

COMMITTENTE:



PROGETTAZIONE:



U.O. GALLERIE

PROGETTO DEFINITIVO

RADDOPPIO DELLA LINEA GENOVA – VENTIMIGLIA
TRATTA FINALE LIGURE - ANDORA

POZZO ACCESSO GASTALDI LATO GENOVA
RELAZIONE GEOTECNICA E DI CALCOLO DELLE OPERE PROVVISORIALI

SCALA:

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1 PREMESSA

La presente relazione è parte integrante del progetto definitivo delle opere in sotterraneo per il raddoppio della linea Genova - Ventimiglia nella tratta Finale Ligure – Andora.

2 SCOPO E CONTENUTI DEL DOCUMENTO

Nella presente relazione si affrontano le problematiche progettuali connesse alla realizzazione delle opere di sostegno provvisoriale necessarie per l'esecuzione del pozzo di accesso Gastaldi previsto per la fermata sotterranea di Alassio, facente parte della linea ferroviaria Genova – Ventimiglia. Per l'inquadramento generale delle opere in sotterraneo si rimanda alla Relazione tecnica (Rif. [1]).

La fermata sotterranea, ubicata in corrispondenza dell'abitato di Alassio, prevede la realizzazione di due pozzi di accesso (uno lato Genova e l'altro lato Ventimiglia):

- Pozzo di accesso Gastaldi (lato Genova), tra la progr. 91+965 e la progr. 92+015 di lunghezza 50,00 m e di larghezza 10,00 m (quota piano ferro -7,55 m);
- Pozzo di accesso Neghelli (lato Ventimiglia) tra la progr. 92+302 e la progr. 92+345 di lunghezza 43,00 m e di larghezza 10,00 m (quota piano ferro -7,55 m).

Scopo del presente documento è la descrizione e verifica delle opere civili e delle modalità di esecuzione delle opere provvisoriale del pozzo di accesso Gastaldi previsto per la fermata di Alassio.

Nel seguito sono quindi illustrate le soluzioni progettuali, le verifiche di dimensionamento delle opere di sostegno del pozzo di accesso Gastaldi e le verifiche di stabilità. Per le verifiche relative alla struttura definitiva del pozzo di accesso si rimanda alla relazione di calcolo dedicata.

La progettazione è stata sviluppata nel rispetto della normativa vigente, DM 17/01/2018 e della Circolare n.7/19.

3 DOCUMENTI DI RIFERIMENTO

Sono stati utilizzati come input per il presente documento i seguenti elaborati:

- Rif. [1] U.O. Gallerie, documento IV0I00D07RHGN0000001B “Relazione tecnica generale delle opere in sotterraneo” datato Gennaio 2022;
- Rif. [2] U.O. Gallerie, documento IV0I00D07SPGN0000001A “Caratteristiche dei materiali-Note Generali e Prescrizioni” datato Gennaio 2022;
- Rif. [3] U.O. Gallerie, documento IV0I00D07F5GN0600002B “Profilo geotecnico-geomeccanico Galleria Alassio 2/2” datato Gennaio 2022;
- Rif. [4] U.O. Geologia, Gestione Terre e Bonifiche - Elaborati Specialistici;

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3.1 Documenti Correlati

I documenti correlati sono documenti la cui lettura è consigliata per allargare la conoscenza dell'ambito nel quale il presente documento si inquadra.

Non esistono documenti correlati.

3.2 Documenti Superati

Non sono presenti documenti superati.

4 ALLEGATI

Il documento è corredato dai seguenti allegati:

- All. [1] Risultati delle analisi di verifica delle opere di sostegno del pozzo di accesso Gastaldi (zona vasca e sezione corrente);
- All. [2] Risultati delle analisi di verifica di stabilità del pozzo di accesso Gastaldi.

5 DOCUMENTI PRODOTTI A SUPPORTO

I contenuti della presente relazione sono utilmente completati e arricchiti dai seguenti elaborati di progetto:

- Rif. [5] U.O. Gallerie, documento IV0I00D07CLPZ0200002A "Relazione di calcolo del pozzo di accesso Gastaldi" datato Gennaio 2022;
- Rif. [6] U.O. Gallerie, documento IV0I00D07PZPZ0200001A "Planimetria e sezioni" datato Dicembre 2021;
- Rif. [7] U.O. Gallerie, documento IV0I00D07PZPZ0200002B "Scavi e consolidamenti-Pianta" datato Gennaio 2022;
- Rif. [8] U.O. Gallerie, documento IV0I00D07WZPZ0200001B "Scavi e consolidamenti-Sezioni" datato Gennaio 2022;
- Rif. [9] U.O. Gallerie, documento IV0I00D07BZPZ0200001B "Sviluppata delle paratie e particolari costruttivi-Fasi provvisorie" datato Gennaio 2022;
- Rif. [10] U.O. Gallerie, documento IV0I00D07BZPZ0200002B "Fasi esecutive" datato Gennaio 2022;
- Rif. [11] U.O. Gallerie, documento IV0I00D07PBPZ0200001A "Carpenterie-piante 1/5" datato Dicembre 2021;
- Rif. [12] U.O. Gallerie, documento IV0I00D07PBPZ0200002A "Carpenterie-piante 2/5" datato Dicembre 2021;
- Rif. [13] U.O. Gallerie, documento IV0I00D07PBPZ0200003A "Carpenterie-piante 3/5" datato Dicembre 2021;
- Rif. [14] U.O. Gallerie, documento IV0I00D07PBPZ0200004A "Carpenterie-piante 4/5" datato Dicembre 2021;
- Rif. [15] U.O. Gallerie, documento IV0I00D07PBPZ0200005B "Carpenterie-piante 5/5" datato Gennaio 2022;

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Rif. [16] U.O. Gallerie, documento IV0I00D07WBPZ0200001B “Carpenterie-sezioni 1/4” datato Gennaio 2022;

Rif. [17] U.O. Gallerie, documento IV0I00D07WBPZ0200004B “Carpenterie-sezioni 4/4” datato Gennaio; 2022

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6 DESCRIZIONE DELL'OPERA

6.1 Il tracciato e le opere in sotterraneo

La fermata sotterranea di Alassio ha una lunghezza complessiva di 400 m (dalla progr. 91+910 alla progr. 92+310) più ulteriori 80 m di marciapiedi di servizio, presenta una copertura massima di circa 50 m e la quota ferro è costante e pari a -7,55 m slm.

La fermata sotterranea, ubicata in corrispondenza dell'abitato di Alassio, prevede la realizzazione di due pozzi di accesso (uno lato Genova e l'altro lato Ventimiglia):

- Pozzo di accesso Gastaldi (lato Genova), tra la progr. 91+965 e la progr. 92+015 di lunghezza 50,00 m e di larghezza 10,00 m (quota piano ferro -7,55 m);
- Pozzo di accesso Neghelli (lato Ventimiglia) tra la progr. 92+302 e la progr. 92+345 di lunghezza 43,00 m e di larghezza 10,00 m (quota piano ferro circa -7,55 m).

I due pozzi di accesso (Gastaldi e Neghelli) sono collegati da una galleria naturale centrale di fermata realizzata con metodo trazionale, di lunghezza pari a 286 m e copertura massima pari a 50 m. La galleria centrale prosegue lato Genova oltre il pozzo Gastaldi per circa 130 m, di questi 75 m in sezione allargata. Le coperture in questo tratto si mantengono pressoché costanti dell'ordine dei 20 m ed è prevista l'ubicazione di n.1 pozzo equilibratore (15 mq), e di un pozzo equilibratore/ventilazione (15 mq) e di un locale per la ventilazione e di 2 locali tecnologici.

Lato Ventimiglia oltre il Pozzo Neghelli è prevista la realizzazione di un locale per la ventilazione avente un'estensione di circa 30m

Lungo il tracciato della galleria centrale di fermata è prevista la realizzazione di n.6 by-pass di collegamento con le due gallerie naturali di linea e di alcuni by-pass e cunicoli di servizio.

Per una dettagliata descrizione del tracciato e delle opere si rimanda alla "Relazione tecnica generale delle opere in sotterraneo" (Rif. [1]).

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7 FASE CONOSCITIVA

Nella fase conoscitiva si acquisiscono gli elementi necessari alla caratterizzazione e modellazione geologica del sito e alla caratterizzazione e modellazione geotecnica del volume significativo interessato dall'opera in sotterraneo. Nel seguito si riporta un breve inquadramento geologico e la sintesi della caratterizzazione e modellazione geotecnica con specifico riferimento al volume significativo delle opere provvisorie del pozzo di accesso.

Per l'inquadramento geologico, le indagini geotecniche e la caratterizzazione e modellazione geotecnica si rimanda all'elaborato "Relazione geotecnica e di calcolo della galleria Alassio e gallerie naturali di fermata" (IV0I00D07CLGN0600002A).

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7.1 Caratteristiche del sito e definizione dell'azione sismica

Le opere in progetto per le opere provvisorie del pozzo di accesso Gastaldi si trovano nel comune di Alassio (SV), in un sito con le seguenti coordinate geografiche: Latitudine 44,0092 , Longitudine 8,165.

Alle strutture di sostegno, trattandosi di opere provvisorie, si attribuisce una vita nominale $V_N = 10$ anni (cfr. § 2.4 del D.M. 17/01/2018) e, per la definizione dell'azione sismica, un periodo di riferimento, $V_R = 35$ anni (cfr. tab. C2.4.I della Circolare 7/19).

Con riferimento alla probabilità di superamento dell'azione sismica, P_{V_R} , attribuita allo stato limite ultimo di salvaguardia della vita (SLV), nel periodo V_R dell'opera in progetto, si determina il periodo di ritorno T_R del sisma di progetto:

$$T_R = - \frac{V_R}{\ln(1 - P_{V_R})}$$

Per la definizione dell'azione sismica di progetto, l'effetto della risposta sismica locale è stato valutato con approccio semplificato (cfr. § 3.2.2 del DM 17/01/2018) basato sulla classificazione del sottosuolo sulla base dei valori della velocità di propagazione delle onde di taglio, poiché le condizioni stratigrafiche e le proprietà dei terreni sono chiaramente riconducibili alle categorie definite nella Tab. 3.3.II del DM 17/01/2018.

Pertanto, tenendo conto dei fattori locali del sito, l'accelerazione orizzontale massima attesa al sito è valutata con la relazione (cfr. cap. 7 DM 17/01/2018):

$$a_{\max} = S_s \cdot S_T \cdot \left(\frac{a_g}{g} \right)$$

dove:

a_g è l'accelerazione orizzontale massima attesa su sito di riferimento rigido;

S_s è il fattore di amplificazione stratigrafica del terreno, funzione della categoria del sottosuolo di fondazione e dei parametri sismici F_0 e a_g/g (Tabella 3.2.IV del D.M. 17/01/2018);

S_T è il fattore di amplificazione che tiene conto delle condizioni topografiche, il cui valore dipende dalla categoria topografica e dall'ubicazione dell'opera (Tabella 3.2.V del D.M. 17/01/2018).

I valori delle grandezze necessarie per la definizione dell'azione sismica per le opere d'imbocco sono riportati nella seguente tabella. Si specifica che, al fine di uniformare le analisi numeriche all'interno dell'intero progetto che hanno medesima geometria e presentano medesima stratigrafia, si adotterà la categoria sismica ed il valore di accelerazione sismica più gravosi per il calcolo esaminato.

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Nella tabella seguente si riportano i parametri geografici e sismici utilizzati per le analisi.

	Pozzo di accesso Gastaldi
	Strutture di sostegno
Coord. geografiche	Lat. 44.0092 Long. 8.165
T_R (anni)	332
a_g/g	0.115
F_0	2.438
Categoria sottosuolo	E
S_S	1.60
Categoria topografica	T1
S_T	1.00
a_{max}/g	0.184

Tabella 1 – Parametri per la definizione dell'azione sismica di progetto.

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8 SOLUZIONI PROGETTUALI

8.1 Opere di sostegno

Il pozzo di accesso Gastaldi è caratterizzato dal punto di vista stratigrafico da depositi detritici e dalle Peliti di Moglio.

Tale pozzo, risulta quindi essere realizzato generalmente all'interno dello strato superficiale detritico e alluvionale, (denominato Unità 3), e dal substrato compatto profondo delle Peliti di Moglio (di seguito denominate MGL).

La falda è presente mediamente a circa 1,5 m dal piano di realizzazione delle opere di sostegno.

Lo strato superficiale detritico e alluvionale, di spessore variabile, sarà interessato dagli scavi di sbancamento necessari a raggiungere la quota di lavoro di progetto prevista per l'esecuzione delle opere di sostegno provvisoriale; tali scavi avranno generalmente pendenze 2 (orizzontale) : 1 (verticale), in funzione delle diverse altezze di scavo previste.

Le opere di sostegno provvisoriale degli scavi sono costituite da una berlinese di micropali di diametro foro ϕ 240 mm, armati con tubi in acciaio S355H di diametro ϕ 193,7 mm e spessore 20 mm, posti ad interasse 40 cm.

I micropali sono contrastati su quattro ordini da travi di ripartizione orizzontali costituite da profili HEB 450 in acciaio S275 e in testa da una trave di ripartizione in calcestruzzo armato di dimensioni 0,7x0,7 m.

La paratia è contrastata con tre ordini di puntoni in acciaio S275H di diametro ϕ 298,5 mm e spessore 20 mm, posti ad interasse 5 m; l'altezza massima di scavo è pari a circa 28 m. I puntoni hanno lunghezza compresa tra 5 m e 10 m.

La paratia principale si sviluppa secondo una configurazione rettangolare per complessivi 124 m circa. La paratia lungo i due lati corti si sviluppa per 10,50 m circa, mentre sui rimanenti due lati lunghi si estende per un tratto di 51,2 m.

Inoltre la paratia principale si sviluppa anche con una configurazione a L in adiacenza al lato ovest del pozzo per 22 m circa.

Lo sbancamento dovrà essere realizzato per ribassi successivi, seguiti dall'installazione dei puntoni, fino a quota di fondo scavo della paratia.

Si prevede inoltre la realizzazione di un'opera di sostegno a protezione degli scavi in direzione est-ovest a partire dal lato ovest del pozzo per uno sviluppo in pianta di 43+26 m circa; essa è costituita da una berlinese di micropali

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di diametro foro ϕ 240 mm, armati con tubi in acciaio S355H di diametro 193,7 mm e spessore 20 mm, posti ad interasse 40 cm di lunghezza massima 9 m, con altezza massima di scavo pari a circa 3 m.

Le strutture di sostegno sono ricoperte da uno strato di betoncino proiettato armato di 10 cm con rete elettrosaldata, attraversata da perforazioni in cui sono inseriti tubi drenanti per lo scarico delle acque di filtrazione.

La geometria degli scavi, i dettagli sugli elementi che costituiscono le paratie e le caratteristiche dei materiali, sono riportati, in planimetria, profilo e alcune sezioni rappresentative, negli elaborati specifici di progetto.

Le macro-fasi esecutive previste per la realizzazione del pozzo di accesso Gastaldi, sono le seguenti:

- 1) Preparazione area di cantiere, e scavo di ribasso fino a quota esecuzione micropali;
- 2) Esecuzione paratia berlinese di micropali ed esecuzione della trave di testata in c.a.;
- 3) Scavo di sbancamento del terreno fino a 0,50 m dalla quota di progetto del primo ordine di puntoni, immediata realizzazione di spritz-beton armato con rete elettrosaldata a protezione dello scavo e posa in opera del primo ordine di puntoni;
- 4) Scavo di sbancamento del terreno fino a 0,50 m dalla quota di progetto del secondo ordine di puntoni, immediata realizzazione di spritz-beton armato con rete elettrosaldata a protezione dello scavo e posa in opera del secondo ordine di puntoni;
- 5) Scavo di sbancamento del terreno fino a 0,50 m dalla quota di progetto del terzo ordine di puntoni, immediata realizzazione di spritz-beton armato con rete elettrosaldata a protezione dello scavo e posa in opera del terzo ordine di puntoni;
- 6) Scavo di sbancamento del terreno fino a 0,50 m dalla quota di progetto del quarto ordine di puntoni, immediata realizzazione di spritz-beton armato con rete elettrosaldata a protezione dello scavo e posa in opera del quarto ordine di puntoni;
- 7) Scavo di sbancamento del terreno fino a quota di fondo scavo, immediata realizzazione di spritz-beton armato con rete elettrosaldata a protezione dello scavo, realizzazione della soletta di fondo in c.a., realizzazione e del primo tratto di galleria di fermata da fondo scavo, scavo e realizzazione della galleria di fermata e by-pass di fermata;
- 8) Getto del rivestimento definitivo della galleria di fermata e realizzazione delle strutture interne della stazione con rimozione dei puntoni provvisori.

Si evidenzia che le fasi esecutive sopradescritte dovranno essere realizzate secondo la seguente sequenza:

- MACROFASE 1 - Realizzazione delle opere provvisionali e definitive del corpo principale del Pozzo di accesso;

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- MACROFASE 2 - Realizzazione delle restanti opere provvisoriale ed esecuzione degli scavi e delle opere definitive prospicienti il lato ovest del corpo principale;
- MACROFASE 3 – Realizzazione degli sbancamenti previsti sull’ultimo in direzione ovest del pozzo di accesso e successivamente delle opere definitive.

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9 CARATTERISTICHE DEI MATERIALI STRUTTURALI

Si riportano di seguito le principali caratteristiche dei diversi materiali impiegati nelle opere in progetto, con l'indicazione dei valori di resistenza e deformabilità adottati nelle verifiche, nel rispetto delle indicazioni del DM 14/01/2018.

Strutture di sostegno provvisionali

Calcestruzzo	
Classe di resistenza	C25/30
Resistenza di progetto a compressione a 28 giorni	$f_{cd} = 0.85 f_{ck}/1.5 = 14.16 \text{ MPa}$
Modulo elastico a 28 giorni	$E_{cm} = 22000(f_{cm}/10)^{0.3} = 31476 \text{ MPa}$

Acciaio per tubi e profilati	
Tipo	S 355 JR / S 275 JR
Tensione di snervamento caratteristica	$f_{yk} \geq 355 / 275 \text{ MPa}$
Tensione di rottura caratteristica	$f_{tk} \geq 510 / 430 \text{ MPa}$
Tensione di snervamento di calcolo	$f_{yd} = f_{yk}/1.05 = 338 / 262 \text{ MPa}$

Acciaio per barre di armatura	
Tipo	B 450 C
Resistenza di progetto	$f_{yd} = f_{yk}/\gamma_s = 450/1.15 = 391.3 \text{ MPa}$

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10 CRITERI DI VERIFICA DELLE OPERE

Le verifiche sono state condotte in accordo con le prescrizioni e le indicazioni del DM 17/01/2018 e della Circolare n.7/19.

10.1 Opere di sostegno

10.1.1 Azioni

Le azioni considerate per la verifica delle strutture di sostegno dell'imbocco sono le seguenti:

- **azioni permanenti:** peso proprio degli elementi strutturali, spinta del terreno a monte e a valle dell'opera, carico fittizio simulante l'inclinazione del pendio a monte dell'opera opportunamente discretizzato in modo da simulare fedelmente il reale andamento del profilo topografico del pendio.
- **azioni variabili:** carico variabile sul piano campagna a monte della struttura di sostegno, Q_{IM} , atto a schematizzare nella fase costruttiva l'eventuale presenza di sovraccarichi di varia natura connessi alla realizzazione delle opere.
- **azione sismica:** l'accelerazione orizzontale massima attesa al suolo è definita nel paragrafo 8.4.

10.1.2 Approcci progettuali e metodi di verifica

Le verifiche delle strutture di sostegno sono state condotte nei riguardi dei seguenti stati limite ultimi (SLU):

- collasso del complesso opera-terreno;
- instabilità globale dell'insieme terreno-opera;
- sfilamento di uno o più ancoraggi;
- raggiungimento della resistenza in uno o più ancoraggi,
- raggiungimento della resistenza degli elementi strutturali.

Per le strutture di sostegno flessibili si adotta l'Approccio Progettuale 1 con le due combinazioni di coefficienti parziali (tabelle 6.2.I, 6.2.II e 6.5.I del DM 17/01/2018):

- combinazione 1: $A1 + M1 + R1$
- combinazione 2: $A2 + M2 + R1$.

Il dimensionamento geotecnico dell'opera è stato condotto con la verifica di stati limite ultimi GEO, applicando la Combinazione 2 ($A2+M2+R1$). Per le verifiche di stati limite ultimi STR l'analisi è stata condotta con la combinazione 1 ($A1+M1+R1$), applicando i coefficienti parziali $A1$ ($\gamma = 1,3$) all'effetto delle azioni. A tale scopo,

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nelle analisi, i valori caratteristici dei carichi variabili sfavorevoli sono stati amplificati di un coefficiente pari a $1,5/1,3 = 1,15$.

Al fine di rispettare le richieste della Normativa in merito al modello geometrico di riferimento (§6.5.2.2 DM 17/01/2018) nel caso di opere in cui la funzione di sostegno è affidata alla resistenza del volume di terreno a valle dell'opera, la quota di valle è diminuita della quantità prevista, per opere vincolate:

$$\Delta h = \min (0.5; 10\% \Delta t)$$

in cui Δt è la differenza di quota tra il livello inferiore di vincolo e il fondo scavo.

Il corretto dimensionamento nei confronti degli SLU assicura che gli spostamenti dell'opera siano compatibili con le esigenze di funzionalità della stessa; pertanto, trattandosi di opere provvisoriale, in assenza di fabbricati o altre opere da salvaguardare a ridosso delle stesse, non si ritengono necessarie ulteriori valutazioni di verifica nei confronti degli SLE.

Per le verifiche di stabilità globale è stato applicato l'Approccio 1- Combinazione 2 (A2+M2+R2 – tab. 6.2.I, 6.2.II e 6.8.I del DM 17/01/2018).

Le verifiche in condizioni sismiche sono state condotte con riferimento allo stato limite ultimo di salvaguardia della vita (SLV), con riferimento alla configurazione finale dell'opera di sostegno. Per le verifiche in condizioni sismiche i coefficienti parziali sulle azioni e sui parametri geotecnici sono pari all'unità. Si adotta il metodo pseudostatico, calcolando il coefficiente sismico orizzontale secondo le prescrizioni della normativa (DM 17/01/2018):

$$k_h = \alpha \cdot \beta \cdot \left(\frac{a_{max}}{g} \right)$$

dove:

- a_{max} è l'accelerazione orizzontale massima attesa al sito,
- α è il coefficiente di deformabilità (Figura 7.11.2 del DM 17/01/2018);
- β è il coefficiente di spostamento (Figura 7.11.3 del DM 17/01/2018).

Per la definizione dell'azione sismica si rimanda al paragrafo 7.4. L'effetto del sisma sulle strutture di sostegno è ottenuto applicando un incremento di spinta (cfr § 7.11.6.3.1 del D.M. 17/01/2018 e § C7.11.6.3 della Circolare 7/19) del terreno valutato secondo la teoria di Mononobe-Okabe, agente direttamente sulla paratia secondo una distribuzione uniforme sull'intera altezza dell'opera.

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$$\Delta S_E = \left[\frac{1}{2} \gamma \cdot H^2 \cdot (K_{aE} - K_a) \right] / H,$$

dove: γ rappresenta il peso dell'unità di volume della formazione con la quale l'opera interagisce, H rappresenta l'altezza totale dell'opera (comprensiva del tratto infisso), K_{aE} e K_a rappresentano i coefficienti di spinta attiva in condizioni sismiche e statiche rispettivamente.

Per la valutazione della spinta passiva si assume $\alpha=1$ (§7.11.6.3 del DM 17/01/2018). Il coefficiente sismico verticale, k_v , si assume pari a 0 (§7.11.6.3 del DM 17/01/2018).

I coefficienti di spinta attiva sono determinati attraverso la relazione di Mononobe (1929) e Okabe (1926). I coefficienti di spinta passiva sono determinati attraverso la relazione di Lancellotta (2007). L'angolo di attrito terreno/struttura, δ , si assume pari a 2/3 della resistenza al taglio del terreno naturale.

Le verifiche sono state condotte mediante l'ausilio del codice di calcolo PARATIE (versione 14 plus).

Le verifiche di stabilità globale sono state condotte con il codice di calcolo SLOPE/W (versione 2007).

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11 VERIFICA DELLE OPERE DEL POZZO DI ACCESSO

11.1 Opere di sostegno

Sono state verificate le seguenti sezioni:

sez. 1: paratia berlinese (zona vasca)

sez. 2: paratia berlinese (sezione corrente)

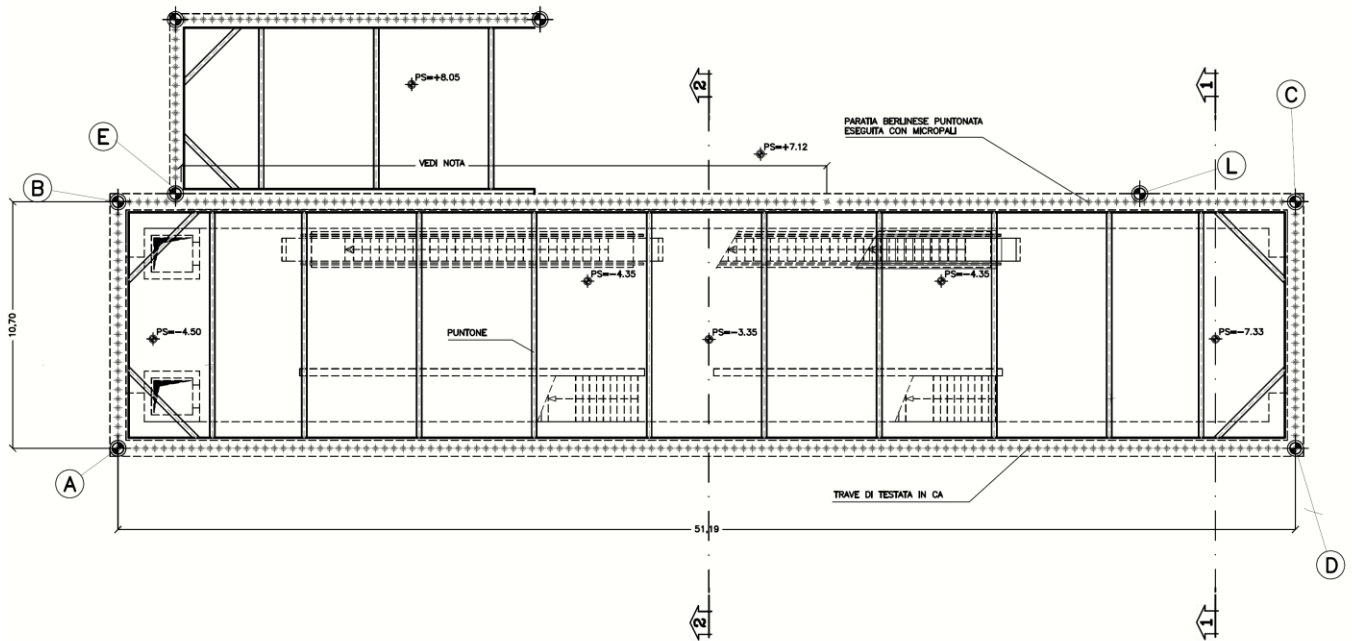


Figura 1 – Planimetria con indicazione delle sezioni di calcolo

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11.1.1 Sezione 1 – zona vasca

Sono di seguito descritte le principali caratteristiche della struttura e del modello geotecnico per le analisi di verifica.

11.1.1.1 Geometria e parametri geotecnici del modello

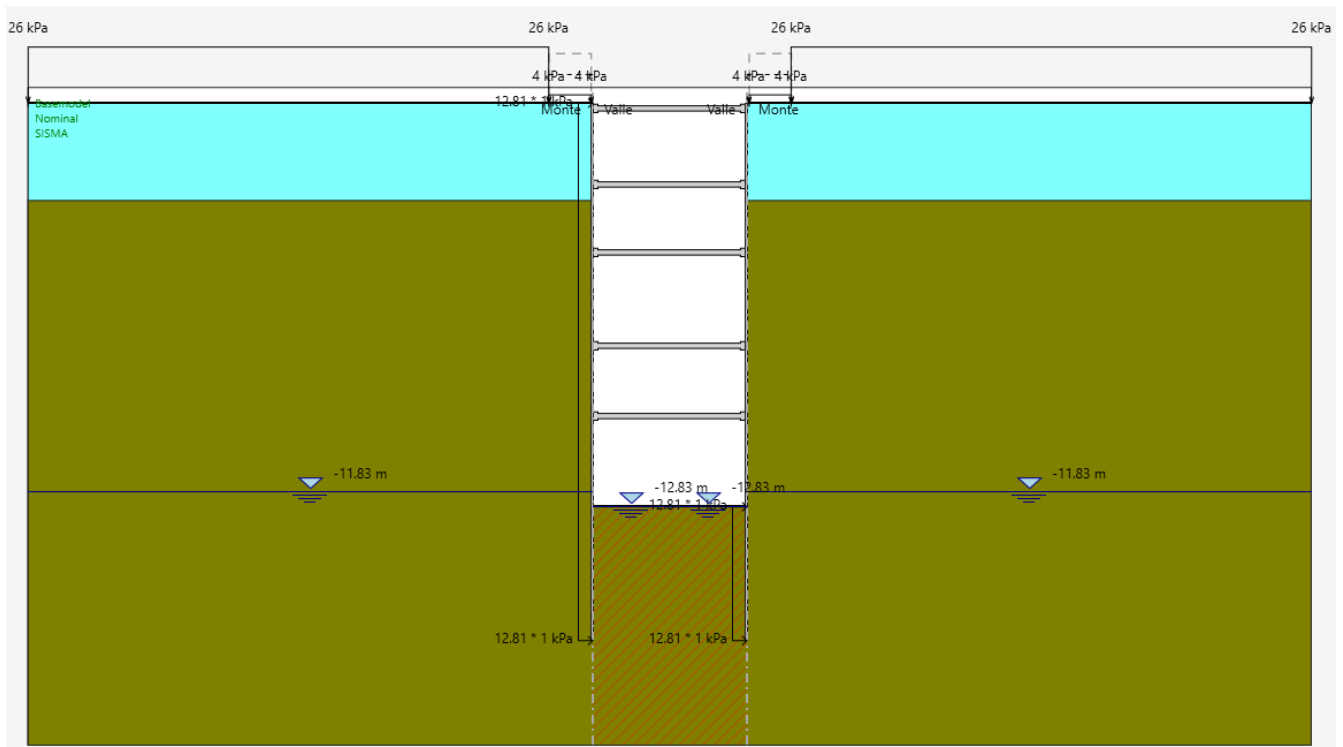


Figura 2 - Sezione 1 - Modello di calcolo: geometria, stratigrafia e carichi applicati

Nella **Figura 2** si riporta la geometria della sezione a scavo ultimato, con cinque livelli di vincolo e il complesso di carichi considerati agenti a tergo dell'opera di sostegno (**Tabella 1**).

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Tabella 1 - Sezione 1 - Caratteristiche geometriche della sezione di calcolo

Tipologia struttura di sostegno	Micropali $\varnothing 240$ mm ad interasse 0.4 m, cls C25/30 Travi di ripartizione coppia di HEB 550 in acciaio S275 JR Puntoni $\varnothing 298.5$ mm ad interasse 5 m
Altezza totale paratia	$H_{tot} = 38$ m
Altezza libera paratia	$H = 28$ m
Ordini di puntoni (n°)	5
Passo orizzontale puntoni	5 m
Passo verticale dei puntoni	5.4 m tra il I ed il II ordine, 4.8 m tra il II ed il III ordine, 6.6 m tra il III ed il IV ordine, 5 m tra il IV ed il V ordine
Inclinazione del piano campagna a monte	Inferiore a 10° (categoria topografica T1)
Inclinazione del piano campagna a valle	0°
Sovraccarichi permanenti a monte	26 kPa dovuti alla presenza del terreno
Sovraccarichi permanenti a valle	-
Sovraccarichi variabili a monte	$q = 20$ kPa per presenza di mezzi di cantiere
Sovraccarichi variabili a valle	-

Tabella 2 - Sezione 1 - Parametri geotecnici

Terreno	Gruppo coeff. parziali	Cond.	γ (kN/m ³)	c_k (kPa)	φ'_k ($^\circ$)	δ ($^\circ$)	E' (MPa)	E'_{ur} (MPa)	K_o (-)	K_a (-)	K_p (-)	
UNITA' 3 (Depositi Alluvionali)	M1	SLU	20	14	24	16	65	104	0.593	0.361	3.222	
		SLV								0.386	2.233	
	M2	SLU		11.2	19.6	13.07				0.664	0.433	2.529
		SLV									0.462	1.880
MGL (Peliti di		SLU	26	344	48	32	3456	3456	0.257	0.120	20.298	

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Moglio)	M1	SLV								0.134	6.553
	M2	SLU								0.165	10.979
		SLV	275.2	41.6	27.75			0.336		0.182	4.758

γ = peso dell'unità di volume
 c'_k = coesione efficace (valore caratteristico)
 φ'_k = angolo di resistenza al taglio (valore caratteristico)
 δ = angolo d'attrito struttura/terreno
 E' = modulo di Young
 E'_{ur} = modulo di Young (scarico/ricarico)
 k_o = coefficiente di spinta a riposo
 K_a = coefficiente di spinta attiva
 K_p = coefficiente di resistenza passiva

Tabella 3 - Sezione 1 - Parametri per il calcolo dell'azione sismica

Terreno	Condizione	Categoria sottosuolo	Categoria topografica	a_g/g	S	a_{max}/g	α	u_s	β	k_h
		(-)	(-)	(-)	(-)	(-)	(-)	(m)	(-)	(-)
UNITA' 3 (Depositi Alluvionali)	SLV	E	T1	0.115	1.6	0.184	0.30	0.190	0.43	0.037
MGL (Peliti di Moglio)	SLV	E	T1	0.115	1.6	0.184	0.30	0.190	0.43	0.037

α = coefficiente di deformabilità (Figura 7.11.2 del DM 17/01/2018)
 u_s = spostamento ammissibile
 β = coefficiente di spostamento (Figura 7.11.3 del DM 17/01/2018)
 k_h = coefficiente sismico

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11.1.1.2 Fasi di calcolo

L'analisi è articolata nelle seguenti fasi:

- a. Condizione geostatica e carico permanente del versante lato monte
- b. Esecuzione della paratia di pali
- c. Primo step di scavo
- d. Inserimento del primo ordine di puntoni
- e. Successivi step di scavo con inserimento dei vari ordini di puntoni, fino al quinto ordine
- f. Scavo fino alla quota assoluta -12.83 m s.l.m. (fondo scavo).
- h. Applicazione dell'azione sismica

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11.1.1.3 Risultati delle analisi e verifiche

9) Verifica del complesso opera-terreno

La verifica è finalizzata a garantire il corretto dimensionamento dell'opera con particolare riferimento alla profondità di infissione della paratia, sia in condizioni statiche (SLU) che sismiche (SLV). A tale scopo, nei prospetti che seguono, sono riportati gli output in termini di deformata dell'opera e percentuale di spinta mobilitata.

Sia per lo stato limite statico sia per lo stato limite di salvaguardia della vita l'opera di sostegno presenta uno spostamento massimo posizionato in testa alla paratia. La profondità di infissione dell'opera di sostegno garantisce uno spostamento limitato al piede. La percentuale di spinta mobilitata (rapporto tra la spinta effettiva agente e quella massima possibile) è sempre inferiore all'unità.

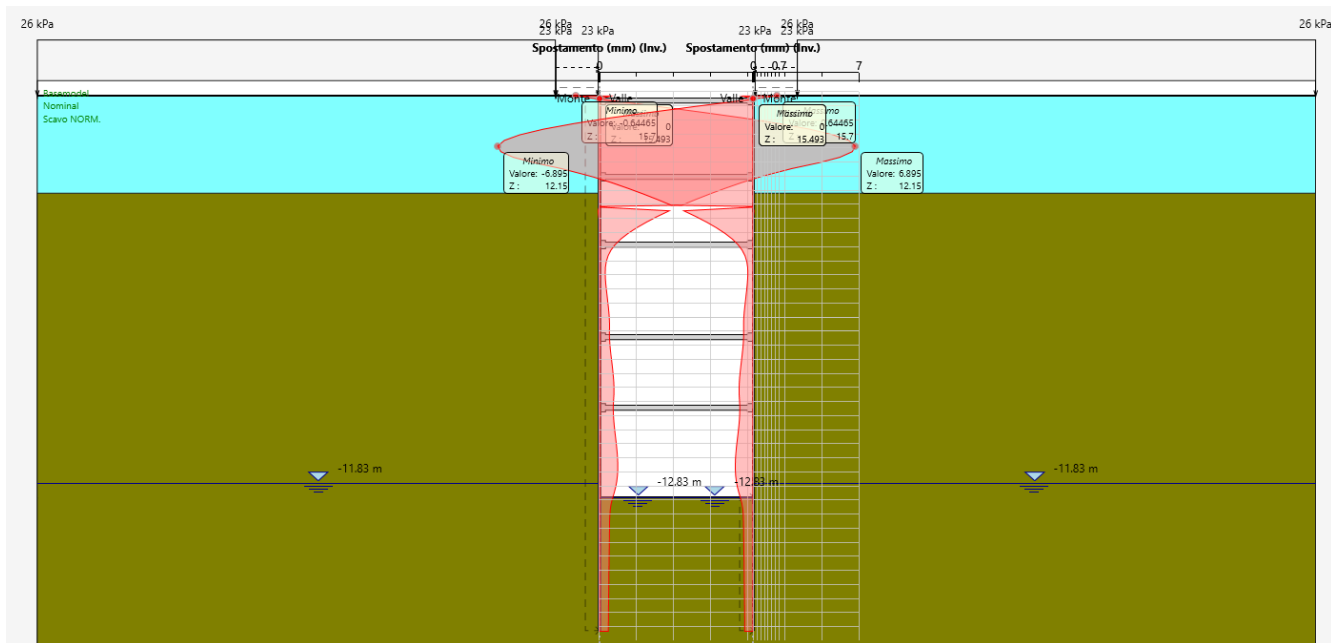


Figura 3 - Sezione 1 - Involuppo della deformata dell'opera (SLU) nei vari step di calcolo

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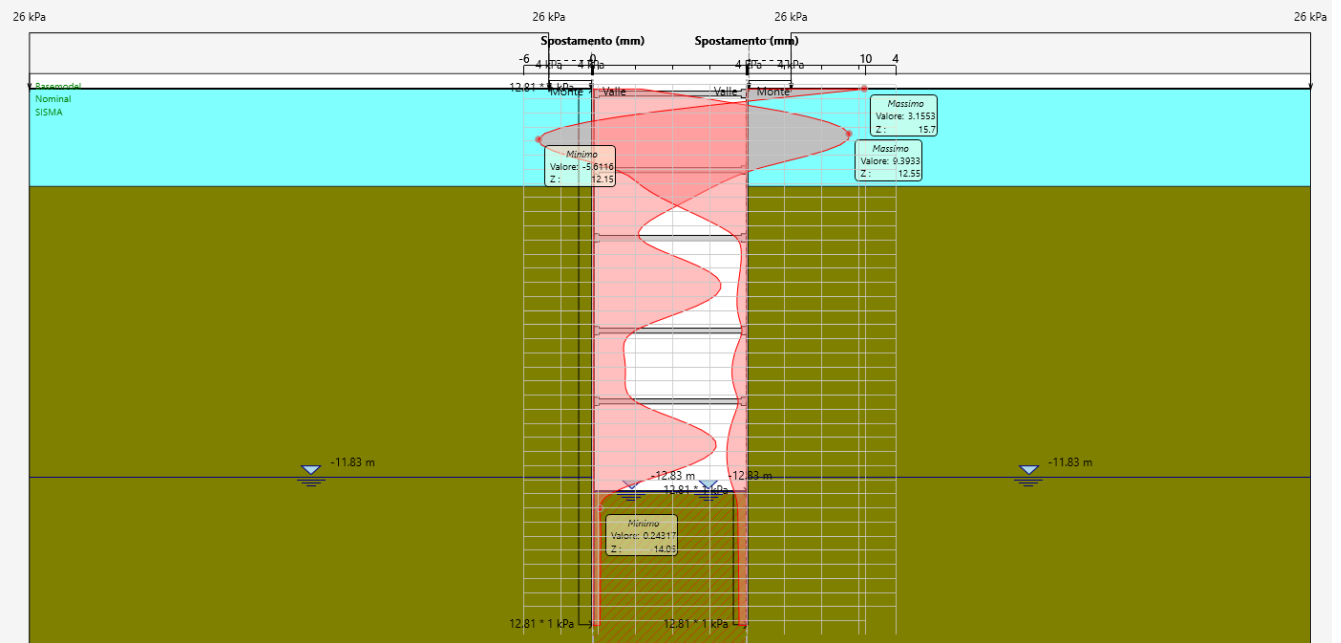


Figura 4 - Sezione 1 - Deformata dell'opera (SLV)

10) Verifica collasso complesso opera-terreno

Per la verifica di collasso del complesso opera-terreno è stato definito un modello di calcolo all'interno del quale sono state imposte delle proprietà geomeccaniche dei terreni ridotte con i coefficienti parziali M2. Nel modello sono state imposte le stesse fasi esecutive riportate precedentemente.

La convergenza di tale calcolo indica che la lunghezza assunta per i pali è sufficiente affinché non si inneschi un movimento di rotazione intorno al piede del palo stesso.

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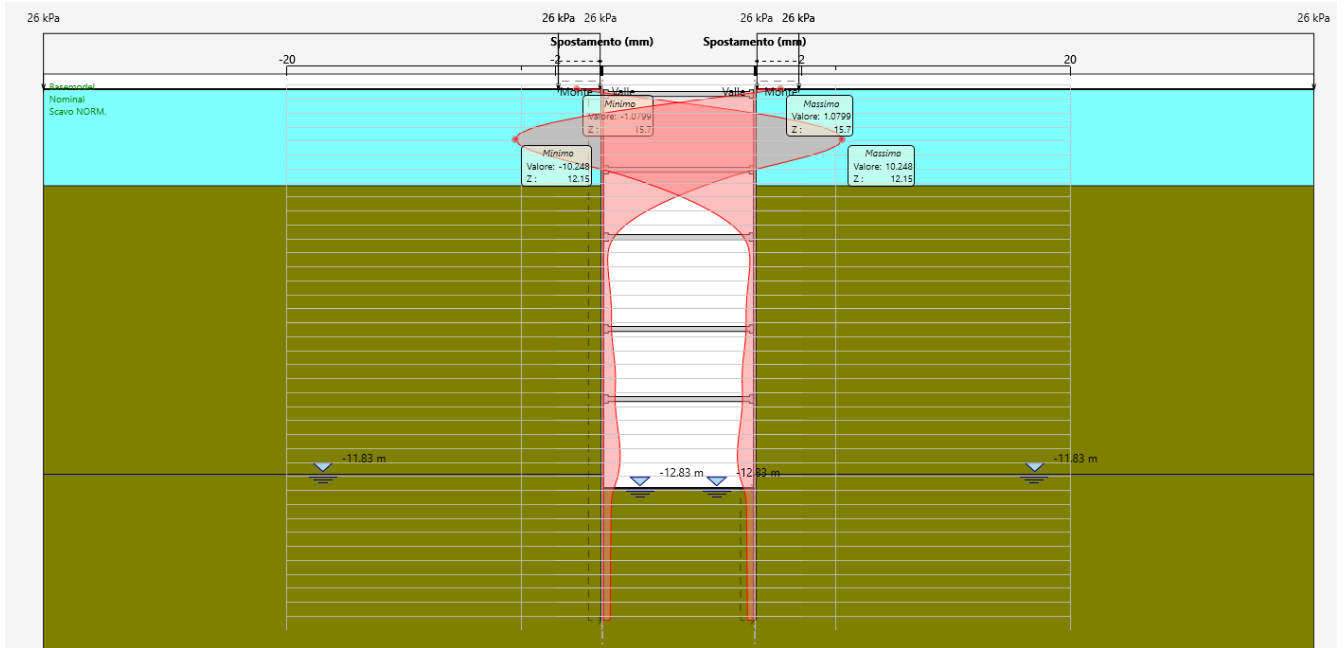
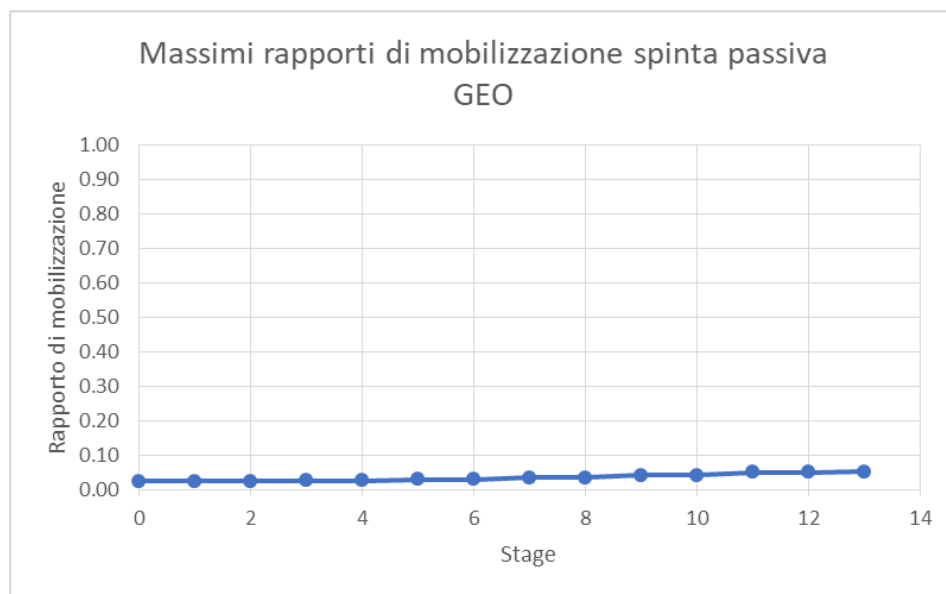


Figura 5 - Sezione 1 - Involuppo della deformata dell'opera (SLU GEO) nei vari step di calcolo

La spinta reale efficace è di circa 1287.7 kN/m mentre la massima spinta ammissibile è di circa 25231 kN/m. La percentuale di mobilitazione della spinta passiva è del 5%.



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 11) Verifica dei puntoni di contrasto in acciaio

Nei prospetti che seguono, per ciascun ordine di puntoni, sono riportate le principali caratteristiche geometriche e strutturali e gli involuppi dell'azione assiale in combinazione statica e sismica.

Caratteristiche dei puntoni
Tabella 4 - Sezione 1 - Caratteristiche geometriche dei tiranti

Ordine puntoni	interasse	Quota da testa paratia	L_{totale}
[-]	[m]	[m]	[m]
1	5	0.35	10.94
2	5	5.75	10.94
3	5	10.55	10.94
4	5	17.15	10.94
5	5	22.15	10.94

Geometria dell'opera
Tabella 5 - Sezione 1 - Caratteristiche meccaniche dei tiranti

Altezza totale della paratia	$H_{paratia}$	38	m
Spessore della paratia (Φ perforazione)	$S_{paratia}$	0.24	m
Altezza massima di scavo	H_{scavo}	28.33	m
Altezza di infissione della paratia	$H_{infissione}$	9.67	m
Profondità della falda da testa paratia	Z_{falda}	2	m

Caratteristiche dei materiali (puntoni)

N° ordini di puntoni	n° puntoni	5	-
Tipologia puntoni	temporanei		
Coefficiente parziale per resistenza	γ_R	1	-
Area del puntone	$A_{puntone}$	175.2	cm ²
Diametro del puntone	$\phi_{puntone}$	298.9	mm
Tensione caratteristica di rottura dell'acciaio S275	f_{tk}	430	N/mm ²
Tensione caratteristica di snervamento dell'acciaio S275	f_{yk}	275	N/mm ²
Tensione di calcolo acciaio	f_{yd}	262	N/mm ²

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Verifica dell'instabilità a carico di punta

Per quanto concerne le verifiche strutturali dei puntoni metallici di contrasto, lo sforzo massimo di calcolo proveniente dall'analisi viene confrontato per ciascun ordine di puntoni con la tensione limite per i profilati tubolari in acciaio.

Sono previste la verifica a compressione e la verifica di stabilità come indicato nel D.M.17/01/2018.

La forza di compressione di calcolo N_{Ed} deve rispettare la seguente condizione:

$$\frac{N_{Ed}}{N_{c,Rd}} \leq 1$$

dove la resistenza di calcolo a compressione della sezione $N_{c,Rd}$ vale:

$$N_{c,Rd} = \frac{A \cdot f_{yk}}{\gamma_{M0}} \text{ per le sezioni di classe 1, 2 e 3}$$

in cui:

A : è l'area della sezione trasversale del puntone metallico di contrasto

f_{yk} : è la tensione caratteristica di snervamento

γ_{M0} : coefficiente di sicurezza per la resistenza delle membrature

Classificazione della sezione

d : diametro della sezione tubolare pari a 298.5 mm

t : spessore della sezione pari a 20 mm

f_{yk} : pari a 275 MPa

$$\frac{d}{t} = 14.92 \leq 50\epsilon^2 = 42.7$$

dove:

$$\epsilon = \sqrt{\frac{235}{f_{yk}}} = 0.92$$

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La sezione risulta pertanto classificata come tipo 1.

La verifica di stabilità dei puntoni si effettua nell'ipotesi che la sezione trasversale sia uniformemente compressa. Deve risultare:

$$\frac{N_{Ed}}{N_{b,Rd}} \leq 1$$

dove:

N_{Ed} : è l'azione di compressione di calcolo

$N_{b,Rd}$: è la resistenza all'instabilità nell'asta compressa, pari a

$$N_{b,Rd} = \frac{\chi \cdot A \cdot f_{yk}}{\gamma_{M1}} \text{ per le sezioni di classe 1, 2 e 3}$$

I coefficienti χ dipendono dal tipo di sezione e dal tipo di acciaio impiegato: essi si ricavano, in funzione di appropriati valori della snellezza adimensionale $\bar{\lambda}$, dalla seguente formula:

$$\chi = \frac{1}{\Phi + \sqrt{\Phi^2 - \bar{\lambda}^2}} \leq 1.0$$

dove:

$$\Phi = 0.5 \cdot \left[1 + \alpha \cdot (\bar{\lambda} - 0.2) + \bar{\lambda}^2 \right]$$

α : fattore di imperfezione pari a 0.21 (DM 2018 – Tabella 4.2.VIII)

$\bar{\lambda}$: snellezza adimensionale pari a:

$$\bar{\lambda} = \sqrt{\frac{A \cdot f_{yk}}{N_{cr}}} \text{ per le sezioni di classe 1, 2 e 3}$$

N_{cr} : carico critico elastico (basato sulle proprietà della sezione e sulla lunghezza di libera inflessione l_0 dell'asta)
pari a:

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$$N_{cr} = \left(\frac{\pi}{\lambda} \right)^2 \cdot E \cdot A$$

E : modulo elastico dell'acciaio pari a 210000 MPa

λ : snellezza della sezione pari a:

$$\lambda = \frac{l_0}{\rho_{min}} = \frac{\beta \cdot l}{\left(\sqrt{J_{min}/A} \right)}$$

β : coefficiente in funzione del tipo di vincolo dell'asta

l : lunghezza dell'asta

J_{min} : momento di inerzia minore dell'asta

La norma limita il valore della snellezza λ al valore di 200 per le membrature principali.

Nel nostro caso si ha:

$$\beta = 1$$

$$l = 10.94 \text{ m}$$

$$J_{min} = 1.71 \cdot 10^{-4} \text{ m}^4$$

$$A = 1.75 \cdot 10^{-2} \text{ m}^2$$

$$\lambda = 108$$

$$N_{cr} = 3028 \text{ kN}$$

$$\bar{\lambda} = 1.26$$

$$\Phi = 1.41$$

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$$\chi = 0.49 < 1$$

$$\gamma_{M1} = 1.05$$

Nelle tabelle che seguono sono riassunti i risultati delle verifiche.

Analisi	Ordine	Quota (m)	Passo max (m)	Sezione ϕ (m ²)	N_{Ed} (kN/m)	N_{Ed} (kN)	$N_{C,Rd}$ (kN)	$N_{B,Rd}$ (kN)
SLU	1	15.35	5	$1.75 \cdot 10^{-2}$	22.92	149	4588.74	1833.54
	2	9.95	5	$1.75 \cdot 10^{-2}$	93.06	605	4588.74	1833.54
	3	5.15	5	$1.75 \cdot 10^{-2}$	5.04	33	4588.74	1833.54
	4	-1.45	5	$1.75 \cdot 10^{-2}$	2.75	18	4588.74	1833.54
	5	-6.45	5	$1.75 \cdot 10^{-2}$	3.10	20	4588.74	1833.54
SLV	1	15.35	5	$1.75 \cdot 10^{-2}$	42.6	213	4588.74	1833.54
	2	9.95	5	$1.75 \cdot 10^{-2}$	139.1	696	4588.74	1833.54
	3	5.15	5	$1.75 \cdot 10^{-2}$	79.90	399	4588.74	1833.54
	4	-1.45	5	$1.75 \cdot 10^{-2}$	74.66	373	4588.74	1833.54
	5	-6.45	5	$1.75 \cdot 10^{-2}$	73.91	370	4588.74	1833.54

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12) Verifica stabilità globale del complesso opera di sostegno – terreno

Le verifiche di stabilità globale non sono state eseguite per il caso in esame dal momento che un siffatto meccanismo di rottura come quello individuato da Morgenstein & Price non risulta verosimile per le caratteristiche geometriche dell'opera.

 ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE	RADDOPPIO LINEA GENOVA - VENTIMIGLIA TRATTA FINALE LIGURE - ANDORA					
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13) Verifica stabilità locale delle scarpate

Le verifiche di stabilità locale sono state condotte con il metodo dell'equilibrio limite mediante il software Slope/W (Geostudio 2007).

Il calcolo è stato condotto analizzando superfici di scorrimento secondo la formulazione di Morgenstern & Price.

L'analisi viene effettuata con parametri abbattuti secondo i coefficienti di normativa M2 in condizioni statiche, mentre in condizioni sismiche si utilizzano i coefficienti M1.

Il valore di profondità della falda viene dedotto dalle letture piezometriche disponibili, in questo caso si valuta un'altezza della falda di 2 m da p.c..

Le azioni sismiche pseudo-statiche sono state sintetizzate nella seguente tabella:

Tabella 6 - Pozzo Gastaldi sez. 4 - Parametri sismici

SUOLO	TOPOGRAFIA	PARAMETRI SISMICI						
		a_g	S_s	S_T	$a_{g,max}$	β	k_h	k_v
E	T1	(g)	(-)	(-)	(-)	(-)	(-)	(-)
		0.115	1.6	1.0	0.184	0.38	0.070	0.035

I risultati delle analisi, espressi in termini di rapporto tra R_d ed E_d , sono riportati nella tabella seguente:

Tabella 7 – Pozzo Gastaldi sez. 4 - Sintesi dei risultati delle analisi di stabilità locale

<i>Combinazione</i>	<i>R_d / E_d</i>
"SLU" - locale	21.46
"SLV" – locale verso l'alto	22.68
"SLV" – locale verso il basso	21.66

Nelle figure seguenti sono rappresentate le superfici di scorrimento critiche cui corrisponde il minor grado di sovraresistenza.

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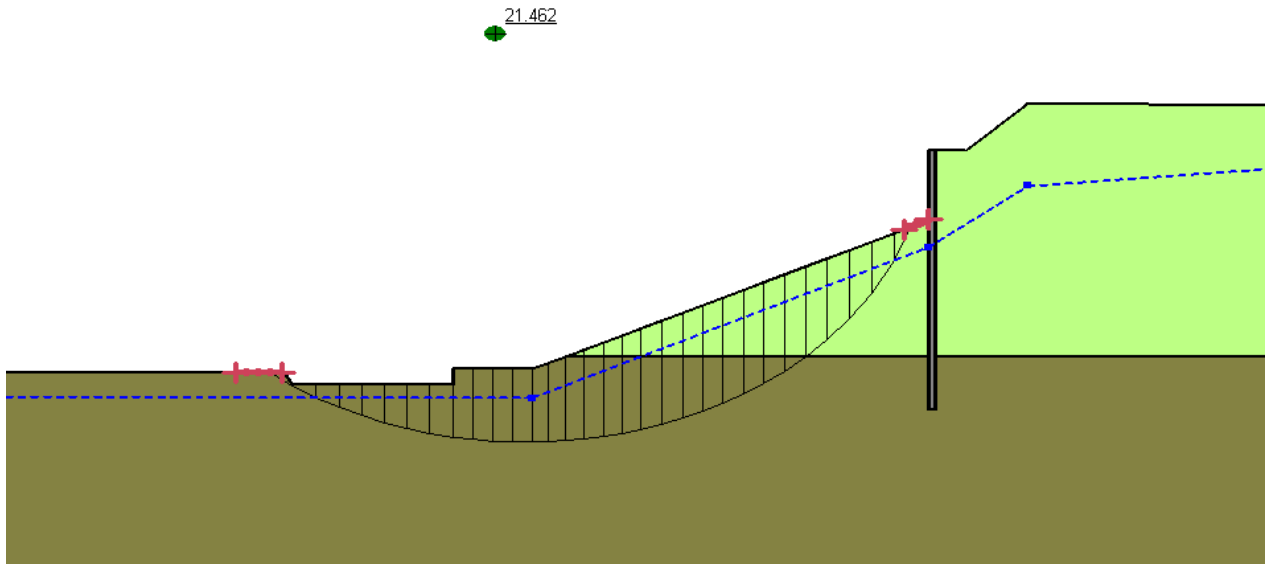


Figura 6 – Pozzo Gastaldi sez. 4 - Superficie di scorrimento critica - Condizioni statiche globali

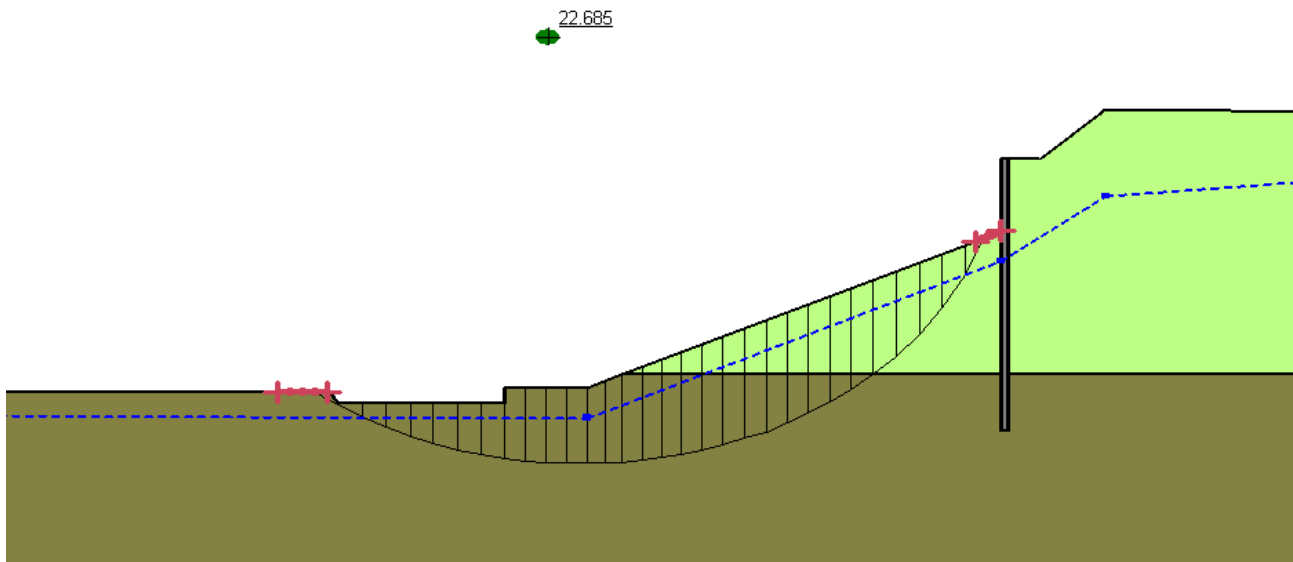


Figura 7 - Pozzo Gastaldi sez. 4 - Superficie di scorrimento critica - Condizioni sismiche globali con sisma verso l'alto

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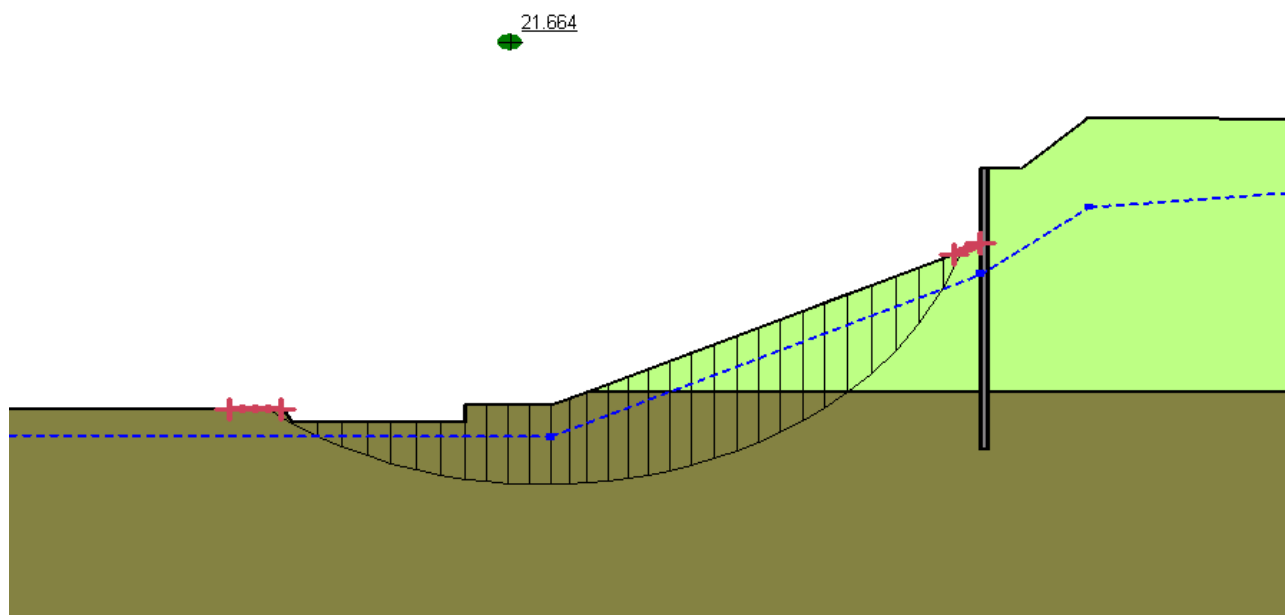


Figura 8 - Pozzo Gastaldi sez. 4 - Superficie di scorrimento critica - Condizioni sismiche globali con sisma verso il basso

I coefficienti di sicurezza soddisfano le condizioni di sicurezza, non si rendono necessari interventi di stabilizzazione.

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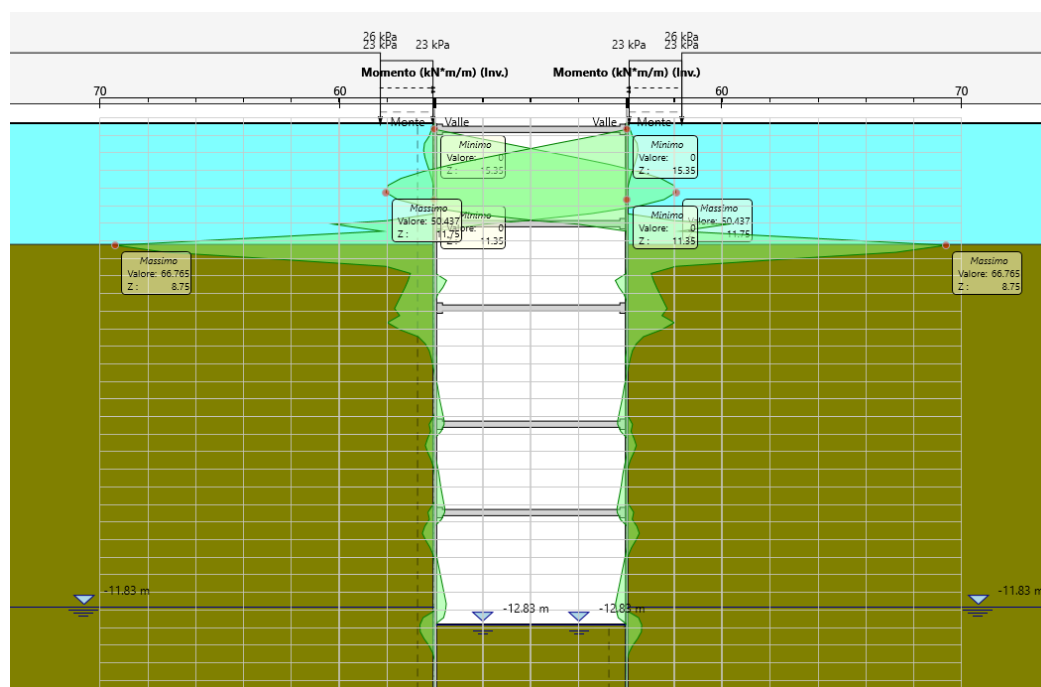
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 14) Verifica resistenza strutturale dei micropali della paratia

Nei prospetti che seguono, per le combinazioni STR statica e sismica, si riportano gli andamenti delle caratteristiche della sollecitazione sulla paratia di pali per tutte le fasi di calcolo ed i valori delle sollecitazioni massime, utilizzate per le verifiche strutturali.

Tabella 8 - Sezione 1 - Sollecitazioni SLU e SLV

Condizione [-]	Fase di calcolo [-]	Soll. Max. [-]	Quota [m]	M_{sd} [kNm/m]	T_{sd} [kN/m]	N_{sd} [kN/palo]
SLU (STR)	INVILUPPO	MOMENTO	8.75	66.77	26	6
SLU (STR)	INVILUPPO	TAGLIO	9.15	38.88	69.72	5.6
SLV	SISMA	MOMENTO	12.55	54.44	2.31	2.7
SLV	SISMA	TAGLIO	10.15	26.12	77.17	4.8


Figura 9 - Sezione 1 - Inviluppo momento flettente statico agente nei micropali (SLU)

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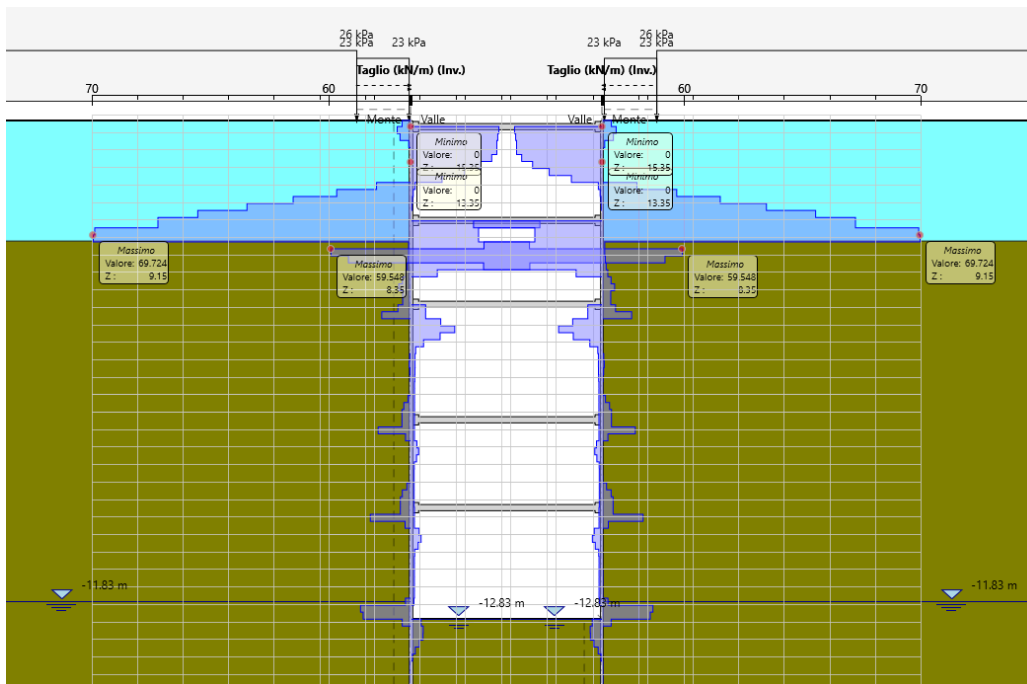


Figura 10 - Sezione 1 - Involuppo taglio statico agente nei micropali (SLU)

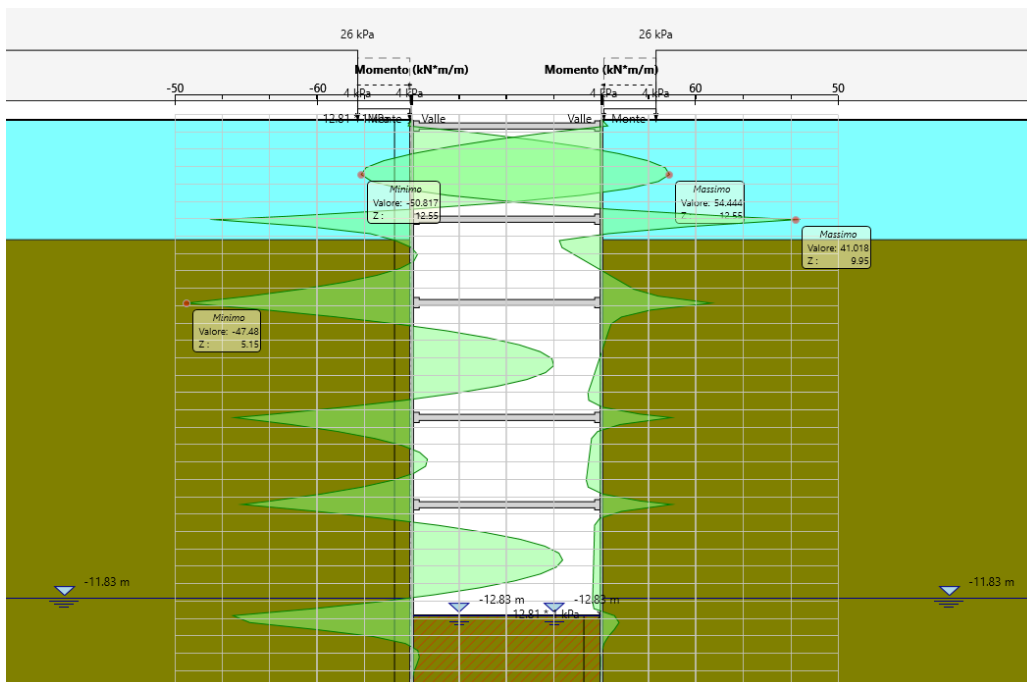
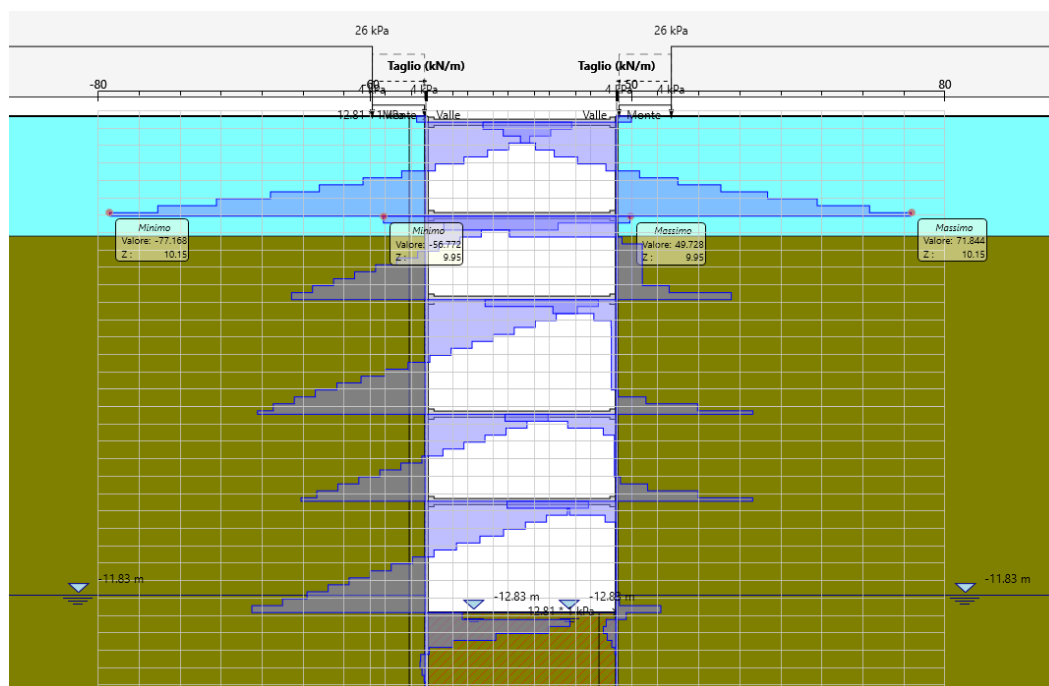


Figura 11 - Sezione 1 - Momento flettente pseudostatico agente nei micropali (SLV)

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Figura 12 - Sezione 1 - Taglio pseudostatico agente nei micropali (SLV)

Le sollecitazioni più gravose sono quelle derivanti dall'analisi sismica. I valori di taglio e momento flettente esposti nella tabella precedente devono essere moltiplicati per l'interasse tra i pali così da ottenere la sollecitazione agente sul singolo palo.

Tabella 9 - Sezione 1 - Materiali strutturali e geometria di verifica

Tipo acciaio					Tubo					
Tipo	f_{yk}	$\gamma_{acciaio}$	γ_{M0}	f_{yd}	$[\varnothing]$	t	W_{el}	W_{pl}	A	A_v
acciaio	[MPa]	[KN/m ³]	[-]	[MPa]	[mm]	[mm]	[cm ³]	[cm ³]	[cm ²]	[cm ²]
S355	355	78.5	1.05	338	193.7	20	431	547	109.1	69.5

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Tabella 10 - Sezione 1 - Verifica combinazione Mmax

CASO	Azioni sollecitanti							Azioni resistenti flessione			
	M_{sk} [kNm]	V_{sk} [kNm]	N_{sk} [kN]	γ_A [-]	M_{sd} [kNm]	V_{sd} [kN]	N_{sd} [kN]	$M_{el\ rd}$ [kNm]	$M_{pl\ rd}$ [kNm]	M_{rd} [kNm]	$V_{pl\ rd}$ [kN]
STATICO	26.7	27.9	5.6	1.3	34.7	36.3	7.3	145.6	184.9	184.9	1356.2
SISMICO	21.8	30.9	4.8	1.0	21.8	30.9	4.8	145.6	184.9	184.9	1356.2

CASO	Azioni resistenti presso/tenso flessione			
	$N_{pl\ rd}$ [kN]	n [-]	a [-]	$M_{Ny\ rd}$ [kNm]
STATICO	3688.1	0.0020	0.5	184.9
SISMICO	3688.1	0.0013	0.5	184.9

Verifiche	
M_{rd} / M_{sd} [-]	V_{rd} / V_{sd} [-]
5.33 > 1	37.41 > 1
8.49 > 1	43.94 > 1

Le verifiche strutturali sono pertanto tutte soddisfatte.

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 15) Verifica resistenza strutturale delle travi di ripartizione

Le caratteristiche della sollecitazione sono determinate modellando gli elementi strutturali oggetto di verifica alla stregua di travi continue su più appoggi; la luce delle campate è data dall'interasse dei tiranti ed il carico, uniformemente distribuito, è determinato ripartendo le reazioni offerte dagli ancoraggi, ottenute dal modello di calcolo dell'opera di sostegno. Definito $N_{s,d}$ il massimo tiro di calcolo corrispondente all' i -esimo ordine di tiranti, il suddetto carico è così calcolato: $q_{s,d} = N_{s,d}/l$ (con l interasse tiranti).

Secondo tale modello le massime azioni di calcolo sull'elemento strutturale saranno:

$$M_{s,d} = \frac{1}{10} q_{s,d} l^2$$

$$T_{s,d} = 0.5 q_{s,d} l$$

Le travi di ripartizione costituite da profili metallici accoppiati HEB 550.

La tensione resistente di calcolo dell'acciaio è ottenuta mediante riduzione della tensione resistente caratteristica, f_{yk} attraverso il coefficiente parziale $\gamma_{M0} = 1.05$: $f_{yd} = 261.90$ MPa.

Nella tabella seguente è riportata la verifica strutturale delle travi di ripartizione calcolata per il massimo valore della reazione dei tiranti ottenuto dal modello di calcolo.

Tabella 11: Sezione 1: Verifica strutturale delle travi di ripartizione

STR STATICA													
Puntoni	Passo	T Paratie	Tipo	n°	b	t _{flangia}	t _{web}	r	h _{web}	W _{el}	W _{pl}	A	Av
ordine	[m]	[kN/m]			[cm]	[cm]	[cm]	[cm]	[cm]	[cm ³]	[cm ³]	[cm ²]	[cm ²]
1	5	22.92	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
2	5	93.06	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
3	5	5.04	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
4	5	2.75	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
5	5	3.10	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1

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M_{sk}	V_{sk}	γ_A	M_{sd}	V_{sd}	$M_{el\ rd}$	$M_{pl\ rd}$	M_{rd}	$V_{pl\ rd}$	M_{rd} / M_{sd}	V_{rd} / V_{sd}
[kNm]	[kNm]	[-]	[kNm]	[kN]	[kNm]	[kNm]	[kNm]	[kN]	[-]	[-]
57.3	57.3	1.3	74.5	74.5	1301.9	1464.3	1464.3	1513.8	19.7	20.3
232.6	232.6	1.3	302.4	302.4	1301.9	1464.3	1464.3	1513.8	4.8	5.0
12.6	12.6	1.3	16.4	16.4	1301.9	1464.3	1464.3	1513.8	89.4	92.4
6.9	6.9	1.3	8.9	8.9	1301.9	1464.3	1464.3	1513.8	164.1	169.6
7.8	7.8	1.3	10.1	10.1	1301.9	1464.3	1464.3	1513.8	145.3	150.2

STR SISMICA

Puntoni	Passo	T Paratie	Tipo	n°	b	t _{flangia}	t _{web}	r	h _{web}	W _{el}	W _{pl}	A	Av
ordine	[m]	[kN/m]			[cm]	[cm]	[cm]	[cm]	[cm]	[cm ³]	[cm ³]	[cm ²]	[cm ²]
1	5	42.6	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
2	5	139.1	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
3	5	79.9	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
4	5	74.7	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
5	5	73.9	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1

M_{sk}	V_{sk}	γ_A	M_{sd}	V_{sd}	$M_{el\ rd}$	$M_{pl\ rd}$	M_{rd}	$V_{pl\ rd}$	M_{rd} / M_{sd}	V_{rd} / V_{sd}
[kNm]	[kNm]	[-]	[kNm]	[kN]	[kNm]	[kNm]	[kNm]	[kN]	[-]	[-]
106.5	106.5	1.0	106.5	106.5	1301.9	1464.3	1464.3	1513.8	13.8	14.2
347.8	347.8	1.0	347.8	347.8	1301.9	1464.3	1464.3	1513.8	4.2	4.4
199.7	199.7	1.0	199.7	199.7	1301.9	1464.3	1464.3	1513.8	7.3	7.6

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186.6	186.6	1.0	186.6	186.6	1301.9	1464.3	1464.3	1513.8	7.8	8.1
184.8	184.8	1.0	184.8	184.8	1301.9	1464.3	1464.3	1513.8	7.9	8.2

I risultati evidenziano, in tutti i casi, buoni margini rispetto alle condizioni limite.

Riguardo alle altre verifiche GEO ed HYD:

- La verifica per collasso per carico limite verticale non si rende necessaria poiché in testa la paratia non presenta carichi e lo sforzo calcolato e riportato è dato da peso proprio e risulta avere valori bassi.
- La verifica di instabilità del fondo scavo in terreni a grana fine e condizioni non drenate non si rende necessaria essendo in presenza di terreni a grana grossa drenanti e permeabili.
- Le verifiche di instabilità del fondo scavo per sollevamento e sifonamento del fondo scavo non si rende necessaria poiché non sussiste un ΔH di falda, tale da creare condizioni di squilibrio e idrodinamiche.

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11.1.2 Sezione 2 – corrente

Sono di seguito descritte le principali caratteristiche della struttura e del modello geotecnico per le analisi di verifica.

11.1.2.1 Geometria e parametri geotecnici del modello

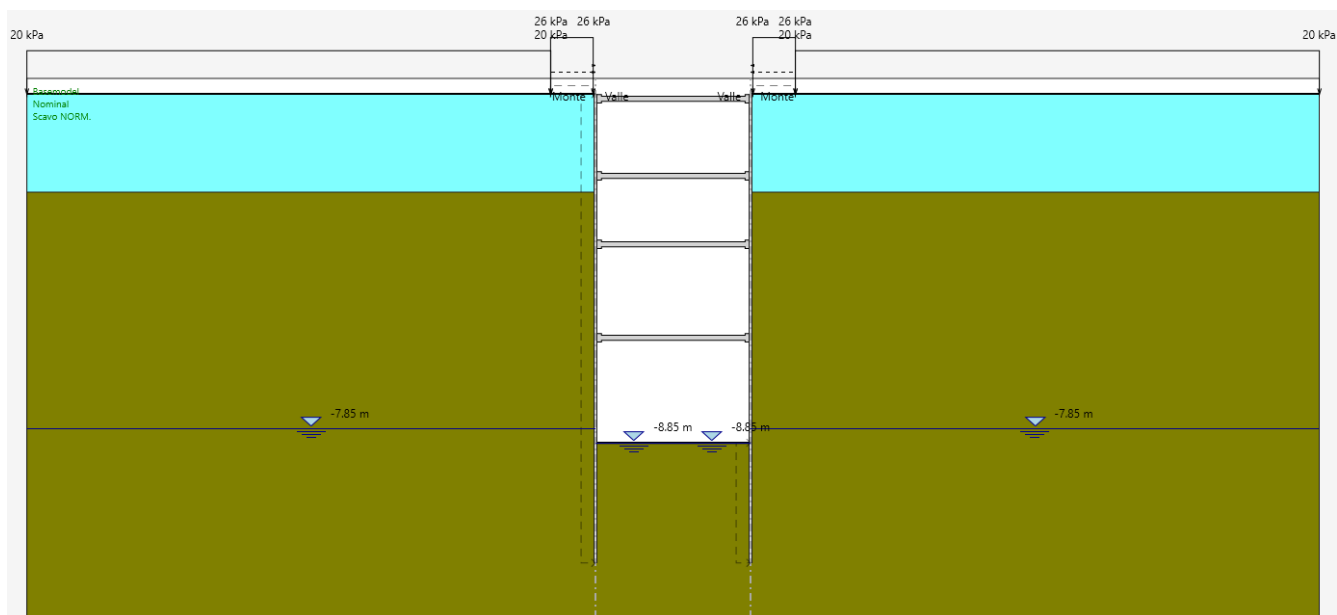


Figura 13 - Sezione 2 - Modello di calcolo: geometria, stratigrafia e carichi applicati

Nella Figura 13 si riporta la geometria della sezione a scavo ultimato, con cinque livelli di vincolo e il complesso di carichi considerati agenti a tergo dell'opera di sostegno (Tabella 12).

Tabella 12 - Sezione 2 - Caratteristiche geometriche della sezione di calcolo

Tipologia struttura di sostegno	Micropali $\phi 240$ mm ad interasse 0.4 m, cls C25/30 Travi di ripartizione coppia di HEB 550 in acciaio S275 JR Puntoni $\phi 298.5$ mm ad interasse 5 m
Altezza totale paratia	$H_{tot} = 33$ m
Altezza libera paratia	$H = 24.05$ m

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Altezza di scavo di calcolo (DM 2018 §6.5.2.2)	$H1 = H + \min [0,5; 10\% (24.05 - 17.15)] = 24.85 \text{ m}$
Ordini di puntoni (n°)	4
Passo orizzontale puntoni	5 m
Passo verticale dei puntoni	5.4 m tra il I ed il II ordine, 4.8 m tra il II ed il III ordine, 6.6 m tra il III ed il IV ordine
Inclinazione del piano campagna a monte	Inferiore a 10° (categoria topografica T1)
Inclinazione del piano campagna a valle	0°
Sovraccarichi permanenti a monte	20 kPa dovuti alla presenza del terreno
Sovraccarichi permanenti a valle	-
Sovraccarichi variabili a monte	q = 20 kPa per presenza di mezzi di cantiere
Sovraccarichi variabili a valle	-

Tabella 13 - Sezione 2 - Parametri geotecnici

Terreno	Gruppo o coeff. parziali	Cond.	γ (kN/m ³)	c_k (kPa)	φ'_k (°)	δ (°)	E' (MPa)	E'_{ur} (MPa)	K_o (-)	K_a (-)	K_p (-)
UNITA' 3 (Depositi Alluvionali)	M1	SLU	20	14	24	16	65	104	0.593	0.361	3.222
		SLV								0.386	2.226
	M2	SLU		11.2	19.6	13.07			0.664	0.433	2.529
		SLV								0.462	1.874
MGL (Peliti di Moglio)	M1	SLU	26	344	48	32	3456	3456	0.257	0.120	20.298
		SLV								0.134	6.541
	M2	SLU		275.2	41.6	27.75			0.336	0.165	10.979
		SLV								0.182	4.748

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γ = peso dell'unità di volume
 c'_k = coesione efficace (valore caratteristico)
 φ'_k = angolo di resistenza al taglio (valore caratteristico)
 δ = angolo d'attrito struttura/terreno
 E' = modulo di Young
 E'_{ur} = modulo di Young (scarico/ricarico)
 k_0 = coefficiente di spinta a riposo
 K_a = coefficiente di spinta attiva
 K_p = coefficiente di resistenza passiva

Tabella 14 - Sezione 2 - Parametri per il calcolo dell'azione sismica

Terreno	Condizione	Categoria sottosuolo	Categoria topografica	a_g/g	S	a_{max}/g	α	u_s	β	k_h
		(-)	(-)	(-)	(-)	(-)	(-)	(m)	(-)	(-)
UNITA' 3 (Depositi Alluvionali)	SLV	E	T1	0.115	1.6	0.184	0.30	0.165	0.45	0.037
MGL (Peliti di Moglio)	SLV	E	T1	0.115	1.6	0.184	0.30	0.165	0.45	0.037

α = coefficiente di deformabilità (Figura 7.11.2 del DM 17/01/2018)
 u_s = spostamento ammissibile
 β = coefficiente di spostamento (Figura 7.11.3 del DM 17/01/2018)
 k_h = coefficiente sismico

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11.1.2.2 Fasi di calcolo

L'analisi è articolata nelle seguenti fasi:

- a. Condizione geostatica e carico permanente del versante lato monte
- b. Esecuzione della paratia di pali
- c. Primo step di scavo
- d. Inserimento del primo ordine di puntoni
- e. Successivi step di scavo con inserimento dei vari ordini di puntoni, fino al quarto ordine
- f. Scavo fino alla quota assoluta -8.35 m s.l.m. (fondo scavo).
- g. Scavo ulteriore, secondo prescrizione di norma, fino alla quota assoluta -8.85 m s.l.m.
- h. Applicazione dell'azione sismica

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11.1.2.3 Risultati delle analisi e verifiche

1) Verifica del complesso opera-terreno

La verifica è finalizzata a garantire il corretto dimensionamento dell'opera con particolare riferimento alla profondità di infissione della paratia, sia in condizioni statiche (SLU) che sismiche (SLV). A tale scopo, nei prospetti che seguono, sono riportati gli output in termini di deformata dell'opera e percentuale di spinta mobilitata.

Sia per lo stato limite statico sia per lo stato limite di salvaguardia della vita l'opera di sostegno presenta uno spostamento massimo posizionato in corrispondenza tra il primo ed il secondo ordine di puntoni. La profondità di infissione dell'opera di sostegno garantisce uno spostamento limitato al piede. La percentuale di spinta mobilitata (rapporto tra la spinta effettiva agente e quella massima possibile) è sempre inferiore all'unità.

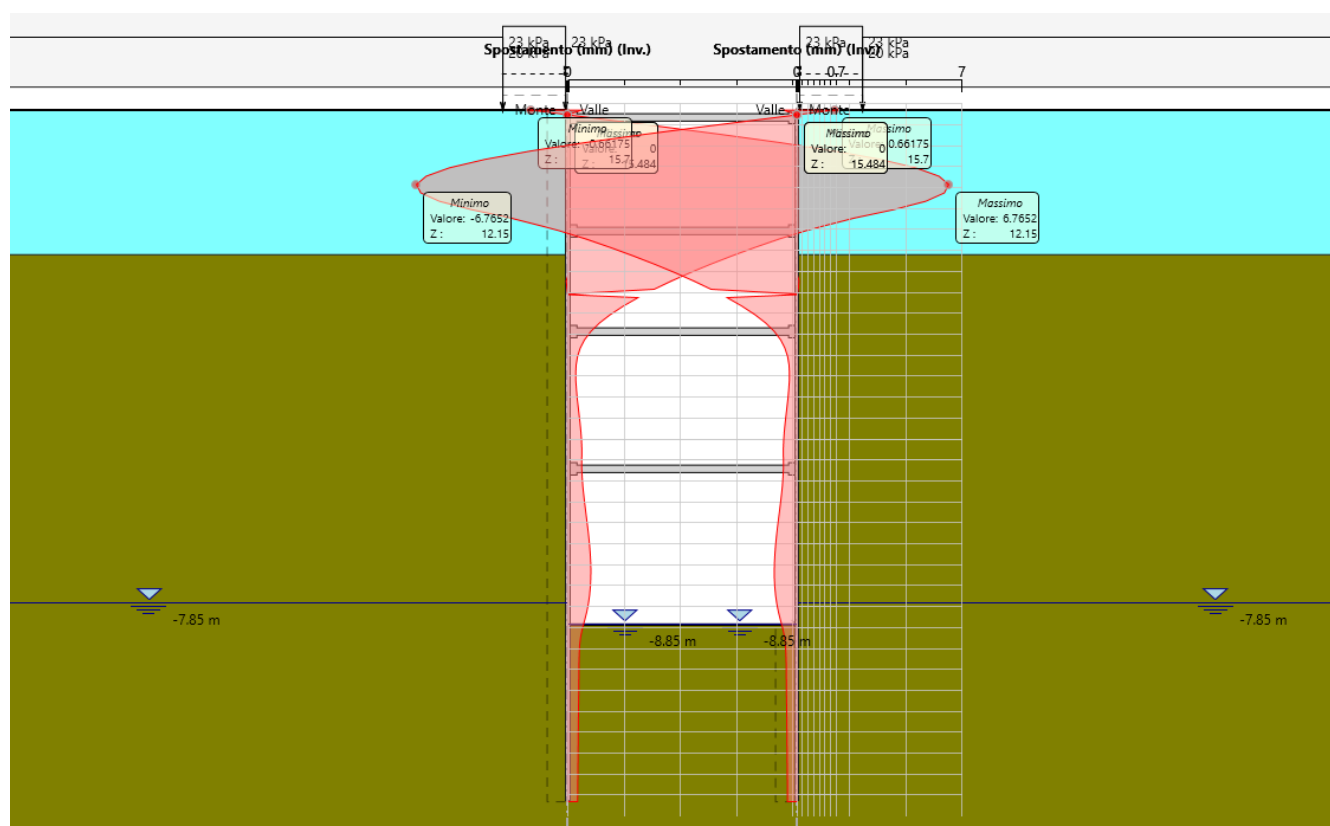


Figura 14 - Sezione 2 - Involuppo della deformata dell'opera (SLU) nei vari step di calcolo

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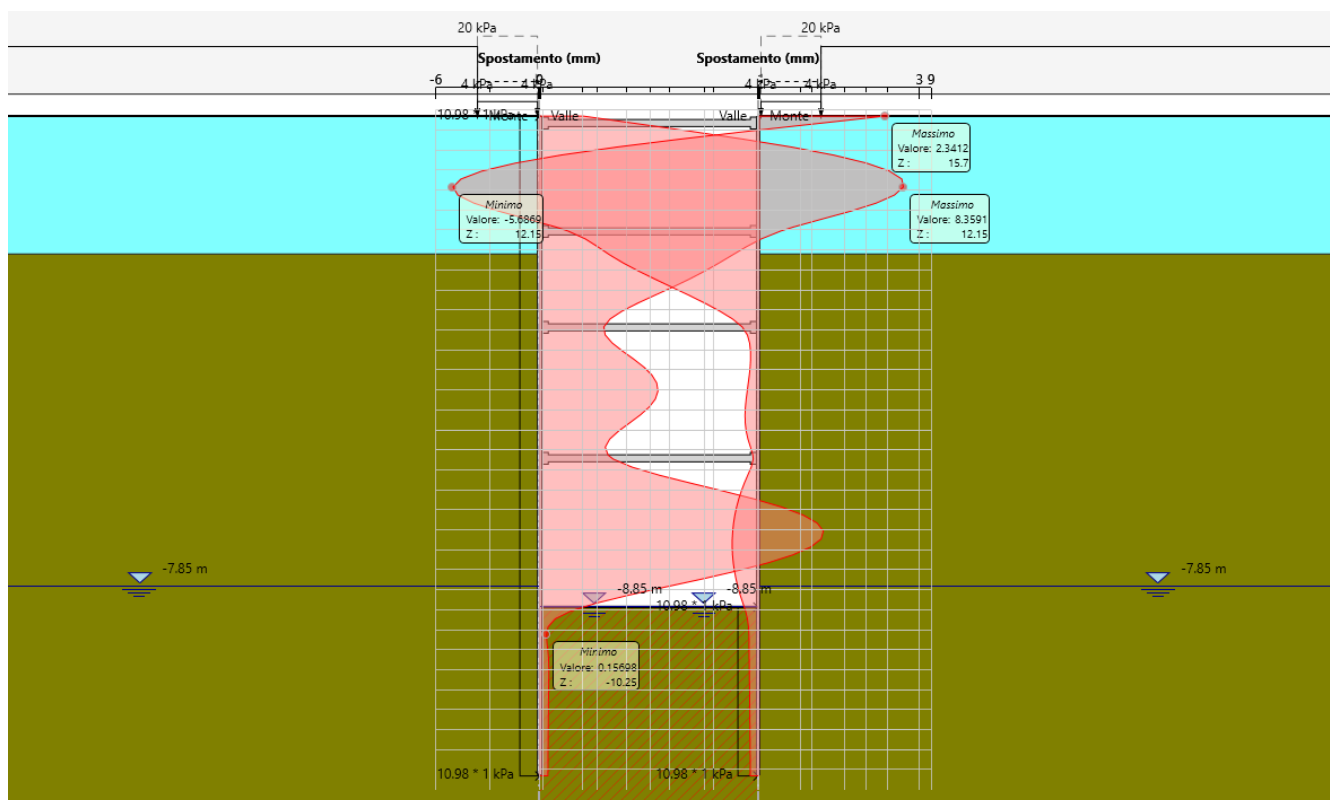


Figura 15 - Sezione 2 - Deformata dell'opera (SLV)

2) Verifica collasso complesso opera-terreno

Per la verifica di collasso del complesso opera-terreno è stato definito un modello di calcolo all'interno del quale sono state imposte delle proprietà geomeccaniche dei terreni ridotte con i coefficienti parziali M2. Nel modello sono state imposte le stesse fasi esecutive riportate precedentemente.

La convergenza di tale calcolo indica che la lunghezza assunta per i pali è sufficiente affinché non si inneschi un movimento di rotazione intorno al piede del palo stesso.

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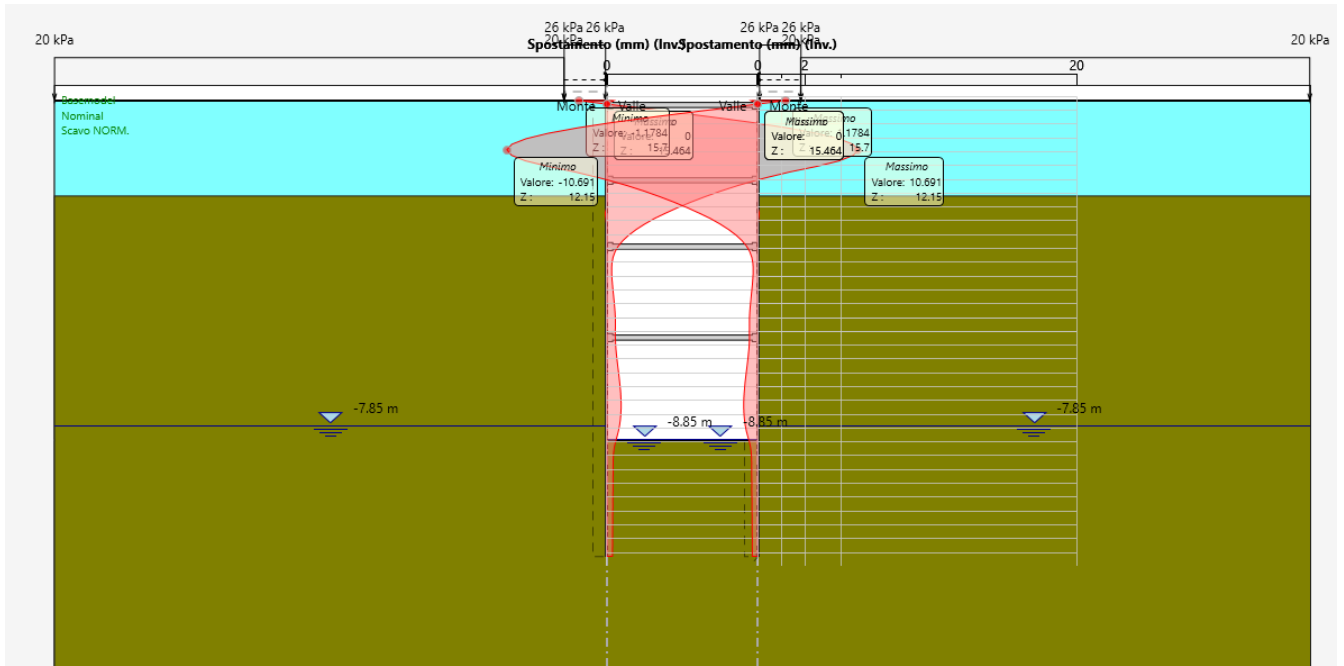
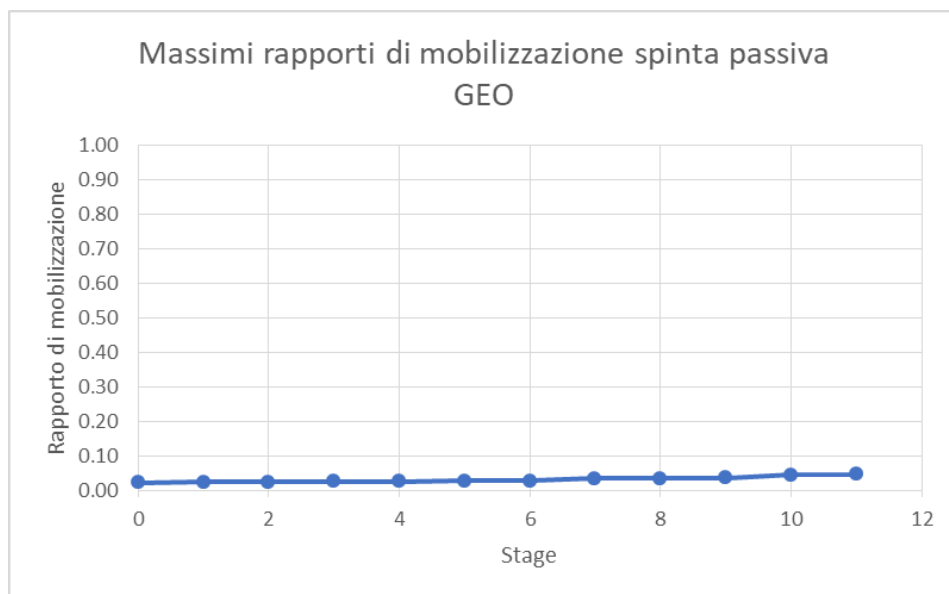


Figura 16 - Sezione 2 - Inviluppo della deformata dell'opera (SLU GEO) nei vari step di calcolo

La spinta reale efficace è di circa 920.27 kN/m mentre la massima spinta ammissibile è di circa 21468 kN/m. La percentuale di mobilitazione della spinta passiva è del 4.6%.



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 3) Verifica dei puntoni di contrasto in acciaio

Nei prospetti che seguono, per ciascun ordine di puntoni, sono riportate le principali caratteristiche geometriche e strutturali e gli involucri dell'azione assiale in combinazione statica e sismica.

Caratteristiche dei puntoni
Tabella 15 - Sezione 2 - Caratteristiche geometriche dei tiranti

Ordine puntoni	interasse	Quota da testa paratia	L_{totale}
[-]	[m]	[m]	[m]
1	5	0.35	10.94
2	5	5.75	10.94
3	5	10.55	10.94
4	5	17.15	10.94

Geometria dell'opera
Tabella 16 - Sezione 2 - Caratteristiche meccaniche dei tiranti

Altezza totale della paratia	$H_{paratia}$	33	m
Spessore della paratia (Φ perforazione)	$S_{paratia}$	0.24	m
Altezza massima di scavo	H_{scavo}	24.55	m
Altezza di infissione della paratia	$H_{infissione}$	8.45	m
Profondità della falda da testa paratia	Z_{falda}	2	m

Caratteristiche dei materiali (puntoni)

N° ordini di puntoni	n° puntoni	4	-
Tipologia puntoni	temporanei		
Coefficiente parziale per resistenza	γ_R	1	-
Area del puntone	$A_{trefolo}$	175.2	cm ²
Diametro del puntone	$\phi_{trefolo}$	298.9	mm
Tensione caratteristica di rottura dell'acciaio S275	f_{tk}	430	N/mm ²
Tensione caratteristica di snervamento dell'acciaio S275	f_{yk}	275	N/mm ²
Tensione di calcolo acciaio	f_{yd}	262	N/mm ²

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Verifica dell'instabilità a carico di punta

Per quanto concerne le verifiche strutturali dei puntoni metallici di contrasto, lo sforzo massimo di calcolo proveniente dall'analisi viene confrontato per ciascun ordine di puntoni con la tensione limite per i profilati tubolari in acciaio.

Sono previste la verifica a compressione e la verifica di stabilità come indicato nel D.M.17/01/2018.

La forza di compressione di calcolo N_{Ed} deve rispettare la seguente condizione:

$$\frac{N_{Ed}}{N_{c,Rd}} \leq 1$$

dove la resistenza di calcolo a compressione della sezione $N_{c,Rd}$ vale:

$$N_{c,Rd} = \frac{A \cdot f_{yk}}{\gamma_{M0}} \text{ per le sezioni di classe 1, 2 e 3}$$

in cui:

A : è l'area della sezione trasversale del puntone metallico di contrasto

f_{yk} : è la tensione caratteristica di snervamento

γ_{M0} : coefficiente di sicurezza per la resistenza delle membrature

Classificazione della sezione

d : diametro della sezione tubolare pari a 298.5 mm

t : spessore della sezione pari a 20 mm

f_{yk} : pari a 275 MPa

$$\frac{d}{t} = 14.92 \leq 50\epsilon^2 = 42.7$$

dove:

$$\epsilon = \sqrt{\frac{235}{f_{yk}}} = 0.92$$

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La sezione risulta pertanto classificata come tipo 1.

La verifica di stabilità dei puntoni si effettua nell'ipotesi che la sezione trasversale sia uniformemente compressa. Deve risultare:

$$\frac{N_{Ed}}{N_{b,Rd}} \leq 1$$

dove:

N_{Ed} : è l'azione di compressione di calcolo

$N_{b,Rd}$: è la resistenza all'instabilità nell'asta compressa, pari a

$$N_{b,Rd} = \frac{\chi \cdot A \cdot f_{yk}}{\gamma_{M1}} \text{ per le sezioni di classe 1, 2 e 3}$$

I coefficienti χ dipendono dal tipo di sezione e dal tipo di acciaio impiegato: essi si ricavano, in funzione di appropriati valori della snellezza adimensionale $\bar{\lambda}$, dalla seguente formula:

$$\chi = \frac{1}{\Phi + \sqrt{\Phi^2 - \bar{\lambda}^2}} \leq 1.0$$

dove:

$$\Phi = 0.5 \cdot \left[1 + \alpha \cdot (\bar{\lambda} - 0.2) + \bar{\lambda}^2 \right]$$

α : fattore di imperfezione pari a 0.21 (DM 2018 – Tabella 4.2.VIII)

$\bar{\lambda}$: snellezza adimensionale pari a:

$$\bar{\lambda} = \sqrt{\frac{A \cdot f_{yk}}{N_{cr}}} \text{ per le sezioni di classe 1, 2 e 3}$$

N_{cr} : carico critico elastico (basato sulle proprietà della sezione e sulla lunghezza di libera inflessione l_0 dell'asta)
pari a:

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$$N_{cr} = \left(\frac{\pi}{\lambda} \right)^2 \cdot E \cdot A$$

E : modulo elastico dell'acciaio pari a 210000 MPa

λ : snellezza della sezione pari a:

$$\lambda = \frac{l_0}{\rho_{min}} = \frac{\beta \cdot l}{\left(\sqrt{J_{min}/A} \right)}$$

β : coefficiente in funzione del tipo di vincolo dell'asta

l : lunghezza dell'asta

J_{min} : momento di inerzia minore dell'asta

La norma limita il valore della snellezza λ al valore di 200 per le membrature principali.

Nel nostro caso si ha:

$$\beta = 1$$

$$l = 10.94 \text{ m}$$

$$J_{min} = 1.71 \cdot 10^{-4} \text{ m}^4$$

$$A = 1.75 \cdot 10^{-2} \text{ m}^2$$

$$\lambda = 108$$

$$N_{cr} = 3028 \text{ kN}$$

$$\bar{\lambda} = 1.26$$

$$\Phi = 1.41$$

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$$\chi = 0.49 < 1$$

$$\gamma_{M1} = 1.05$$

Nelle tabelle che seguono sono riassunti i risultati delle verifiche.

Analisi	Ordine	Quota (m)	Passo max (m)	Sezione ϕ (m ²)	N_{Ed} (kN/m)	N_{Ed} (kN)	$N_{C,Rd}$ (kN)	$N_{B,Rd}$ (kN)
SLU	1	15.35	5	$1.75 \cdot 10^{-2}$	22.41	146	4588.74	1833.54
	2	9.95	5	$1.75 \cdot 10^{-2}$	91	592	4588.74	1833.54
	3	5.15	5	$1.75 \cdot 10^{-2}$	4.74	31	4588.74	1833.54
	4	-1.45	5	$1.75 \cdot 10^{-2}$	2.45	16	4588.74	1833.54
SLV	1	15.35	5	$1.75 \cdot 10^{-2}$	37.52	188	4588.74	1833.54
	2	9.95	5	$1.75 \cdot 10^{-2}$	131.55	658	4588.74	1833.54
	3	5.15	5	$1.75 \cdot 10^{-2}$	67.75	339	4588.74	1833.54
	4	-1.45	5	$1.75 \cdot 10^{-2}$	88.10	441	4588.74	1833.54

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4) Verifica stabilità globale del complesso opera di sostegno – terreno

Le verifiche di stabilità globale non sono state eseguite per il caso in esame dal momento che un siffatto meccanismo di rottura come quello individuato da Morgenstein & Price non risulta verosimile per le caratteristiche geometriche dell'opera.

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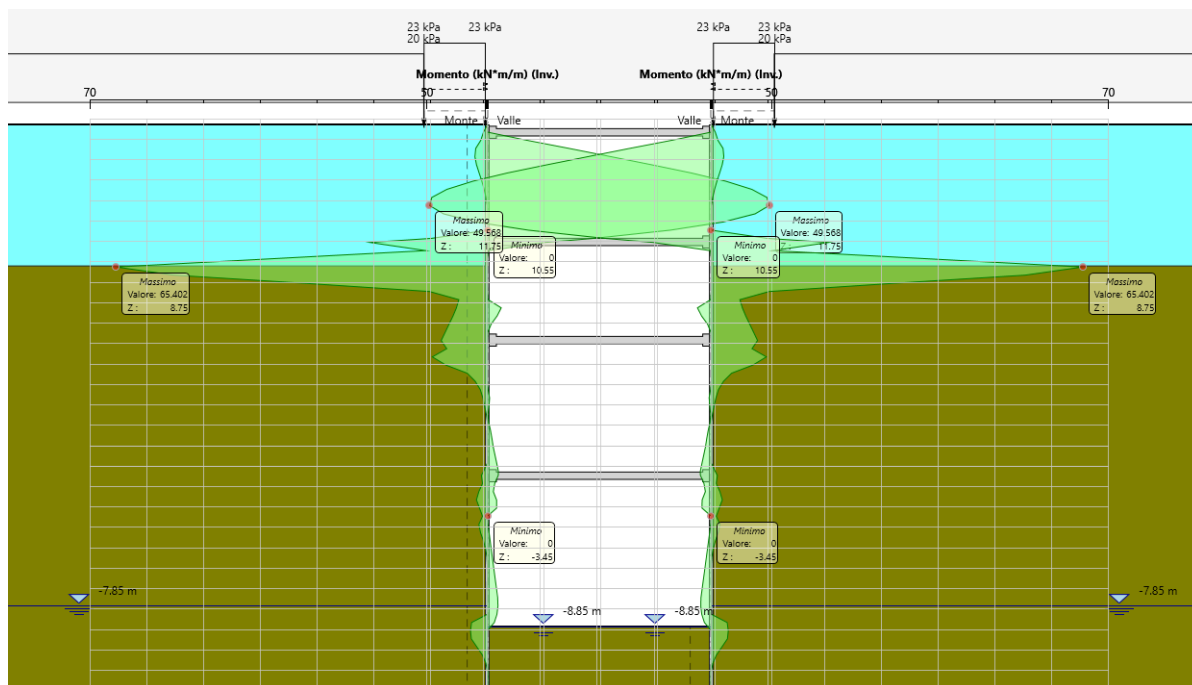
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 5) Verifica resistenza strutturale dei micropali della paratia

Nei prospetti che seguono, per le combinazioni STR statica e sismica, si riportano gli andamenti delle caratteristiche della sollecitazione sulla paratia di pali per tutte le fasi di calcolo ed i valori delle sollecitazioni massime, utilizzate per le verifiche strutturali.

Tabella 17 - Sezione 2 - Sollecitazioni SLU e SLV

Condizione [-]	Fase di calcolo [-]	Soll. Max. [-]	Quota [m]	M_{sd} [kNm/m]	T_{sd} [kN/m]	N_{sd} [kN/palo]
SLU (STR)	INVILUPPO	MOMENTO	8.75	65.40	25.42	6
SLU (STR)	INVILUPPO	TAGLIO	9.15	38.10	68.25	5.6
SLV	SISMA	MOMENTO	-1.45	54.59	39.54	14.7
SLV	SISMA	TAGLIO	10.15	24.49	71.22	4.8


Figura 17 - Sezione 2 - Inviluppo momento flettente statico agente nei micropali (SLU)

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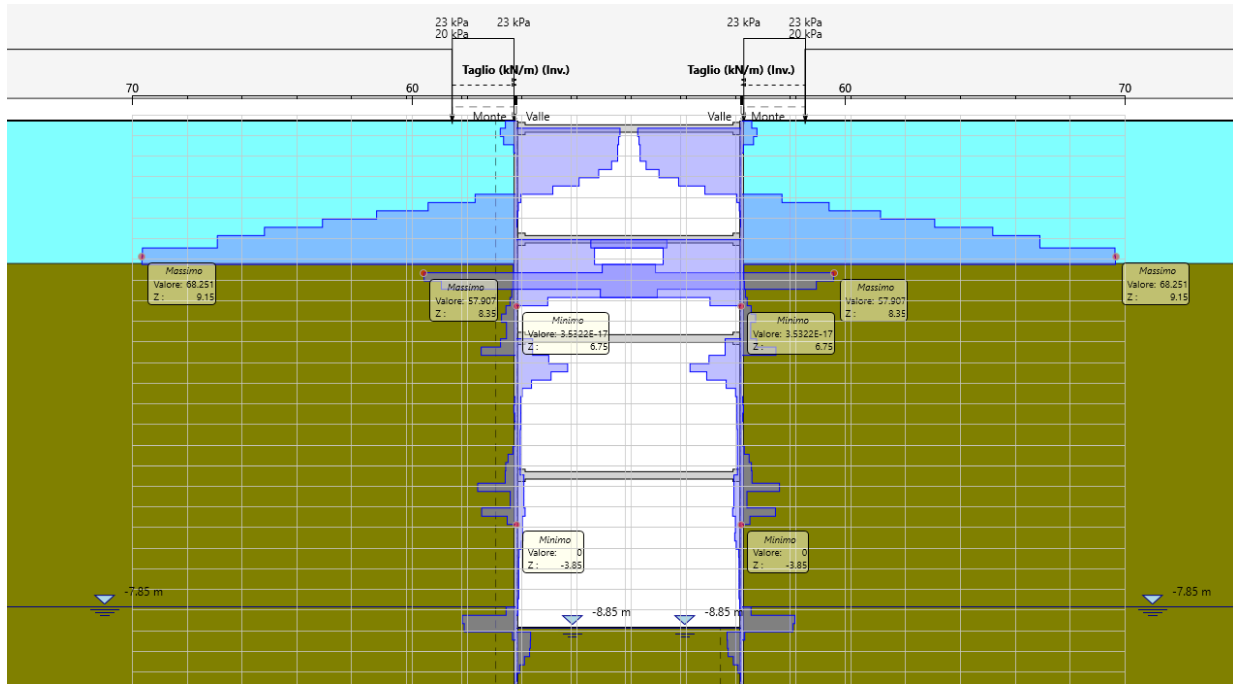


Figura 18 - Sezione 2 - Involuppo taglio statico agente nei micropali (SLU)

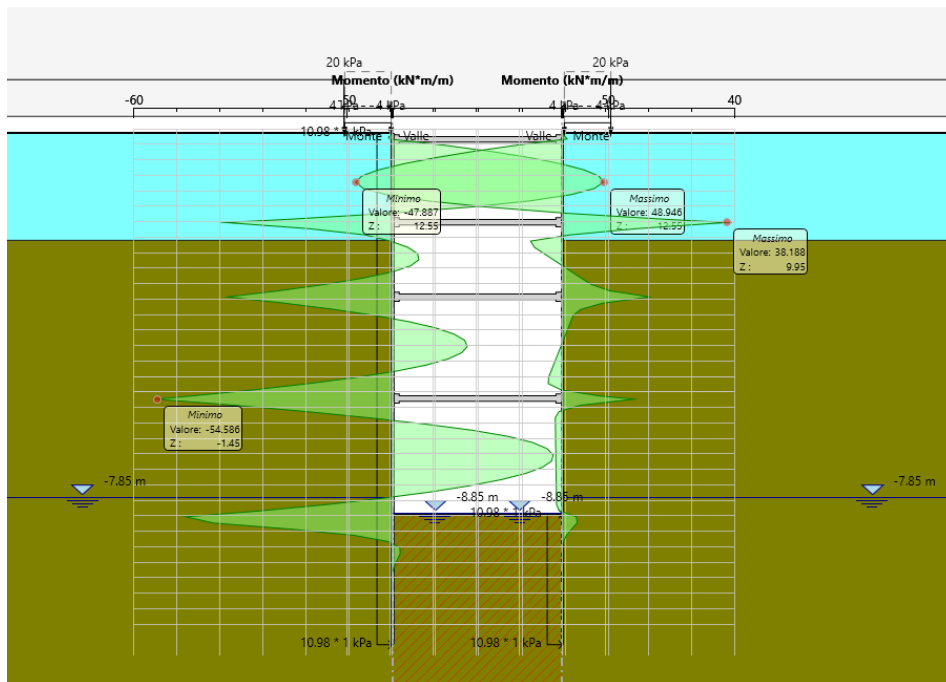
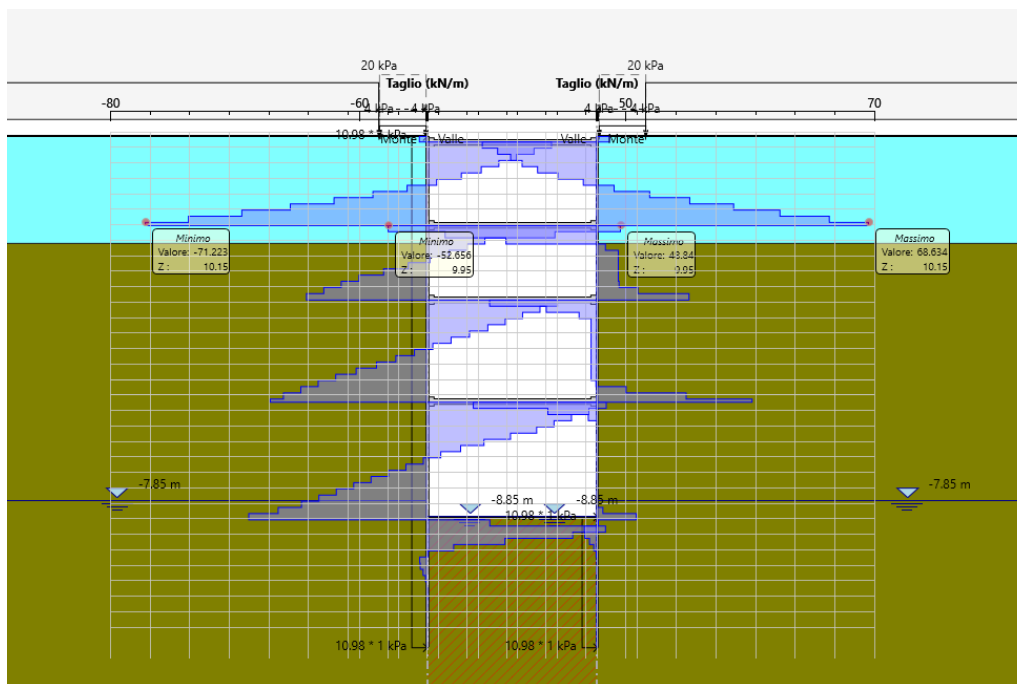


Figura 19 - Sezione 2 - Momento flettente pseudostatico agente nei micropali (SLV)

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Figura 20 - Sezione 2 - Taglio pseudostatico agente nei micropali (SLV)

Le sollecitazioni più gravose sono quelle derivanti dall'analisi sismica. I valori di taglio e momento flettente esposti nella tabella precedente devono essere moltiplicati per l'interasse tra i pali così da ottenere la sollecitazione agente sul singolo palo.

Tabella 18 - Sezione 2 - Materiali strutturali e geometria di verifica

Tipo acciaio					Tubo					
Tipo	f_{yk}	$\gamma_{acciaio}$	γ_{M0}	f_{yd}	$[\varnothing]$	t	W_{el}	W_{pl}	A	A_v
acciaio	[MPa]	[KN/m ³]	[-]	[MPa]	[mm]	[mm]	[cm ³]	[cm ³]	[cm ²]	[cm ²]
S355	355	78.5	1.05	338	193.7	20	431	547	109.1	69.5

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Tabella 19 - Sezione 2 - Verifica combinazione Mmax

CASO	Azioni sollecitanti							Azioni resistenti flessione			
	M_{sk} [kNm]	V_{sk} [kNm]	N_{sk} [kN]	γ_A [-]	M_{sd} [kNm]	V_{sd} [kN]	N_{sd} [kN]	$M_{el\ rd}$ [kNm]	$M_{pl\ rd}$ [kNm]	M_{rd} [kNm]	$V_{pl\ rd}$ [kN]
STATICO	26.2	27.3	5.6	1.3	34.0	35.5	7.3	145.6	184.9	184.9	1356.2
SISMICO	21.8	28.5	4.8	1.0	21.8	28.5	4.8	145.6	184.9	184.9	1356.2

CASO	Azioni resistenti presso/tenso flessione			
	$N_{pl\ rd}$ [kN]	n [-]	a [-]	$M_{Ny\ rd}$ [kNm]
STATICO	3688.1	0.0020	0.5	184.9
SISMICO	3688.1	0.0013	0.5	184.9

Verifiche	
M_{rd} / M_{sd} [-]	V_{rd} / V_{sd} [-]
5.44 > 1	38.21 > 1
8.47 > 1	47.61 > 1

Le verifiche strutturali sono pertanto tutte soddisfatte.

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 6) Verifica resistenza strutturale delle travi di ripartizione

Le caratteristiche della sollecitazione sono determinate modellando gli elementi strutturali oggetto di verifica alla stregua di travi continue su più appoggi; la luce delle campate è data dall'interasse dei tiranti ed il carico, uniformemente distribuito, è determinato ripartendo le reazioni offerte dagli ancoraggi, ottenute dal modello di calcolo dell'opera di sostegno. Definito $N_{s,d}$ il massimo tiro di calcolo corrispondente all' i -esimo ordine di tiranti, il suddetto carico è così calcolato: $q_{s,d} = N_{s,d}/l$ (con l interasse tiranti).

Secondo tale modello le massime azioni di calcolo sull'elemento strutturale saranno:

$$M_{s,d} = \frac{1}{10} q_{s,d} l^2$$

$$T_{s,d} = 0.5 q_{s,d} l$$

Le travi di ripartizione costituite da profili metallici accoppiati HEB 550.

La tensione resistente di calcolo dell'acciaio è ottenuta mediante riduzione della tensione resistente caratteristica, f_{yk} attraverso il coefficiente parziale $\gamma_{M0} = 1.05$: $f_{yd} = 261.90$ MPa.

Nella tabella seguente è riportata la verifica strutturale delle travi di ripartizione calcolata per il massimo valore della reazione dei tiranti ottenuto dal modello di calcolo.

Tabella 20: Sezione 2: Verifica strutturale delle travi di ripartizione

STR STATICA													
Puntoni	Passo	T Paratie	Tipo	n°	b	t _{flangia}	t _{web}	r	h _{web}	W _{el}	W _{pl}	A	Av
ordine	[m]	[kN/m]			[cm]	[cm]	[cm]	[cm]	[cm]	[cm ³]	[cm ³]	[cm ²]	[cm ²]
1	5	22.41	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
2	5	91.00	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
3	5	4.74	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
4	5	2.45	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA
 - RELAZIONE GEOTECNICA E DI CALCOLO
 DELLE OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
iv0i	00	D 07 CL	PZ0200 001	A	60 di 62

M_{sk}	V_{sk}	γ_A	M_{sd}	V_{sd}	$M_{el\ rd}$	$M_{pl\ rd}$	M_{rd}	$V_{pl\ rd}$	M_{rd} / M_{sd}	V_{rd} / V_{sd}
[kNm]	[kNm]	[-]	[kNm]	[kN]	[kNm]	[kNm]	[kNm]	[kN]	[-]	[-]
56.0	56.0	1.3	72.8	72.8	1301.9	1464.3	1464.3	1513.8	20.1	20.8
227.5	227.5	1.3	295.8	295.8	1301.9	1464.3	1464.3	1513.8	5.0	5.1
11.9	11.9	1.3	15.4	15.4	1301.9	1464.3	1464.3	1513.8	95.1	98.3
6.1	6.1	1.3	8.0	8.0	1301.9	1464.3	1464.3	1513.8	183.9	190.1

STR SISMICA

Puntoni	Passo	T Paratie	Tipo	n°	b	t _{flangia}	t _{web}	r	h _{web}	W _{el}	W _{pl}	A	Av
ordine	[m]	[kN/m]			[cm]	[cm]	[cm]	[cm]	[cm]	[cm ³]	[cm ³]	[cm ²]	[cm ²]
1	5	37.52	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
2	5	131.55	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
3	5	67.75	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1
4	5	88.10	HEB550	1	30	2.9	1.5	2.7	49.2	4971	5591	254.1	100.1

M_{sk}	V_{sk}	γ_A	M_{sd}	V_{sd}	$M_{el\ rd}$	$M_{pl\ rd}$	M_{rd}	$V_{pl\ rd}$	M_{rd} / M_{sd}	V_{rd} / V_{sd}
[kNm]	[kNm]	[-]	[kNm]	[kN]	[kNm]	[kNm]	[kNm]	[kN]	[-]	[-]
93.8	93.8	1.0	93.8	93.8	1301.9	1464.3	1464.3	1513.8	15.6	16.1
328.9	328.9	1.0	328.9	328.9	1301.9	1464.3	1464.3	1513.8	4.5	4.6
169.4	169.4	1.0	169.4	169.4	1301.9	1464.3	1464.3	1513.8	8.6	8.9
220.3	220.3	1.0	220.3	220.3	1301.9	1464.3	1464.3	1513.8	6.6	6.9

 ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE	RADDOPPIO LINEA GENOVA - VENTIMIGLIA TRATTA FINALE LIGURE - ANDORA					
PROGETTO DEFINITIVO POZZO DI ACCESSO GASTALDI LATO GENOVA - RELAZIONE GEOTECNICA E DI CALCOLO DELLE OPERE PROVVISORIALI	COMMESSA iv0i	LOTTO 00	CODIFICA D 07 CL	DOCUMENTO PZ0200 001	REV. A	FOGLIO 61 di 62

I risultati evidenziano, in tutti i casi, buoni margini rispetto alle condizioni limite.

Riguardo alle altre verifiche GEO ed HYD:

- La verifica per collasso per carico limite verticale non si rende necessaria poiché in testa la paratia non presenta carichi e lo sforzo calcolato e riportato è dato da peso proprio e risulta avere valori bassi.
- La verifica di instabilità del fondo scavo in terreni a grana fine e condizioni non drenate non si rende necessaria essendo in presenza di terreni a grana grossa drenanti e permeabili.
- Le verifiche di instabilità del fondo scavo per sollevamento e sifonamento del fondo scavo non si rende necessaria poiché non sussiste un ΔH di falda, tale da creare condizioni di squilibrio e idrodinamiche.

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA
- RELAZIONE GEOTECNICA E DI CALCOLO
DELLE OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	FOGLIO
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12 MONITORAGGIO

Per il monitoraggio delle opere di sostegno provvisoriale si prevede l'adozione di mire ottiche e capisaldi per monitorare i fenomeni deformativi e celle di carico per valutare lo stato tensionale dei tiranti.

Per i dettagli specifici relativi al monitoraggio e agli eventuali interventi di salvaguardia previsti per le opere preesistenti interferenti con il tracciato si rimanda agli elaborati dedicati.

13 CONCLUSIONI

La presente relazione è parte integrante del progetto definitivo delle opere in sotterraneo per il raddoppio della linea Genova - Ventimiglia nella tratta Finale Ligure – Andora

Nella presente relazione si sono affrontate le problematiche progettuali connesse alla realizzazione delle opere provvisoriale del pozzo di accesso Gastaldi della fermata sotterranea di Alassio facente parte della linea ferroviaria Genova – Ventimiglia. Per l'inquadramento generale delle opere in sotterraneo si rimanda alla Relazione tecnica (Rif. [1]).

La progettazione è stata sviluppata nel rispetto della normativa vigente, DM 17/01/2018 e della Circolare n.7/19.

La relazione illustra le soluzioni progettuali e le verifiche di dimensionamento delle opere di sostegno provvisoriale. Per le verifiche relative alle opere definitive si rimanda alla relazione di calcolo dedicata.

Il pozzo di accesso Gastaldi, è caratterizzato dal punto di vista stratigrafico da coperture detritiche e alluvionali e dalle Peliti di Moglio.

La falda è presente mediamente a circa 1,5 m dal piano di realizzazione delle opere di sostegno.

Le opere provvisoriale sono costituite da una paratia di micropali di acciaio che si sviluppa secondo una configurazione rettangolare per complessivi 124 m circa. La paratia lungo i due lati corti si sviluppa per 10,50 m circa, mentre sui rimanenti due lati lunghi si estende per un tratto di 51,20 m.

La paratia è contrastata con tre ordini di puntoni in acciaio a sezione tubolare; l'altezza massima di scavo è pari a circa 28 m.

E' prevista inoltre la realizzazione di un'opera di sostegno a protezione degli scavi a partire del lato ovest del pozzo costituita da una paratia di micropali per uno sviluppo in pianta di 43+26 m circa.

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

ALLEGATO 1

TITOLO	Input e Output Paratie – Lato Genova
TIPO DI DOCUMENTO:	Documento - Formato A4
CODIFICA:	-
PAGINE:	924
DATA:	Gennaio 2022
SORGENTE:	U.O. Gallerie Italferr S.p.A.
NOTE:	-

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

SEZIONE CORRENTE



Report di Calcolo

Nome Progetto: MyProject

Autore: Engineer

Jobname:

Data: 15/12/2021 11:08:00

Design Section: Basemodel

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Sommario
Contenuto Sommario

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Descrizione Pareti

X : 0 m

Quota in alto : 15.7 m

Quota di fondo : -17.3 m

Muro di sinistra

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

Spessore : 0.02 m

Diametro : 0.1937 m



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

X : 0 m

Quota in alto : 15.7 m

Quota di fondo : -17.3 m

Muro di sinistra

X : 10.94 m

Quota in alto : 15.7 m

Quota di fondo : -17.3 m

Muro di destra

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

Spessore : 0.02 m

Diametro : 0.1937 m

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

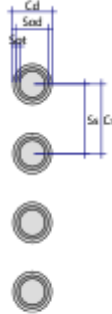
Spessore : 0.02 m

Diametro : 0.1937 m

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1



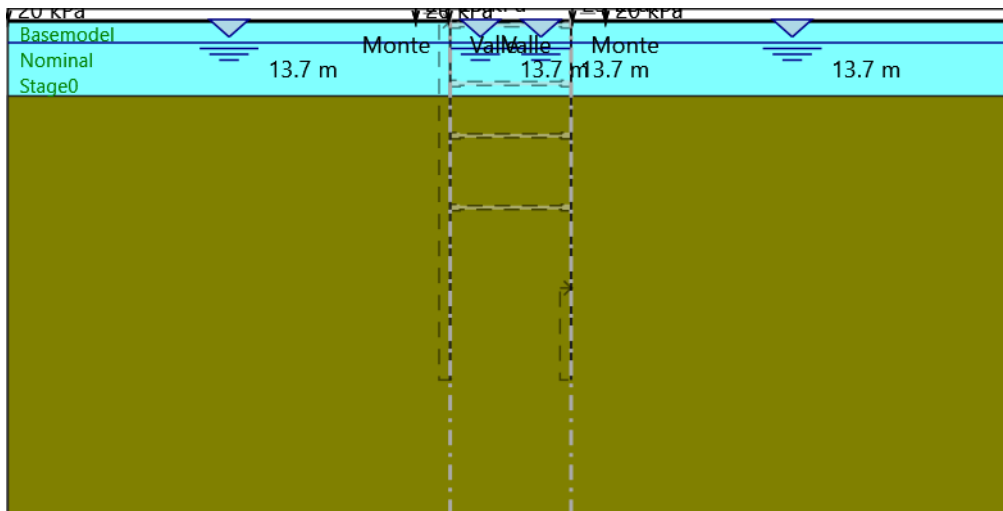
PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Fasi di Calcolo

Stage0

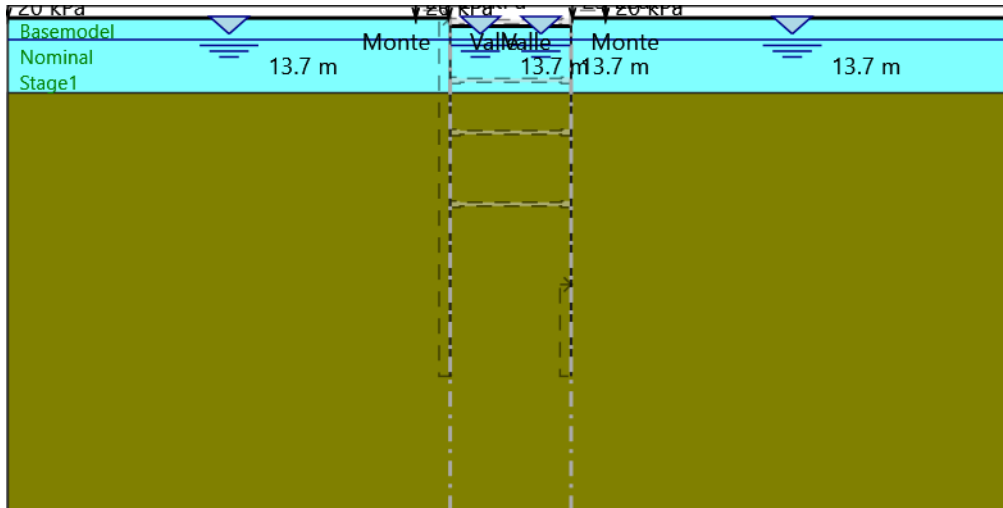


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage1

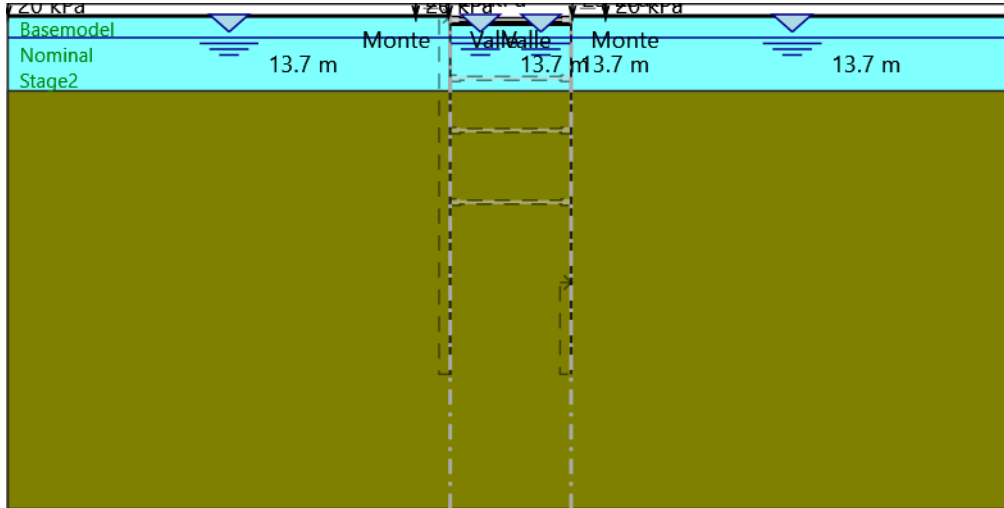


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage2

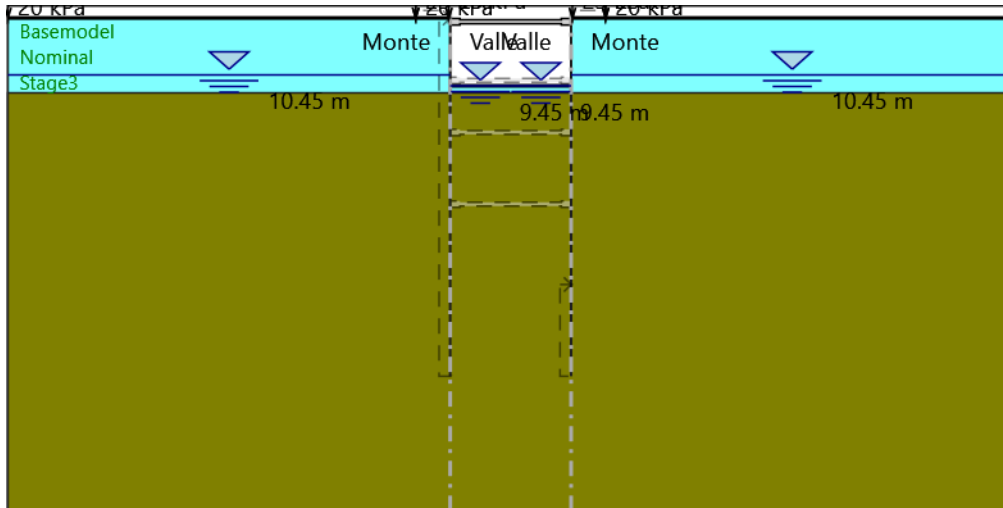


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage3

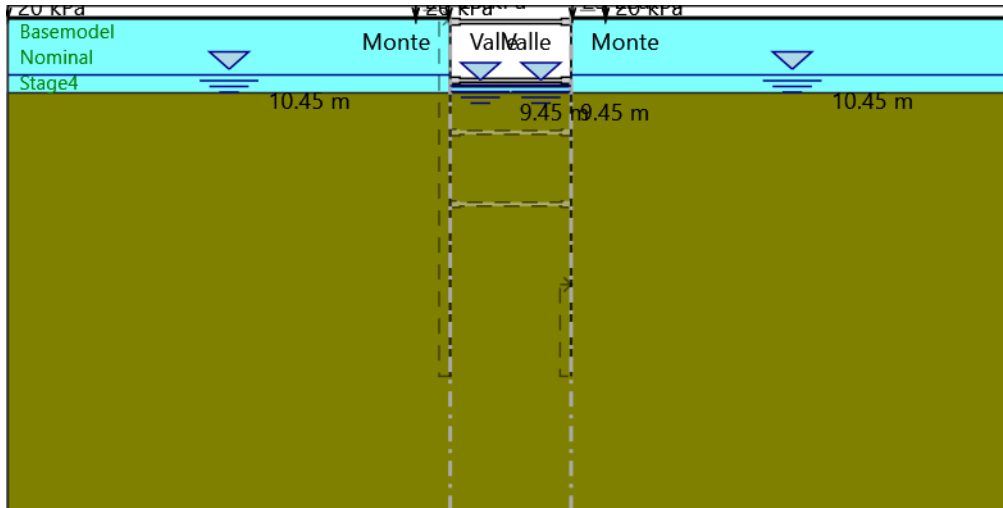


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage4

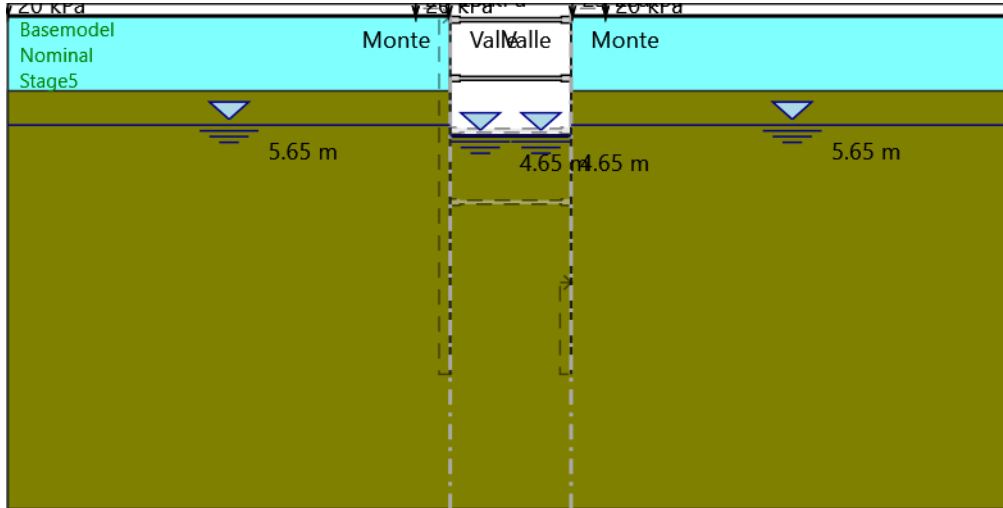


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage5

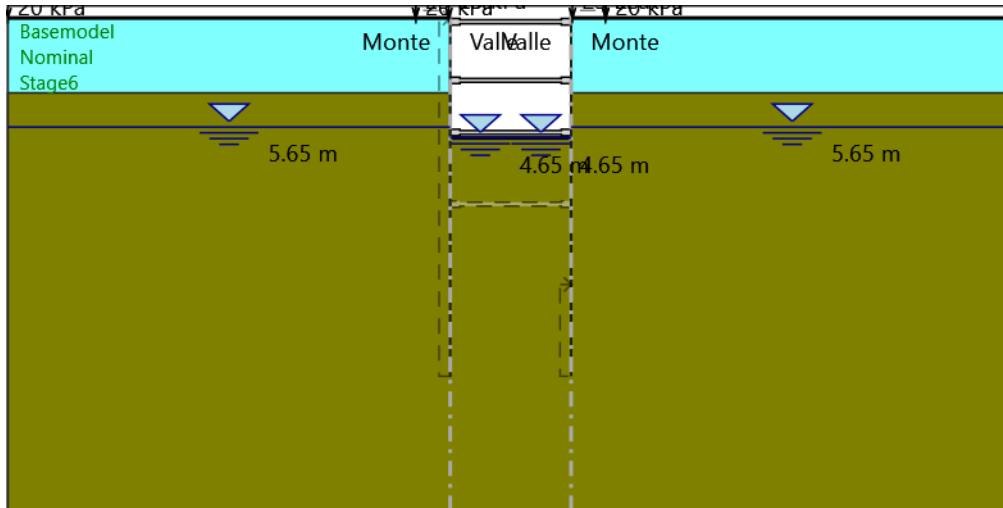


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage6

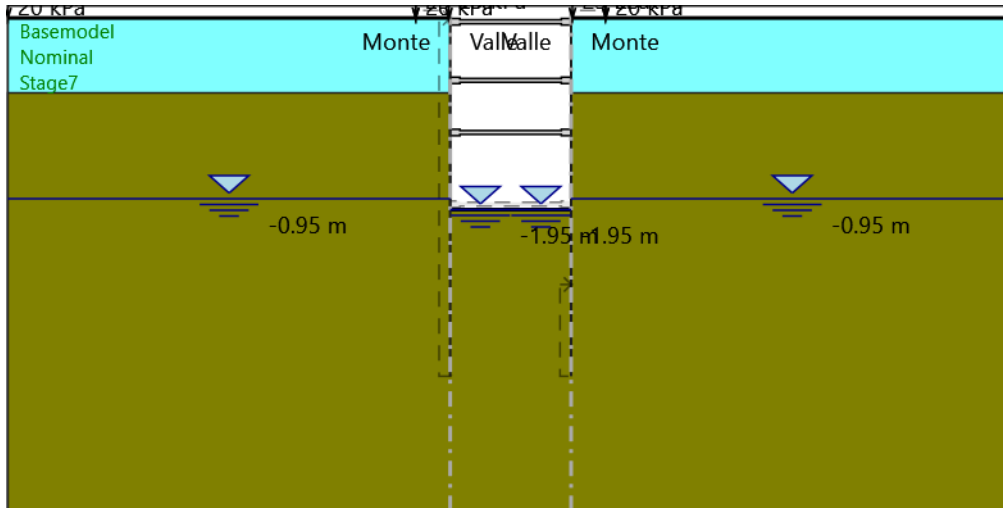


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage7

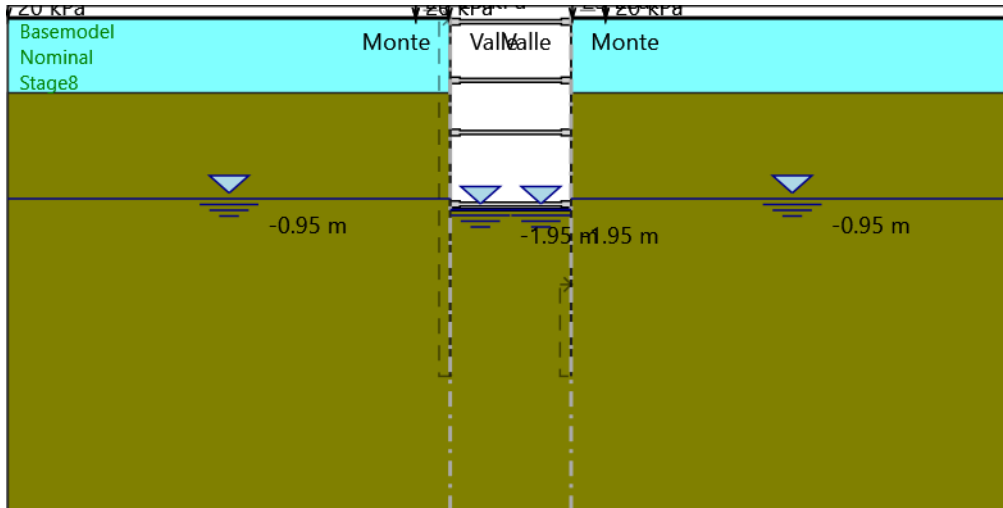


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage8

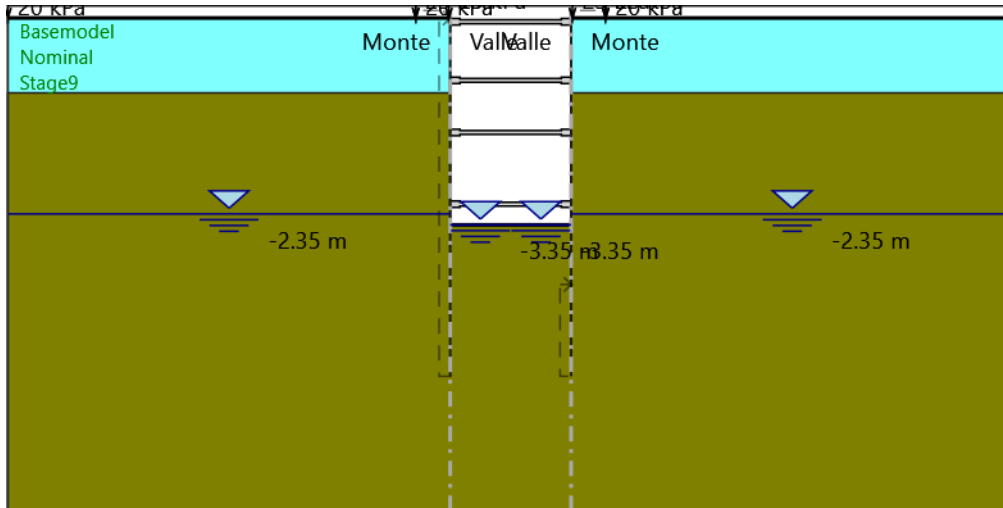


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage9

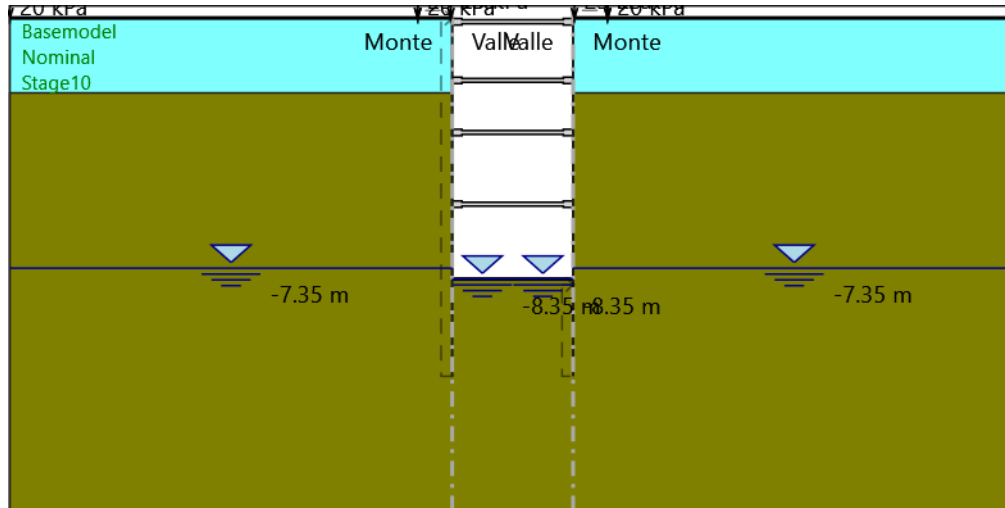


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage10

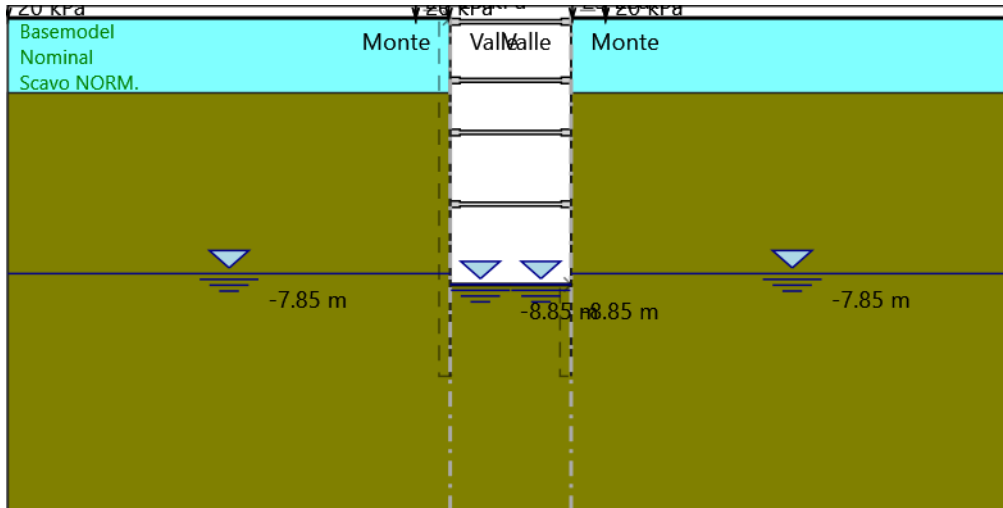


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Scavo NORM.

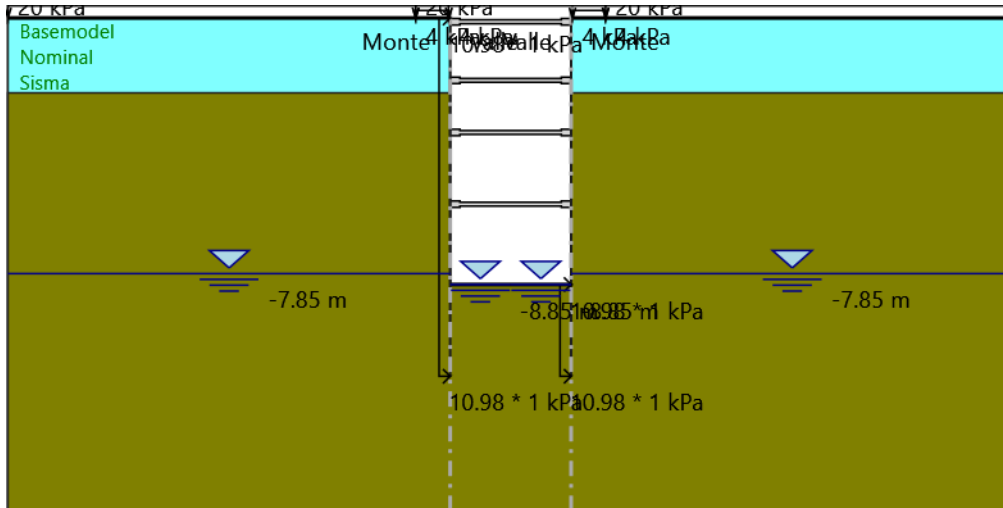


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Sisma



PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Grafici dei Risultati

Design Assumption : Nominal

Tabella Spostamento Nominal - LEFT Stage: Stage0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage0	15.7	0
Stage0	15.35	0
Stage0	14.95	0
Stage0	14.55	0
Stage0	14.15	0
Stage0	13.75	0
Stage0	13.35	0
Stage0	12.95	0
Stage0	12.55	0
Stage0	12.15	0
Stage0	11.75	0
Stage0	11.35	0
Stage0	10.95	0
Stage0	10.55	0
Stage0	10.15	0
Stage0	9.95	0
Stage0	9.55	0
Stage0	9.15	0
Stage0	8.75	0
Stage0	8.35	0
Stage0	7.95	0
Stage0	7.55	0
Stage0	7.15	0
Stage0	6.75	0
Stage0	6.35	0
Stage0	5.95	0
Stage0	5.55	0
Stage0	5.15	0
Stage0	4.75	0
Stage0	4.35	0
Stage0	3.95	0
Stage0	3.55	0
Stage0	3.15	0
Stage0	2.75	0
Stage0	2.35	0
Stage0	1.95	0
Stage0	1.55	0
Stage0	1.15	0
Stage0	0.75	0
Stage0	0.35	0
Stage0	-0.05	0
Stage0	-0.45	0
Stage0	-0.85	0
Stage0	-1.25	0
Stage0	-1.45	0
Stage0	-1.85	0
Stage0	-2.25	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage0	-2.65	0	
Stage0	-3.05	0	
Stage0	-3.45	0	
Stage0	-3.85	0	
Stage0	-4.25	0	
Stage0	-4.65	0	
Stage0	-5.05	0	
Stage0	-5.45	0	
Stage0	-5.85	0	
Stage0	-6.25	0	
Stage0	-6.65	0	
Stage0	-7.05	0	
Stage0	-7.45	0	
Stage0	-7.85	0	
Stage0	-8.25	0	
Stage0	-8.65	0	
Stage0	-9.05	0	
Stage0	-9.45	0	
Stage0	-9.85	0	
Stage0	-10.25	0	
Stage0	-10.65	0	
Stage0	-11.05	0	
Stage0	-11.45	0	
Stage0	-11.85	0	
Stage0	-12.25	0	
Stage0	-12.65	0	
Stage0	-13.05	0	
Stage0	-13.45	0	
Stage0	-13.85	0	
Stage0	-14.25	0	
Stage0	-14.65	0	
Stage0	-15.05	0	
Stage0	-15.45	0	
Stage0	-15.85	0	
Stage0	-16.25	0	
Stage0	-16.65	0	
Stage0	-17.05	0	
Stage0	-17.3	0	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage0

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage0	15.7	0
Stage0	15.35	0
Stage0	14.95	0
Stage0	14.55	0
Stage0	14.15	0
Stage0	13.75	0
Stage0	13.35	0
Stage0	12.95	0
Stage0	12.55	0
Stage0	12.15	0
Stage0	11.75	0
Stage0	11.35	0
Stage0	10.95	0
Stage0	10.55	0
Stage0	10.15	0
Stage0	9.95	0
Stage0	9.55	0
Stage0	9.15	0
Stage0	8.75	0
Stage0	8.35	0
Stage0	7.95	0
Stage0	7.55	0
Stage0	7.15	0
Stage0	6.75	0
Stage0	6.35	0
Stage0	5.95	0
Stage0	5.55	0
Stage0	5.15	0
Stage0	4.75	0
Stage0	4.35	0
Stage0	3.95	0
Stage0	3.55	0
Stage0	3.15	0
Stage0	2.75	0
Stage0	2.35	0
Stage0	1.95	0
Stage0	1.55	0
Stage0	1.15	0
Stage0	0.75	0
Stage0	0.35	0
Stage0	-0.05	0
Stage0	-0.45	0
Stage0	-0.85	0
Stage0	-1.25	0
Stage0	-1.45	0
Stage0	-1.85	0
Stage0	-2.25	0
Stage0	-2.65	0
Stage0	-3.05	0
Stage0	-3.45	0
Stage0	-3.85	0
Stage0	-4.25	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage0	-4.65	0
Stage0	-5.05	0
Stage0	-5.45	0
Stage0	-5.85	0
Stage0	-6.25	0
Stage0	-6.65	0
Stage0	-7.05	0
Stage0	-7.45	0
Stage0	-7.85	0
Stage0	-8.25	0
Stage0	-8.65	0
Stage0	-9.05	0
Stage0	-9.45	0
Stage0	-9.85	0
Stage0	-10.25	0
Stage0	-10.65	0
Stage0	-11.05	0
Stage0	-11.45	0
Stage0	-11.85	0
Stage0	-12.25	0
Stage0	-12.65	0
Stage0	-13.05	0
Stage0	-13.45	0
Stage0	-13.85	0
Stage0	-14.25	0
Stage0	-14.65	0
Stage0	-15.05	0
Stage0	-15.45	0
Stage0	-15.85	0
Stage0	-16.25	0
Stage0	-16.65	0
Stage0	-17.05	0
Stage0	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage1

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage1	15.7	0.25	
Stage1	15.35	0.21	
Stage1	14.95	0.16	
Stage1	14.55	0.11	
Stage1	14.15	0.07	
Stage1	13.75	0.05	
Stage1	13.35	0.03	
Stage1	12.95	0.02	
Stage1	12.55	0.02	
Stage1	12.15	0.02	
Stage1	11.75	0.02	
Stage1	11.35	0.02	
Stage1	10.95	0.02	
Stage1	10.55	0.02	
Stage1	10.15	0.02	
Stage1	9.95	0.02	
Stage1	9.55	0.01	
Stage1	9.15	0.01	
Stage1	8.75	0	
Stage1	8.35	0	
Stage1	7.95	0	
Stage1	7.55	0	
Stage1	7.15	0	
Stage1	6.75	0	
Stage1	6.35	0	
Stage1	5.95	0	
Stage1	5.55	0	
Stage1	5.15	0	
Stage1	4.75	0	
Stage1	4.35	0	
Stage1	3.95	0	
Stage1	3.55	0	
Stage1	3.15	0	
Stage1	2.75	0	
Stage1	2.35	0	
Stage1	1.95	0	
Stage1	1.55	0	
Stage1	1.15	0	
Stage1	0.75	0	
Stage1	0.35	0	
Stage1	-0.05	0	
Stage1	-0.45	0	
Stage1	-0.85	0	
Stage1	-1.25	0	
Stage1	-1.45	0	
Stage1	-1.85	0	
Stage1	-2.25	0	
Stage1	-2.65	0	
Stage1	-3.05	0	
Stage1	-3.45	0	
Stage1	-3.85	0	
Stage1	-4.25	0	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage1	-4.65	0	
Stage1	-5.05	0	
Stage1	-5.45	0	
Stage1	-5.85	0	
Stage1	-6.25	0	
Stage1	-6.65	0	
Stage1	-7.05	0	
Stage1	-7.45	0	
Stage1	-7.85	0	
Stage1	-8.25	0	
Stage1	-8.65	0	
Stage1	-9.05	0	
Stage1	-9.45	0	
Stage1	-9.85	0	
Stage1	-10.25	0	
Stage1	-10.65	0	
Stage1	-11.05	0	
Stage1	-11.45	0	
Stage1	-11.85	0	
Stage1	-12.25	0	
Stage1	-12.65	0	
Stage1	-13.05	0	
Stage1	-13.45	0	
Stage1	-13.85	0	
Stage1	-14.25	0	
Stage1	-14.65	0	
Stage1	-15.05	0	
Stage1	-15.45	0	
Stage1	-15.85	0	
Stage1	-16.25	0	
Stage1	-16.65	0	
Stage1	-17.05	0	
Stage1	-17.3	0	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage1	15.7	-0.25
Stage1	15.35	-0.21
Stage1	14.95	-0.16
Stage1	14.55	-0.11
Stage1	14.15	-0.07
Stage1	13.75	-0.05
Stage1	13.35	-0.03
Stage1	12.95	-0.02
Stage1	12.55	-0.02
Stage1	12.15	-0.02
Stage1	11.75	-0.02
Stage1	11.35	-0.02
Stage1	10.95	-0.02
Stage1	10.55	-0.02
Stage1	10.15	-0.02
Stage1	9.95	-0.02
Stage1	9.55	-0.01
Stage1	9.15	-0.01
Stage1	8.75	0
Stage1	8.35	0
Stage1	7.95	0
Stage1	7.55	0
Stage1	7.15	0
Stage1	6.75	0
Stage1	6.35	0
Stage1	5.95	0
Stage1	5.55	0
Stage1	5.15	0
Stage1	4.75	0
Stage1	4.35	0
Stage1	3.95	0
Stage1	3.55	0
Stage1	3.15	0
Stage1	2.75	0
Stage1	2.35	0
Stage1	1.95	0
Stage1	1.55	0
Stage1	1.15	0
Stage1	0.75	0
Stage1	0.35	0
Stage1	-0.05	0
Stage1	-0.45	0
Stage1	-0.85	0
Stage1	-1.25	0
Stage1	-1.45	0
Stage1	-1.85	0
Stage1	-2.25	0
Stage1	-2.65	0
Stage1	-3.05	0
Stage1	-3.45	0
Stage1	-3.85	0
Stage1	-4.25	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage1	-4.65	0
Stage1	-5.05	0
Stage1	-5.45	0
Stage1	-5.85	0
Stage1	-6.25	0
Stage1	-6.65	0
Stage1	-7.05	0
Stage1	-7.45	0
Stage1	-7.85	0
Stage1	-8.25	0
Stage1	-8.65	0
Stage1	-9.05	0
Stage1	-9.45	0
Stage1	-9.85	0
Stage1	-10.25	0
Stage1	-10.65	0
Stage1	-11.05	0
Stage1	-11.45	0
Stage1	-11.85	0
Stage1	-12.25	0
Stage1	-12.65	0
Stage1	-13.05	0
Stage1	-13.45	0
Stage1	-13.85	0
Stage1	-14.25	0
Stage1	-14.65	0
Stage1	-15.05	0
Stage1	-15.45	0
Stage1	-15.85	0
Stage1	-16.25	0
Stage1	-16.65	0
Stage1	-17.05	0
Stage1	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage2

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage2	15.7	0.25	
Stage2	15.35	0.21	
Stage2	14.95	0.16	
Stage2	14.55	0.11	
Stage2	14.15	0.07	
Stage2	13.75	0.05	
Stage2	13.35	0.03	
Stage2	12.95	0.03	
Stage2	12.55	0.02	
Stage2	12.15	0.02	
Stage2	11.75	0.02	
Stage2	11.35	0.02	
Stage2	10.95	0.02	
Stage2	10.55	0.02	
Stage2	10.15	0.02	
Stage2	9.95	0.02	
Stage2	9.55	0.01	
Stage2	9.15	0.01	
Stage2	8.75	0	
Stage2	8.35	0	
Stage2	7.95	0	
Stage2	7.55	0	
Stage2	7.15	0	
Stage2	6.75	0	
Stage2	6.35	0	
Stage2	5.95	0	
Stage2	5.55	0	
Stage2	5.15	0	
Stage2	4.75	0	
Stage2	4.35	0	
Stage2	3.95	0	
Stage2	3.55	0	
Stage2	3.15	0	
Stage2	2.75	0	
Stage2	2.35	0	
Stage2	1.95	0	
Stage2	1.55	0	
Stage2	1.15	0	
Stage2	0.75	0	
Stage2	0.35	0	
Stage2	-0.05	0	
Stage2	-0.45	0	
Stage2	-0.85	0	
Stage2	-1.25	0	
Stage2	-1.45	0	
Stage2	-1.85	0	
Stage2	-2.25	0	
Stage2	-2.65	0	
Stage2	-3.05	0	
Stage2	-3.45	0	
Stage2	-3.85	0	
Stage2	-4.25	0	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage2	-4.65	0	
Stage2	-5.05	0	
Stage2	-5.45	0	
Stage2	-5.85	0	
Stage2	-6.25	0	
Stage2	-6.65	0	
Stage2	-7.05	0	
Stage2	-7.45	0	
Stage2	-7.85	0	
Stage2	-8.25	0	
Stage2	-8.65	0	
Stage2	-9.05	0	
Stage2	-9.45	0	
Stage2	-9.85	0	
Stage2	-10.25	0	
Stage2	-10.65	0	
Stage2	-11.05	0	
Stage2	-11.45	0	
Stage2	-11.85	0	
Stage2	-12.25	0	
Stage2	-12.65	0	
Stage2	-13.05	0	
Stage2	-13.45	0	
Stage2	-13.85	0	
Stage2	-14.25	0	
Stage2	-14.65	0	
Stage2	-15.05	0	
Stage2	-15.45	0	
Stage2	-15.85	0	
Stage2	-16.25	0	
Stage2	-16.65	0	
Stage2	-17.05	0	
Stage2	-17.3	0	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage2

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage2	15.7	-0.25
Stage2	15.35	-0.21
Stage2	14.95	-0.16
Stage2	14.55	-0.11
Stage2	14.15	-0.07
Stage2	13.75	-0.05
Stage2	13.35	-0.03
Stage2	12.95	-0.03
Stage2	12.55	-0.02
Stage2	12.15	-0.02
Stage2	11.75	-0.02
Stage2	11.35	-0.02
Stage2	10.95	-0.02
Stage2	10.55	-0.02
Stage2	10.15	-0.02
Stage2	9.95	-0.02
Stage2	9.55	-0.01
Stage2	9.15	-0.01
Stage2	8.75	0
Stage2	8.35	0
Stage2	7.95	0
Stage2	7.55	0
Stage2	7.15	0
Stage2	6.75	0
Stage2	6.35	0
Stage2	5.95	0
Stage2	5.55	0
Stage2	5.15	0
Stage2	4.75	0
Stage2	4.35	0
Stage2	3.95	0
Stage2	3.55	0
Stage2	3.15	0
Stage2	2.75	0
Stage2	2.35	0
Stage2	1.95	0
Stage2	1.55	0
Stage2	1.15	0
Stage2	0.75	0
Stage2	0.35	0
Stage2	-0.05	0
Stage2	-0.45	0
Stage2	-0.85	0
Stage2	-1.25	0
Stage2	-1.45	0
Stage2	-1.85	0
Stage2	-2.25	0
Stage2	-2.65	0
Stage2	-3.05	0
Stage2	-3.45	0
Stage2	-3.85	0
Stage2	-4.25	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage2	-4.65	0
Stage2	-5.05	0
Stage2	-5.45	0
Stage2	-5.85	0
Stage2	-6.25	0
Stage2	-6.65	0
Stage2	-7.05	0
Stage2	-7.45	0
Stage2	-7.85	0
Stage2	-8.25	0
Stage2	-8.65	0
Stage2	-9.05	0
Stage2	-9.45	0
Stage2	-9.85	0
Stage2	-10.25	0
Stage2	-10.65	0
Stage2	-11.05	0
Stage2	-11.45	0
Stage2	-11.85	0
Stage2	-12.25	0
Stage2	-12.65	0
Stage2	-13.05	0
Stage2	-13.45	0
Stage2	-13.85	0
Stage2	-14.25	0
Stage2	-14.65	0
Stage2	-15.05	0
Stage2	-15.45	0
Stage2	-15.85	0
Stage2	-16.25	0
Stage2	-16.65	0
Stage2	-17.05	0
Stage2	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage3

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage3	15.7	-0.66	
Stage3	15.35	0.37	
Stage3	14.95	1.56	
Stage3	14.55	2.7	
Stage3	14.15	3.77	
Stage3	13.75	4.74	
Stage3	13.35	5.55	
Stage3	12.95	6.18	
Stage3	12.55	6.59	
Stage3	12.15	6.77	
Stage3	11.75	6.69	
Stage3	11.35	6.36	
Stage3	10.95	5.79	
Stage3	10.55	5.01	
Stage3	10.15	4.06	
Stage3	9.95	3.55	
Stage3	9.55	2.5	
Stage3	9.15	1.51	
Stage3	8.75	0.72	
Stage3	8.35	0.23	
Stage3	7.95	0.02	
Stage3	7.55	-0.03	
Stage3	7.15	-0.01	
Stage3	6.75	0.01	
Stage3	6.35	0.02	
Stage3	5.95	0.02	
Stage3	5.55	0.02	
Stage3	5.15	0.02	
Stage3	4.75	0.02	
Stage3	4.35	0.02	
Stage3	3.95	0.02	
Stage3	3.55	0.02	
Stage3	3.15	0.02	
Stage3	2.75	0.02	
Stage3	2.35	0.02	
Stage3	1.95	0.02	
Stage3	1.55	0.02	
Stage3	1.15	0.02	
Stage3	0.75	0.02	
Stage3	0.35	0.02	
Stage3	-0.05	0.02	
Stage3	-0.45	0.02	
Stage3	-0.85	0.02	
Stage3	-1.25	0.02	
Stage3	-1.45	0.02	
Stage3	-1.85	0.02	
Stage3	-2.25	0.02	
Stage3	-2.65	0.02	
Stage3	-3.05	0.02	
Stage3	-3.45	0.02	
Stage3	-3.85	0.02	
Stage3	-4.25	0.02	

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage3	-4.65	0.02
Stage3	-5.05	0.02
Stage3	-5.45	0.02
Stage3	-5.85	0.02
Stage3	-6.25	0.02
Stage3	-6.65	0.02
Stage3	-7.05	0.02
Stage3	-7.45	0.02
Stage3	-7.85	0.02
Stage3	-8.25	0.02
Stage3	-8.65	0.02
Stage3	-9.05	0.02
Stage3	-9.45	0.02
Stage3	-9.85	0.02
Stage3	-10.25	0.02
Stage3	-10.65	0.02
Stage3	-11.05	0.02
Stage3	-11.45	0.02
Stage3	-11.85	0.02
Stage3	-12.25	0.02
Stage3	-12.65	0.02
Stage3	-13.05	0.02
Stage3	-13.45	0.02
Stage3	-13.85	0.02
Stage3	-14.25	0.02
Stage3	-14.65	0.02
Stage3	-15.05	0.02
Stage3	-15.45	0.02
Stage3	-15.85	0.01
Stage3	-16.25	0.01
Stage3	-16.65	0.01
Stage3	-17.05	0.01
Stage3	-17.3	0.01

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage3

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage3	15.7	0.66
Stage3	15.35	-0.37
Stage3	14.95	-1.56
Stage3	14.55	-2.7
Stage3	14.15	-3.77
Stage3	13.75	-4.74
Stage3	13.35	-5.55
Stage3	12.95	-6.18
Stage3	12.55	-6.59
Stage3	12.15	-6.77
Stage3	11.75	-6.69
Stage3	11.35	-6.36
Stage3	10.95	-5.79
Stage3	10.55	-5.01
Stage3	10.15	-4.06
Stage3	9.95	-3.55
Stage3	9.55	-2.5
Stage3	9.15	-1.51
Stage3	8.75	-0.72
Stage3	8.35	-0.23
Stage3	7.95	-0.02
Stage3	7.55	0.03
Stage3	7.15	0.01
Stage3	6.75	-0.01
Stage3	6.35	-0.02
Stage3	5.95	-0.02
Stage3	5.55	-0.02
Stage3	5.15	-0.02
Stage3	4.75	-0.02
Stage3	4.35	-0.02
Stage3	3.95	-0.02
Stage3	3.55	-0.02
Stage3	3.15	-0.02
Stage3	2.75	-0.02
Stage3	2.35	-0.02
Stage3	1.95	-0.02
Stage3	1.55	-0.02
Stage3	1.15	-0.02
Stage3	0.75	-0.02
Stage3	0.35	-0.02
Stage3	-0.05	-0.02
Stage3	-0.45	-0.02
Stage3	-0.85	-0.02
Stage3	-1.25	-0.02
Stage3	-1.45	-0.02
Stage3	-1.85	-0.02
Stage3	-2.25	-0.02
Stage3	-2.65	-0.02
Stage3	-3.05	-0.02
Stage3	-3.45	-0.02
Stage3	-3.85	-0.02
Stage3	-4.25	-0.02

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage3	-4.65	-0.02
Stage3	-5.05	-0.02
Stage3	-5.45	-0.02
Stage3	-5.85	-0.02
Stage3	-6.25	-0.02
Stage3	-6.65	-0.02
Stage3	-7.05	-0.02
Stage3	-7.45	-0.02
Stage3	-7.85	-0.02
Stage3	-8.25	-0.02
Stage3	-8.65	-0.02
Stage3	-9.05	-0.02
Stage3	-9.45	-0.02
Stage3	-9.85	-0.02
Stage3	-10.25	-0.02
Stage3	-10.65	-0.02
Stage3	-11.05	-0.02
Stage3	-11.45	-0.02
Stage3	-11.85	-0.02
Stage3	-12.25	-0.02
Stage3	-12.65	-0.02
Stage3	-13.05	-0.02
Stage3	-13.45	-0.02
Stage3	-13.85	-0.02
Stage3	-14.25	-0.02
Stage3	-14.65	-0.02
Stage3	-15.05	-0.02
Stage3	-15.45	-0.02
Stage3	-15.85	-0.01
Stage3	-16.25	-0.01
Stage3	-16.65	-0.01
Stage3	-17.05	-0.01
Stage3	-17.3	-0.01

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Tabella Spostamento Nominal - LEFT Stage: Stage4

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage4	15.7	-0.66	
Stage4	15.35	0.37	
Stage4	14.95	1.56	
Stage4	14.55	2.7	
Stage4	14.15	3.77	
Stage4	13.75	4.74	
Stage4	13.35	5.55	
Stage4	12.95	6.18	
Stage4	12.55	6.59	
Stage4	12.15	6.77	
Stage4	11.75	6.69	
Stage4	11.35	6.36	
Stage4	10.95	5.79	
Stage4	10.55	5.01	
Stage4	10.15	4.06	
Stage4	9.95	3.55	
Stage4	9.55	2.5	
Stage4	9.15	1.51	
Stage4	8.75	0.72	
Stage4	8.35	0.23	
Stage4	7.95	0.02	
Stage4	7.55	-0.03	
Stage4	7.15	-0.01	
Stage4	6.75	0.01	
Stage4	6.35	0.02	
Stage4	5.95	0.02	
Stage4	5.55	0.02	
Stage4	5.15	0.02	
Stage4	4.75	0.02	
Stage4	4.35	0.02	
Stage4	3.95	0.02	
Stage4	3.55	0.02	
Stage4	3.15	0.02	
Stage4	2.75	0.02	
Stage4	2.35	0.02	
Stage4	1.95	0.02	
Stage4	1.55	0.02	
Stage4	1.15	0.02	
Stage4	0.75	0.02	
Stage4	0.35	0.02	
Stage4	-0.05	0.02	
Stage4	-0.45	0.02	
Stage4	-0.85	0.02	
Stage4	-1.25	0.02	
Stage4	-1.45	0.02	
Stage4	-1.85	0.02	
Stage4	-2.25	0.02	
Stage4	-2.65	0.02	
Stage4	-3.05	0.02	
Stage4	-3.45	0.02	
Stage4	-3.85	0.02	
Stage4	-4.25	0.02	

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage4	-4.65	0.02
Stage4	-5.05	0.02
Stage4	-5.45	0.02
Stage4	-5.85	0.02
Stage4	-6.25	0.02
Stage4	-6.65	0.02
Stage4	-7.05	0.02
Stage4	-7.45	0.02
Stage4	-7.85	0.02
Stage4	-8.25	0.02
Stage4	-8.65	0.02
Stage4	-9.05	0.02
Stage4	-9.45	0.02
Stage4	-9.85	0.02
Stage4	-10.25	0.02
Stage4	-10.65	0.02
Stage4	-11.05	0.02
Stage4	-11.45	0.02
Stage4	-11.85	0.02
Stage4	-12.25	0.02
Stage4	-12.65	0.02
Stage4	-13.05	0.02
Stage4	-13.45	0.02
Stage4	-13.85	0.02
Stage4	-14.25	0.02
Stage4	-14.65	0.02
Stage4	-15.05	0.02
Stage4	-15.45	0.02
Stage4	-15.85	0.01
Stage4	-16.25	0.01
Stage4	-16.65	0.01
Stage4	-17.05	0.01
Stage4	-17.3	0.01

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Tabella Spostamento Nominal - RIGHT Stage: Stage4

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage4	15.7	0.66
Stage4	15.35	-0.37
Stage4	14.95	-1.56
Stage4	14.55	-2.7
Stage4	14.15	-3.77
Stage4	13.75	-4.74
Stage4	13.35	-5.55
Stage4	12.95	-6.18
Stage4	12.55	-6.59
Stage4	12.15	-6.77
Stage4	11.75	-6.69
Stage4	11.35	-6.36
Stage4	10.95	-5.79
Stage4	10.55	-5.01
Stage4	10.15	-4.06
Stage4	9.95	-3.55
Stage4	9.55	-2.5
Stage4	9.15	-1.51
Stage4	8.75	-0.72
Stage4	8.35	-0.23
Stage4	7.95	-0.02
Stage4	7.55	0.03
Stage4	7.15	0.01
Stage4	6.75	-0.01
Stage4	6.35	-0.02
Stage4	5.95	-0.02
Stage4	5.55	-0.02
Stage4	5.15	-0.02
Stage4	4.75	-0.02
Stage4	4.35	-0.02
Stage4	3.95	-0.02
Stage4	3.55	-0.02
Stage4	3.15	-0.02
Stage4	2.75	-0.02
Stage4	2.35	-0.02
Stage4	1.95	-0.02
Stage4	1.55	-0.02
Stage4	1.15	-0.02
Stage4	0.75	-0.02
Stage4	0.35	-0.02
Stage4	-0.05	-0.02
Stage4	-0.45	-0.02
Stage4	-0.85	-0.02
Stage4	-1.25	-0.02
Stage4	-1.45	-0.02
Stage4	-1.85	-0.02
Stage4	-2.25	-0.02
Stage4	-2.65	-0.02
Stage4	-3.05	-0.02
Stage4	-3.45	-0.02
Stage4	-3.85	-0.02
Stage4	-4.25	-0.02

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage4	-4.65	-0.02
Stage4	-5.05	-0.02
Stage4	-5.45	-0.02
Stage4	-5.85	-0.02
Stage4	-6.25	-0.02
Stage4	-6.65	-0.02
Stage4	-7.05	-0.02
Stage4	-7.45	-0.02
Stage4	-7.85	-0.02
Stage4	-8.25	-0.02
Stage4	-8.65	-0.02
Stage4	-9.05	-0.02
Stage4	-9.45	-0.02
Stage4	-9.85	-0.02
Stage4	-10.25	-0.02
Stage4	-10.65	-0.02
Stage4	-11.05	-0.02
Stage4	-11.45	-0.02
Stage4	-11.85	-0.02
Stage4	-12.25	-0.02
Stage4	-12.65	-0.02
Stage4	-13.05	-0.02
Stage4	-13.45	-0.02
Stage4	-13.85	-0.02
Stage4	-14.25	-0.02
Stage4	-14.65	-0.02
Stage4	-15.05	-0.02
Stage4	-15.45	-0.02
Stage4	-15.85	-0.01
Stage4	-16.25	-0.01
Stage4	-16.65	-0.01
Stage4	-17.05	-0.01
Stage4	-17.3	-0.01

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Tabella Spostamento Nominal - LEFT Stage: Stage5

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage5	15.7	-0.61	
Stage5	15.35	0.38	
Stage5	14.95	1.5	
Stage5	14.55	2.59	
Stage5	14.15	3.6	
Stage5	13.75	4.5	
Stage5	13.35	5.25	
Stage5	12.95	5.83	
Stage5	12.55	6.2	
Stage5	12.15	6.36	
Stage5	11.75	6.3	
Stage5	11.35	6.05	
Stage5	10.95	5.63	
Stage5	10.55	5.09	
Stage5	10.15	4.51	
Stage5	9.95	4.24	
Stage5	9.55	3.76	
Stage5	9.15	3.33	
Stage5	8.75	2.92	
Stage5	8.35	2.54	
Stage5	7.95	2.18	
Stage5	7.55	1.85	
Stage5	7.15	1.53	
Stage5	6.75	1.25	
Stage5	6.35	0.99	
Stage5	5.95	0.76	
Stage5	5.55	0.55	
Stage5	5.15	0.38	
Stage5	4.75	0.24	
Stage5	4.35	0.13	
Stage5	3.95	0.07	
Stage5	3.55	0.05	
Stage5	3.15	0.05	
Stage5	2.75	0.05	
Stage5	2.35	0.05	
Stage5	1.95	0.06	
Stage5	1.55	0.06	
Stage5	1.15	0.06	
Stage5	0.75	0.05	
Stage5	0.35	0.05	
Stage5	-0.05	0.05	
Stage5	-0.45	0.05	
Stage5	-0.85	0.05	
Stage5	-1.25	0.05	
Stage5	-1.45	0.05	
Stage5	-1.85	0.05	
Stage5	-2.25	0.05	
Stage5	-2.65	0.05	
Stage5	-3.05	0.05	
Stage5	-3.45	0.05	
Stage5	-3.85	0.05	
Stage5	-4.25	0.05	

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage5	-4.65	0.05	
Stage5	-5.05	0.05	
Stage5	-5.45	0.05	
Stage5	-5.85	0.05	
Stage5	-6.25	0.05	
Stage5	-6.65	0.05	
Stage5	-7.05	0.05	
Stage5	-7.45	0.05	
Stage5	-7.85	0.05	
Stage5	-8.25	0.05	
Stage5	-8.65	0.05	
Stage5	-9.05	0.05	
Stage5	-9.45	0.05	
Stage5	-9.85	0.05	
Stage5	-10.25	0.05	
Stage5	-10.65	0.05	
Stage5	-11.05	0.05	
Stage5	-11.45	0.05	
Stage5	-11.85	0.05	
Stage5	-12.25	0.05	
Stage5	-12.65	0.05	
Stage5	-13.05	0.05	
Stage5	-13.45	0.05	
Stage5	-13.85	0.05	
Stage5	-14.25	0.05	
Stage5	-14.65	0.04	
Stage5	-15.05	0.04	
Stage5	-15.45	0.04	
Stage5	-15.85	0.04	
Stage5	-16.25	0.04	
Stage5	-16.65	0.04	
Stage5	-17.05	0.04	
Stage5	-17.3	0.04	

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Tabella Spostamento Nominal - RIGHT Stage: Stage5

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage5	15.7	0.61
Stage5	15.35	-0.38
Stage5	14.95	-1.5
Stage5	14.55	-2.59
Stage5	14.15	-3.6
Stage5	13.75	-4.5
Stage5	13.35	-5.25
Stage5	12.95	-5.83
Stage5	12.55	-6.2
Stage5	12.15	-6.36
Stage5	11.75	-6.3
Stage5	11.35	-6.05
Stage5	10.95	-5.63
Stage5	10.55	-5.09
Stage5	10.15	-4.51
Stage5	9.95	-4.24
Stage5	9.55	-3.76
Stage5	9.15	-3.33
Stage5	8.75	-2.92
Stage5	8.35	-2.54
Stage5	7.95	-2.18
Stage5	7.55	-1.85
Stage5	7.15	-1.53
Stage5	6.75	-1.25
Stage5	6.35	-0.99
Stage5	5.95	-0.76
Stage5	5.55	-0.55
Stage5	5.15	-0.38
Stage5	4.75	-0.24
Stage5	4.35	-0.13
Stage5	3.95	-0.07
Stage5	3.55	-0.05
Stage5	3.15	-0.05
Stage5	2.75	-0.05
Stage5	2.35	-0.05
Stage5	1.95	-0.06
Stage5	1.55	-0.06
Stage5	1.15	-0.06
Stage5	0.75	-0.05
Stage5	0.35	-0.05
Stage5	-0.05	-0.05
Stage5	-0.45	-0.05
Stage5	-0.85	-0.05
Stage5	-1.25	-0.05
Stage5	-1.45	-0.05
Stage5	-1.85	-0.05
Stage5	-2.25	-0.05
Stage5	-2.65	-0.05
Stage5	-3.05	-0.05
Stage5	-3.45	-0.05
Stage5	-3.85	-0.05
Stage5	-4.25	-0.05

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage5	-4.65	-0.05
Stage5	-5.05	-0.05
Stage5	-5.45	-0.05
Stage5	-5.85	-0.05
Stage5	-6.25	-0.05
Stage5	-6.65	-0.05
Stage5	-7.05	-0.05
Stage5	-7.45	-0.05
Stage5	-7.85	-0.05
Stage5	-8.25	-0.05
Stage5	-8.65	-0.05
Stage5	-9.05	-0.05
Stage5	-9.45	-0.05
Stage5	-9.85	-0.05
Stage5	-10.25	-0.05
Stage5	-10.65	-0.05
Stage5	-11.05	-0.05
Stage5	-11.45	-0.05
Stage5	-11.85	-0.05
Stage5	-12.25	-0.05
Stage5	-12.65	-0.05
Stage5	-13.05	-0.05
Stage5	-13.45	-0.05
Stage5	-13.85	-0.05
Stage5	-14.25	-0.05
Stage5	-14.65	-0.04
Stage5	-15.05	-0.04
Stage5	-15.45	-0.04
Stage5	-15.85	-0.04
Stage5	-16.25	-0.04
Stage5	-16.65	-0.04
Stage5	-17.05	-0.04
Stage5	-17.3	-0.04

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Tabella Spostamento Nominal - LEFT Stage: Stage6

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage6	15.7	-0.61	
Stage6	15.35	0.38	
Stage6	14.95	1.5	
Stage6	14.55	2.59	
Stage6	14.15	3.6	
Stage6	13.75	4.5	
Stage6	13.35	5.25	
Stage6	12.95	5.83	
Stage6	12.55	6.2	
Stage6	12.15	6.36	
Stage6	11.75	6.3	
Stage6	11.35	6.05	
Stage6	10.95	5.63	
Stage6	10.55	5.09	
Stage6	10.15	4.51	
Stage6	9.95	4.24	
Stage6	9.55	3.76	
Stage6	9.15	3.33	
Stage6	8.75	2.92	
Stage6	8.35	2.54	
Stage6	7.95	2.18	
Stage6	7.55	1.85	
Stage6	7.15	1.53	
Stage6	6.75	1.25	
Stage6	6.35	0.99	
Stage6	5.95	0.76	
Stage6	5.55	0.55	
Stage6	5.15	0.38	
Stage6	4.75	0.24	
Stage6	4.35	0.13	
Stage6	3.95	0.07	
Stage6	3.55	0.05	
Stage6	3.15	0.05	
Stage6	2.75	0.05	
Stage6	2.35	0.05	
Stage6	1.95	0.06	
Stage6	1.55	0.06	
Stage6	1.15	0.06	
Stage6	0.75	0.05	
Stage6	0.35	0.05	
Stage6	-0.05	0.05	
Stage6	-0.45	0.05	
Stage6	-0.85	0.05	
Stage6	-1.25	0.05	
Stage6	-1.45	0.05	
Stage6	-1.85	0.05	
Stage6	-2.25	0.05	
Stage6	-2.65	0.05	
Stage6	-3.05	0.05	
Stage6	-3.45	0.05	
Stage6	-3.85	0.05	
Stage6	-4.25	0.05	

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage6	-4.65	0.05
Stage6	-5.05	0.05
Stage6	-5.45	0.05
Stage6	-5.85	0.05
Stage6	-6.25	0.05
Stage6	-6.65	0.05
Stage6	-7.05	0.05
Stage6	-7.45	0.05
Stage6	-7.85	0.05
Stage6	-8.25	0.05
Stage6	-8.65	0.05
Stage6	-9.05	0.05
Stage6	-9.45	0.05
Stage6	-9.85	0.05
Stage6	-10.25	0.05
Stage6	-10.65	0.05
Stage6	-11.05	0.05
Stage6	-11.45	0.05
Stage6	-11.85	0.05
Stage6	-12.25	0.05
Stage6	-12.65	0.05
Stage6	-13.05	0.05
Stage6	-13.45	0.05
Stage6	-13.85	0.05
Stage6	-14.25	0.05
Stage6	-14.65	0.04
Stage6	-15.05	0.04
Stage6	-15.45	0.04
Stage6	-15.85	0.04
Stage6	-16.25	0.04
Stage6	-16.65	0.04
Stage6	-17.05	0.04
Stage6	-17.3	0.04

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Tabella Spostamento Nominal - RIGHT Stage: Stage6

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage6	15.7	0.61
Stage6	15.35	-0.38
Stage6	14.95	-1.5
Stage6	14.55	-2.59
Stage6	14.15	-3.6
Stage6	13.75	-4.5
Stage6	13.35	-5.25
Stage6	12.95	-5.83
Stage6	12.55	-6.2
Stage6	12.15	-6.36
Stage6	11.75	-6.3
Stage6	11.35	-6.05
Stage6	10.95	-5.63
Stage6	10.55	-5.09
Stage6	10.15	-4.51
Stage6	9.95	-4.24
Stage6	9.55	-3.76
Stage6	9.15	-3.33
Stage6	8.75	-2.92
Stage6	8.35	-2.54
Stage6	7.95	-2.18
Stage6	7.55	-1.85
Stage6	7.15	-1.53
Stage6	6.75	-1.25
Stage6	6.35	-0.99
Stage6	5.95	-0.76
Stage6	5.55	-0.55
Stage6	5.15	-0.38
Stage6	4.75	-0.24
Stage6	4.35	-0.13
Stage6	3.95	-0.07
Stage6	3.55	-0.05
Stage6	3.15	-0.05
Stage6	2.75	-0.05
Stage6	2.35	-0.05
Stage6	1.95	-0.06
Stage6	1.55	-0.06
Stage6	1.15	-0.06
Stage6	0.75	-0.05
Stage6	0.35	-0.05
Stage6	-0.05	-0.05
Stage6	-0.45	-0.05
Stage6	-0.85	-0.05
Stage6	-1.25	-0.05
Stage6	-1.45	-0.05
Stage6	-1.85	-0.05
Stage6	-2.25	-0.05
Stage6	-2.65	-0.05
Stage6	-3.05	-0.05
Stage6	-3.45	-0.05
Stage6	-3.85	-0.05
Stage6	-4.25	-0.05

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage6	-4.65	-0.05
Stage6	-5.05	-0.05
Stage6	-5.45	-0.05
Stage6	-5.85	-0.05
Stage6	-6.25	-0.05
Stage6	-6.65	-0.05
Stage6	-7.05	-0.05
Stage6	-7.45	-0.05
Stage6	-7.85	-0.05
Stage6	-8.25	-0.05
Stage6	-8.65	-0.05
Stage6	-9.05	-0.05
Stage6	-9.45	-0.05
Stage6	-9.85	-0.05
Stage6	-10.25	-0.05
Stage6	-10.65	-0.05
Stage6	-11.05	-0.05
Stage6	-11.45	-0.05
Stage6	-11.85	-0.05
Stage6	-12.25	-0.05
Stage6	-12.65	-0.05
Stage6	-13.05	-0.05
Stage6	-13.45	-0.05
Stage6	-13.85	-0.05
Stage6	-14.25	-0.05
Stage6	-14.65	-0.04
Stage6	-15.05	-0.04
Stage6	-15.45	-0.04
Stage6	-15.85	-0.04
Stage6	-16.25	-0.04
Stage6	-16.65	-0.04
Stage6	-17.05	-0.04
Stage6	-17.3	-0.04

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - LEFT Stage: Stage7

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage7	15.7	-0.61	
Stage7	15.35	0.38	
Stage7	14.95	1.5	
Stage7	14.55	2.59	
Stage7	14.15	3.6	
Stage7	13.75	4.5	
Stage7	13.35	5.25	
Stage7	12.95	5.83	
Stage7	12.55	6.2	
Stage7	12.15	6.36	
Stage7	11.75	6.3	
Stage7	11.35	6.05	
Stage7	10.95	5.63	
Stage7	10.55	5.09	
Stage7	10.15	4.51	
Stage7	9.95	4.24	
Stage7	9.55	3.76	
Stage7	9.15	3.33	
Stage7	8.75	2.92	
Stage7	8.35	2.54	
Stage7	7.95	2.18	
Stage7	7.55	1.84	
Stage7	7.15	1.53	
Stage7	6.75	1.25	
Stage7	6.35	0.99	
Stage7	5.95	0.76	
Stage7	5.55	0.57	
Stage7	5.15	0.41	
Stage7	4.75	0.3	
Stage7	4.35	0.22	
Stage7	3.95	0.17	
Stage7	3.55	0.15	
Stage7	3.15	0.14	
Stage7	2.75	0.14	
Stage7	2.35	0.15	
Stage7	1.95	0.17	
Stage7	1.55	0.18	
Stage7	1.15	0.2	
Stage7	0.75	0.22	
Stage7	0.35	0.23	
Stage7	-0.05	0.24	
Stage7	-0.45	0.25	
Stage7	-0.85	0.25	
Stage7	-1.25	0.24	
Stage7	-1.45	0.23	
Stage7	-1.85	0.21	
Stage7	-2.25	0.18	
Stage7	-2.65	0.16	
Stage7	-3.05	0.14	
Stage7	-3.45	0.14	
Stage7	-3.85	0.13	
Stage7	-4.25	0.13	

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage7	-4.65	0.13
Stage7	-5.05	0.13
Stage7	-5.45	0.13
Stage7	-5.85	0.13
Stage7	-6.25	0.13
Stage7	-6.65	0.12
Stage7	-7.05	0.12
Stage7	-7.45	0.12
Stage7	-7.85	0.12
Stage7	-8.25	0.12
Stage7	-8.65	0.12
Stage7	-9.05	0.12
Stage7	-9.45	0.12
Stage7	-9.85	0.12
Stage7	-10.25	0.12
Stage7	-10.65	0.12
Stage7	-11.05	0.12
Stage7	-11.45	0.12
Stage7	-11.85	0.12
Stage7	-12.25	0.11
Stage7	-12.65	0.11
Stage7	-13.05	0.11
Stage7	-13.45	0.11
Stage7	-13.85	0.11
Stage7	-14.25	0.11
Stage7	-14.65	0.11
Stage7	-15.05	0.11
Stage7	-15.45	0.11
Stage7	-15.85	0.11
Stage7	-16.25	0.11
Stage7	-16.65	0.11
Stage7	-17.05	0.11
Stage7	-17.3	0.11

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Tabella Spostamento Nominal - RIGHT Stage: Stage7

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage7	15.7	0.61
Stage7	15.35	-0.38
Stage7	14.95	-1.5
Stage7	14.55	-2.59
Stage7	14.15	-3.6
Stage7	13.75	-4.5
Stage7	13.35	-5.25
Stage7	12.95	-5.83
Stage7	12.55	-6.2
Stage7	12.15	-6.36
Stage7	11.75	-6.3
Stage7	11.35	-6.05
Stage7	10.95	-5.63
Stage7	10.55	-5.09
Stage7	10.15	-4.51
Stage7	9.95	-4.24
Stage7	9.55	-3.76
Stage7	9.15	-3.33
Stage7	8.75	-2.92
Stage7	8.35	-2.54
Stage7	7.95	-2.18
Stage7	7.55	-1.84
Stage7	7.15	-1.53
Stage7	6.75	-1.25
Stage7	6.35	-0.99
Stage7	5.95	-0.76
Stage7	5.55	-0.57
Stage7	5.15	-0.41
Stage7	4.75	-0.3
Stage7	4.35	-0.22
Stage7	3.95	-0.17
Stage7	3.55	-0.15
Stage7	3.15	-0.14
Stage7	2.75	-0.14
Stage7	2.35	-0.15
Stage7	1.95	-0.17
Stage7	1.55	-0.18
Stage7	1.15	-0.2
Stage7	0.75	-0.22
Stage7	0.35	-0.23
Stage7	-0.05	-0.24
Stage7	-0.45	-0.25
Stage7	-0.85	-0.25
Stage7	-1.25	-0.24
Stage7	-1.45	-0.23
Stage7	-1.85	-0.21
Stage7	-2.25	-0.18
Stage7	-2.65	-0.16
Stage7	-3.05	-0.14
Stage7	-3.45	-0.14
Stage7	-3.85	-0.13
Stage7	-4.25	-0.13

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage7	-4.65	-0.13
Stage7	-5.05	-0.13
Stage7	-5.45	-0.13
Stage7	-5.85	-0.13
Stage7	-6.25	-0.13
Stage7	-6.65	-0.12
Stage7	-7.05	-0.12
Stage7	-7.45	-0.12
Stage7	-7.85	-0.12
Stage7	-8.25	-0.12
Stage7	-8.65	-0.12
Stage7	-9.05	-0.12
Stage7	-9.45	-0.12
Stage7	-9.85	-0.12
Stage7	-10.25	-0.12
Stage7	-10.65	-0.12
Stage7	-11.05	-0.12
Stage7	-11.45	-0.12
Stage7	-11.85	-0.12
Stage7	-12.25	-0.11
Stage7	-12.65	-0.11
Stage7	-13.05	-0.11
Stage7	-13.45	-0.11
Stage7	-13.85	-0.11
Stage7	-14.25	-0.11
Stage7	-14.65	-0.11
Stage7	-15.05	-0.11
Stage7	-15.45	-0.11
Stage7	-15.85	-0.11
Stage7	-16.25	-0.11
Stage7	-16.65	-0.11
Stage7	-17.05	-0.11
Stage7	-17.3	-0.11

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - LEFT Stage: Stage8

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage8	15.7	-0.61	
Stage8	15.35	0.38	
Stage8	14.95	1.5	
Stage8	14.55	2.59	
Stage8	14.15	3.6	
Stage8	13.75	4.5	
Stage8	13.35	5.25	
Stage8	12.95	5.83	
Stage8	12.55	6.2	
Stage8	12.15	6.36	
Stage8	11.75	6.3	
Stage8	11.35	6.05	
Stage8	10.95	5.63	
Stage8	10.55	5.09	
Stage8	10.15	4.51	
Stage8	9.95	4.24	
Stage8	9.55	3.76	
Stage8	9.15	3.33	
Stage8	8.75	2.92	
Stage8	8.35	2.54	
Stage8	7.95	2.18	
Stage8	7.55	1.84	
Stage8	7.15	1.53	
Stage8	6.75	1.25	
Stage8	6.35	0.99	
Stage8	5.95	0.76	
Stage8	5.55	0.57	
Stage8	5.15	0.41	
Stage8	4.75	0.3	
Stage8	4.35	0.22	
Stage8	3.95	0.17	
Stage8	3.55	0.15	
Stage8	3.15	0.14	
Stage8	2.75	0.14	
Stage8	2.35	0.15	
Stage8	1.95	0.17	
Stage8	1.55	0.18	
Stage8	1.15	0.2	
Stage8	0.75	0.22	
Stage8	0.35	0.23	
Stage8	-0.05	0.24	
Stage8	-0.45	0.25	
Stage8	-0.85	0.25	
Stage8	-1.25	0.24	
Stage8	-1.45	0.23	
Stage8	-1.85	0.21	
Stage8	-2.25	0.18	
Stage8	-2.65	0.16	
Stage8	-3.05	0.14	
Stage8	-3.45	0.14	
Stage8	-3.85	0.13	
Stage8	-4.25	0.13	

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage8	-4.65	0.13
Stage8	-5.05	0.13
Stage8	-5.45	0.13
Stage8	-5.85	0.13
Stage8	-6.25	0.13
Stage8	-6.65	0.12
Stage8	-7.05	0.12
Stage8	-7.45	0.12
Stage8	-7.85	0.12
Stage8	-8.25	0.12
Stage8	-8.65	0.12
Stage8	-9.05	0.12
Stage8	-9.45	0.12
Stage8	-9.85	0.12
Stage8	-10.25	0.12
Stage8	-10.65	0.12
Stage8	-11.05	0.12
Stage8	-11.45	0.12
Stage8	-11.85	0.12
Stage8	-12.25	0.11
Stage8	-12.65	0.11
Stage8	-13.05	0.11
Stage8	-13.45	0.11
Stage8	-13.85	0.11
Stage8	-14.25	0.11
Stage8	-14.65	0.11
Stage8	-15.05	0.11
Stage8	-15.45	0.11
Stage8	-15.85	0.11
Stage8	-16.25	0.11
Stage8	-16.65	0.11
Stage8	-17.05	0.11
Stage8	-17.3	0.11

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage8

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage8	15.7	0.61
Stage8	15.35	-0.38
Stage8	14.95	-1.5
Stage8	14.55	-2.59
Stage8	14.15	-3.6
Stage8	13.75	-4.5
Stage8	13.35	-5.25
Stage8	12.95	-5.83
Stage8	12.55	-6.2
Stage8	12.15	-6.36
Stage8	11.75	-6.3
Stage8	11.35	-6.05
Stage8	10.95	-5.63
Stage8	10.55	-5.09
Stage8	10.15	-4.51
Stage8	9.95	-4.24
Stage8	9.55	-3.76
Stage8	9.15	-3.33
Stage8	8.75	-2.92
Stage8	8.35	-2.54
Stage8	7.95	-2.18
Stage8	7.55	-1.84
Stage8	7.15	-1.53
Stage8	6.75	-1.25
Stage8	6.35	-0.99
Stage8	5.95	-0.76
Stage8	5.55	-0.57
Stage8	5.15	-0.41
Stage8	4.75	-0.3
Stage8	4.35	-0.22
Stage8	3.95	-0.17
Stage8	3.55	-0.15
Stage8	3.15	-0.14
Stage8	2.75	-0.14
Stage8	2.35	-0.15
Stage8	1.95	-0.17
Stage8	1.55	-0.18
Stage8	1.15	-0.2
Stage8	0.75	-0.22
Stage8	0.35	-0.23
Stage8	-0.05	-0.24
Stage8	-0.45	-0.25
Stage8	-0.85	-0.25
Stage8	-1.25	-0.24
Stage8	-1.45	-0.23
Stage8	-1.85	-0.21
Stage8	-2.25	-0.18
Stage8	-2.65	-0.16
Stage8	-3.05	-0.14
Stage8	-3.45	-0.14
Stage8	-3.85	-0.13
Stage8	-4.25	-0.13

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage8	-4.65	-0.13
Stage8	-5.05	-0.13
Stage8	-5.45	-0.13
Stage8	-5.85	-0.13
Stage8	-6.25	-0.13
Stage8	-6.65	-0.12
Stage8	-7.05	-0.12
Stage8	-7.45	-0.12
Stage8	-7.85	-0.12
Stage8	-8.25	-0.12
Stage8	-8.65	-0.12
Stage8	-9.05	-0.12
Stage8	-9.45	-0.12
Stage8	-9.85	-0.12
Stage8	-10.25	-0.12
Stage8	-10.65	-0.12
Stage8	-11.05	-0.12
Stage8	-11.45	-0.12
Stage8	-11.85	-0.12
Stage8	-12.25	-0.11
Stage8	-12.65	-0.11
Stage8	-13.05	-0.11
Stage8	-13.45	-0.11
Stage8	-13.85	-0.11
Stage8	-14.25	-0.11
Stage8	-14.65	-0.11
Stage8	-15.05	-0.11
Stage8	-15.45	-0.11
Stage8	-15.85	-0.11
Stage8	-16.25	-0.11
Stage8	-16.65	-0.11
Stage8	-17.05	-0.11
Stage8	-17.3	-0.11

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Tabella Spostamento Nominal - LEFT Stage: Stage9

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage9	15.7	-0.61	
Stage9	15.35	0.38	
Stage9	14.95	1.5	
Stage9	14.55	2.59	
Stage9	14.15	3.6	
Stage9	13.75	4.5	
Stage9	13.35	5.25	
Stage9	12.95	5.83	
Stage9	12.55	6.2	
Stage9	12.15	6.36	
Stage9	11.75	6.3	
Stage9	11.35	6.05	
Stage9	10.95	5.63	
Stage9	10.55	5.09	
Stage9	10.15	4.51	
Stage9	9.95	4.24	
Stage9	9.55	3.76	
Stage9	9.15	3.33	
Stage9	8.75	2.92	
Stage9	8.35	2.54	
Stage9	7.95	2.18	
Stage9	7.55	1.84	
Stage9	7.15	1.53	
Stage9	6.75	1.25	
Stage9	6.35	0.99	
Stage9	5.95	0.76	
Stage9	5.55	0.57	
Stage9	5.15	0.41	
Stage9	4.75	0.3	
Stage9	4.35	0.22	
Stage9	3.95	0.17	
Stage9	3.55	0.15	
Stage9	3.15	0.14	
Stage9	2.75	0.14	
Stage9	2.35	0.15	
Stage9	1.95	0.17	
Stage9	1.55	0.18	
Stage9	1.15	0.2	
Stage9	0.75	0.22	
Stage9	0.35	0.23	
Stage9	-0.05	0.24	
Stage9	-0.45	0.25	
Stage9	-0.85	0.25	
Stage9	-1.25	0.25	
Stage9	-1.45	0.25	
Stage9	-1.85	0.25	
Stage9	-2.25	0.24	
Stage9	-2.65	0.23	
Stage9	-3.05	0.22	
Stage9	-3.45	0.2	
Stage9	-3.85	0.17	
Stage9	-4.25	0.16	

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage9	-4.65	0.15
Stage9	-5.05	0.15
Stage9	-5.45	0.15
Stage9	-5.85	0.15
Stage9	-6.25	0.15
Stage9	-6.65	0.14
Stage9	-7.05	0.14
Stage9	-7.45	0.14
Stage9	-7.85	0.14
Stage9	-8.25	0.14
Stage9	-8.65	0.14
Stage9	-9.05	0.14
Stage9	-9.45	0.14
Stage9	-9.85	0.13
Stage9	-10.25	0.13
Stage9	-10.65	0.13
Stage9	-11.05	0.13
Stage9	-11.45	0.13
Stage9	-11.85	0.13
Stage9	-12.25	0.13
Stage9	-12.65	0.13
Stage9	-13.05	0.13
Stage9	-13.45	0.13
Stage9	-13.85	0.13
Stage9	-14.25	0.13
Stage9	-14.65	0.13
Stage9	-15.05	0.13
Stage9	-15.45	0.13
Stage9	-15.85	0.12
Stage9	-16.25	0.12
Stage9	-16.65	0.12
Stage9	-17.05	0.12
Stage9	-17.3	0.12

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage9

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage9	15.7	0.61
Stage9	15.35	-0.38
Stage9	14.95	-1.5
Stage9	14.55	-2.59
Stage9	14.15	-3.6
Stage9	13.75	-4.5
Stage9	13.35	-5.25
Stage9	12.95	-5.83
Stage9	12.55	-6.2
Stage9	12.15	-6.36
Stage9	11.75	-6.3
Stage9	11.35	-6.05
Stage9	10.95	-5.63
Stage9	10.55	-5.09
Stage9	10.15	-4.51
Stage9	9.95	-4.24
Stage9	9.55	-3.76
Stage9	9.15	-3.33
Stage9	8.75	-2.92
Stage9	8.35	-2.54
Stage9	7.95	-2.18
Stage9	7.55	-1.84
Stage9	7.15	-1.53
Stage9	6.75	-1.25
Stage9	6.35	-0.99
Stage9	5.95	-0.76
Stage9	5.55	-0.57
Stage9	5.15	-0.41
Stage9	4.75	-0.3
Stage9	4.35	-0.22
Stage9	3.95	-0.17
Stage9	3.55	-0.15
Stage9	3.15	-0.14
Stage9	2.75	-0.14
Stage9	2.35	-0.15
Stage9	1.95	-0.17
Stage9	1.55	-0.18
Stage9	1.15	-0.2
Stage9	0.75	-0.22
Stage9	0.35	-0.23
Stage9	-0.05	-0.24
Stage9	-0.45	-0.25
Stage9	-0.85	-0.25
Stage9	-1.25	-0.25
Stage9	-1.45	-0.25
Stage9	-1.85	-0.25
Stage9	-2.25	-0.24
Stage9	-2.65	-0.23
Stage9	-3.05	-0.22
Stage9	-3.45	-0.2
Stage9	-3.85	-0.17
Stage9	-4.25	-0.16

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage9	-4.65	-0.15
Stage9	-5.05	-0.15
Stage9	-5.45	-0.15
Stage9	-5.85	-0.15
Stage9	-6.25	-0.15
Stage9	-6.65	-0.14
Stage9	-7.05	-0.14
Stage9	-7.45	-0.14
Stage9	-7.85	-0.14
Stage9	-8.25	-0.14
Stage9	-8.65	-0.14
Stage9	-9.05	-0.14
Stage9	-9.45	-0.14
Stage9	-9.85	-0.13
Stage9	-10.25	-0.13
Stage9	-10.65	-0.13
Stage9	-11.05	-0.13
Stage9	-11.45	-0.13
Stage9	-11.85	-0.13
Stage9	-12.25	-0.13
Stage9	-12.65	-0.13
Stage9	-13.05	-0.13
Stage9	-13.45	-0.13
Stage9	-13.85	-0.13
Stage9	-14.25	-0.13
Stage9	-14.65	-0.13
Stage9	-15.05	-0.13
Stage9	-15.45	-0.13
Stage9	-15.85	-0.12
Stage9	-16.25	-0.12
Stage9	-16.65	-0.12
Stage9	-17.05	-0.12
Stage9	-17.3	-0.12

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Tabella Spostamento Nominal - LEFT Stage: Stage10

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage10	15.7	-0.61	
Stage10	15.35	0.38	
Stage10	14.95	1.5	
Stage10	14.55	2.59	
Stage10	14.15	3.6	
Stage10	13.75	4.5	
Stage10	13.35	5.25	
Stage10	12.95	5.83	
Stage10	12.55	6.2	
Stage10	12.15	6.36	
Stage10	11.75	6.3	
Stage10	11.35	6.05	
Stage10	10.95	5.63	
Stage10	10.55	5.09	
Stage10	10.15	4.51	
Stage10	9.95	4.24	
Stage10	9.55	3.76	
Stage10	9.15	3.33	
Stage10	8.75	2.92	
Stage10	8.35	2.54	
Stage10	7.95	2.18	
Stage10	7.55	1.84	
Stage10	7.15	1.53	
Stage10	6.75	1.25	
Stage10	6.35	0.99	
Stage10	5.95	0.76	
Stage10	5.55	0.57	
Stage10	5.15	0.41	
Stage10	4.75	0.3	
Stage10	4.35	0.22	
Stage10	3.95	0.17	
Stage10	3.55	0.15	
Stage10	3.15	0.14	
Stage10	2.75	0.14	
Stage10	2.35	0.15	
Stage10	1.95	0.17	
Stage10	1.55	0.18	
Stage10	1.15	0.2	
Stage10	0.75	0.22	
Stage10	0.35	0.23	
Stage10	-0.05	0.24	
Stage10	-0.45	0.25	
Stage10	-0.85	0.25	
Stage10	-1.25	0.25	
Stage10	-1.45	0.25	
Stage10	-1.85	0.26	
Stage10	-2.25	0.27	
Stage10	-2.65	0.28	
Stage10	-3.05	0.3	
Stage10	-3.45	0.32	
Stage10	-3.85	0.34	
Stage10	-4.25	0.36	

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage10	-4.65	0.37
Stage10	-5.05	0.39
Stage10	-5.45	0.4
Stage10	-5.85	0.41
Stage10	-6.25	0.41
Stage10	-6.65	0.4
Stage10	-7.05	0.39
Stage10	-7.45	0.37
Stage10	-7.85	0.34
Stage10	-8.25	0.3
Stage10	-8.65	0.25
Stage10	-9.05	0.22
Stage10	-9.45	0.2
Stage10	-9.85	0.2
Stage10	-10.25	0.19
Stage10	-10.65	0.19
Stage10	-11.05	0.19
Stage10	-11.45	0.19
Stage10	-11.85	0.19
Stage10	-12.25	0.19
Stage10	-12.65	0.19
Stage10	-13.05	0.18
Stage10	-13.45	0.18
Stage10	-13.85	0.18
Stage10	-14.25	0.18
Stage10	-14.65	0.18
Stage10	-15.05	0.18
Stage10	-15.45	0.18
Stage10	-15.85	0.17
Stage10	-16.25	0.17
Stage10	-16.65	0.17
Stage10	-17.05	0.17
Stage10	-17.3	0.17

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Tabella Spostamento Nominal - RIGHT Stage: Stage10

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage10	15.7	0.61
Stage10	15.35	-0.38
Stage10	14.95	-1.5
Stage10	14.55	-2.59
Stage10	14.15	-3.6
Stage10	13.75	-4.5
Stage10	13.35	-5.25
Stage10	12.95	-5.83
Stage10	12.55	-6.2
Stage10	12.15	-6.36
Stage10	11.75	-6.3
Stage10	11.35	-6.05
Stage10	10.95	-5.63
Stage10	10.55	-5.09
Stage10	10.15	-4.51
Stage10	9.95	-4.24
Stage10	9.55	-3.76
Stage10	9.15	-3.33
Stage10	8.75	-2.92
Stage10	8.35	-2.54
Stage10	7.95	-2.18
Stage10	7.55	-1.84
Stage10	7.15	-1.53
Stage10	6.75	-1.25
Stage10	6.35	-0.99
Stage10	5.95	-0.76
Stage10	5.55	-0.57
Stage10	5.15	-0.41
Stage10	4.75	-0.3
Stage10	4.35	-0.22
Stage10	3.95	-0.17
Stage10	3.55	-0.15
Stage10	3.15	-0.14
Stage10	2.75	-0.14
Stage10	2.35	-0.15
Stage10	1.95	-0.17
Stage10	1.55	-0.18
Stage10	1.15	-0.2
Stage10	0.75	-0.22
Stage10	0.35	-0.23
Stage10	-0.05	-0.24
Stage10	-0.45	-0.25
Stage10	-0.85	-0.25
Stage10	-1.25	-0.25
Stage10	-1.45	-0.25
Stage10	-1.85	-0.26
Stage10	-2.25	-0.27
Stage10	-2.65	-0.28
Stage10	-3.05	-0.3
Stage10	-3.45	-0.32
Stage10	-3.85	-0.34
Stage10	-4.25	-0.36

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage10	-4.65	-0.37
Stage10	-5.05	-0.39
Stage10	-5.45	-0.4
Stage10	-5.85	-0.41
Stage10	-6.25	-0.41
Stage10	-6.65	-0.4
Stage10	-7.05	-0.39
Stage10	-7.45	-0.37
Stage10	-7.85	-0.34
Stage10	-8.25	-0.3
Stage10	-8.65	-0.25
Stage10	-9.05	-0.22
Stage10	-9.45	-0.2
Stage10	-9.85	-0.2
Stage10	-10.25	-0.19
Stage10	-10.65	-0.19
Stage10	-11.05	-0.19
Stage10	-11.45	-0.19
Stage10	-11.85	-0.19
Stage10	-12.25	-0.19
Stage10	-12.65	-0.19
Stage10	-13.05	-0.18
Stage10	-13.45	-0.18
Stage10	-13.85	-0.18
Stage10	-14.25	-0.18
Stage10	-14.65	-0.18
Stage10	-15.05	-0.18
Stage10	-15.45	-0.18
Stage10	-15.85	-0.17
Stage10	-16.25	-0.17
Stage10	-16.65	-0.17
Stage10	-17.05	-0.17
Stage10	-17.3	-0.17

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Tabella Spostamento Nominal - LEFT Stage: Scavo NORM.

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT		
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	15.7	-0.61
Scavo NORM.	15.35	0.38
Scavo NORM.	14.95	1.5
Scavo NORM.	14.55	2.59
Scavo NORM.	14.15	3.6
Scavo NORM.	13.75	4.5
Scavo NORM.	13.35	5.25
Scavo NORM.	12.95	5.83
Scavo NORM.	12.55	6.2
Scavo NORM.	12.15	6.36
Scavo NORM.	11.75	6.3
Scavo NORM.	11.35	6.05
Scavo NORM.	10.95	5.63
Scavo NORM.	10.55	5.09
Scavo NORM.	10.15	4.51
Scavo NORM.	9.95	4.24
Scavo NORM.	9.55	3.76
Scavo NORM.	9.15	3.33
Scavo NORM.	8.75	2.92
Scavo NORM.	8.35	2.54
Scavo NORM.	7.95	2.18
Scavo NORM.	7.55	1.84
Scavo NORM.	7.15	1.53
Scavo NORM.	6.75	1.25
Scavo NORM.	6.35	0.99
Scavo NORM.	5.95	0.76
Scavo NORM.	5.55	0.57
Scavo NORM.	5.15	0.41
Scavo NORM.	4.75	0.3
Scavo NORM.	4.35	0.22
Scavo NORM.	3.95	0.17
Scavo NORM.	3.55	0.15
Scavo NORM.	3.15	0.14
Scavo NORM.	2.75	0.14
Scavo NORM.	2.35	0.15
Scavo NORM.	1.95	0.17
Scavo NORM.	1.55	0.18
Scavo NORM.	1.15	0.2
Scavo NORM.	0.75	0.22
Scavo NORM.	0.35	0.23
Scavo NORM.	-0.05	0.24
Scavo NORM.	-0.45	0.24
Scavo NORM.	-0.85	0.25
Scavo NORM.	-1.25	0.25
Scavo NORM.	-1.45	0.25
Scavo NORM.	-1.85	0.26
Scavo NORM.	-2.25	0.27
Scavo NORM.	-2.65	0.28
Scavo NORM.	-3.05	0.3
Scavo NORM.	-3.45	0.32
Scavo NORM.	-3.85	0.34
Scavo NORM.	-4.25	0.36

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Scavo NORM.	-4.65	0.37
Scavo NORM.	-5.05	0.39
Scavo NORM.	-5.45	0.4
Scavo NORM.	-5.85	0.41
Scavo NORM.	-6.25	0.41
Scavo NORM.	-6.65	0.41
Scavo NORM.	-7.05	0.4
Scavo NORM.	-7.45	0.39
Scavo NORM.	-7.85	0.37
Scavo NORM.	-8.25	0.34
Scavo NORM.	-8.65	0.3
Scavo NORM.	-9.05	0.26
Scavo NORM.	-9.45	0.23
Scavo NORM.	-9.85	0.21
Scavo NORM.	-10.25	0.2
Scavo NORM.	-10.65	0.2
Scavo NORM.	-11.05	0.2
Scavo NORM.	-11.45	0.2
Scavo NORM.	-11.85	0.2
Scavo NORM.	-12.25	0.19
Scavo NORM.	-12.65	0.19
Scavo NORM.	-13.05	0.19
Scavo NORM.	-13.45	0.19
Scavo NORM.	-13.85	0.19
Scavo NORM.	-14.25	0.19
Scavo NORM.	-14.65	0.18
Scavo NORM.	-15.05	0.18
Scavo NORM.	-15.45	0.18
Scavo NORM.	-15.85	0.18
Scavo NORM.	-16.25	0.18
Scavo NORM.	-16.65	0.18
Scavo NORM.	-17.05	0.18
Scavo NORM.	-17.3	0.18

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Tabella Spostamento Nominal - RIGHT Stage: Scavo NORM.

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	15.7	0.61
Scavo NORM.	15.35	-0.38
Scavo NORM.	14.95	-1.5
Scavo NORM.	14.55	-2.59
Scavo NORM.	14.15	-3.6
Scavo NORM.	13.75	-4.5
Scavo NORM.	13.35	-5.25
Scavo NORM.	12.95	-5.83
Scavo NORM.	12.55	-6.2
Scavo NORM.	12.15	-6.36
Scavo NORM.	11.75	-6.3
Scavo NORM.	11.35	-6.05
Scavo NORM.	10.95	-5.63
Scavo NORM.	10.55	-5.09
Scavo NORM.	10.15	-4.51
Scavo NORM.	9.95	-4.24
Scavo NORM.	9.55	-3.76
Scavo NORM.	9.15	-3.33
Scavo NORM.	8.75	-2.92
Scavo NORM.	8.35	-2.54
Scavo NORM.	7.95	-2.18
Scavo NORM.	7.55	-1.84
Scavo NORM.	7.15	-1.53
Scavo NORM.	6.75	-1.25
Scavo NORM.	6.35	-0.99
Scavo NORM.	5.95	-0.76
Scavo NORM.	5.55	-0.57
Scavo NORM.	5.15	-0.41
Scavo NORM.	4.75	-0.3
Scavo NORM.	4.35	-0.22
Scavo NORM.	3.95	-0.17
Scavo NORM.	3.55	-0.15
Scavo NORM.	3.15	-0.14
Scavo NORM.	2.75	-0.14
Scavo NORM.	2.35	-0.15
Scavo NORM.	1.95	-0.17
Scavo NORM.	1.55	-0.18
Scavo NORM.	1.15	-0.2
Scavo NORM.	0.75	-0.22
Scavo NORM.	0.35	-0.23
Scavo NORM.	-0.05	-0.24
Scavo NORM.	-0.45	-0.24
Scavo NORM.	-0.85	-0.25
Scavo NORM.	-1.25	-0.25
Scavo NORM.	-1.45	-0.25
Scavo NORM.	-1.85	-0.26
Scavo NORM.	-2.25	-0.27
Scavo NORM.	-2.65	-0.28
Scavo NORM.	-3.05	-0.3
Scavo NORM.	-3.45	-0.32
Scavo NORM.	-3.85	-0.34
Scavo NORM.	-4.25	-0.36

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Scavo NORM.	-4.65	-0.37
Scavo NORM.	-5.05	-0.39
Scavo NORM.	-5.45	-0.4
Scavo NORM.	-5.85	-0.41
Scavo NORM.	-6.25	-0.41
Scavo NORM.	-6.65	-0.41
Scavo NORM.	-7.05	-0.4
Scavo NORM.	-7.45	-0.39
Scavo NORM.	-7.85	-0.37
Scavo NORM.	-8.25	-0.34
Scavo NORM.	-8.65	-0.3
Scavo NORM.	-9.05	-0.26
Scavo NORM.	-9.45	-0.23
Scavo NORM.	-9.85	-0.21
Scavo NORM.	-10.25	-0.2
Scavo NORM.	-10.65	-0.2
Scavo NORM.	-11.05	-0.2
Scavo NORM.	-11.45	-0.2
Scavo NORM.	-11.85	-0.2
Scavo NORM.	-12.25	-0.19
Scavo NORM.	-12.65	-0.19
Scavo NORM.	-13.05	-0.19
Scavo NORM.	-13.45	-0.19
Scavo NORM.	-13.85	-0.19
Scavo NORM.	-14.25	-0.19
Scavo NORM.	-14.65	-0.18
Scavo NORM.	-15.05	-0.18
Scavo NORM.	-15.45	-0.18
Scavo NORM.	-15.85	-0.18
Scavo NORM.	-16.25	-0.18
Scavo NORM.	-16.65	-0.18
Scavo NORM.	-17.05	-0.18
Scavo NORM.	-17.3	-0.18

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Tabella Spostamento Nominal - LEFT Stage: Sisma

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Sisma	15.7	1.01	
Sisma	15.35	2.15	
Sisma	14.95	3.44	
Sisma	14.55	4.68	
Sisma	14.15	5.8	
Sisma	13.75	6.75	
Sisma	13.35	7.51	
Sisma	12.95	8.04	
Sisma	12.55	8.32	
Sisma	12.15	8.36	
Sisma	11.75	8.15	
Sisma	11.35	7.74	
Sisma	10.95	7.16	
Sisma	10.55	6.49	
Sisma	10.15	5.83	
Sisma	9.95	5.54	
Sisma	9.55	5.09	
Sisma	9.15	4.74	
Sisma	8.75	4.43	
Sisma	8.35	4.12	
Sisma	7.95	3.8	
Sisma	7.55	3.45	
Sisma	7.15	3.07	
Sisma	6.75	2.66	
Sisma	6.35	2.26	
Sisma	5.95	1.9	
Sisma	5.55	1.62	
Sisma	5.15	1.48	
Sisma	4.75	1.51	
Sisma	4.35	1.67	
Sisma	3.95	1.9	
Sisma	3.55	2.16	
Sisma	3.15	2.39	
Sisma	2.75	2.58	
Sisma	2.35	2.69	
Sisma	1.95	2.72	
Sisma	1.55	2.66	
Sisma	1.15	2.52	
Sisma	0.75	2.31	
Sisma	0.35	2.06	
Sisma	-0.05	1.81	
Sisma	-0.45	1.61	
Sisma	-0.85	1.51	
Sisma	-1.25	1.58	
Sisma	-1.45	1.69	
Sisma	-1.85	2.12	
Sisma	-2.25	2.74	
Sisma	-2.65	3.47	
Sisma	-3.05	4.22	
Sisma	-3.45	4.94	
Sisma	-3.85	5.57	
Sisma	-4.25	6.06	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Sisma	-4.65	6.38
Sisma	-5.05	6.52
Sisma	-5.45	6.47
Sisma	-5.85	6.23
Sisma	-6.25	5.81
Sisma	-6.65	5.23
Sisma	-7.05	4.53
Sisma	-7.45	3.73
Sisma	-7.85	2.89
Sisma	-8.25	2.06
Sisma	-8.65	1.32
Sisma	-9.05	0.72
Sisma	-9.45	0.36
Sisma	-9.85	0.2
Sisma	-10.25	0.16
Sisma	-10.65	0.17
Sisma	-11.05	0.19
Sisma	-11.45	0.21
Sisma	-11.85	0.21
Sisma	-12.25	0.21
Sisma	-12.65	0.21
Sisma	-13.05	0.21
Sisma	-13.45	0.21
Sisma	-13.85	0.2
Sisma	-14.25	0.2
Sisma	-14.65	0.2
Sisma	-15.05	0.2
Sisma	-15.45	0.2
Sisma	-15.85	0.2
Sisma	-16.25	0.2
Sisma	-16.65	0.19
Sisma	-17.05	0.19
Sisma	-17.3	0.19

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Sisma

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Sisma	15.7	2.34
Sisma	15.35	1.16
Sisma	14.95	-0.17
Sisma	14.55	-1.46
Sisma	14.15	-2.64
Sisma	13.75	-3.68
Sisma	13.35	-4.52
Sisma	12.95	-5.15
Sisma	12.55	-5.54
Sisma	12.15	-5.69
Sisma	11.75	-5.6
Sisma	11.35	-5.3
Sisma	10.95	-4.85
Sisma	10.55	-4.31
Sisma	10.15	-3.78
Sisma	9.95	-3.55
Sisma	9.55	-3.22
Sisma	9.15	-2.99
Sisma	8.75	-2.77
Sisma	8.35	-2.52
Sisma	7.95	-2.24
Sisma	7.55	-1.94
Sisma	7.15	-1.62
Sisma	6.75	-1.31
Sisma	6.35	-1.01
Sisma	5.95	-0.73
Sisma	5.55	-0.49
Sisma	5.15	-0.31
Sisma	4.75	-0.21
Sisma	4.35	-0.17
Sisma	3.95	-0.16
Sisma	3.55	-0.15
Sisma	3.15	-0.16
Sisma	2.75	-0.18
Sisma	2.35	-0.2
Sisma	1.95	-0.22
Sisma	1.55	-0.24
Sisma	1.15	-0.25
Sisma	0.75	-0.26
Sisma	0.35	-0.25
Sisma	-0.05	-0.24
Sisma	-0.45	-0.2
Sisma	-0.85	-0.16
Sisma	-1.25	-0.11
Sisma	-1.45	-0.11
Sisma	-1.85	-0.14
Sisma	-2.25	-0.21
Sisma	-2.65	-0.27
Sisma	-3.05	-0.33
Sisma	-3.45	-0.37
Sisma	-3.85	-0.41
Sisma	-4.25	-0.45

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

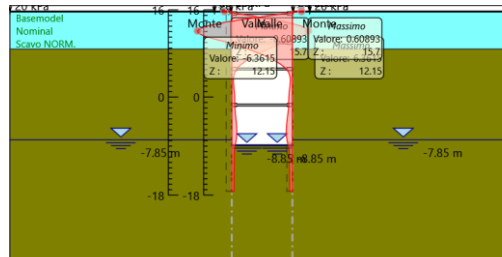
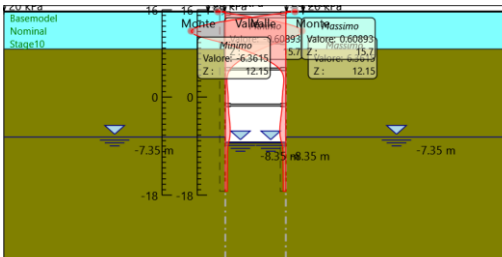
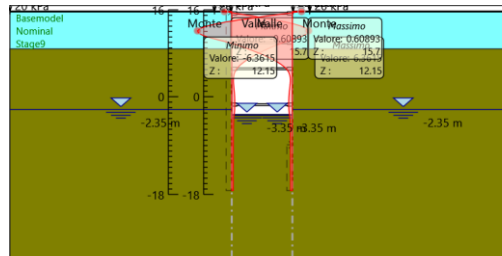
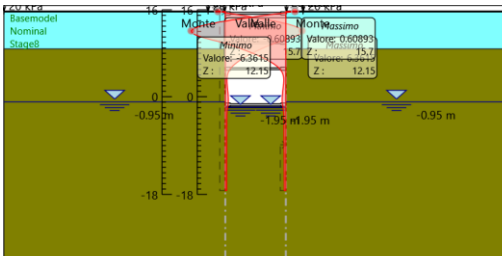
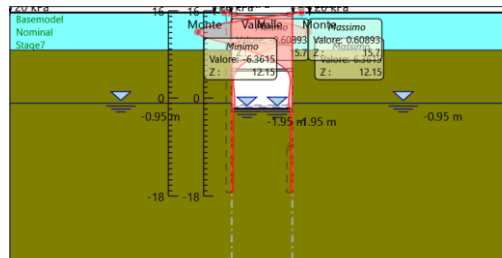
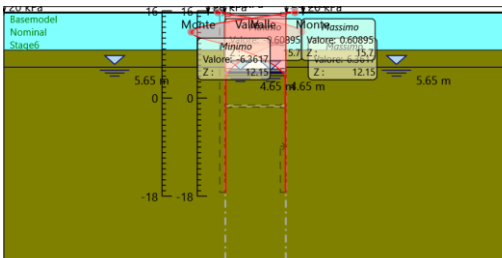
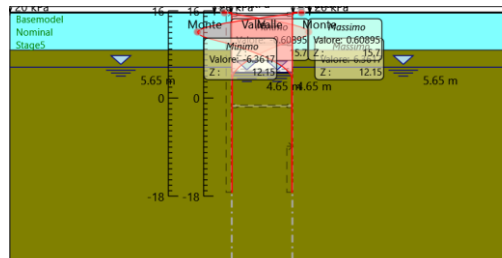
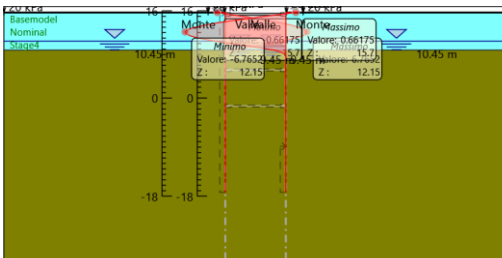
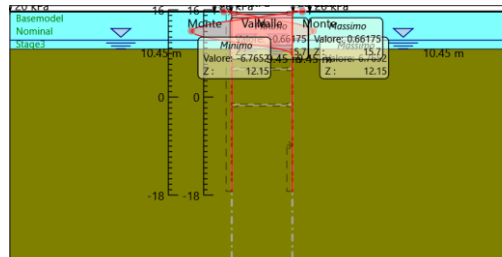
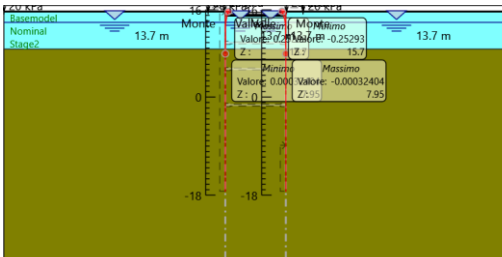
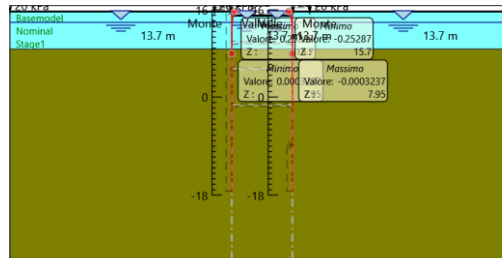
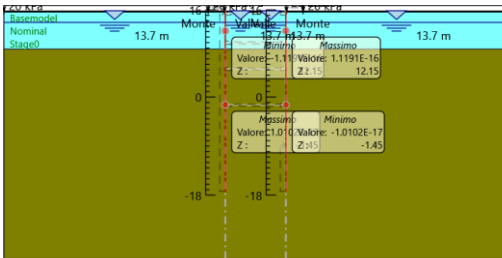
Stage	Z (m)	Spostamento (mm)
Sisma	-4.65	-0.47
Sisma	-5.05	-0.49
Sisma	-5.45	-0.49
Sisma	-5.85	-0.5
Sisma	-6.25	-0.49
Sisma	-6.65	-0.48
Sisma	-7.05	-0.45
Sisma	-7.45	-0.43
Sisma	-7.85	-0.39
Sisma	-8.25	-0.35
Sisma	-8.65	-0.3
Sisma	-9.05	-0.25
Sisma	-9.45	-0.21
Sisma	-9.85	-0.19
Sisma	-10.25	-0.18
Sisma	-10.65	-0.18
Sisma	-11.05	-0.18
Sisma	-11.45	-0.18
Sisma	-11.85	-0.18
Sisma	-12.25	-0.18
Sisma	-12.65	-0.17
Sisma	-13.05	-0.17
Sisma	-13.45	-0.17
Sisma	-13.85	-0.17
Sisma	-14.25	-0.17
Sisma	-14.65	-0.17
Sisma	-15.05	-0.16
Sisma	-15.45	-0.16
Sisma	-15.85	-0.16
Sisma	-16.25	-0.16
Sisma	-16.65	-0.16
Sisma	-17.05	-0.16
Sisma	-17.3	-0.16

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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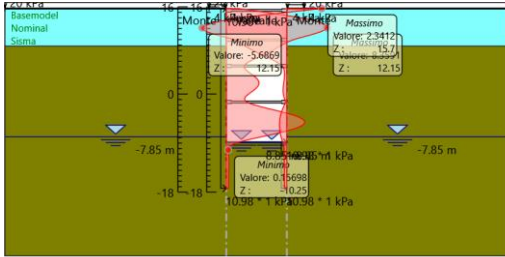
Grafici Spostamento in tabella



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Risultati Paratia

Tabella Risultati Paratia Nominal - Stage: Stage0

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	15.7	0	0
Stage0	15.35	0	0
Stage0	14.95	0	0
Stage0	14.55	0	0
Stage0	14.15	0	0
Stage0	13.75	0	0
Stage0	13.35	0	0
Stage0	12.95	0	0
Stage0	12.55	0	0
Stage0	12.15	0	0
Stage0	11.75	0	0
Stage0	11.35	0	0
Stage0	10.95	0	0
Stage0	10.55	0	0
Stage0	10.15	0	0
Stage0	9.95	0	0
Stage0	9.55	0	0
Stage0	9.15	0	0
Stage0	8.75	0	0
Stage0	8.35	0	0
Stage0	7.95	0	0
Stage0	7.55	0	0
Stage0	7.15	0	0
Stage0	6.75	0	0
Stage0	6.35	0	0
Stage0	5.95	0	0
Stage0	5.55	0	0
Stage0	5.15	0	0
Stage0	4.75	0	0
Stage0	4.35	0	0
Stage0	3.95	0	0
Stage0	3.55	0	0
Stage0	3.15	0	0
Stage0	2.75	0	0
Stage0	2.35	0	0
Stage0	1.95	0	0
Stage0	1.55	0	0
Stage0	1.15	0	0
Stage0	0.75	0	0
Stage0	0.35	0	0
Stage0	-0.05	0	0
Stage0	-0.45	0	0
Stage0	-0.85	0	0
Stage0	-1.25	0	0
Stage0	-1.45	0	0
Stage0	-1.85	0	0
Stage0	-2.25	0	0
Stage0	-2.65	0	0
Stage0	-3.05	0	0
Stage0	-3.45	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia
Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	-3.85	0	0
Stage0	-4.25	0	0
Stage0	-4.65	0	0
Stage0	-5.05	0	0
Stage0	-5.45	0	0
Stage0	-5.85	0	0
Stage0	-6.25	0	0
Stage0	-6.65	0	0
Stage0	-7.05	0	0
Stage0	-7.45	0	0
Stage0	-7.85	0	0
Stage0	-8.25	0	0
Stage0	-8.65	0	0
Stage0	-9.05	0	0
Stage0	-9.45	0	0
Stage0	-9.85	0	0
Stage0	-10.25	0	0
Stage0	-10.65	0	0
Stage0	-11.05	0	0
Stage0	-11.45	0	0
Stage0	-11.85	0	0
Stage0	-12.25	0	0
Stage0	-12.65	0	0
Stage0	-13.05	0	0
Stage0	-13.45	0	0
Stage0	-13.85	0	0
Stage0	-14.25	0	0
Stage0	-14.65	0	0
Stage0	-15.05	0	0
Stage0	-15.45	0	0
Stage0	-15.85	0	0
Stage0	-16.25	0	0
Stage0	-16.65	0	0
Stage0	-17.05	0	0
Stage0	-17.3	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Risultati Paratia Nominal - Stage: Stage0

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	15.7	0	0
Stage0	15.35	0	0
Stage0	14.95	0	0
Stage0	14.55	0	0
Stage0	14.15	0	0
Stage0	13.75	0	0
Stage0	13.35	0	0
Stage0	12.95	0	0
Stage0	12.55	0	0
Stage0	12.15	0	0
Stage0	11.75	0	0
Stage0	11.35	0	0
Stage0	10.95	0	0
Stage0	10.55	0	0
Stage0	10.15	0	0
Stage0	9.95	0	0
Stage0	9.55	0	0
Stage0	9.15	0	0
Stage0	8.75	0	0
Stage0	8.35	0	0
Stage0	7.95	0	0
Stage0	7.55	0	0
Stage0	7.15	0	0
Stage0	6.75	0	0
Stage0	6.35	0	0
Stage0	5.95	0	0
Stage0	5.55	0	0
Stage0	5.15	0	0
Stage0	4.75	0	0
Stage0	4.35	0	0
Stage0	3.95	0	0
Stage0	3.55	0	0
Stage0	3.15	0	0
Stage0	2.75	0	0
Stage0	2.35	0	0
Stage0	1.95	0	0
Stage0	1.55	0	0
Stage0	1.15	0	0
Stage0	0.75	0	0
Stage0	0.35	0	0
Stage0	-0.05	0	0
Stage0	-0.45	0	0
Stage0	-0.85	0	0
Stage0	-1.25	0	0
Stage0	-1.45	0	0
Stage0	-1.85	0	0
Stage0	-2.25	0	0
Stage0	-2.65	0	0
Stage0	-3.05	0	0
Stage0	-3.45	0	0
Stage0	-3.85	0	0
Stage0	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	-4.65	0	0
Stage0	-5.05	0	0
Stage0	-5.45	0	0
Stage0	-5.85	0	0
Stage0	-6.25	0	0
Stage0	-6.65	0	0
Stage0	-7.05	0	0
Stage0	-7.45	0	0
Stage0	-7.85	0	0
Stage0	-8.25	0	0
Stage0	-8.65	0	0
Stage0	-9.05	0	0
Stage0	-9.45	0	0
Stage0	-9.85	0	0
Stage0	-10.25	0	0
Stage0	-10.65	0	0
Stage0	-11.05	0	0
Stage0	-11.45	0	0
Stage0	-11.85	0	0
Stage0	-12.25	0	0
Stage0	-12.65	0	0
Stage0	-13.05	0	0
Stage0	-13.45	0	0
Stage0	-13.85	0	0
Stage0	-14.25	0	0
Stage0	-14.65	0	0
Stage0	-15.05	0	0
Stage0	-15.45	0	0
Stage0	-15.85	0	0
Stage0	-16.25	0	0
Stage0	-16.65	0	0
Stage0	-17.05	0	0
Stage0	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Risultati Paratia Nominal - Stage: Stage1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	15.7	0	0
Stage1	15.35	0	0
Stage1	15.35	0	0
Stage1	14.95	-1.14	-2.86
Stage1	14.55	-2.04	-2.25
Stage1	14.15	-2.18	-0.35
Stage1	13.75	-1.9	0.71
Stage1	13.35	-1.44	1.15
Stage1	12.95	-0.97	1.19
Stage1	12.55	-0.55	1.04
Stage1	12.15	-0.23	0.81
Stage1	11.75	0.01	0.59
Stage1	11.35	0.17	0.41
Stage1	10.95	0.28	0.27
Stage1	10.55	0.34	0.15
Stage1	10.15	0.34	0
Stage1	9.95	0.31	-0.16
Stage1	9.55	0.16	-0.37
Stage1	9.15	-0.15	-0.77
Stage1	8.75	-0.68	-1.33
Stage1	8.35	-0.35	0.82
Stage1	7.95	-0.07	0.69
Stage1	7.55	0.02	0.24
Stage1	7.15	0.03	0.01
Stage1	6.75	0.01	-0.04
Stage1	6.35	0	-0.02
Stage1	5.95	0	-0.01
Stage1	5.55	0	0
Stage1	5.15	0	0
Stage1	4.75	0	0
Stage1	4.35	0	0
Stage1	3.95	0	0
Stage1	3.55	0	0
Stage1	3.15	0	0
Stage1	2.75	0	0
Stage1	2.35	0	0
Stage1	1.95	0	0
Stage1	1.55	0	0
Stage1	1.15	0	0
Stage1	0.75	0	0
Stage1	0.35	0	0
Stage1	-0.05	0	0
Stage1	-0.45	0	0
Stage1	-0.85	0	0
Stage1	-1.25	0	0
Stage1	-1.45	0	0
Stage1	-1.85	0	0
Stage1	-2.25	0	0
Stage1	-2.65	0	0
Stage1	-3.05	0	0
Stage1	-3.45	0	0
Stage1	-3.85	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	-4.25	0	0
Stage1	-4.65	0	0
Stage1	-5.05	0	0
Stage1	-5.45	0	0
Stage1	-5.85	0	0
Stage1	-6.25	0	0
Stage1	-6.65	0	0
Stage1	-7.05	0	0
Stage1	-7.45	0	0
Stage1	-7.85	0	0
Stage1	-8.25	0	0
Stage1	-8.65	0	0
Stage1	-9.05	0	0
Stage1	-9.45	0	0
Stage1	-9.85	0	0
Stage1	-10.25	0	0
Stage1	-10.65	0	0
Stage1	-11.05	0	0
Stage1	-11.45	0	0
Stage1	-11.85	0	0
Stage1	-12.25	0	0
Stage1	-12.65	0	0
Stage1	-13.05	0	0
Stage1	-13.45	0	0
Stage1	-13.85	0	0
Stage1	-14.25	0	0
Stage1	-14.65	0	0
Stage1	-15.05	0	0
Stage1	-15.45	0	0
Stage1	-15.85	0	0
Stage1	-16.25	0	0
Stage1	-16.65	0	0
Stage1	-17.05	0	0
Stage1	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage1

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	15.7	0	0
Stage1	15.35	0	0
Stage1	15.35	0	0
Stage1	14.95	1.14	2.86
Stage1	14.55	2.04	2.25
Stage1	14.15	2.18	0.35
Stage1	13.75	1.9	-0.71
Stage1	13.35	1.44	-1.15
Stage1	12.95	0.97	-1.19
Stage1	12.55	0.55	-1.04
Stage1	12.15	0.23	-0.81
Stage1	11.75	-0.01	-0.59
Stage1	11.35	-0.17	-0.41
Stage1	10.95	-0.28	-0.27
Stage1	10.55	-0.34	-0.15
Stage1	10.15	-0.34	0
Stage1	9.95	-0.31	0.16
Stage1	9.55	-0.16	0.37
Stage1	9.15	0.15	0.77
Stage1	8.75	0.68	1.33
Stage1	8.35	0.35	-0.82
Stage1	7.95	0.07	-0.69
Stage1	7.55	-0.02	-0.24
Stage1	7.15	-0.03	-0.01
Stage1	6.75	-0.01	0.04
Stage1	6.35	0	0.02
Stage1	5.95	0	0.01
Stage1	5.55	0	0
Stage1	5.15	0	0
Stage1	4.75	0	0
Stage1	4.35	0	0
Stage1	3.95	0	0
Stage1	3.55	0	0
Stage1	3.15	0	0
Stage1	2.75	0	0
Stage1	2.35	0	0
Stage1	1.95	0	0
Stage1	1.55	0	0
Stage1	1.15	0	0
Stage1	0.75	0	0
Stage1	0.35	0	0
Stage1	-0.05	0	0
Stage1	-0.45	0	0
Stage1	-0.85	0	0
Stage1	-1.25	0	0
Stage1	-1.45	0	0
Stage1	-1.85	0	0
Stage1	-2.25	0	0
Stage1	-2.65	0	0
Stage1	-3.05	0	0
Stage1	-3.45	0	0
Stage1	-3.85	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	-4.25	0	0
Stage1	-4.65	0	0
Stage1	-5.05	0	0
Stage1	-5.45	0	0
Stage1	-5.85	0	0
Stage1	-6.25	0	0
Stage1	-6.65	0	0
Stage1	-7.05	0	0
Stage1	-7.45	0	0
Stage1	-7.85	0	0
Stage1	-8.25	0	0
Stage1	-8.65	0	0
Stage1	-9.05	0	0
Stage1	-9.45	0	0
Stage1	-9.85	0	0
Stage1	-10.25	0	0
Stage1	-10.65	0	0
Stage1	-11.05	0	0
Stage1	-11.45	0	0
Stage1	-11.85	0	0
Stage1	-12.25	0	0
Stage1	-12.65	0	0
Stage1	-13.05	0	0
Stage1	-13.45	0	0
Stage1	-13.85	0	0
Stage1	-14.25	0	0
Stage1	-14.65	0	0
Stage1	-15.05	0	0
Stage1	-15.45	0	0
Stage1	-15.85	0	0
Stage1	-16.25	0	0
Stage1	-16.65	0	0
Stage1	-17.05	0	0
Stage1	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage2

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	15.7	0	0
Stage2	15.35	0	0
Stage2	15.35	0	0
Stage2	14.95	-1.13	-2.82
Stage2	14.55	-2.01	-2.2
Stage2	14.15	-2.17	-0.4
Stage2	13.75	-1.9	0.68
Stage2	13.35	-1.45	1.13
Stage2	12.95	-0.97	1.18
Stage2	12.55	-0.56	1.03
Stage2	12.15	-0.23	0.81
Stage2	11.75	0	0.59
Stage2	11.35	0.17	0.42
Stage2	10.95	0.28	0.28
Stage2	10.55	0.34	0.15
Stage2	10.15	0.34	0
Stage2	9.95	0.31	-0.16
Stage2	9.55	0.16	-0.37
Stage2	9.15	-0.15	-0.77
Stage2	8.75	-0.68	-1.33
Stage2	8.35	-0.35	0.82
Stage2	7.95	-0.07	0.69
Stage2	7.55	0.02	0.24
Stage2	7.15	0.03	0.01
Stage2	6.75	0.01	-0.04
Stage2	6.35	0	-0.02
Stage2	5.95	0	-0.01
Stage2	5.55	0	0
Stage2	5.15	0	0
Stage2	4.75	0	0
Stage2	4.35	0	0
Stage2	3.95	0	0
Stage2	3.55	0	0
Stage2	3.15	0	0
Stage2	2.75	0	0
Stage2	2.35	0	0
Stage2	1.95	0	0
Stage2	1.55	0	0
Stage2	1.15	0	0
Stage2	0.75	0	0
Stage2	0.35	0	0
Stage2	-0.05	0	0
Stage2	-0.45	0	0
Stage2	-0.85	0	0
Stage2	-1.25	0	0
Stage2	-1.45	0	0
Stage2	-1.85	0	0
Stage2	-2.25	0	0
Stage2	-2.65	0	0
Stage2	-3.05	0	0
Stage2	-3.45	0	0
Stage2	-3.85	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	-4.25	0	0
Stage2	-4.65	0	0
Stage2	-5.05	0	0
Stage2	-5.45	0	0
Stage2	-5.85	0	0
Stage2	-6.25	0	0
Stage2	-6.65	0	0
Stage2	-7.05	0	0
Stage2	-7.45	0	0
Stage2	-7.85	0	0
Stage2	-8.25	0	0
Stage2	-8.65	0	0
Stage2	-9.05	0	0
Stage2	-9.45	0	0
Stage2	-9.85	0	0
Stage2	-10.25	0	0
Stage2	-10.65	0	0
Stage2	-11.05	0	0
Stage2	-11.45	0	0
Stage2	-11.85	0	0
Stage2	-12.25	0	0
Stage2	-12.65	0	0
Stage2	-13.05	0	0
Stage2	-13.45	0	0
Stage2	-13.85	0	0
Stage2	-14.25	0	0
Stage2	-14.65	0	0
Stage2	-15.05	0	0
Stage2	-15.45	0	0
Stage2	-15.85	0	0
Stage2	-16.25	0	0
Stage2	-16.65	0	0
Stage2	-17.05	0	0
Stage2	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage2

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	15.7	0	0
Stage2	15.35	0	0
Stage2	15.35	0	0
Stage2	14.95	1.13	2.82
Stage2	14.55	2.01	2.2
Stage2	14.15	2.17	0.4
Stage2	13.75	1.9	-0.68
Stage2	13.35	1.45	-1.13
Stage2	12.95	0.97	-1.18
Stage2	12.55	0.56	-1.03
Stage2	12.15	0.23	-0.81
Stage2	11.75	0	-0.59
Stage2	11.35	-0.17	-0.42
Stage2	10.95	-0.28	-0.28
Stage2	10.55	-0.34	-0.15
Stage2	10.15	-0.34	0
Stage2	9.95	-0.31	0.16
Stage2	9.55	-0.16	0.37
Stage2	9.15	0.15	0.77
Stage2	8.75	0.68	1.33
Stage2	8.35	0.35	-0.82
Stage2	7.95	0.07	-0.69
Stage2	7.55	-0.02	-0.24
Stage2	7.15	-0.03	-0.01
Stage2	6.75	-0.01	0.04
Stage2	6.35	0	0.02
Stage2	5.95	0	0.01
Stage2	5.55	0	0
Stage2	5.15	0	0
Stage2	4.75	0	0
Stage2	4.35	0	0
Stage2	3.95	0	0
Stage2	3.55	0	0
Stage2	3.15	0	0
Stage2	2.75	0	0
Stage2	2.35	0	0
Stage2	1.95	0	0
Stage2	1.55	0	0
Stage2	1.15	0	0
Stage2	0.75	0	0
Stage2	0.35	0	0
Stage2	-0.05	0	0
Stage2	-0.45	0	0
Stage2	-0.85	0	0
Stage2	-1.25	0	0
Stage2	-1.45	0	0
Stage2	-1.85	0	0
Stage2	-2.25	0	0
Stage2	-2.65	0	0
Stage2	-3.05	0	0
Stage2	-3.45	0	0
Stage2	-3.85	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	-4.25	0	0
Stage2	-4.65	0	0
Stage2	-5.05	0	0
Stage2	-5.45	0	0
Stage2	-5.85	0	0
Stage2	-6.25	0	0
Stage2	-6.65	0	0
Stage2	-7.05	0	0
Stage2	-7.45	0	0
Stage2	-7.85	0	0
Stage2	-8.25	0	0
Stage2	-8.65	0	0
Stage2	-9.05	0	0
Stage2	-9.45	0	0
Stage2	-9.85	0	0
Stage2	-10.25	0	0
Stage2	-10.65	0	0
Stage2	-11.05	0	0
Stage2	-11.45	0	0
Stage2	-11.85	0	0
Stage2	-12.25	0	0
Stage2	-12.65	0	0
Stage2	-13.05	0	0
Stage2	-13.45	0	0
Stage2	-13.85	0	0
Stage2	-14.25	0	0
Stage2	-14.65	0	0
Stage2	-15.05	0	0
Stage2	-15.45	0	0
Stage2	-15.85	0	0
Stage2	-16.25	0	0
Stage2	-16.65	0	0
Stage2	-17.05	0	0
Stage2	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage3

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	15.7	0	-1.92
Stage3	15.35	-0.67	-1.92
Stage3	14.95	6.73	18.51
Stage3	14.55	14.14	18.51
Stage3	14.15	21.54	18.51
Stage3	13.75	28.95	18.51
Stage3	13.35	35.92	17.42
Stage3	12.95	41.94	15.07
Stage3	12.55	46.54	11.49
Stage3	12.15	49.22	6.7
Stage3	11.75	49.57	0.87
Stage3	11.35	47.15	-6.04
Stage3	10.95	41.52	-14.09
Stage3	10.55	32.21	-23.26
Stage3	10.15	18.79	-33.57
Stage3	9.95	10.24	-42.72
Stage3	9.55	-10.84	-52.7
Stage3	9.15	-38.1	-68.16
Stage3	8.75	-65.4	-68.25
Stage3	8.35	-55.24	25.42
Stage3	7.95	-32.07	57.91
Stage3	7.55	-10.17	54.75
Stage3	7.15	0.13	25.75
Stage3	6.75	2.44	5.77
Stage3	6.35	1.71	-1.82
Stage3	5.95	0.66	-2.63
Stage3	5.55	0.07	-1.46
Stage3	5.15	-0.1	-0.43
Stage3	4.75	-0.09	0.03
Stage3	4.35	-0.04	0.12
Stage3	3.95	-0.01	0.08
Stage3	3.55	0	0.03
Stage3	3.15	0	0
Stage3	2.75	0	0
Stage3	2.35	0	0
Stage3	1.95	0	0
Stage3	1.55	0	0
Stage3	1.15	0	0
Stage3	0.75	0	0
Stage3	0.35	0	0
Stage3	-0.05	0	0
Stage3	-0.45	0	0
Stage3	-0.85	0	0
Stage3	-1.25	0	0
Stage3	-1.45	0	0
Stage3	-1.85	0	0
Stage3	-2.25	0	0
Stage3	-2.65	0	0
Stage3	-3.05	0	0
Stage3	-3.45	0	0
Stage3	-3.85	0	0
Stage3	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	-4.65	0	0
Stage3	-5.05	0	0
Stage3	-5.45	0	0
Stage3	-5.85	0	0
Stage3	-6.25	0	0
Stage3	-6.65	0	0
Stage3	-7.05	0	0
Stage3	-7.45	0	0
Stage3	-7.85	0	0
Stage3	-8.25	0	0
Stage3	-8.65	0	0
Stage3	-9.05	0	0
Stage3	-9.45	0	0
Stage3	-9.85	0	0
Stage3	-10.25	0	0
Stage3	-10.65	0	0
Stage3	-11.05	0	0
Stage3	-11.45	0	0
Stage3	-11.85	0	0
Stage3	-12.25	0	0
Stage3	-12.65	0	0
Stage3	-13.05	0	0
Stage3	-13.45	0	0
Stage3	-13.85	0	0
Stage3	-14.25	0	0
Stage3	-14.65	0	0
Stage3	-15.05	0	0
Stage3	-15.45	0	0
Stage3	-15.85	0	0
Stage3	-16.25	0	0
Stage3	-16.65	0	0
Stage3	-17.05	0	0
Stage3	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage3

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	15.7	0	1.92
Stage3	15.35	0.67	1.92
Stage3	14.95	-6.73	-18.51
Stage3	14.55	-14.14	-18.51
Stage3	14.15	-21.54	-18.51
Stage3	13.75	-28.95	-18.51
Stage3	13.35	-35.92	-17.42
Stage3	12.95	-41.94	-15.07
Stage3	12.55	-46.54	-11.49
Stage3	12.15	-49.22	-6.7
Stage3	11.75	-49.57	-0.87
Stage3	11.35	-47.15	6.04
Stage3	10.95	-41.52	14.09
Stage3	10.55	-32.21	23.26
Stage3	10.15	-18.79	33.57
Stage3	9.95	-10.24	42.72
Stage3	9.55	10.84	52.7
Stage3	9.15	38.1	68.16
Stage3	8.75	65.4	68.25
Stage3	8.35	55.24	-25.42
Stage3	7.95	32.07	-57.91
Stage3	7.55	10.17	-54.75
Stage3	7.15	-0.13	-25.75
Stage3	6.75	-2.44	-5.77
Stage3	6.35	-1.71	1.82
Stage3	5.95	-0.66	2.63
Stage3	5.55	-0.07	1.46
Stage3	5.15	0.1	0.43
Stage3	4.75	0.09	-0.03
Stage3	4.35	0.04	-0.12
Stage3	3.95	0.01	-0.08
Stage3	3.55	0	-0.03
Stage3	3.15	0	0
Stage3	2.75	0	0
Stage3	2.35	0	0
Stage3	1.95	0	0
Stage3	1.55	0	0
Stage3	1.15	0	0
Stage3	0.75	0	0
Stage3	0.35	0	0
Stage3	-0.05	0	0
Stage3	-0.45	0	0
Stage3	-0.85	0	0
Stage3	-1.25	0	0
Stage3	-1.45	0	0
Stage3	-1.85	0	0
Stage3	-2.25	0	0
Stage3	-2.65	0	0
Stage3	-3.05	0	0
Stage3	-3.45	0	0
Stage3	-3.85	0	0
Stage3	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	-4.65	0	0
Stage3	-5.05	0	0
Stage3	-5.45	0	0
Stage3	-5.85	0	0
Stage3	-6.25	0	0
Stage3	-6.65	0	0
Stage3	-7.05	0	0
Stage3	-7.45	0	0
Stage3	-7.85	0	0
Stage3	-8.25	0	0
Stage3	-8.65	0	0
Stage3	-9.05	0	0
Stage3	-9.45	0	0
Stage3	-9.85	0	0
Stage3	-10.25	0	0
Stage3	-10.65	0	0
Stage3	-11.05	0	0
Stage3	-11.45	0	0
Stage3	-11.85	0	0
Stage3	-12.25	0	0
Stage3	-12.65	0	0
Stage3	-13.05	0	0
Stage3	-13.45	0	0
Stage3	-13.85	0	0
Stage3	-14.25	0	0
Stage3	-14.65	0	0
Stage3	-15.05	0	0
Stage3	-15.45	0	0
Stage3	-15.85	0	0
Stage3	-16.25	0	0
Stage3	-16.65	0	0
Stage3	-17.05	0	0
Stage3	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage4

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	15.7	0	-1.92
Stage4	15.35	-0.67	-1.92
Stage4	14.95	6.73	18.51
Stage4	14.55	14.14	18.51
Stage4	14.15	21.54	18.51
Stage4	13.75	28.95	18.51
Stage4	13.35	35.92	17.42
Stage4	12.95	41.94	15.07
Stage4	12.55	46.54	11.49
Stage4	12.15	49.22	6.7
Stage4	11.75	49.57	0.87
Stage4	11.35	47.15	-6.04
Stage4	10.95	41.52	-14.09
Stage4	10.55	32.21	-23.26
Stage4	10.15	18.79	-33.57
Stage4	9.95	10.24	-42.72
Stage4	9.55	-10.84	-52.7
Stage4	9.15	-38.1	-68.16
Stage4	8.75	-65.4	-68.25
Stage4	8.35	-55.24	25.42
Stage4	7.95	-32.07	57.91
Stage4	7.55	-10.17	54.75
Stage4	7.15	0.13	25.75
Stage4	6.75	2.44	5.77
Stage4	6.35	1.71	-1.82
Stage4	5.95	0.66	-2.63
Stage4	5.55	0.07	-1.46
Stage4	5.15	-0.1	-0.43
Stage4	4.75	-0.09	0.03
Stage4	4.35	-0.04	0.12
Stage4	3.95	-0.01	0.08
Stage4	3.55	0	0.03
Stage4	3.15	0	0
Stage4	2.75	0	0
Stage4	2.35	0	0
Stage4	1.95	0	0
Stage4	1.55	0	0
Stage4	1.15	0	0
Stage4	0.75	0	0
Stage4	0.35	0	0
Stage4	-0.05	0	0
Stage4	-0.45	0	0
Stage4	-0.85	0	0
Stage4	-1.25	0	0
Stage4	-1.45	0	0
Stage4	-1.85	0	0
Stage4	-2.25	0	0
Stage4	-2.65	0	0
Stage4	-3.05	0	0
Stage4	-3.45	0	0
Stage4	-3.85	0	0
Stage4	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	-4.65	0	0
Stage4	-5.05	0	0
Stage4	-5.45	0	0
Stage4	-5.85	0	0
Stage4	-6.25	0	0
Stage4	-6.65	0	0
Stage4	-7.05	0	0
Stage4	-7.45	0	0
Stage4	-7.85	0	0
Stage4	-8.25	0	0
Stage4	-8.65	0	0
Stage4	-9.05	0	0
Stage4	-9.45	0	0
Stage4	-9.85	0	0
Stage4	-10.25	0	0
Stage4	-10.65	0	0
Stage4	-11.05	0	0
Stage4	-11.45	0	0
Stage4	-11.85	0	0
Stage4	-12.25	0	0
Stage4	-12.65	0	0
Stage4	-13.05	0	0
Stage4	-13.45	0	0
Stage4	-13.85	0	0
Stage4	-14.25	0	0
Stage4	-14.65	0	0
Stage4	-15.05	0	0
Stage4	-15.45	0	0
Stage4	-15.85	0	0
Stage4	-16.25	0	0
Stage4	-16.65	0	0
Stage4	-17.05	0	0
Stage4	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage4

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	15.7	0	1.92
Stage4	15.35	0.67	1.92
Stage4	14.95	-6.73	-18.51
Stage4	14.55	-14.14	-18.51
Stage4	14.15	-21.54	-18.51
Stage4	13.75	-28.95	-18.51
Stage4	13.35	-35.92	-17.42
Stage4	12.95	-41.94	-15.07
Stage4	12.55	-46.54	-11.49
Stage4	12.15	-49.22	-6.7
Stage4	11.75	-49.57	-0.87
Stage4	11.35	-47.15	6.04
Stage4	10.95	-41.52	14.09
Stage4	10.55	-32.21	23.26
Stage4	10.15	-18.79	33.57
Stage4	9.95	-10.24	42.72
Stage4	9.55	10.84	52.7
Stage4	9.15	38.1	68.16
Stage4	8.75	65.4	68.25
Stage4	8.35	55.24	-25.42
Stage4	7.95	32.07	-57.91
Stage4	7.55	10.17	-54.75
Stage4	7.15	-0.13	-25.75
Stage4	6.75	-2.44	-5.77
Stage4	6.35	-1.71	1.82
Stage4	5.95	-0.66	2.63
Stage4	5.55	-0.07	1.46
Stage4	5.15	0.1	0.43
Stage4	4.75	0.09	-0.03
Stage4	4.35	0.04	-0.12
Stage4	3.95	0.01	-0.08
Stage4	3.55	0	-0.03
Stage4	3.15	0	0
Stage4	2.75	0	0
Stage4	2.35	0	0
Stage4	1.95	0	0
Stage4	1.55	0	0
Stage4	1.15	0	0
Stage4	0.75	0	0
Stage4	0.35	0	0
Stage4	-0.05	0	0
Stage4	-0.45	0	0
Stage4	-0.85	0	0
Stage4	-1.25	0	0
Stage4	-1.45	0	0
Stage4	-1.85	0	0
Stage4	-2.25	0	0
Stage4	-2.65	0	0
Stage4	-3.05	0	0
Stage4	-3.45	0	0
Stage4	-3.85	0	0
Stage4	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	-4.65	0	0
Stage4	-5.05	0	0
Stage4	-5.45	0	0
Stage4	-5.85	0	0
Stage4	-6.25	0	0
Stage4	-6.65	0	0
Stage4	-7.05	0	0
Stage4	-7.45	0	0
Stage4	-7.85	0	0
Stage4	-8.25	0	0
Stage4	-8.65	0	0
Stage4	-9.05	0	0
Stage4	-9.45	0	0
Stage4	-9.85	0	0
Stage4	-10.25	0	0
Stage4	-10.65	0	0
Stage4	-11.05	0	0
Stage4	-11.45	0	0
Stage4	-11.85	0	0
Stage4	-12.25	0	0
Stage4	-12.65	0	0
Stage4	-13.05	0	0
Stage4	-13.45	0	0
Stage4	-13.85	0	0
Stage4	-14.25	0	0
Stage4	-14.65	0	0
Stage4	-15.05	0	0
Stage4	-15.45	0	0
Stage4	-15.85	0	0
Stage4	-16.25	0	0
Stage4	-16.65	0	0
Stage4	-17.05	0	0
Stage4	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage5

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	15.7	0	-1.82
Stage5	15.35	-0.64	-1.82
Stage5	14.95	6.94	18.95
Stage5	14.55	14.42	18.71
Stage5	14.15	21.71	18.21
Stage5	13.75	28.69	17.45
Stage5	13.35	34.82	15.33
Stage5	12.95	39.5	11.71
Stage5	12.55	42.15	6.62
Stage5	12.15	42.21	0.15
Stage5	11.75	39.24	-7.43
Stage5	11.35	32.83	-16.02
Stage5	10.95	22.67	-25.41
Stage5	10.55	8.56	-35.28
Stage5	10.15	-9.79	-45.87
Stage5	9.95	-20.68	-54.46
Stage5	9.55	-9.7	27.45
Stage5	9.15	-4	14.25
Stage5	8.75	-4.19	-0.47
Stage5	8.35	-4.37	-0.47
Stage5	7.95	-4.56	-0.47
Stage5	7.55	-4.75	-0.47
Stage5	7.15	-4.93	-0.47
Stage5	6.75	-5.12	-0.47
Stage5	6.35	-5.31	-0.47
Stage5	5.95	-5.49	-0.47
Stage5	5.55	-5.68	-0.47
Stage5	5.15	-6.02	-0.86
Stage5	4.75	-7.15	-2.81
Stage5	4.35	-9.68	-6.33
Stage5	3.95	-7.3	5.95
Stage5	3.55	-3.54	9.4
Stage5	3.15	-0.99	6.37
Stage5	2.75	0.14	2.81
Stage5	2.35	0.39	0.62
Stage5	1.95	0.28	-0.26
Stage5	1.55	0.13	-0.39
Stage5	1.15	0.03	-0.26
Stage5	0.75	-0.02	-0.11
Stage5	0.35	-0.03	-0.02
Stage5	-0.05	-0.02	0.02
Stage5	-0.45	-0.01	0.02
Stage5	-0.85	-0.01	0.01
Stage5	-1.25	0	0.01
Stage5	-1.45	0	0
Stage5	-1.85	0	0
Stage5	-2.25	0	0
Stage5	-2.65	0	0
Stage5	-3.05	0	0
Stage5	-3.45	0	0
Stage5	-3.85	0	0
Stage5	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	-4.65	0	0
Stage5	-5.05	0	0
Stage5	-5.45	0	0
Stage5	-5.85	0	0
Stage5	-6.25	0	0
Stage5	-6.65	0	0
Stage5	-7.05	0	0
Stage5	-7.45	0	0
Stage5	-7.85	0	0
Stage5	-8.25	0	0
Stage5	-8.65	0	0
Stage5	-9.05	0	0
Stage5	-9.45	0	0
Stage5	-9.85	0	0
Stage5	-10.25	0	0
Stage5	-10.65	0	0
Stage5	-11.05	0	0
Stage5	-11.45	0	0
Stage5	-11.85	0	0
Stage5	-12.25	0	0
Stage5	-12.65	0	0
Stage5	-13.05	0	0
Stage5	-13.45	0	0
Stage5	-13.85	0	0
Stage5	-14.25	0	0
Stage5	-14.65	0	0
Stage5	-15.05	0	0
Stage5	-15.45	0	0
Stage5	-15.85	0	0
Stage5	-16.25	0	0
Stage5	-16.65	0	0
Stage5	-17.05	0	0
Stage5	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage5

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	15.7	0	1.82
Stage5	15.35	0.64	1.82
Stage5	14.95	-6.94	-18.95
Stage5	14.55	-14.42	-18.71
Stage5	14.15	-21.71	-18.21
Stage5	13.75	-28.69	-17.45
Stage5	13.35	-34.82	-15.33
Stage5	12.95	-39.5	-11.71
Stage5	12.55	-42.15	-6.62
Stage5	12.15	-42.21	-0.15
Stage5	11.75	-39.24	7.43
Stage5	11.35	-32.83	16.02
Stage5	10.95	-22.67	25.41
Stage5	10.55	-8.56	35.28
Stage5	10.15	9.79	45.87
Stage5	9.95	20.68	54.46
Stage5	9.55	9.7	-27.45
Stage5	9.15	4	-14.25
Stage5	8.75	4.19	0.47
Stage5	8.35	4.37	0.47
Stage5	7.95	4.56	0.47
Stage5	7.55	4.75	0.47
Stage5	7.15	4.93	0.47
Stage5	6.75	5.12	0.47
Stage5	6.35	5.31	0.47
Stage5	5.95	5.49	0.47
Stage5	5.55	5.68	0.47
Stage5	5.15	6.02	0.86
Stage5	4.75	7.15	2.81
Stage5	4.35	9.68	6.33
Stage5	3.95	7.3	-5.95
Stage5	3.55	3.54	-9.4
Stage5	3.15	0.99	-6.37
Stage5	2.75	-0.14	-2.81
Stage5	2.35	-0.39	-0.62
Stage5	1.95	-0.28	0.26
Stage5	1.55	-0.13	0.39
Stage5	1.15	-0.03	0.26
Stage5	0.75	0.02	0.11
Stage5	0.35	0.03	0.02
Stage5	-0.05	0.02	-0.02
Stage5	-0.45	0.01	-0.02
Stage5	-0.85	0.01	-0.01
Stage5	-1.25	0	-0.01
Stage5	-1.45	0	0
Stage5	-1.85	0	0
Stage5	-2.25	0	0
Stage5	-2.65	0	0
Stage5	-3.05	0	0
Stage5	-3.45	0	0
Stage5	-3.85	0	0
Stage5	-4.25	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	-4.65	0	0
Stage5	-5.05	0	0
Stage5	-5.45	0	0
Stage5	-5.85	0	0
Stage5	-6.25	0	0
Stage5	-6.65	0	0
Stage5	-7.05	0	0
Stage5	-7.45	0	0
Stage5	-7.85	0	0
Stage5	-8.25	0	0
Stage5	-8.65	0	0
Stage5	-9.05	0	0
Stage5	-9.45	0	0
Stage5	-9.85	0	0
Stage5	-10.25	0	0
Stage5	-10.65	0	0
Stage5	-11.05	0	0
Stage5	-11.45	0	0
Stage5	-11.85	0	0
Stage5	-12.25	0	0
Stage5	-12.65	0	0
Stage5	-13.05	0	0
Stage5	-13.45	0	0
Stage5	-13.85	0	0
Stage5	-14.25	0	0
Stage5	-14.65	0	0
Stage5	-15.05	0	0
Stage5	-15.45	0	0
Stage5	-15.85	0	0
Stage5	-16.25	0	0
Stage5	-16.65	0	0
Stage5	-17.05	0	0
Stage5	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage6

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	15.7	0	-1.82
Stage6	15.35	-0.64	-1.82
Stage6	14.95	6.94	18.95
Stage6	14.55	14.42	18.71
Stage6	14.15	21.71	18.21
Stage6	13.75	28.69	17.45
Stage6	13.35	34.82	15.33
Stage6	12.95	39.5	11.71
Stage6	12.55	42.15	6.62
Stage6	12.15	42.21	0.15
Stage6	11.75	39.24	-7.43
Stage6	11.35	32.83	-16.02
Stage6	10.95	22.67	-25.41
Stage6	10.55	8.56	-35.28
Stage6	10.15	-9.79	-45.87
Stage6	9.95	-20.68	-54.46
Stage6	9.55	-9.7	27.45
Stage6	9.15	-4	14.25
Stage6	8.75	-4.19	-0.47
Stage6	8.35	-4.37	-0.47
Stage6	7.95	-4.56	-0.47
Stage6	7.55	-4.75	-0.47
Stage6	7.15	-4.93	-0.47
Stage6	6.75	-5.12	-0.47
Stage6	6.35	-5.31	-0.47
Stage6	5.95	-5.49	-0.47
Stage6	5.55	-5.68	-0.47
Stage6	5.15	-6.02	-0.86
Stage6	4.75	-7.15	-2.81
Stage6	4.35	-9.68	-6.33
Stage6	3.95	-7.3	5.95
Stage6	3.55	-3.54	9.4
Stage6	3.15	-0.99	6.37
Stage6	2.75	0.14	2.81
Stage6	2.35	0.39	0.62
Stage6	1.95	0.28	-0.26
Stage6	1.55	0.13	-0.39
Stage6	1.15	0.03	-0.26
Stage6	0.75	-0.02	-0.11
Stage6	0.35	-0.03	-0.02
Stage6	-0.05	-0.02	0.02
Stage6	-0.45	-0.01	0.02
Stage6	-0.85	-0.01	0.01
Stage6	-1.25	0	0.01
Stage6	-1.45	0	0
Stage6	-1.85	0	0
Stage6	-2.25	0	0
Stage6	-2.65	0	0
Stage6	-3.05	0	0
Stage6	-3.45	0	0
Stage6	-3.85	0	0
Stage6	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	-4.65	0	0
Stage6	-5.05	0	0
Stage6	-5.45	0	0
Stage6	-5.85	0	0
Stage6	-6.25	0	0
Stage6	-6.65	0	0
Stage6	-7.05	0	0
Stage6	-7.45	0	0
Stage6	-7.85	0	0
Stage6	-8.25	0	0
Stage6	-8.65	0	0
Stage6	-9.05	0	0
Stage6	-9.45	0	0
Stage6	-9.85	0	0
Stage6	-10.25	0	0
Stage6	-10.65	0	0
Stage6	-11.05	0	0
Stage6	-11.45	0	0
Stage6	-11.85	0	0
Stage6	-12.25	0	0
Stage6	-12.65	0	0
Stage6	-13.05	0	0
Stage6	-13.45	0	0
Stage6	-13.85	0	0
Stage6	-14.25	0	0
Stage6	-14.65	0	0
Stage6	-15.05	0	0
Stage6	-15.45	0	0
Stage6	-15.85	0	0
Stage6	-16.25	0	0
Stage6	-16.65	0	0
Stage6	-17.05	0	0
Stage6	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage6

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	15.7	0	1.82
Stage6	15.35	0.64	1.82
Stage6	14.95	-6.94	-18.95
Stage6	14.55	-14.42	-18.71
Stage6	14.15	-21.71	-18.21
Stage6	13.75	-28.69	-17.45
Stage6	13.35	-34.82	-15.33
Stage6	12.95	-39.5	-11.71
Stage6	12.55	-42.15	-6.62
Stage6	12.15	-42.21	-0.15
Stage6	11.75	-39.24	7.43
Stage6	11.35	-32.83	16.02
Stage6	10.95	-22.67	25.41
Stage6	10.55	-8.56	35.28
Stage6	10.15	9.79	45.87
Stage6	9.95	20.68	54.46
Stage6	9.55	9.7	-27.45
Stage6	9.15	4	-14.25
Stage6	8.75	4.19	0.47
Stage6	8.35	4.37	0.47
Stage6	7.95	4.56	0.47
Stage6	7.55	4.75	0.47
Stage6	7.15	4.93	0.47
Stage6	6.75	5.12	0.47
Stage6	6.35	5.31	0.47
Stage6	5.95	5.49	0.47
Stage6	5.55	5.68	0.47
Stage6	5.15	6.02	0.86
Stage6	4.75	7.15	2.81
Stage6	4.35	9.68	6.33
Stage6	3.95	7.3	-5.95
Stage6	3.55	3.54	-9.4
Stage6	3.15	0.99	-6.37
Stage6	2.75	-0.14	-2.81
Stage6	2.35	-0.39	-0.62
Stage6	1.95	-0.28	0.26
Stage6	1.55	-0.13	0.39
Stage6	1.15	-0.03	0.26
Stage6	0.75	0.02	0.11
Stage6	0.35	0.03	0.02
Stage6	-0.05	0.02	-0.02
Stage6	-0.45	0.01	-0.02
Stage6	-0.85	0.01	-0.01
Stage6	-1.25	0	-0.01
Stage6	-1.45	0	0
Stage6	-1.85	0	0
Stage6	-2.25	0	0
Stage6	-2.65	0	0
Stage6	-3.05	0	0
Stage6	-3.45	0	0
Stage6	-3.85	0	0
Stage6	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	-4.65	0	0
Stage6	-5.05	0	0
Stage6	-5.45	0	0
Stage6	-5.85	0	0
Stage6	-6.25	0	0
Stage6	-6.65	0	0
Stage6	-7.05	0	0
Stage6	-7.45	0	0
Stage6	-7.85	0	0
Stage6	-8.25	0	0
Stage6	-8.65	0	0
Stage6	-9.05	0	0
Stage6	-9.45	0	0
Stage6	-9.85	0	0
Stage6	-10.25	0	0
Stage6	-10.65	0	0
Stage6	-11.05	0	0
Stage6	-11.45	0	0
Stage6	-11.85	0	0
Stage6	-12.25	0	0
Stage6	-12.65	0	0
Stage6	-13.05	0	0
Stage6	-13.45	0	0
Stage6	-13.85	0	0
Stage6	-14.25	0	0
Stage6	-14.65	0	0
Stage6	-15.05	0	0
Stage6	-15.45	0	0
Stage6	-15.85	0	0
Stage6	-16.25	0	0
Stage6	-16.65	0	0
Stage6	-17.05	0	0
Stage6	-17.3	0	0

PROGETTO DEFINITIVO

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Tabella Risultati Paratia Nominal - Stage: Stage7

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	15.7	0	-1.82
Stage7	15.35	-0.64	-1.82
Stage7	14.95	6.94	18.95
Stage7	14.55	14.42	18.71
Stage7	14.15	21.71	18.21
Stage7	13.75	28.69	17.45
Stage7	13.35	34.82	15.33
Stage7	12.95	39.5	11.7
Stage7	12.55	42.15	6.62
Stage7	12.15	42.21	0.14
Stage7	11.75	39.23	-7.44
Stage7	11.35	32.83	-16.02
Stage7	10.95	22.66	-25.41
Stage7	10.55	8.55	-35.28
Stage7	10.15	-9.8	-45.87
Stage7	9.95	-20.69	-54.46
Stage7	9.55	-9.69	27.5
Stage7	9.15	-3.97	14.3
Stage7	8.75	-4.14	-0.41
Stage7	8.35	-4.3	-0.41
Stage7	7.95	-4.48	-0.46
Stage7	7.55	-4.71	-0.57
Stage7	7.15	-5.01	-0.75
Stage7	6.75	-5.44	-1.08
Stage7	6.35	-6.05	-1.51
Stage7	5.95	-6.74	-1.73
Stage7	5.55	-7.43	-1.73
Stage7	5.15	-8.12	-1.73
Stage7	4.75	-6.92	3.01
Stage7	4.35	-5.71	3.01
Stage7	3.95	-4.51	3.01
Stage7	3.55	-3.31	3.01
Stage7	3.15	-2.1	3.01
Stage7	2.75	-1.23	2.19
Stage7	2.35	-0.8	1.07
Stage7	1.95	-0.49	0.76
Stage7	1.55	-0.19	0.76
Stage7	1.15	0.11	0.76
Stage7	0.75	0.42	0.76
Stage7	0.35	0.72	0.76
Stage7	-0.05	1.03	0.76
Stage7	-0.45	1.33	0.76
Stage7	-0.85	1.64	0.76
Stage7	-1.25	1.94	0.76
Stage7	-1.45	1.92	-0.11
Stage7	-1.85	1.29	-1.56
Stage7	-2.25	-1.5	-6.98
Stage7	-2.65	-1.91	-1.04
Stage7	-3.05	-1.38	1.34
Stage7	-3.45	-0.73	1.63
Stage7	-3.85	-0.27	1.14
Stage7	-4.25	-0.04	0.57

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	-4.65	0.03	0.19
Stage7	-5.05	0.03	0
Stage7	-5.45	0.01	-0.05
Stage7	-5.85	-0.01	-0.05
Stage7	-6.25	-0.02	-0.02
Stage7	-6.65	-0.02	-0.01
Stage7	-7.05	-0.02	0
Stage7	-7.45	-0.01	0.01
Stage7	-7.85	-0.01	0.01
Stage7	-8.25	-0.01	0
Stage7	-8.65	-0.01	0
Stage7	-9.05	-0.01	0
Stage7	-9.45	-0.01	0
Stage7	-9.85	-0.01	0
Stage7	-10.25	-0.01	0
Stage7	-10.65	0	0
Stage7	-11.05	0	0
Stage7	-11.45	0	0
Stage7	-11.85	0	0
Stage7	-12.25	0	0
Stage7	-12.65	0	0
Stage7	-13.05	0	0
Stage7	-13.45	0	0
Stage7	-13.85	0	0
Stage7	-14.25	0	0
Stage7	-14.65	0	0
Stage7	-15.05	0	0
Stage7	-15.45	0	0
Stage7	-15.85	0	0
Stage7	-16.25	0	0
Stage7	-16.65	0	0
Stage7	-17.05	0	0
Stage7	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Risultati Paratia Nominal - Stage: Stage7

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	15.7	0	1.82
Stage7	15.35	0.64	1.82
Stage7	14.95	-6.94	-18.95
Stage7	14.55	-14.42	-18.71
Stage7	14.15	-21.71	-18.21
Stage7	13.75	-28.69	-17.45
Stage7	13.35	-34.82	-15.33
Stage7	12.95	-39.5	-11.7
Stage7	12.55	-42.15	-6.62
Stage7	12.15	-42.21	-0.14
Stage7	11.75	-39.23	7.44
Stage7	11.35	-32.83	16.02
Stage7	10.95	-22.66	25.41
Stage7	10.55	-8.55	35.28
Stage7	10.15	9.8	45.87
Stage7	9.95	20.69	54.46
Stage7	9.55	9.69	-27.5
Stage7	9.15	3.97	-14.3
Stage7	8.75	4.14	0.41
Stage7	8.35	4.3	0.41
Stage7	7.95	4.48	0.46
Stage7	7.55	4.71	0.57
Stage7	7.15	5.01	0.75
Stage7	6.75	5.44	1.08
Stage7	6.35	6.05	1.51
Stage7	5.95	6.74	1.73
Stage7	5.55	7.43	1.73
Stage7	5.15	8.12	1.73
Stage7	4.75	6.92	-3.01
Stage7	4.35	5.71	-3.01
Stage7	3.95	4.51	-3.01
Stage7	3.55	3.31	-3.01
Stage7	3.15	2.1	-3.01
Stage7	2.75	1.23	-2.19
Stage7	2.35	0.8	-1.07
Stage7	1.95	0.49	-0.76
Stage7	1.55	0.19	-0.76
Stage7	1.15	-0.11	-0.76
Stage7	0.75	-0.42	-0.76
Stage7	0.35	-0.72	-0.76
Stage7	-0.05	-1.03	-0.76
Stage7	-0.45	-1.33	-0.76
Stage7	-0.85	-1.64	-0.76
Stage7	-1.25	-1.94	-0.76
Stage7	-1.45	-1.92	0.11
Stage7	-1.85	-1.29	1.56
Stage7	-2.25	1.5	6.98
Stage7	-2.65	1.91	1.04
Stage7	-3.05	1.38	-1.34
Stage7	-3.45	0.73	-1.63
Stage7	-3.85	0.27	-1.14
Stage7	-4.25	0.04	-0.57

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	-4.65	-0.03	-0.19
Stage7	-5.05	-0.03	0
Stage7	-5.45	-0.01	0.05
Stage7	-5.85	0.01	0.05
Stage7	-6.25	0.02	0.02
Stage7	-6.65	0.02	0.01
Stage7	-7.05	0.02	0
Stage7	-7.45	0.01	-0.01
Stage7	-7.85	0.01	-0.01
Stage7	-8.25	0.01	0
Stage7	-8.65	0.01	0
Stage7	-9.05	0.01	0
Stage7	-9.45	0.01	0
Stage7	-9.85	0.01	0
Stage7	-10.25	0.01	0
Stage7	-10.65	0	0
Stage7	-11.05	0	0
Stage7	-11.45	0	0
Stage7	-11.85	0	0
Stage7	-12.25	0	0
Stage7	-12.65	0	0
Stage7	-13.05	0	0
Stage7	-13.45	0	0
Stage7	-13.85	0	0
Stage7	-14.25	0	0
Stage7	-14.65	0	0
Stage7	-15.05	0	0
Stage7	-15.45	0	0
Stage7	-15.85	0	0
Stage7	-16.25	0	0
Stage7	-16.65	0	0
Stage7	-17.05	0	0
Stage7	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Tabella Risultati Paratia Nominal - Stage: Stage8

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	15.7	0	-1.82
Stage8	15.35	-0.64	-1.82
Stage8	14.95	6.94	18.95
Stage8	14.55	14.42	18.71
Stage8	14.15	21.71	18.21
Stage8	13.75	28.69	17.45
Stage8	13.35	34.82	15.33
Stage8	12.95	39.5	11.7
Stage8	12.55	42.15	6.62
Stage8	12.15	42.21	0.14
Stage8	11.75	39.23	-7.44
Stage8	11.35	32.82	-16.02
Stage8	10.95	22.66	-25.41
Stage8	10.55	8.55	-35.28
Stage8	10.15	-9.8	-45.87
Stage8	9.95	-20.69	-54.46
Stage8	9.55	-9.69	27.5
Stage8	9.15	-3.97	14.31
Stage8	8.75	-4.14	-0.41
Stage8	8.35	-4.3	-0.42
Stage8	7.95	-4.48	-0.46
Stage8	7.55	-4.71	-0.57
Stage8	7.15	-5.01	-0.75
Stage8	6.75	-5.44	-1.08
Stage8	6.35	-6.05	-1.51
Stage8	5.95	-6.74	-1.73
Stage8	5.55	-7.43	-1.73
Stage8	5.15	-8.12	-1.73
Stage8	4.75	-6.92	3.01
Stage8	4.35	-5.71	3.01
Stage8	3.95	-4.51	3.01
Stage8	3.55	-3.31	3.01
Stage8	3.15	-2.1	3.01
Stage8	2.75	-1.23	2.19
Stage8	2.35	-0.8	1.07
Stage8	1.95	-0.49	0.77
Stage8	1.55	-0.19	0.76
Stage8	1.15	0.12	0.76
Stage8	0.75	0.42	0.76
Stage8	0.35	0.72	0.76
Stage8	-0.05	1.03	0.76
Stage8	-0.45	1.33	0.76
Stage8	-0.85	1.64	0.76
Stage8	-1.25	1.94	0.76
Stage8	-1.45	1.92	-0.11
Stage8	-1.85	1.29	-1.56
Stage8	-2.25	-1.5	-6.98
Stage8	-2.65	-1.92	-1.04
Stage8	-3.05	-1.38	1.34
Stage8	-3.45	-0.73	1.63
Stage8	-3.85	-0.27	1.14
Stage8	-4.25	-0.04	0.57

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	-4.65	0.03	0.19
Stage8	-5.05	0.03	0
Stage8	-5.45	0.01	-0.05
Stage8	-5.85	-0.01	-0.05
Stage8	-6.25	-0.02	-0.02
Stage8	-6.65	-0.02	-0.01
Stage8	-7.05	-0.02	0
Stage8	-7.45	-0.01	0.01
Stage8	-7.85	-0.01	0.01
Stage8	-8.25	-0.01	0
Stage8	-8.65	-0.01	0
Stage8	-9.05	-0.01	0
Stage8	-9.45	-0.01	0
Stage8	-9.85	-0.01	0
Stage8	-10.25	-0.01	0
Stage8	-10.65	0	0
Stage8	-11.05	0	0
Stage8	-11.45	0	0
Stage8	-11.85	0	0
Stage8	-12.25	0	0
Stage8	-12.65	0	0
Stage8	-13.05	0	0
Stage8	-13.45	0	0
Stage8	-13.85	0	0
Stage8	-14.25	0	0
Stage8	-14.65	0	0
Stage8	-15.05	0	0
Stage8	-15.45	0	0
Stage8	-15.85	0	0
Stage8	-16.25	0	0
Stage8	-16.65	0	0
Stage8	-17.05	0	0
Stage8	-17.3	0	0

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Tabella Risultati Paratia Nominal - Stage: Stage8

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	15.7	0	1.82
Stage8	15.35	0.64	1.82
Stage8	14.95	-6.94	-18.95
Stage8	14.55	-14.42	-18.71
Stage8	14.15	-21.71	-18.21
Stage8	13.75	-28.69	-17.45
Stage8	13.35	-34.82	-15.33
Stage8	12.95	-39.5	-11.7
Stage8	12.55	-42.15	-6.62
Stage8	12.15	-42.21	-0.14
Stage8	11.75	-39.23	7.44
Stage8	11.35	-32.82	16.02
Stage8	10.95	-22.66	25.41
Stage8	10.55	-8.55	35.28
Stage8	10.15	9.8	45.87
Stage8	9.95	20.69	54.46
Stage8	9.55	9.69	-27.5
Stage8	9.15	3.97	-14.31
Stage8	8.75	4.14	0.41
Stage8	8.35	4.3	0.42
Stage8	7.95	4.48	0.46
Stage8	7.55	4.71	0.57
Stage8	7.15	5.01	0.75
Stage8	6.75	5.44	1.08
Stage8	6.35	6.05	1.51
Stage8	5.95	6.74	1.73
Stage8	5.55	7.43	1.73
Stage8	5.15	8.12	1.73
Stage8	4.75	6.92	-3.01
Stage8	4.35	5.71	-3.01
Stage8	3.95	4.51	-3.01
Stage8	3.55	3.31	-3.01
Stage8	3.15	2.1	-3.01
Stage8	2.75	1.23	-2.19
Stage8	2.35	0.8	-1.07
Stage8	1.95	0.49	-0.77
Stage8	1.55	0.19	-0.76
Stage8	1.15	-0.12	-0.76
Stage8	0.75	-0.42	-0.76
Stage8	0.35	-0.72	-0.76
Stage8	-0.05	-1.03	-0.76
Stage8	-0.45	-1.33	-0.76
Stage8	-0.85	-1.64	-0.76
Stage8	-1.25	-1.94	-0.76
Stage8	-1.45	-1.92	0.11
Stage8	-1.85	-1.29	1.56
Stage8	-2.25	1.5	6.98
Stage8	-2.65	1.92	1.04
Stage8	-3.05	1.38	-1.34
Stage8	-3.45	0.73	-1.63
Stage8	-3.85	0.27	-1.14
Stage8	-4.25	0.04	-0.57

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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	-4.65	-0.03	-0.19
Stage8	-5.05	-0.03	0
Stage8	-5.45	-0.01	0.05
Stage8	-5.85	0.01	0.05
Stage8	-6.25	0.02	0.02
Stage8	-6.65	0.02	0.01
Stage8	-7.05	0.02	0
Stage8	-7.45	0.01	-0.01
Stage8	-7.85	0.01	-0.01
Stage8	-8.25	0.01	0
Stage8	-8.65	0.01	0
Stage8	-9.05	0.01	0
Stage8	-9.45	0.01	0
Stage8	-9.85	0.01	0
Stage8	-10.25	0.01	0
Stage8	-10.65	0	0
Stage8	-11.05	0	0
Stage8	-11.45	0	0
Stage8	-11.85	0	0
Stage8	-12.25	0	0
Stage8	-12.65	0	0
Stage8	-13.05	0	0
Stage8	-13.45	0	0
Stage8	-13.85	0	0
Stage8	-14.25	0	0
Stage8	-14.65	0	0
Stage8	-15.05	0	0
Stage8	-15.45	0	0
Stage8	-15.85	0	0
Stage8	-16.25	0	0
Stage8	-16.65	0	0
Stage8	-17.05	0	0
Stage8	-17.3	0	0

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Tabella Risultati Paratia Nominal - Stage: Stage9

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	15.7	0	-1.82
Stage9	15.35	-0.64	-1.82
Stage9	14.95	6.94	18.95
Stage9	14.55	14.42	18.71
Stage9	14.15	21.71	18.21
Stage9	13.75	28.69	17.45
Stage9	13.35	34.82	15.33
Stage9	12.95	39.5	11.7
Stage9	12.55	42.15	6.62
Stage9	12.15	42.21	0.14
Stage9	11.75	39.23	-7.44
Stage9	11.35	32.82	-16.02
Stage9	10.95	22.66	-25.41
Stage9	10.55	8.55	-35.28
Stage9	10.15	-9.8	-45.87
Stage9	9.95	-20.69	-54.46
Stage9	9.55	-9.69	27.5
Stage9	9.15	-3.97	14.31
Stage9	8.75	-4.14	-0.41
Stage9	8.35	-4.3	-0.42
Stage9	7.95	-4.48	-0.46
Stage9	7.55	-4.71	-0.57
Stage9	7.15	-5.01	-0.75
Stage9	6.75	-5.44	-1.08
Stage9	6.35	-6.05	-1.51
Stage9	5.95	-6.74	-1.73
Stage9	5.55	-7.43	-1.73
Stage9	5.15	-8.12	-1.73
Stage9	4.75	-6.92	3.01
Stage9	4.35	-5.71	3.01
Stage9	3.95	-4.51	3
Stage9	3.55	-3.31	3
Stage9	3.15	-2.11	3
Stage9	2.75	-1.23	2.19
Stage9	2.35	-0.79	1.1
Stage9	1.95	-0.47	0.82
Stage9	1.55	-0.14	0.82
Stage9	1.15	0.19	0.82
Stage9	0.75	0.5	0.78
Stage9	0.35	0.75	0.62
Stage9	-0.05	0.86	0.27
Stage9	-0.45	0.75	-0.27
Stage9	-0.85	0.42	-0.81
Stage9	-1.25	0.09	-0.85
Stage9	-1.45	-0.08	-0.85
Stage9	-1.85	0.48	1.42
Stage9	-2.25	1.05	1.42
Stage9	-2.65	1.61	1.42
Stage9	-3.05	1.64	0.07
Stage9	-3.45	-0.86	-6.25
Stage9	-3.85	-1.49	-1.59
Stage9	-4.25	-1.2	0.74

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	-4.65	-0.69	1.26
Stage9	-5.05	-0.3	0.98
Stage9	-5.45	-0.09	0.54
Stage9	-5.85	0	0.21
Stage9	-6.25	0.01	0.04
Stage9	-6.65	0	-0.03
Stage9	-7.05	-0.01	-0.03
Stage9	-7.45	-0.02	-0.02
Stage9	-7.85	-0.02	0
Stage9	-8.25	-0.02	0
Stage9	-8.65	-0.01	0.01
Stage9	-9.05	-0.01	0.01
Stage9	-9.45	-0.01	0
Stage9	-9.85	-0.01	0
Stage9	-10.25	-0.01	0
Stage9	-10.65	-0.01	0
Stage9	-11.05	-0.01	0
Stage9	-11.45	-0.01	0
Stage9	-11.85	-0.01	0
Stage9	-12.25	0	0
Stage9	-12.65	0	0
Stage9	-13.05	0	0
Stage9	-13.45	0	0
Stage9	-13.85	0	0
Stage9	-14.25	0	0
Stage9	-14.65	0	0
Stage9	-15.05	0	0
Stage9	-15.45	0	0
Stage9	-15.85	0	0
Stage9	-16.25	0	0
Stage9	-16.65	0	0
Stage9	-17.05	0	0
Stage9	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage9

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	15.7	0	1.82
Stage9	15.35	0.64	1.82
Stage9	14.95	-6.94	-18.95
Stage9	14.55	-14.42	-18.71
Stage9	14.15	-21.71	-18.21
Stage9	13.75	-28.69	-17.45
Stage9	13.35	-34.82	-15.33
Stage9	12.95	-39.5	-11.7
Stage9	12.55	-42.15	-6.62
Stage9	12.15	-42.21	-0.14
Stage9	11.75	-39.23	7.44
Stage9	11.35	-32.82	16.02
Stage9	10.95	-22.66	25.41
Stage9	10.55	-8.55	35.28
Stage9	10.15	9.8	45.87
Stage9	9.95	20.69	54.46
Stage9	9.55	9.69	-27.5
Stage9	9.15	3.97	-14.31
Stage9	8.75	4.14	0.41
Stage9	8.35	4.3	0.42
Stage9	7.95	4.48	0.46
Stage9	7.55	4.71	0.57
Stage9	7.15	5.01	0.75
Stage9	6.75	5.44	1.08
Stage9	6.35	6.05	1.51
Stage9	5.95	6.74	1.73
Stage9	5.55	7.43	1.73
Stage9	5.15	8.12	1.73
Stage9	4.75	6.92	-3.01
Stage9	4.35	5.71	-3.01
Stage9	3.95	4.51	-3
Stage9	3.55	3.31	-3
Stage9	3.15	2.11	-3
Stage9	2.75	1.23	-2.19
Stage9	2.35	0.79	-1.1
Stage9	1.95	0.47	-0.82
Stage9	1.55	0.14	-0.82
Stage9	1.15	-0.19	-0.82
Stage9	0.75	-0.5	-0.78
Stage9	0.35	-0.75	-0.62
Stage9	-0.05	-0.86	-0.27
Stage9	-0.45	-0.75	0.27
Stage9	-0.85	-0.42	0.81
Stage9	-1.25	-0.09	0.85
Stage9	-1.45	0.08	0.85
Stage9	-1.85	-0.48	-1.42
Stage9	-2.25	-1.05	-1.42
Stage9	-2.65	-1.61	-1.42
Stage9	-3.05	-1.64	-0.07
Stage9	-3.45	0.86	6.25
Stage9	-3.85	1.49	1.59
Stage9	-4.25	1.2	-0.74

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	-4.65	0.69	-1.26
Stage9	-5.05	0.3	-0.98
Stage9	-5.45	0.09	-0.54
Stage9	-5.85	0	-0.21
Stage9	-6.25	-0.01	-0.04
Stage9	-6.65	0	0.03
Stage9	-7.05	0.01	0.03
Stage9	-7.45	0.02	0.02
Stage9	-7.85	0.02	0
Stage9	-8.25	0.02	0
Stage9	-8.65	0.01	-0.01
Stage9	-9.05	0.01	-0.01
Stage9	-9.45	0.01	0
Stage9	-9.85	0.01	0
Stage9	-10.25	0.01	0
Stage9	-10.65	0.01	0
Stage9	-11.05	0.01	0
Stage9	-11.45	0.01	0
Stage9	-11.85	0.01	0
Stage9	-12.25	0	0
Stage9	-12.65	0	0
Stage9	-13.05	0	0
Stage9	-13.45	0	0
Stage9	-13.85	0	0
Stage9	-14.25	0	0
Stage9	-14.65	0	0
Stage9	-15.05	0	0
Stage9	-15.45	0	0
Stage9	-15.85	0	0
Stage9	-16.25	0	0
Stage9	-16.65	0	0
Stage9	-17.05	0	0
Stage9	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage10

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	15.7	0	-1.82
Stage10	15.35	-0.64	-1.82
Stage10	14.95	6.94	18.95
Stage10	14.55	14.42	18.71
Stage10	14.15	21.71	18.21
Stage10	13.75	28.69	17.45
Stage10	13.35	34.82	15.33
Stage10	12.95	39.5	11.7
Stage10	12.55	42.15	6.62
Stage10	12.15	42.21	0.14
Stage10	11.75	39.23	-7.44
Stage10	11.35	32.82	-16.02
Stage10	10.95	22.66	-25.41
Stage10	10.55	8.55	-35.28
Stage10	10.15	-9.8	-45.87
Stage10	9.95	-20.69	-54.46
Stage10	9.55	-9.69	27.5
Stage10	9.15	-3.97	14.31
Stage10	8.75	-4.14	-0.41
Stage10	8.35	-4.3	-0.42
Stage10	7.95	-4.48	-0.46
Stage10	7.55	-4.71	-0.57
Stage10	7.15	-5.01	-0.75
Stage10	6.75	-5.44	-1.08
Stage10	6.35	-6.05	-1.51
Stage10	5.95	-6.74	-1.73
Stage10	5.55	-7.43	-1.73
Stage10	5.15	-8.12	-1.73
Stage10	4.75	-6.92	3.01
Stage10	4.35	-5.71	3
Stage10	3.95	-4.51	3
Stage10	3.55	-3.31	3
Stage10	3.15	-2.11	3
Stage10	2.75	-1.24	2.19
Stage10	2.35	-0.8	1.1
Stage10	1.95	-0.46	0.85
Stage10	1.55	-0.12	0.85
Stage10	1.15	0.22	0.85
Stage10	0.75	0.55	0.82
Stage10	0.35	0.81	0.64
Stage10	-0.05	0.89	0.2
Stage10	-0.45	0.67	-0.54
Stage10	-0.85	0.1	-1.43
Stage10	-1.25	-0.65	-1.86
Stage10	-1.45	-1.04	-1.96
Stage10	-1.85	-0.85	0.48
Stage10	-2.25	-0.66	0.48
Stage10	-2.65	-0.47	0.48
Stage10	-3.05	-0.28	0.48
Stage10	-3.45	-0.08	0.48
Stage10	-3.85	0.11	0.48
Stage10	-4.25	0.3	0.48

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	-4.65	0.49	0.48
Stage10	-5.05	0.68	0.48
Stage10	-5.45	0.87	0.48
Stage10	-5.85	1.06	0.48
Stage10	-6.25	1.25	0.48
Stage10	-6.65	1.44	0.48
Stage10	-7.05	1.63	0.48
Stage10	-7.45	1.82	0.48
Stage10	-7.85	1.86	0.1
Stage10	-8.25	1.14	-1.8
Stage10	-8.65	-2.77	-9.79
Stage10	-9.05	-2.96	-0.47
Stage10	-9.45	-1.9	2.65
Stage10	-9.85	-0.87	2.59
Stage10	-10.25	-0.24	1.57
Stage10	-10.65	0.03	0.66
Stage10	-11.05	0.08	0.13
Stage10	-11.45	0.05	-0.07
Stage10	-11.85	0.01	-0.1
Stage10	-12.25	-0.01	-0.06
Stage10	-12.65	-0.02	-0.02
Stage10	-13.05	-0.02	0
Stage10	-13.45	-0.02	0.01
Stage10	-13.85	-0.02	0.01
Stage10	-14.25	-0.01	0.01
Stage10	-14.65	-0.01	0
Stage10	-15.05	-0.01	0
Stage10	-15.45	-0.01	0
Stage10	-15.85	-0.01	0
Stage10	-16.25	-0.01	0
Stage10	-16.65	0	0.01
Stage10	-17.05	0	0.01
Stage10	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage10

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	15.7	0	1.82
Stage10	15.35	0.64	1.82
Stage10	14.95	-6.94	-18.95
Stage10	14.55	-14.42	-18.71
Stage10	14.15	-21.71	-18.21
Stage10	13.75	-28.69	-17.45
Stage10	13.35	-34.82	-15.33
Stage10	12.95	-39.5	-11.7
Stage10	12.55	-42.15	-6.62
Stage10	12.15	-42.21	-0.14
Stage10	11.75	-39.23	7.44
Stage10	11.35	-32.82	16.02
Stage10	10.95	-22.66	25.41
Stage10	10.55	-8.55	35.28
Stage10	10.15	9.8	45.87
Stage10	9.95	20.69	54.46
Stage10	9.55	9.69	-27.5
Stage10	9.15	3.97	-14.31
Stage10	8.75	4.14	0.41
Stage10	8.35	4.3	0.42
Stage10	7.95	4.48	0.46
Stage10	7.55	4.71	0.57
Stage10	7.15	5.01	0.75
Stage10	6.75	5.44	1.08
Stage10	6.35	6.05	1.51
Stage10	5.95	6.74	1.73
Stage10	5.55	7.43	1.73
Stage10	5.15	8.12	1.73
Stage10	4.75	6.92	-3.01
Stage10	4.35	5.71	-3
Stage10	3.95	4.51	-3
Stage10	3.55	3.31	-3
Stage10	3.15	2.11	-3
Stage10	2.75	1.24	-2.19
Stage10	2.35	0.8	-1.1
Stage10	1.95	0.46	-0.85
Stage10	1.55	0.12	-0.85
Stage10	1.15	-0.22	-0.85
Stage10	0.75	-0.55	-0.82
Stage10	0.35	-0.81	-0.64
Stage10	-0.05	-0.89	-0.2
Stage10	-0.45	-0.67	0.54
Stage10	-0.85	-0.1	1.43
Stage10	-1.25	0.65	1.86
Stage10	-1.45	1.04	1.96
Stage10	-1.85	0.85	-0.48
Stage10	-2.25	0.66	-0.48
Stage10	-2.65	0.47	-0.48
Stage10	-3.05	0.28	-0.48
Stage10	-3.45	0.08	-0.48
Stage10	-3.85	-0.11	-0.48
Stage10	-4.25	-0.3	-0.48

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	-4.65	-0.49	-0.48
Stage10	-5.05	-0.68	-0.48
Stage10	-5.45	-0.87	-0.48
Stage10	-5.85	-1.06	-0.48
Stage10	-6.25	-1.25	-0.48
Stage10	-6.65	-1.44	-0.48
Stage10	-7.05	-1.63	-0.48
Stage10	-7.45	-1.82	-0.48
Stage10	-7.85	-1.86	-0.1
Stage10	-8.25	-1.14	1.8
Stage10	-8.65	2.77	9.79
Stage10	-9.05	2.96	0.47
Stage10	-9.45	1.9	-2.65
Stage10	-9.85	0.87	-2.59
Stage10	-10.25	0.24	-1.57
Stage10	-10.65	-0.03	-0.66
Stage10	-11.05	-0.08	-0.13
Stage10	-11.45	-0.05	0.07
Stage10	-11.85	-0.01	0.1
Stage10	-12.25	0.01	0.06
Stage10	-12.65	0.02	0.02
Stage10	-13.05	0.02	0
Stage10	-13.45	0.02	-0.01
Stage10	-13.85	0.02	-0.01
Stage10	-14.25	0.01	-0.01
Stage10	-14.65	0.01	0
Stage10	-15.05	0.01	0
Stage10	-15.45	0.01	0
Stage10	-15.85	0.01	0
Stage10	-16.25	0.01	0
Stage10	-16.65	0	-0.01
Stage10	-17.05	0	-0.01
Stage10	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Scavo NORM.

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	15.7	0	-1.82
Scavo NORM.	15.35	-0.64	-1.82
Scavo NORM.	14.95	6.94	18.95
Scavo NORM.	14.55	14.42	18.71
Scavo NORM.	14.15	21.71	18.21
Scavo NORM.	13.75	28.69	17.45
Scavo NORM.	13.35	34.82	15.33
Scavo NORM.	12.95	39.5	11.7
Scavo NORM.	12.55	42.15	6.62
Scavo NORM.	12.15	42.21	0.14
Scavo NORM.	11.75	39.23	-7.44
Scavo NORM.	11.35	32.82	-16.02
Scavo NORM.	10.95	22.66	-25.41
Scavo NORM.	10.55	8.55	-35.28
Scavo NORM.	10.15	-9.8	-45.87
Scavo NORM.	9.95	-20.69	-54.46
Scavo NORM.	9.55	-9.69	27.5
Scavo NORM.	9.15	-3.97	14.31
Scavo NORM.	8.75	-4.14	-0.41
Scavo NORM.	8.35	-4.3	-0.42
Scavo NORM.	7.95	-4.48	-0.46
Scavo NORM.	7.55	-4.71	-0.57
Scavo NORM.	7.15	-5.01	-0.75
Scavo NORM.	6.75	-5.44	-1.08
Scavo NORM.	6.35	-6.05	-1.51
Scavo NORM.	5.95	-6.74	-1.73
Scavo NORM.	5.55	-7.43	-1.73
Scavo NORM.	5.15	-8.12	-1.73
Scavo NORM.	4.75	-6.92	3.01
Scavo NORM.	4.35	-5.71	3
Scavo NORM.	3.95	-4.51	3
Scavo NORM.	3.55	-3.31	3
Scavo NORM.	3.15	-2.11	3
Scavo NORM.	2.75	-1.24	2.19
Scavo NORM.	2.35	-0.8	1.1
Scavo NORM.	1.95	-0.46	0.85
Scavo NORM.	1.55	-0.12	0.85
Scavo NORM.	1.15	0.22	0.85
Scavo NORM.	0.75	0.55	0.82
Scavo NORM.	0.35	0.81	0.64
Scavo NORM.	-0.05	0.89	0.2
Scavo NORM.	-0.45	0.67	-0.55
Scavo NORM.	-0.85	0.09	-1.44
Scavo NORM.	-1.25	-0.66	-1.86
Scavo NORM.	-1.45	-1.05	-1.95
Scavo NORM.	-1.85	-0.85	0.49
Scavo NORM.	-2.25	-0.65	0.49
Scavo NORM.	-2.65	-0.46	0.49
Scavo NORM.	-3.05	-0.26	0.49
Scavo NORM.	-3.45	-0.07	0.48
Scavo NORM.	-3.85	0.12	0.47
Scavo NORM.	-4.25	0.29	0.44

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	-4.65	0.45	0.38
Scavo NORM.	-5.05	0.58	0.33
Scavo NORM.	-5.45	0.72	0.34
Scavo NORM.	-5.85	0.86	0.34
Scavo NORM.	-6.25	0.99	0.34
Scavo NORM.	-6.65	1.13	0.34
Scavo NORM.	-7.05	1.27	0.34
Scavo NORM.	-7.45	1.41	0.34
Scavo NORM.	-7.85	1.54	0.34
Scavo NORM.	-8.25	1.68	0.34
Scavo NORM.	-8.65	1.22	-1.17
Scavo NORM.	-9.05	-2.56	-9.44
Scavo NORM.	-9.45	-2.82	-0.64
Scavo NORM.	-9.85	-1.84	2.44
Scavo NORM.	-10.25	-0.85	2.46
Scavo NORM.	-10.65	-0.25	1.52
Scavo NORM.	-11.05	0.01	0.65
Scavo NORM.	-11.45	0.07	0.14
Scavo NORM.	-11.85	0.05	-0.06
Scavo NORM.	-12.25	0.01	-0.09
Scavo NORM.	-12.65	-0.01	-0.06
Scavo NORM.	-13.05	-0.02	-0.02
Scavo NORM.	-13.45	-0.02	0
Scavo NORM.	-13.85	-0.02	0.01
Scavo NORM.	-14.25	-0.02	0.01
Scavo NORM.	-14.65	-0.01	0.01
Scavo NORM.	-15.05	-0.01	0
Scavo NORM.	-15.45	-0.01	0
Scavo NORM.	-15.85	-0.01	0
Scavo NORM.	-16.25	-0.01	0
Scavo NORM.	-16.65	0	0.01
Scavo NORM.	-17.05	0	0.01
Scavo NORM.	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Scavo NORM.

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	15.7	0	1.82
Scavo NORM.	15.35	0.64	1.82
Scavo NORM.	14.95	-6.94	-18.95
Scavo NORM.	14.55	-14.42	-18.71
Scavo NORM.	14.15	-21.71	-18.21
Scavo NORM.	13.75	-28.69	-17.45
Scavo NORM.	13.35	-34.82	-15.33
Scavo NORM.	12.95	-39.5	-11.7
Scavo NORM.	12.55	-42.15	-6.62
Scavo NORM.	12.15	-42.21	-0.14
Scavo NORM.	11.75	-39.23	7.44
Scavo NORM.	11.35	-32.82	16.02
Scavo NORM.	10.95	-22.66	25.41
Scavo NORM.	10.55	-8.55	35.28
Scavo NORM.	10.15	9.8	45.87
Scavo NORM.	9.95	20.69	54.46
Scavo NORM.	9.55	9.69	-27.5
Scavo NORM.	9.15	3.97	-14.31
Scavo NORM.	8.75	4.14	0.41
Scavo NORM.	8.35	4.3	0.42
Scavo NORM.	7.95	4.48	0.46
Scavo NORM.	7.55	4.71	0.57
Scavo NORM.	7.15	5.01	0.75
Scavo NORM.	6.75	5.44	1.08
Scavo NORM.	6.35	6.05	1.51
Scavo NORM.	5.95	6.74	1.73
Scavo NORM.	5.55	7.43	1.73
Scavo NORM.	5.15	8.12	1.73
Scavo NORM.	4.75	6.92	-3.01
Scavo NORM.	4.35	5.71	-3
Scavo NORM.	3.95	4.51	-3
Scavo NORM.	3.55	3.31	-3
Scavo NORM.	3.15	2.11	-3
Scavo NORM.	2.75	1.24	-2.19
Scavo NORM.	2.35	0.8	-1.1
Scavo NORM.	1.95	0.46	-0.85
Scavo NORM.	1.55	0.12	-0.85
Scavo NORM.	1.15	-0.22	-0.85
Scavo NORM.	0.75	-0.55	-0.82
Scavo NORM.	0.35	-0.81	-0.64
Scavo NORM.	-0.05	-0.89	-0.2
Scavo NORM.	-0.45	-0.67	0.55
Scavo NORM.	-0.85	-0.09	1.44
Scavo NORM.	-1.25	0.66	1.86
Scavo NORM.	-1.45	1.05	1.95
Scavo NORM.	-1.85	0.85	-0.49
Scavo NORM.	-2.25	0.65	-0.49
Scavo NORM.	-2.65	0.46	-0.49
Scavo NORM.	-3.05	0.26	-0.49
Scavo NORM.	-3.45	0.07	-0.48
Scavo NORM.	-3.85	-0.12	-0.47
Scavo NORM.	-4.25	-0.29	-0.44

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	-4.65	-0.45	-0.38
Scavo NORM.	-5.05	-0.58	-0.33
Scavo NORM.	-5.45	-0.72	-0.34
Scavo NORM.	-5.85	-0.86	-0.34
Scavo NORM.	-6.25	-0.99	-0.34
Scavo NORM.	-6.65	-1.13	-0.34
Scavo NORM.	-7.05	-1.27	-0.34
Scavo NORM.	-7.45	-1.41	-0.34
Scavo NORM.	-7.85	-1.54	-0.34
Scavo NORM.	-8.25	-1.68	-0.34
Scavo NORM.	-8.65	-1.22	1.17
Scavo NORM.	-9.05	2.56	9.44
Scavo NORM.	-9.45	2.82	0.64
Scavo NORM.	-9.85	1.84	-2.44
Scavo NORM.	-10.25	0.85	-2.46
Scavo NORM.	-10.65	0.25	-1.52
Scavo NORM.	-11.05	-0.01	-0.65
Scavo NORM.	-11.45	-0.07	-0.14
Scavo NORM.	-11.85	-0.05	0.06
Scavo NORM.	-12.25	-0.01	0.09
Scavo NORM.	-12.65	0.01	0.06
Scavo NORM.	-13.05	0.02	0.02
Scavo NORM.	-13.45	0.02	0
Scavo NORM.	-13.85	0.02	-0.01
Scavo NORM.	-14.25	0.02	-0.01
Scavo NORM.	-14.65	0.01	-0.01
Scavo NORM.	-15.05	0.01	0
Scavo NORM.	-15.45	0.01	0
Scavo NORM.	-15.85	0.01	0
Scavo NORM.	-16.25	0.01	0
Scavo NORM.	-16.65	0	-0.01
Scavo NORM.	-17.05	0	-0.01
Scavo NORM.	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Sisma

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sisma	15.7	0	-1.93
Sisma	15.35	-0.68	-1.93
Sisma	14.95	11.91	31.45
Sisma	14.55	22.72	27.03
Sisma	14.15	31.75	22.59
Sisma	13.75	39.02	18.16
Sisma	13.35	44.5	13.71
Sisma	12.95	47.97	8.68
Sisma	12.55	48.95	2.43
Sisma	12.15	46.94	-5.02
Sisma	11.75	41.48	-13.65
Sisma	11.35	32.09	-23.47
Sisma	10.95	18.29	-34.5
Sisma	10.55	-0.41	-46.75
Sisma	10.15	-24.49	-60.22
Sisma	9.95	-38.74	-71.22
Sisma	9.55	-19.2	48.84
Sisma	9.15	-6.27	32.32
Sisma	8.75	-0.43	14.61
Sisma	8.35	3.63	10.15
Sisma	7.95	5.86	5.59
Sisma	7.55	6.18	0.8
Sisma	7.15	4.29	-4.73
Sisma	6.75	-0.08	-10.94
Sisma	6.35	-6.95	-17.17
Sisma	5.95	-15.61	-21.65
Sisma	5.55	-26.03	-26.04
Sisma	5.15	-38.2	-30.43
Sisma	4.75	-25.03	32.93
Sisma	4.35	-13.61	28.54
Sisma	3.95	-3.95	24.15
Sisma	3.55	3.95	19.75
Sisma	3.15	10.09	15.36
Sisma	2.75	14.39	10.75
Sisma	2.35	16.83	6.1
Sisma	1.95	17.42	1.48
Sisma	1.55	16.15	-3.17
Sisma	1.15	13.01	-7.85
Sisma	0.75	7.92	-12.73
Sisma	0.35	0.77	-17.88
Sisma	-0.05	-8.45	-23.04
Sisma	-0.45	-19.44	-27.46
Sisma	-0.85	-32.18	-31.86
Sisma	-1.25	-46.68	-36.25
Sisma	-1.45	-54.59	-39.54
Sisma	-1.85	-36.48	45.26
Sisma	-2.25	-20.13	40.87
Sisma	-2.65	-5.54	36.48
Sisma	-3.05	7.29	32.09
Sisma	-3.45	18.37	27.69
Sisma	-3.85	26.8	21.08
Sisma	-4.25	32.56	14.39

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sisma	-4.65	35.95	8.49
Sisma	-5.05	37.35	3.48
Sisma	-5.45	36.98	-0.93
Sisma	-5.85	34.85	-5.33
Sisma	-6.25	30.96	-9.72
Sisma	-6.65	25.31	-14.11
Sisma	-7.05	17.91	-18.5
Sisma	-7.45	8.76	-22.89
Sisma	-7.85	-2.16	-27.29
Sisma	-8.25	-14.83	-31.68
Sisma	-8.65	-29.86	-37.58
Sisma	-9.05	-47.86	-44.99
Sisma	-9.45	-41.52	15.86
Sisma	-9.85	-23.49	45.08
Sisma	-10.25	-8.77	36.79
Sisma	-10.65	-0.9	19.67
Sisma	-11.05	1.79	6.73
Sisma	-11.45	1.86	0.19
Sisma	-11.85	1.13	-1.84
Sisma	-12.25	0.45	-1.7
Sisma	-12.65	0.06	-0.98
Sisma	-13.05	-0.09	-0.37
Sisma	-13.45	-0.11	-0.04
Sisma	-13.85	-0.07	0.08
Sisma	-14.25	-0.04	0.08
Sisma	-14.65	-0.02	0.05
Sisma	-15.05	-0.01	0.02
Sisma	-15.45	-0.01	0.01
Sisma	-15.85	-0.01	0
Sisma	-16.25	-0.01	0
Sisma	-16.65	0	0
Sisma	-17.05	0	0.01
Sisma	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Sisma

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sisma	15.7	0	3.23
Sisma	15.35	1.13	3.23
Sisma	14.95	-10.42	-28.87
Sisma	14.55	-20.42	-25.01
Sisma	14.15	-29.11	-21.73
Sisma	13.75	-36.64	-18.82
Sisma	13.35	-42.61	-14.93
Sisma	12.95	-46.54	-9.81
Sisma	12.55	-47.89	-3.38
Sisma	12.15	-46.13	4.4
Sisma	11.75	-40.78	13.38
Sisma	11.35	-31.38	23.5
Sisma	10.95	-17.54	34.58
Sisma	10.55	0.97	46.28
Sisma	10.15	24.46	58.73
Sisma	9.95	38.19	68.63
Sisma	9.55	17.13	-52.66
Sisma	9.15	1.82	-38.27
Sisma	8.75	-7.34	-22.91
Sisma	8.35	-6.46	2.21
Sisma	7.95	-4.28	5.46
Sisma	7.55	-2.09	5.46
Sisma	7.15	0.09	5.46
Sisma	6.75	2.28	5.46
Sisma	6.35	4.46	5.46
Sisma	5.95	6.72	5.65
Sisma	5.55	10.88	10.4
Sisma	5.15	20.2	23.3
Sisma	4.75	9.39	-27.03
Sisma	4.35	4.3	-12.73
Sisma	3.95	2.52	-4.44
Sisma	3.55	1.95	-1.42
Sisma	3.15	1.38	-1.42
Sisma	2.75	0.81	-1.42
Sisma	2.35	0.25	-1.42
Sisma	1.95	-0.32	-1.42
Sisma	1.55	-0.89	-1.42
Sisma	1.15	-1.46	-1.42
Sisma	0.75	-2.03	-1.42
Sisma	0.35	-2.6	-1.42
Sisma	-0.05	-3.17	-1.42
Sisma	-0.45	-3.24	-0.17
Sisma	-0.85	-0.26	7.44
Sisma	-1.25	8.77	22.58
Sisma	-1.45	16.62	39.24
Sisma	-1.85	4.16	-31.14
Sisma	-2.25	-0.77	-12.31
Sisma	-2.65	-1.61	-2.12
Sisma	-3.05	-1.59	0.05
Sisma	-3.45	-1.57	0.05
Sisma	-3.85	-1.55	0.05
Sisma	-4.25	-1.53	0.05

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

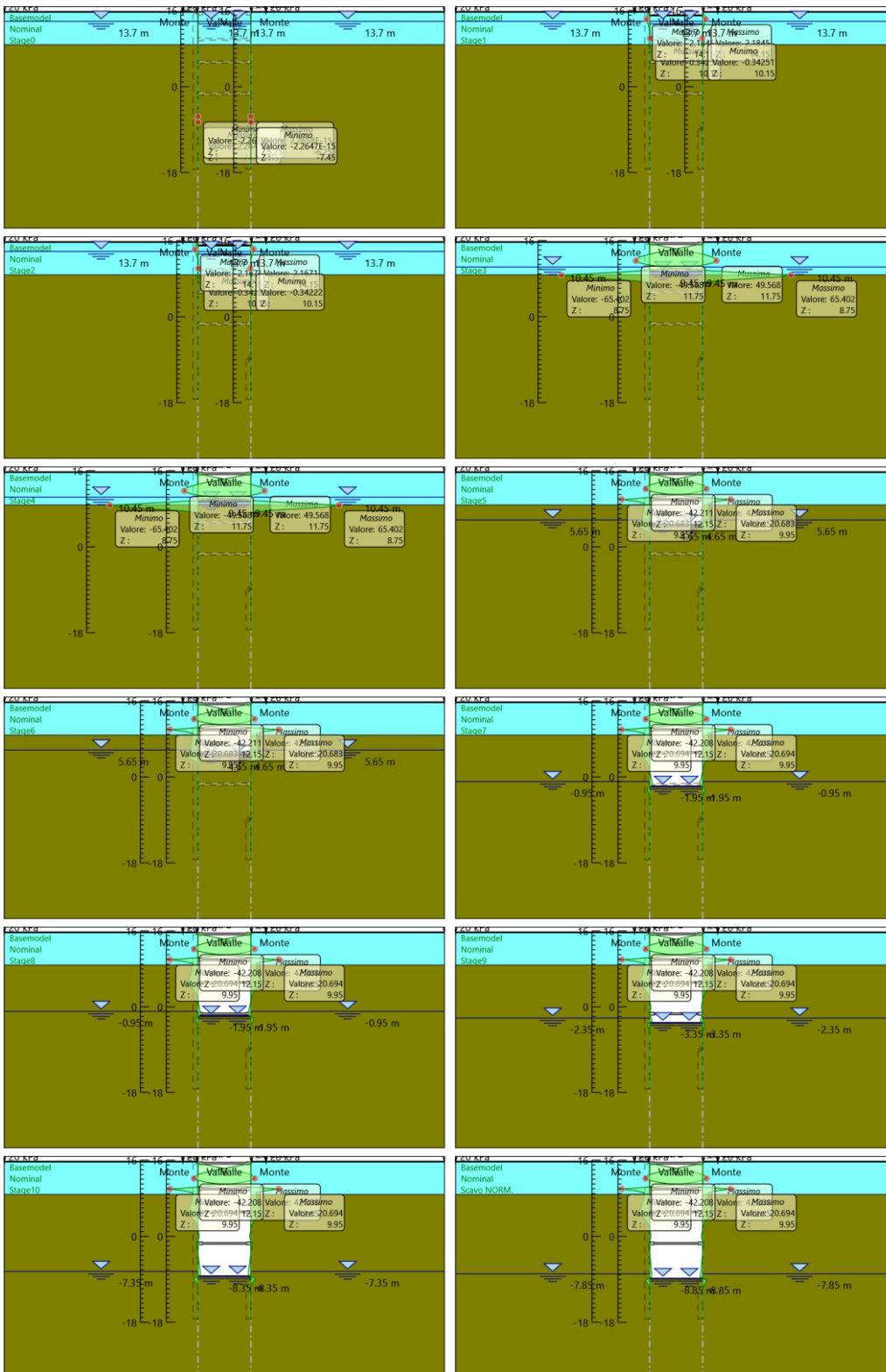
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Sisma	-4.65	-1.51	0.05
Sisma	-5.05	-1.49	0.05
Sisma	-5.45	-1.47	0.05
Sisma	-5.85	-1.45	0.05
Sisma	-6.25	-1.43	0.05
Sisma	-6.65	-1.41	0.05
Sisma	-7.05	-1.39	0.05
Sisma	-7.45	-1.37	0.05
Sisma	-7.85	-1.35	0.05
Sisma	-8.25	-1.33	0.05
Sisma	-8.65	-0.71	1.56
Sisma	-9.05	3.28	9.97
Sisma	-9.45	3.44	0.42
Sisma	-9.85	2.19	-3.14
Sisma	-10.25	0.98	-3.02
Sisma	-10.65	0.26	-1.81
Sisma	-11.05	-0.04	-0.75
Sisma	-11.45	-0.1	-0.14
Sisma	-11.85	-0.06	0.09
Sisma	-12.25	-0.02	0.12
Sisma	-12.65	0.01	0.07
Sisma	-13.05	0.02	0.03
Sisma	-13.45	0.02	0
Sisma	-13.85	0.02	-0.01
Sisma	-14.25	0.02	-0.01
Sisma	-14.65	0.01	-0.01
Sisma	-15.05	0.01	-0.01
Sisma	-15.45	0.01	0
Sisma	-15.85	0.01	-0.01
Sisma	-16.25	0	-0.01
Sisma	-16.65	0	-0.01
Sisma	-17.05	0	0
Sisma	-17.3	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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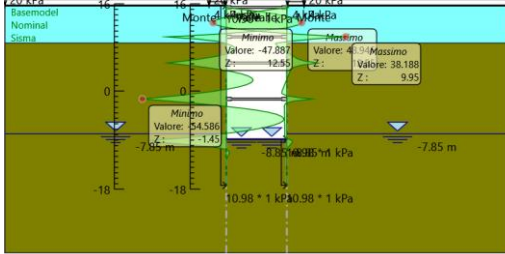
Grafico Momento Nominal



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIE

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

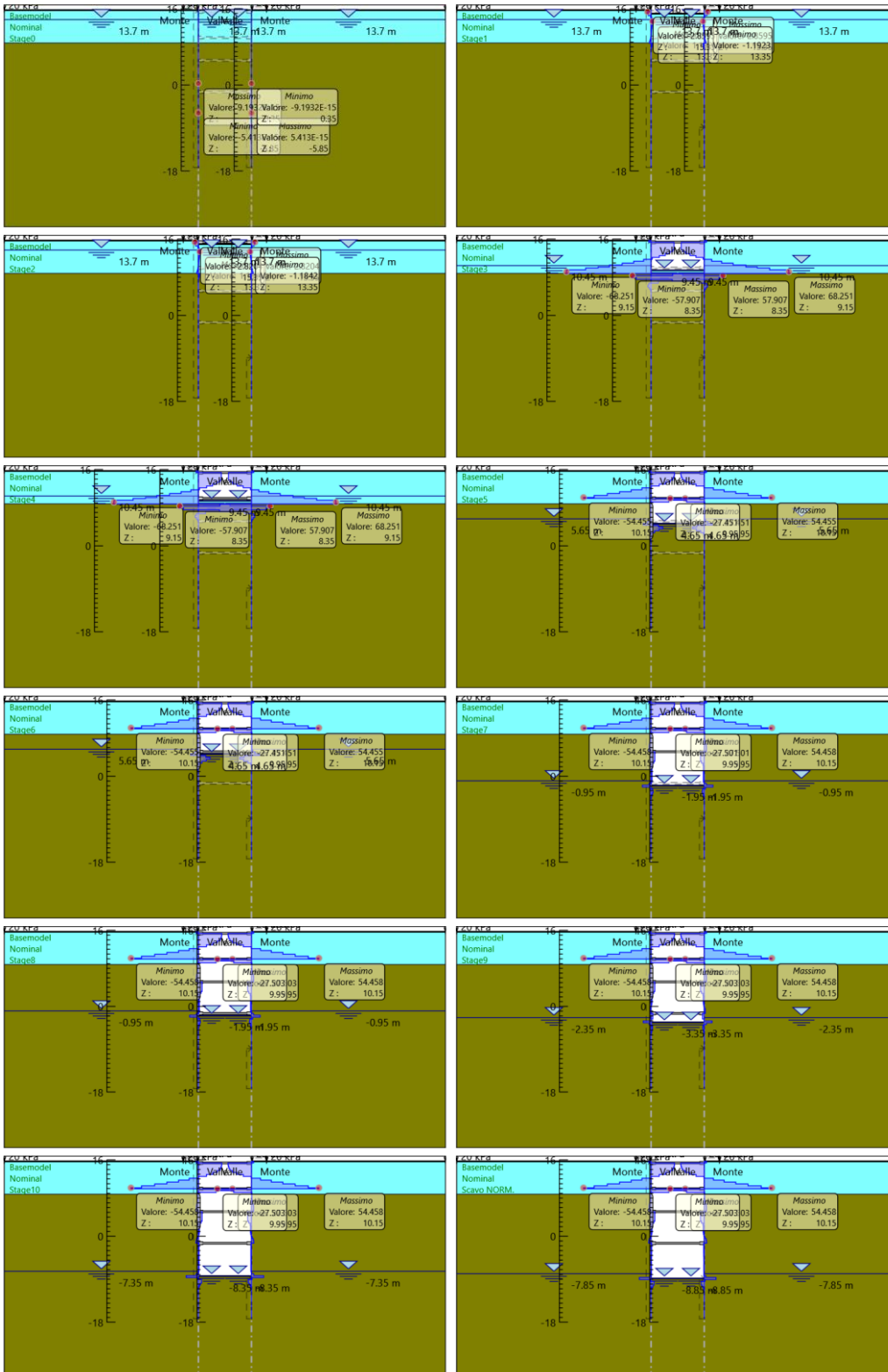


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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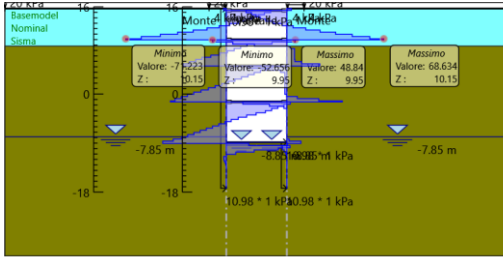
Grafico Taglio Nominal



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Risultati Terreno

Tabella Risultati Terreno Paratia - Nominal - Stage0

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Coazione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C	0.3613.222	14	0	0	0	0
Stage0	15.35	16.25	15.155	V-C	0.3613.222	14	0	0	0	15.155
Stage0	14.95	27.419	19.695	V-C	0.3613.222	14	0	0	0	19.695
Stage0	14.55	36.919	24.121	V-C	0.3613.222	14	0	0	0	24.121
Stage0	14.15	45.605	28.567	V-C	0.3613.222	14	0	0	0	28.567
Stage0	13.75	54.185	33.044	V-C	0.3613.222	14	0	0	0	33.044
Stage0	13.35	59.378	35.473	V-C	0.3613.222	14	3.5	0	0	38.973
Stage0	12.95	63.884	37.631	V-C	0.3613.222	14	7.5	0	0	45.131
Stage0	12.55	68.268	39.809	V-C	0.3613.222	14	11.5	0	0	51.309
Stage0	12.15	71.449	42.002	V-C	0.3613.222	14	15.5	0	0	57.502
Stage0	11.75	75.003	44.208	V-C	0.3613.222	14	19.5	0	0	63.708
Stage0	11.35	78.804	46.423	V-C	0.3613.222	14	23.5	0	0	69.923
Stage0	10.95	82.635	48.646	V-C	0.3613.222	14	27.5	0	0	76.146
Stage0	10.55	86.489	50.875	V-C	0.3613.222	14	31.5	0	0	82.375
Stage0	10.15	90.363	53.108	V-C	0.3613.222	14	35.5	0	0	88.608
Stage0	9.95	92.616	54.226	V-C	0.3613.222	14	37.5	0	0	91.726
Stage0	9.55	96.493	56.465	V-C	0.3613.222	14	41.5	0	0	97.965
Stage0	9.15	100.384	58.707	V-C	0.3613.222	14	45.5	0	0	104.207
Stage0	8.75	104.587	30.956	V-C	0.12 20.3	344	49.5	0	0	80.456
Stage0	8.35	110.899	32.475	V-C	0.12 20.3	344	53.5	0	0	85.975
Stage0	7.95	117.221	33.996	V-C	0.12 20.3	344	57.5	0	0	91.496
Stage0	7.55	123.549	35.518	V-C	0.12 20.3	344	61.5	0	0	97.018
Stage0	7.15	129.884	37.042	V-C	0.12 20.3	344	65.5	0	0	102.542
Stage0	6.75	136.224	38.568	V-C	0.12 20.3	344	69.5	0	0	108.068
Stage0	6.35	142.569	40.095	V-C	0.12 20.3	344	73.5	0	0	113.595
Stage0	5.95	148.918	41.624	V-C	0.12 20.3	344	77.5	0	0	119.124
Stage0	5.55	155.629	43.154	V-C	0.12 20.3	344	81.5	0	0	124.654
Stage0	5.15	161.972	44.685	V-C	0.12 20.3	344	85.5	0	0	130.185
Stage0	4.75	168.32	46.218	V-C	0.12 20.3	344	89.5	0	0	135.718
Stage0	4.35	174.671	47.752	V-C	0.12 20.3	344	93.5	0	0	141.252
Stage0	3.95	181.025	49.287	V-C	0.12 20.3	344	97.5	0	0	146.787
Stage0	3.55	187.382	50.823	V-C	0.12 20.3	344	101.5	0	0	152.323
Stage0	3.15	193.742	52.361	V-C	0.12 20.3	344	105.5	0	0	157.861
Stage0	2.75	200.104	53.9	V-C	0.12 20.3	344	109.5	0	0	163.4
Stage0	2.35	206.469	55.441	V-C	0.12 20.3	344	113.5	0	0	168.941
Stage0	1.95	212.835	56.982	V-C	0.12 20.3	344	117.5	0	0	174.482
Stage0	1.55	219.203	58.525	V-C	0.12 20.3	344	121.5	0	0	180.025
Stage0	1.15	225.573	60.07	V-C	0.12 20.3	344	125.5	0	0	185.57
Stage0	0.75	232.189	61.615	V-C	0.12 20.3	344	129.5	0	0	191.115
Stage0	0.35	238.555	63.162	V-C	0.12 20.3	344	133.5	0	0	196.662
Stage0	-0.05	244.924	64.711	V-C	0.12 20.3	344	137.5	0	0	202.211
Stage0	-0.45	251.294	66.26	V-C	0.12 20.3	344	141.5	0	0	207.76
Stage0	-0.85	257.665	67.811	V-C	0.12 20.3	344	145.5	0	0	213.311
Stage0	-1.25	264.038	69.364	V-C	0.12 20.3	344	149.5	0	0	218.864
Stage0	-1.45	267.331	70.14	V-C	0.12 20.3	344	151.5	0	0	221.64
Stage0	-1.85	273.703	71.695	V-C	0.12 20.3	344	155.5	0	0	227.195
Stage0	-2.25	280.076	73.251	V-C	0.12 20.3	344	159.5	0	0	232.75
Stage0	-2.65	286.451	74.808	V-C	0.12 20.3	344	163.5	0	0	238.308
Stage0	-3.05	292.826	76.366	V-C	0.12 20.3	344	167.5	0	0	243.866
Stage0	-3.45	299.203	77.926	V-C	0.12 20.3	344	171.5	0	0	249.426

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Ka	Lato LEFT	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	-3.85	305.58	79.487	V-C	0.12	20.3	344	175.5	0	0	254.987	
Stage0	-4.25	311.959	81.049	V-C	0.12	20.3	344	179.5	0	0	260.549	
Stage0	-4.65	318.338	82.613	V-C	0.12	20.3	344	183.5	0	0	266.113	
Stage0	-5.05	324.718	84.178	V-C	0.12	20.3	344	187.5	0	0	271.678	
Stage0	-5.45	331.098	85.744	V-C	0.12	20.3	344	191.5	0	0	277.244	
Stage0	-5.85	337.48	87.312	V-C	0.12	20.3	344	195.5	0	0	282.812	
Stage0	-6.25	344.029	88.88	V-C	0.12	20.3	344	199.5	0	0	288.38	
Stage0	-6.65	350.408	90.45	V-C	0.12	20.3	344	203.5	0	0	293.95	
Stage0	-7.05	356.789	92.022	V-C	0.12	20.3	344	207.5	0	0	299.522	
Stage0	-7.45	363.17	93.595	V-C	0.12	20.3	344	211.5	0	0	305.094	
Stage0	-7.85	369.552	95.168	V-C	0.12	20.3	344	215.5	0	0	310.668	
Stage0	-8.25	375.934	96.744	V-C	0.12	20.3	344	219.5	0	0	316.244	
Stage0	-8.65	382.317	98.32	V-C	0.12	20.3	344	223.5	0	0	321.82	
Stage0	-9.05	388.701	99.897	V-C	0.12	20.3	344	227.5	0	0	327.398	
Stage0	-9.45	395.085	101.476	V-C	0.12	20.3	344	231.5	0	0	332.976	
Stage0	-9.85	401.469	103.056	V-C	0.12	20.3	344	235.5	0	0	338.556	
Stage0	-10.25	407.854	104.637	V-C	0.12	20.3	344	239.5	0	0	344.137	
Stage0	-10.65	414.24	106.22	V-C	0.12	20.3	344	243.5	0	0	349.72	
Stage0	-11.05	420.762	107.803	V-C	0.12	20.3	344	247.5	0	0	355.303	
Stage0	-11.45	427.147	109.387	V-C	0.12	20.3	344	251.5	0	0	360.888	
Stage0	-11.85	433.531	110.973	V-C	0.12	20.3	344	255.5	0	0	366.473	
Stage0	-12.25	439.916	112.56	V-C	0.12	20.3	344	259.5	0	0	372.06	
Stage0	-12.65	446.302	114.148	V-C	0.12	20.3	344	263.5	0	0	377.648	
Stage0	-13.05	452.688	115.736	V-C	0.12	20.3	344	267.5	0	0	383.236	
Stage0	-13.45	459.074	117.326	V-C	0.12	20.3	344	271.5	0	0	388.826	
Stage0	-13.85	465.461	118.917	V-C	0.12	20.3	344	275.5	0	0	394.417	
Stage0	-14.25	471.848	120.509	V-C	0.12	20.3	344	279.5	0	0	400.009	
Stage0	-14.65	478.235	122.102	V-C	0.12	20.3	344	283.5	0	0	405.602	
Stage0	-15.05	484.623	123.696	V-C	0.12	20.3	344	287.5	0	0	411.196	
Stage0	-15.45	491.129	125.291	V-C	0.12	20.3	344	291.5	0	0	416.791	
Stage0	-15.85	497.516	126.887	V-C	0.12	20.3	344	295.5	0	0	422.387	
Stage0	-16.25	503.903	128.484	V-C	0.12	20.3	344	299.5	0	0	427.984	
Stage0	-16.65	510.29	130.082	V-C	0.12	20.3	344	303.5	0	0	433.582	
Stage0	-17.05	516.678	131.681	V-C	0.12	20.3	344	307.5	0	0	439.18	
Stage0	-17.3	520.712	132.68	V-C	0.12	20.3	344	310	0	0	442.68	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	15.7	0	0	V-C	0.361	3.222	14	0	0	0
Stage0	15.35	7	15.155	V-C	0.361	3.222	14	0	0	15.155
Stage0	14.95	15	19.695	V-C	0.361	3.222	14	0	0	19.695
Stage0	14.55	23	24.121	V-C	0.361	3.222	14	0	0	24.121
Stage0	14.15	31	28.567	V-C	0.361	3.222	14	0	0	28.567
Stage0	13.75	39	33.044	V-C	0.361	3.222	14	0	0	33.044
Stage0	13.35	43.5	35.473	V-C	0.361	3.222	14	3.5	0	38.973
Stage0	12.95	47.5	37.631	V-C	0.361	3.222	14	7.5	0	45.131
Stage0	12.55	51.5	39.809	V-C	0.361	3.222	14	11.5	0	51.309
Stage0	12.15	55.5	42.002	V-C	0.361	3.222	14	15.5	0	57.502
Stage0	11.75	59.5	44.208	V-C	0.361	3.222	14	19.5	0	63.708
Stage0	11.35	63.5	46.423	V-C	0.361	3.222	14	23.5	0	69.923
Stage0	10.95	67.5	48.646	V-C	0.361	3.222	14	27.5	0	76.146
Stage0	10.55	71.5	50.875	V-C	0.361	3.222	14	31.5	0	82.375
Stage0	10.15	75.5	53.108	V-C	0.361	3.222	14	35.5	0	88.608
Stage0	9.95	77.5	54.226	V-C	0.361	3.222	14	37.5	0	91.726
Stage0	9.55	81.5	56.465	V-C	0.361	3.222	14	41.5	0	97.965
Stage0	9.15	85.5	58.707	V-C	0.361	3.222	14	45.5	0	104.207
Stage0	8.75	89.8	30.956	V-C	0.12	20.3	344	49.5	0	80.456
Stage0	8.35	96.2	32.475	V-C	0.12	20.3	344	53.5	0	85.975
Stage0	7.95	102.6	33.996	V-C	0.12	20.3	344	57.5	0	91.496
Stage0	7.55	109	35.518	V-C	0.12	20.3	344	61.5	0	97.018
Stage0	7.15	115.4	37.042	V-C	0.12	20.3	344	65.5	0	102.542
Stage0	6.75	121.8	38.568	V-C	0.12	20.3	344	69.5	0	108.068
Stage0	6.35	128.2	40.095	V-C	0.12	20.3	344	73.5	0	113.595
Stage0	5.95	134.6	41.624	V-C	0.12	20.3	344	77.5	0	119.124
Stage0	5.55	141	43.154	V-C	0.12	20.3	344	81.5	0	124.654
Stage0	5.15	147.4	44.685	V-C	0.12	20.3	344	85.5	0	130.185
Stage0	4.75	153.8	46.218	V-C	0.12	20.3	344	89.5	0	135.718
Stage0	4.35	160.2	47.752	V-C	0.12	20.3	344	93.5	0	141.252
Stage0	3.95	166.6	49.287	V-C	0.12	20.3	344	97.5	0	146.787
Stage0	3.55	173	50.823	V-C	0.12	20.3	344	101.5	0	152.323
Stage0	3.15	179.4	52.361	V-C	0.12	20.3	344	105.5	0	157.861
Stage0	2.75	185.8	53.9	V-C	0.12	20.3	344	109.5	0	163.4
Stage0	2.35	192.2	55.441	V-C	0.12	20.3	344	113.5	0	168.941
Stage0	1.95	198.6	56.982	V-C	0.12	20.3	344	117.5	0	174.482
Stage0	1.55	205	58.525	V-C	0.12	20.3	344	121.5	0	180.025
Stage0	1.15	211.4	60.07	V-C	0.12	20.3	344	125.5	0	185.57
Stage0	0.75	217.8	61.615	V-C	0.12	20.3	344	129.5	0	191.115
Stage0	0.35	224.2	63.162	V-C	0.12	20.3	344	133.5	0	196.662
Stage0	-0.05	230.6	64.711	V-C	0.12	20.3	344	137.5	0	202.211
Stage0	-0.45	237	66.26	V-C	0.12	20.3	344	141.5	0	207.76
Stage0	-0.85	243.4	67.811	V-C	0.12	20.3	344	145.5	0	213.311
Stage0	-1.25	249.8	69.364	V-C	0.12	20.3	344	149.5	0	218.864
Stage0	-1.45	253	70.14	V-C	0.12	20.3	344	151.5	0	221.64
Stage0	-1.85	259.4	71.695	V-C	0.12	20.3	344	155.5	0	227.195
Stage0	-2.25	265.8	73.251	V-C	0.12	20.3	344	159.5	0	232.75
Stage0	-2.65	272.2	74.808	V-C	0.12	20.3	344	163.5	0	238.308
Stage0	-3.05	278.6	76.366	V-C	0.12	20.3	344	167.5	0	243.866
Stage0	-3.45	285	77.926	V-C	0.12	20.3	344	171.5	0	249.426
Stage0	-3.85	291.4	79.487	V-C	0.12	20.3	344	175.5	0	254.987
Stage0	-4.25	297.8	81.049	V-C	0.12	20.3	344	179.5	0	260.549
Stage0	-4.65	304.2	82.613	V-C	0.12	20.3	344	183.5	0	266.113
Stage0	-5.05	310.6	84.178	V-C	0.12	20.3	344	187.5	0	271.678
Stage0	-5.45	317	85.744	V-C	0.12	20.3	344	191.5	0	277.244

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	-5.85	323.4	87.312	V-C	0.12	20.3	344	195.5	0	0	282.812
Stage0	-6.25	329.8	88.88	V-C	0.12	20.3	344	199.5	0	0	288.38
Stage0	-6.65	336.2	90.45	V-C	0.12	20.3	344	203.5	0	0	293.95
Stage0	-7.05	342.6	92.022	V-C	0.12	20.3	344	207.5	0	0	299.522
Stage0	-7.45	349	93.595	V-C	0.12	20.3	344	211.5	0	0	305.094
Stage0	-7.85	355.4	95.168	V-C	0.12	20.3	344	215.5	0	0	310.668
Stage0	-8.25	361.8	96.744	V-C	0.12	20.3	344	219.5	0	0	316.244
Stage0	-8.65	368.2	98.32	V-C	0.12	20.3	344	223.5	0	0	321.82
Stage0	-9.05	374.6	99.897	V-C	0.12	20.3	344	227.5	0	0	327.398
Stage0	-9.45	381	101.476	V-C	0.12	20.3	344	231.5	0	0	332.976
Stage0	-9.85	387.4	103.056	V-C	0.12	20.3	344	235.5	0	0	338.556
Stage0	-10.25	393.8	104.637	V-C	0.12	20.3	344	239.5	0	0	344.137
Stage0	-10.65	400.2	106.22	V-C	0.12	20.3	344	243.5	0	0	349.72
Stage0	-11.05	406.6	107.803	V-C	0.12	20.3	344	247.5	0	0	355.303
Stage0	-11.45	413	109.387	V-C	0.12	20.3	344	251.5	0	0	360.888
Stage0	-11.85	419.4	110.973	V-C	0.12	20.3	344	255.5	0	0	366.473
Stage0	-12.25	425.8	112.56	V-C	0.12	20.3	344	259.5	0	0	372.06
Stage0	-12.65	432.2	114.148	V-C	0.12	20.3	344	263.5	0	0	377.648
Stage0	-13.05	438.6	115.736	V-C	0.12	20.3	344	267.5	0	0	383.236
Stage0	-13.45	445	117.326	V-C	0.12	20.3	344	271.5	0	0	388.826
Stage0	-13.85	451.4	118.917	V-C	0.12	20.3	344	275.5	0	0	394.417
Stage0	-14.25	457.8	120.509	V-C	0.12	20.3	344	279.5	0	0	400.009
Stage0	-14.65	464.2	122.102	V-C	0.12	20.3	344	283.5	0	0	405.602
Stage0	-15.05	470.6	123.696	V-C	0.12	20.3	344	287.5	0	0	411.196
Stage0	-15.45	477	125.291	V-C	0.12	20.3	344	291.5	0	0	416.791
Stage0	-15.85	483.4	126.887	V-C	0.12	20.3	344	295.5	0	0	422.387
Stage0	-16.25	489.8	128.484	V-C	0.12	20.3	344	299.5	0	0	427.984
Stage0	-16.65	496.2	130.082	V-C	0.12	20.3	344	303.5	0	0	433.582
Stage0	-17.05	502.6	131.681	V-C	0.12	20.3	344	307.5	0	0	439.18
Stage0	-17.3	506.6	132.68	V-C	0.12	20.3	344	310	0	0	442.68

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage0

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C	0.361	3.222	14	0	0	0	0
Stage0	15.35	7	15.155	V-C	0.361	3.222	14	0	0	0	15.155
Stage0	14.95	15	19.695	V-C	0.361	3.222	14	0	0	0	19.695
Stage0	14.55	23	24.121	V-C	0.361	3.222	14	0	0	0	24.121
Stage0	14.15	31	28.567	V-C	0.361	3.222	14	0	0	0	28.567
Stage0	13.75	39	33.044	V-C	0.361	3.222	14	0	0	0	33.044
Stage0	13.35	43.5	35.473	V-C	0.361	3.222	14	3.5	0	0	38.973
Stage0	12.95	47.5	37.631	V-C	0.361	3.222	14	7.5	0	0	45.131
Stage0	12.55	51.5	39.809	V-C	0.361	3.222	14	11.5	0	0	51.309
Stage0	12.15	55.5	42.002	V-C	0.361	3.222	14	15.5	0	0	57.502
Stage0	11.75	59.5	44.208	V-C	0.361	3.222	14	19.5	0	0	63.708
Stage0	11.35	63.5	46.423	V-C	0.361	3.222	14	23.5	0	0	69.923
Stage0	10.95	67.5	48.646	V-C	0.361	3.222	14	27.5	0	0	76.146
Stage0	10.55	71.5	50.875	V-C	0.361	3.222	14	31.5	0	0	82.375
Stage0	10.15	75.5	53.108	V-C	0.361	3.222	14	35.5	0	0	88.608
Stage0	9.95	77.5	54.226	V-C	0.361	3.222	14	37.5	0	0	91.726
Stage0	9.55	81.5	56.465	V-C	0.361	3.222	14	41.5	0	0	97.965
Stage0	9.15	85.5	58.707	V-C	0.361	3.222	14	45.5	0	0	104.207
Stage0	8.75	89.8	30.956	V-C	0.12	20.3	344	49.5	0	0	80.456
Stage0	8.35	96.2	32.475	V-C	0.12	20.3	344	53.5	0	0	85.975
Stage0	7.95	102.6	33.996	V-C	0.12	20.3	344	57.5	0	0	91.496
Stage0	7.55	109	35.518	V-C	0.12	20.3	344	61.5	0	0	97.018
Stage0	7.15	115.4	37.042	V-C	0.12	20.3	344	65.5	0	0	102.542
Stage0	6.75	121.8	38.568	V-C	0.12	20.3	344	69.5	0	0	108.068
Stage0	6.35	128.2	40.095	V-C	0.12	20.3	344	73.5	0	0	113.595
Stage0	5.95	134.6	41.624	V-C	0.12	20.3	344	77.5	0	0	119.124
Stage0	5.55	141	43.154	V-C	0.12	20.3	344	81.5	0	0	124.654
Stage0	5.15	147.4	44.685	V-C	0.12	20.3	344	85.5	0	0	130.185
Stage0	4.75	153.8	46.218	V-C	0.12	20.3	344	89.5	0	0	135.718
Stage0	4.35	160.2	47.752	V-C	0.12	20.3	344	93.5	0	0	141.252
Stage0	3.95	166.6	49.287	V-C	0.12	20.3	344	97.5	0	0	146.787
Stage0	3.55	173	50.823	V-C	0.12	20.3	344	101.5	0	0	152.323
Stage0	3.15	179.4	52.361	V-C	0.12	20.3	344	105.5	0	0	157.861
Stage0	2.75	185.8	53.9	V-C	0.12	20.3	344	109.5	0	0	163.4
Stage0	2.35	192.2	55.441	V-C	0.12	20.3	344	113.5	0	0	168.941
Stage0	1.95	198.6	56.982	V-C	0.12	20.3	344	117.5	0	0	174.482
Stage0	1.55	205	58.525	V-C	0.12	20.3	344	121.5	0	0	180.025
Stage0	1.15	211.4	60.07	V-C	0.12	20.3	344	125.5	0	0	185.57
Stage0	0.75	217.8	61.615	V-C	0.12	20.3	344	129.5	0	0	191.115
Stage0	0.35	224.2	63.162	V-C	0.12	20.3	344	133.5	0	0	196.662
Stage0	-0.05	230.6	64.711	V-C	0.12	20.3	344	137.5	0	0	202.211
Stage0	-0.45	237	66.26	V-C	0.12	20.3	344	141.5	0	0	207.76
Stage0	-0.85	243.4	67.811	V-C	0.12	20.3	344	145.5	0	0	213.311
Stage0	-1.25	249.8	69.364	V-C	0.12	20.3	344	149.5	0	0	218.864
Stage0	-1.45	253	70.14	V-C	0.12	20.3	344	151.5	0	0	221.64
Stage0	-1.85	259.4	71.695	V-C	0.12	20.3	344	155.5	0	0	227.195
Stage0	-2.25	265.8	73.251	V-C	0.12	20.3	344	159.5	0	0	232.75
Stage0	-2.65	272.2	74.808	V-C	0.12	20.3	344	163.5	0	0	238.308
Stage0	-3.05	278.6	76.366	V-C	0.12	20.3	344	167.5	0	0	243.866
Stage0	-3.45	285	77.926	V-C	0.12	20.3	344	171.5	0	0	249.426
Stage0	-3.85	291.4	79.487	V-C	0.12	20.3	344	175.5	0	0	254.987
Stage0	-4.25	297.8	81.049	V-C	0.12	20.3	344	179.5	0	0	260.549

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp	LEFT				
Stage0	-4.65	304.2	82.613	V-C	0.12	20.3	344	183.5	0	0	266.113
Stage0	-5.05	310.6	84.178	V-C	0.12	20.3	344	187.5	0	0	271.678
Stage0	-5.45	317	85.744	V-C	0.12	20.3	344	191.5	0	0	277.244
Stage0	-5.85	323.4	87.312	V-C	0.12	20.3	344	195.5	0	0	282.812
Stage0	-6.25	329.8	88.88	V-C	0.12	20.3	344	199.5	0	0	288.38
Stage0	-6.65	336.2	90.45	V-C	0.12	20.3	344	203.5	0	0	293.95
Stage0	-7.05	342.6	92.022	V-C	0.12	20.3	344	207.5	0	0	299.522
Stage0	-7.45	349	93.595	V-C	0.12	20.3	344	211.5	0	0	305.094
Stage0	-7.85	355.4	95.168	V-C	0.12	20.3	344	215.5	0	0	310.668
Stage0	-8.25	361.8	96.744	V-C	0.12	20.3	344	219.5	0	0	316.244
Stage0	-8.65	368.2	98.32	V-C	0.12	20.3	344	223.5	0	0	321.82
Stage0	-9.05	374.6	99.897	V-C	0.12	20.3	344	227.5	0	0	327.398
Stage0	-9.45	381	101.476	V-C	0.12	20.3	344	231.5	0	0	332.976
Stage0	-9.85	387.4	103.056	V-C	0.12	20.3	344	235.5	0	0	338.556
Stage0	-10.25	393.8	104.637	V-C	0.12	20.3	344	239.5	0	0	344.137
Stage0	-10.65	400.2	106.22	V-C	0.12	20.3	344	243.5	0	0	349.72
Stage0	-11.05	406.6	107.803	V-C	0.12	20.3	344	247.5	0	0	355.303
Stage0	-11.45	413	109.387	V-C	0.12	20.3	344	251.5	0	0	360.888
Stage0	-11.85	419.4	110.973	V-C	0.12	20.3	344	255.5	0	0	366.473
Stage0	-12.25	425.8	112.56	V-C	0.12	20.3	344	259.5	0	0	372.06
Stage0	-12.65	432.2	114.148	V-C	0.12	20.3	344	263.5	0	0	377.648
Stage0	-13.05	438.6	115.736	V-C	0.12	20.3	344	267.5	0	0	383.236
Stage0	-13.45	445	117.326	V-C	0.12	20.3	344	271.5	0	0	388.826
Stage0	-13.85	451.4	118.917	V-C	0.12	20.3	344	275.5	0	0	394.417
Stage0	-14.25	457.8	120.509	V-C	0.12	20.3	344	279.5	0	0	400.009
Stage0	-14.65	464.2	122.102	V-C	0.12	20.3	344	283.5	0	0	405.602
Stage0	-15.05	470.6	123.696	V-C	0.12	20.3	344	287.5	0	0	411.196
Stage0	-15.45	477	125.291	V-C	0.12	20.3	344	291.5	0	0	416.791
Stage0	-15.85	483.4	126.887	V-C	0.12	20.3	344	295.5	0	0	422.387
Stage0	-16.25	489.8	128.484	V-C	0.12	20.3	344	299.5	0	0	427.984
Stage0	-16.65	496.2	130.082	V-C	0.12	20.3	344	303.5	0	0	433.582
Stage0	-17.05	502.6	131.681	V-C	0.12	20.3	344	307.5	0	0	439.18
Stage0	-17.3	506.6	132.68	V-C	0.12	20.3	344	310	0	0	442.68

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C	0.361	3.222	14	0	0	0	0
Stage0	15.35	16.25	15.155	V-C	0.361	3.222	14	0	0	0	15.155
Stage0	14.95	27.419	19.695	V-C	0.361	3.222	14	0	0	0	19.695
Stage0	14.55	36.919	24.121	V-C	0.361	3.222	14	0	0	0	24.121
Stage0	14.15	45.605	28.567	V-C	0.361	3.222	14	0	0	0	28.567
Stage0	13.75	54.185	33.044	V-C	0.361	3.222	14	0	0	0	33.044
Stage0	13.35	59.378	35.473	V-C	0.361	3.222	14	3.5	0	0	38.973
Stage0	12.95	63.884	37.631	V-C	0.361	3.222	14	7.5	0	0	45.131
Stage0	12.55	68.268	39.809	V-C	0.361	3.222	14	11.5	0	0	51.309
Stage0	12.15	71.449	42.002	V-C	0.361	3.222	14	15.5	0	0	57.502
Stage0	11.75	75.003	44.208	V-C	0.361	3.222	14	19.5	0	0	63.708
Stage0	11.35	78.804	46.423	V-C	0.361	3.222	14	23.5	0	0	69.923
Stage0	10.95	82.635	48.646	V-C	0.361	3.222	14	27.5	0	0	76.146
Stage0	10.55	86.489	50.875	V-C	0.361	3.222	14	31.5	0	0	82.375
Stage0	10.15	90.363	53.108	V-C	0.361	3.222	14	35.5	0	0	88.608
Stage0	9.95	92.616	54.226	V-C	0.361	3.222	14	37.5	0	0	91.726
Stage0	9.55	96.493	56.465	V-C	0.361	3.222	14	41.5	0	0	97.965
Stage0	9.15	100.384	58.707	V-C	0.361	3.222	14	45.5	0	0	104.207
Stage0	8.75	104.587	30.956	V-C	0.12	20.3	344	49.5	0	0	80.456
Stage0	8.35	110.899	32.475	V-C	0.12	20.3	344	53.5	0	0	85.975
Stage0	7.95	117.221	33.996	V-C	0.12	20.3	344	57.5	0	0	91.496
Stage0	7.55	123.549	35.518	V-C	0.12	20.3	344	61.5	0	0	97.018
Stage0	7.15	129.884	37.042	V-C	0.12	20.3	344	65.5	0	0	102.542
Stage0	6.75	136.224	38.568	V-C	0.12	20.3	344	69.5	0	0	108.068
Stage0	6.35	142.569	40.095	V-C	0.12	20.3	344	73.5	0	0	113.595
Stage0	5.95	148.918	41.624	V-C	0.12	20.3	344	77.5	0	0	119.124
Stage0	5.55	155.629	43.154	V-C	0.12	20.3	344	81.5	0	0	124.654
Stage0	5.15	161.972	44.685	V-C	0.12	20.3	344	85.5	0	0	130.185
Stage0	4.75	168.32	46.218	V-C	0.12	20.3	344	89.5	0	0	135.718
Stage0	4.35	174.671	47.752	V-C	0.12	20.3	344	93.5	0	0	141.252
Stage0	3.95	181.025	49.287	V-C	0.12	20.3	344	97.5	0	0	146.787
Stage0	3.55	187.382	50.823	V-C	0.12	20.3	344	101.5	0	0	152.323
Stage0	3.15	193.742	52.361	V-C	0.12	20.3	344	105.5	0	0	157.861
Stage0	2.75	200.104	53.9	V-C	0.12	20.3	344	109.5	0	0	163.4
Stage0	2.35	206.469	55.441	V-C	0.12	20.3	344	113.5	0	0	168.941
Stage0	1.95	212.835	56.982	V-C	0.12	20.3	344	117.5	0	0	174.482
Stage0	1.55	219.203	58.525	V-C	0.12	20.3	344	121.5	0	0	180.025
Stage0	1.15	225.573	60.07	V-C	0.12	20.3	344	125.5	0	0	185.57
Stage0	0.75	232.189	61.615	V-C	0.12	20.3	344	129.5	0	0	191.115
Stage0	0.35	238.555	63.162	V-C	0.12	20.3	344	133.5	0	0	196.662
Stage0	-0.05	244.924	64.711	V-C	0.12	20.3	344	137.5	0	0	202.211
Stage0	-0.45	251.294	66.26	V-C	0.12	20.3	344	141.5	0	0	207.76
Stage0	-0.85	257.665	67.811	V-C	0.12	20.3	344	145.5	0	0	213.311
Stage0	-1.25	264.038	69.364	V-C	0.12	20.3	344	149.5	0	0	218.864
Stage0	-1.45	267.331	70.14	V-C	0.12	20.3	344	151.5	0	0	221.64
Stage0	-1.85	273.703	71.695	V-C	0.12	20.3	344	155.5	0	0	227.195
Stage0	-2.25	280.076	73.251	V-C	0.12	20.3	344	159.5	0	0	232.75
Stage0	-2.65	286.451	74.808	V-C	0.12	20.3	344	163.5	0	0	238.308
Stage0	-3.05	292.826	76.366	V-C	0.12	20.3	344	167.5	0	0	243.866
Stage0	-3.45	299.203	77.926	V-C	0.12	20.3	344	171.5	0	0	249.426
Stage0	-3.85	305.58	79.487	V-C	0.12	20.3	344	175.5	0	0	254.987
Stage0	-4.25	311.959	81.049	V-C	0.12	20.3	344	179.5	0	0	260.549
Stage0	-4.65	318.338	82.613	V-C	0.12	20.3	344	183.5	0	0	266.113
Stage0	-5.05	324.718	84.178	V-C	0.12	20.3	344	187.5	0	0	271.678
Stage0	-5.45	331.098	85.744	V-C	0.12	20.3	344	191.5	0	0	277.244

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: RIGHT		Lato RIGHT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
			Sigma H (kPa)	Stato	Ka	Kp					
Stage0	-5.85	337.48	87.312	V-C	0.12	20.3	344	195.5	0	0	282.812
Stage0	-6.25	344.029	88.88	V-C	0.12	20.3	344	199.5	0	0	288.38
Stage0	-6.65	350.408	90.45	V-C	0.12	20.3	344	203.5	0	0	293.95
Stage0	-7.05	356.789	92.022	V-C	0.12	20.3	344	207.5	0	0	299.522
Stage0	-7.45	363.17	93.595	V-C	0.12	20.3	344	211.5	0	0	305.094
Stage0	-7.85	369.552	95.168	V-C	0.12	20.3	344	215.5	0	0	310.668
Stage0	-8.25	375.934	96.744	V-C	0.12	20.3	344	219.5	0	0	316.244
Stage0	-8.65	382.317	98.32	V-C	0.12	20.3	344	223.5	0	0	321.82
Stage0	-9.05	388.701	99.897	V-C	0.12	20.3	344	227.5	0	0	327.398
Stage0	-9.45	395.085	101.476	V-C	0.12	20.3	344	231.5	0	0	332.976
Stage0	-9.85	401.469	103.056	V-C	0.12	20.3	344	235.5	0	0	338.556
Stage0	-10.25	407.854	104.637	V-C	0.12	20.3	344	239.5	0	0	344.137
Stage0	-10.65	414.24	106.22	V-C	0.12	20.3	344	243.5	0	0	349.72
Stage0	-11.05	420.762	107.803	V-C	0.12	20.3	344	247.5	0	0	355.303
Stage0	-11.45	427.147	109.387	V-C	0.12	20.3	344	251.5	0	0	360.888
Stage0	-11.85	433.531	110.973	V-C	0.12	20.3	344	255.5	0	0	366.473
Stage0	-12.25	439.916	112.56	V-C	0.12	20.3	344	259.5	0	0	372.06
Stage0	-12.65	446.302	114.148	V-C	0.12	20.3	344	263.5	0	0	377.648
Stage0	-13.05	452.688	115.736	V-C	0.12	20.3	344	267.5	0	0	383.236
Stage0	-13.45	459.074	117.326	V-C	0.12	20.3	344	271.5	0	0	388.826
Stage0	-13.85	465.461	118.917	V-C	0.12	20.3	344	275.5	0	0	394.417
Stage0	-14.25	471.848	120.509	V-C	0.12	20.3	344	279.5	0	0	400.009
Stage0	-14.65	478.235	122.102	V-C	0.12	20.3	344	283.5	0	0	405.602
Stage0	-15.05	484.623	123.696	V-C	0.12	20.3	344	287.5	0	0	411.196
Stage0	-15.45	491.129	125.291	V-C	0.12	20.3	344	291.5	0	0	416.791
Stage0	-15.85	497.516	126.887	V-C	0.12	20.3	344	295.5	0	0	422.387
Stage0	-16.25	503.903	128.484	V-C	0.12	20.3	344	299.5	0	0	427.984
Stage0	-16.65	510.29	130.082	V-C	0.12	20.3	344	303.5	0	0	433.582
Stage0	-17.05	516.678	131.681	V-C	0.12	20.3	344	307.5	0	0	439.18
Stage0	-17.3	520.712	132.68	V-C	0.12	20.3	344	310	0	0	442.68

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT					
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	ACTIVE	0.361	3.222	14	0	0	0	0
Stage1	15.35	16.25	7.625	UL-RL	0.361	3.222	14	0	0	0	7.625
Stage1	14.95	27.419	14.042	UL-RL	0.361	3.222	14	0	0	0	14.042
Stage1	14.55	36.919	20.139	UL-RL	0.361	3.222	14	0	0	0	20.139
Stage1	14.15	45.605	25.896	UL-RL	0.361	3.222	14	0	0	0	25.896
Stage1	13.75	54.185	31.286	UL-RL	0.361	3.222	14	0	0	0	31.286
Stage1	13.35	59.378	34.277	UL-RL	0.361	3.222	14	3.5	0	0	37.777
Stage1	12.95	63.884	36.726	UL-RL	0.361	3.222	14	7.5	0	0	44.226
Stage1	12.55	68.268	39.013	UL-RL	0.361	3.222	14	11.5	0	0	50.513
Stage1	12.15	71.449	41.208	UL-RL	0.361	3.222	14	15.5	0	0	56.708
Stage1	11.75	75.003	43.37	UL-RL	0.361	3.222	14	19.5	0	0	62.87
Stage1	11.35	78.804	45.541	UL-RL	0.361	3.222	14	23.5	0	0	69.041
Stage1	10.95	82.635	47.751	UL-RL	0.361	3.222	14	27.5	0	0	75.251
Stage1	10.55	86.489	50.018	UL-RL	0.361	3.222	14	31.5	0	0	81.518
Stage1	10.15	90.363	52.352	UL-RL	0.361	3.222	14	35.5	0	0	87.852
Stage1	9.95	92.616	53.544	UL-RL	0.361	3.222	14	37.5	0	0	91.044
Stage1	9.55	96.493	55.971	UL-RL	0.361	3.222	14	41.5	0	0	97.471
Stage1	9.15	100.384	58.426	UL-RL	0.361	3.222	14	45.5	0	0	103.926
Stage1	8.75	104.587	25.234	UL-RL	0.12	20.3	344	49.5	0	0	74.734
Stage1	8.35	110.899	31.172	UL-RL	0.12	20.3	344	53.5	0	0	84.672
Stage1	7.95	117.221	33.333	UL-RL	0.12	20.3	344	57.5	0	0	90.833
Stage1	7.55	123.549	34.419	UL-RL	0.12	20.3	344	61.5	0	0	95.919
Stage1	7.15	129.884	35.589	UL-RL	0.12	20.3	344	65.5	0	0	101.089
Stage1	6.75	136.224	36.999	UL-RL	0.12	20.3	344	69.5	0	0	106.499
Stage1	6.35	142.569	38.527	UL-RL	0.12	20.3	344	73.5	0	0	112.027
Stage1	5.95	148.918	40.079	UL-RL	0.12	20.3	344	77.5	0	0	117.578
Stage1	5.55	155.629	41.622	UL-RL	0.12	20.3	344	81.5	0	0	123.122
Stage1	5.15	161.972	43.158	UL-RL	0.12	20.3	344	85.5	0	0	128.658
Stage1	4.75	168.32	44.692	UL-RL	0.12	20.3	344	89.5	0	0	134.192
Stage1	4.35	174.671	46.227	UL-RL	0.12	20.3	344	93.5	0	0	139.726
Stage1	3.95	181.025	47.763	UL-RL	0.12	20.3	344	97.5	0	0	145.263
Stage1	3.55	187.382	49.301	UL-RL	0.12	20.3	344	101.5	0	0	150.801
Stage1	3.15	193.742	50.84	UL-RL	0.12	20.3	344	105.5	0	0	156.34
Stage1	2.75	200.104	52.38	UL-RL	0.12	20.3	344	109.5	0	0	161.88
Stage1	2.35	206.469	53.922	UL-RL	0.12	20.3	344	113.5	0	0	167.422
Stage1	1.95	212.835	55.464	UL-RL	0.12	20.3	344	117.5	0	0	172.964
Stage1	1.55	219.203	57.008	UL-RL	0.12	20.3	344	121.5	0	0	178.508
Stage1	1.15	225.573	58.554	UL-RL	0.12	20.3	344	125.5	0	0	184.054
Stage1	0.75	232.189	60.1	UL-RL	0.12	20.3	344	129.5	0	0	189.6
Stage1	0.35	238.555	61.648	UL-RL	0.12	20.3	344	133.5	0	0	195.148
Stage1	-0.05	244.924	63.197	UL-RL	0.12	20.3	344	137.5	0	0	200.697
Stage1	-0.45	251.294	64.747	UL-RL	0.12	20.3	344	141.5	0	0	206.247
Stage1	-0.85	257.665	66.299	UL-RL	0.12	20.3	344	145.5	0	0	211.799
Stage1	-1.25	264.038	67.852	UL-RL	0.12	20.3	344	149.5	0	0	217.352
Stage1	-1.45	267.331	68.629	UL-RL	0.12	20.3	344	151.5	0	0	220.129
Stage1	-1.85	273.703	70.184	UL-RL	0.12	20.3	344	155.5	0	0	225.684
Stage1	-2.25	280.076	71.74	UL-RL	0.12	20.3	344	159.5	0	0	231.24
Stage1	-2.65	286.451	73.298	UL-RL	0.12	20.3	344	163.5	0	0	236.798
Stage1	-3.05	292.826	74.857	UL-RL	0.12	20.3	344	167.5	0	0	242.357
Stage1	-3.45	299.203	76.417	UL-RL	0.12	20.3	344	171.5	0	0	247.917
Stage1	-3.85	305.58	77.978	UL-RL	0.12	20.3	344	175.5	0	0	253.478
Stage1	-4.25	311.959	79.541	UL-RL	0.12	20.3	344	179.5	0	0	259.041

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-4.65	318.338	81.105	UL-RL	0.12	20.3	344	183.5	0	0	264.605
Stage1	-5.05	324.718	82.67	UL-RL	0.12	20.3	344	187.5	0	0	270.17
Stage1	-5.45	331.098	84.237	UL-RL	0.12	20.3	344	191.5	0	0	275.737
Stage1	-5.85	337.48	85.805	UL-RL	0.12	20.3	344	195.5	0	0	281.305
Stage1	-6.25	344.029	87.374	UL-RL	0.12	20.3	344	199.5	0	0	286.874
Stage1	-6.65	350.408	88.945	UL-RL	0.12	20.3	344	203.5	0	0	292.445
Stage1	-7.05	356.789	90.516	UL-RL	0.12	20.3	344	207.5	0	0	298.016
Stage1	-7.45	363.17	92.089	UL-RL	0.12	20.3	344	211.5	0	0	303.589
Stage1	-7.85	369.552	93.664	UL-RL	0.12	20.3	344	215.5	0	0	309.164
Stage1	-8.25	375.934	95.239	UL-RL	0.12	20.3	344	219.5	0	0	314.739
Stage1	-8.65	382.317	96.816	UL-RL	0.12	20.3	344	223.5	0	0	320.316
Stage1	-9.05	388.701	98.394	UL-RL	0.12	20.3	344	227.5	0	0	325.894
Stage1	-9.45	395.085	99.973	UL-RL	0.12	20.3	344	231.5	0	0	331.472
Stage1	-9.85	401.469	101.553	UL-RL	0.12	20.3	344	235.5	0	0	337.053
Stage1	-10.25	407.854	103.134	UL-RL	0.12	20.3	344	239.5	0	0	342.634
Stage1	-10.65	414.24	104.716	UL-RL	0.12	20.3	344	243.5	0	0	348.217
Stage1	-11.05	420.762	106.3	UL-RL	0.12	20.3	344	247.5	0	0	353.8
Stage1	-11.45	427.147	107.885	UL-RL	0.12	20.3	344	251.5	0	0	359.385
Stage1	-11.85	433.531	109.471	UL-RL	0.12	20.3	344	255.5	0	0	364.971
Stage1	-12.25	439.916	111.058	UL-RL	0.12	20.3	344	259.5	0	0	370.558
Stage1	-12.65	446.302	112.646	UL-RL	0.12	20.3	344	263.5	0	0	376.146
Stage1	-13.05	452.688	114.235	UL-RL	0.12	20.3	344	267.5	0	0	381.735
Stage1	-13.45	459.074	115.825	UL-RL	0.12	20.3	344	271.5	0	0	387.325
Stage1	-13.85	465.461	117.416	UL-RL	0.12	20.3	344	275.5	0	0	392.916
Stage1	-14.25	471.848	119.008	UL-RL	0.12	20.3	344	279.5	0	0	398.508
Stage1	-14.65	478.235	120.601	UL-RL	0.12	20.3	344	283.5	0	0	404.101
Stage1	-15.05	484.623	122.196	UL-RL	0.12	20.3	344	287.5	0	0	409.695
Stage1	-15.45	491.129	123.791	UL-RL	0.12	20.3	344	291.5	0	0	415.291
Stage1	-15.85	497.516	125.387	UL-RL	0.12	20.3	344	295.5	0	0	420.887
Stage1	-16.25	503.903	126.984	UL-RL	0.12	20.3	344	299.5	0	0	426.484
Stage1	-16.65	510.29	128.582	UL-RL	0.12	20.3	344	303.5	0	0	432.082
Stage1	-17.05	516.678	130.18	UL-RL	0.12	20.3	344	307.5	0	0	437.68
Stage1	-17.3	520.712	131.18	UL-RL	0.12	20.3	344	310	0	0	441.18

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	14.95	0	15.567	UL-RL	0.3613.222	14	0	0	0	15.567	
Stage1	14.55	8	24.597	V-C	0.3613.222	14	0	0	0	24.597	
Stage1	14.15	16	28.543	UL-RL	0.3613.222	14	0	0	0	28.543	
Stage1	13.75	24	32.386	UL-RL	0.3613.222	14	0	0	0	32.386	
Stage1	13.35	28.5	34.39	UL-RL	0.3613.222	14	3.5	0	0	37.89	
Stage1	12.95	32.5	36.335	UL-RL	0.3613.222	14	7.5	0	0	43.835	
Stage1	12.55	36.5	38.448	UL-RL	0.3613.222	14	11.5	0	0	49.948	
Stage1	12.15	40.5	40.662	UL-RL	0.3613.222	14	15.5	0	0	56.162	
Stage1	11.75	44.5	42.923	UL-RL	0.3613.222	14	19.5	0	0	62.423	
Stage1	11.35	48.5	45.192	UL-RL	0.3613.222	14	23.5	0	0	68.692	
Stage1	10.95	52.5	47.439	UL-RL	0.3613.222	14	27.5	0	0	74.939	
Stage1	10.55	56.5	49.648	UL-RL	0.3613.222	14	31.5	0	0	81.148	
Stage1	10.15	60.5	51.806	UL-RL	0.3613.222	14	35.5	0	0	87.306	
Stage1	9.95	62.5	52.867	UL-RL	0.3613.222	14	37.5	0	0	90.367	
Stage1	9.55	66.5	54.955	UL-RL	0.3613.222	14	41.5	0	0	96.455	
Stage1	9.15	70.5	57.025	UL-RL	0.3613.222	14	45.5	0	0	102.525	
Stage1	8.75	74.8	30.627	UL-RL	0.12 20.3	344	49.5	0	0	80.127	
Stage1	8.35	81.2	30.85	UL-RL	0.12 20.3	344	53.5	0	0	84.35	
Stage1	7.95	87.6	32.187	UL-RL	0.12 20.3	344	57.5	0	0	89.687	
Stage1	7.55	94	33.843	UL-RL	0.12 20.3	344	61.5	0	0	95.343	
Stage1	7.15	100.4	35.476	UL-RL	0.12 20.3	344	65.5	0	0	100.976	
Stage1	6.75	106.8	37.04	UL-RL	0.12 20.3	344	69.5	0	0	106.54	
Stage1	6.35	113.2	38.57	UL-RL	0.12 20.3	344	73.5	0	0	112.07	
Stage1	5.95	119.6	40.095	UL-RL	0.12 20.3	344	77.5	0	0	117.595	
Stage1	5.55	126	41.624	UL-RL	0.12 20.3	344	81.5	0	0	123.124	
Stage1	5.15	132.4	43.156	UL-RL	0.12 20.3	344	85.5	0	0	128.656	
Stage1	4.75	138.8	44.69	UL-RL	0.12 20.3	344	89.5	0	0	134.19	
Stage1	4.35	145.2	46.226	UL-RL	0.12 20.3	344	93.5	0	0	139.726	
Stage1	3.95	151.6	47.763	UL-RL	0.12 20.3	344	97.5	0	0	145.263	
Stage1	3.55	158	49.301	UL-RL	0.12 20.3	344	101.5	0	0	150.801	
Stage1	3.15	164.4	50.84	UL-RL	0.12 20.3	344	105.5	0	0	156.34	
Stage1	2.75	170.8	52.38	UL-RL	0.12 20.3	344	109.5	0	0	161.88	
Stage1	2.35	177.2	53.922	UL-RL	0.12 20.3	344	113.5	0	0	167.422	
Stage1	1.95	183.6	55.464	UL-RL	0.12 20.3	344	117.5	0	0	172.964	
Stage1	1.55	190	57.008	UL-RL	0.12 20.3	344	121.5	0	0	178.508	
Stage1	1.15	196.4	58.554	UL-RL	0.12 20.3	344	125.5	0	0	184.054	
Stage1	0.75	202.8	60.1	UL-RL	0.12 20.3	344	129.5	0	0	189.6	
Stage1	0.35	209.2	61.648	UL-RL	0.12 20.3	344	133.5	0	0	195.148	
Stage1	-0.05	215.6	63.197	UL-RL	0.12 20.3	344	137.5	0	0	200.697	
Stage1	-0.45	222	64.747	UL-RL	0.12 20.3	344	141.5	0	0	206.247	
Stage1	-0.85	228.4	66.299	UL-RL	0.12 20.3	344	145.5	0	0	211.799	
Stage1	-1.25	234.8	67.852	UL-RL	0.12 20.3	344	149.5	0	0	217.352	
Stage1	-1.45	238	68.629	UL-RL	0.12 20.3	344	151.5	0	0	220.129	
Stage1	-1.85	244.4	70.184	UL-RL	0.12 20.3	344	155.5	0	0	225.684	
Stage1	-2.25	250.8	71.74	UL-RL	0.12 20.3	344	159.5	0	0	231.24	
Stage1	-2.65	257.2	73.298	UL-RL	0.12 20.3	344	163.5	0	0	236.798	
Stage1	-3.05	263.6	74.857	UL-RL	0.12 20.3	344	167.5	0	0	242.357	
Stage1	-3.45	270	76.417	UL-RL	0.12 20.3	344	171.5	0	0	247.917	
Stage1	-3.85	276.4	77.978	UL-RL	0.12 20.3	344	175.5	0	0	253.478	
Stage1	-4.25	282.8	79.541	UL-RL	0.12 20.3	344	179.5	0	0	259.041	
Stage1	-4.65	289.2	81.105	UL-RL	0.12 20.3	344	183.5	0	0	264.605	
Stage1	-5.05	295.6	82.67	UL-RL	0.12 20.3	344	187.5	0	0	270.17	
Stage1	-5.45	302	84.237	UL-RL	0.12 20.3	344	191.5	0	0	275.737	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-5.85	308.4	85.805	UL-RL	0.12	20.3	344	195.5	0	0	281.305
Stage1	-6.25	314.8	87.374	UL-RL	0.12	20.3	344	199.5	0	0	286.874
Stage1	-6.65	321.2	88.945	UL-RL	0.12	20.3	344	203.5	0	0	292.445
Stage1	-7.05	327.6	90.516	UL-RL	0.12	20.3	344	207.5	0	0	298.016
Stage1	-7.45	334	92.089	UL-RL	0.12	20.3	344	211.5	0	0	303.589
Stage1	-7.85	340.4	93.664	UL-RL	0.12	20.3	344	215.5	0	0	309.164
Stage1	-8.25	346.8	95.239	UL-RL	0.12	20.3	344	219.5	0	0	314.739
Stage1	-8.65	353.2	96.816	UL-RL	0.12	20.3	344	223.5	0	0	320.316
Stage1	-9.05	359.6	98.394	UL-RL	0.12	20.3	344	227.5	0	0	325.894
Stage1	-9.45	366	99.973	UL-RL	0.12	20.3	344	231.5	0	0	331.472
Stage1	-9.85	372.4	101.553	UL-RL	0.12	20.3	344	235.5	0	0	337.053
Stage1	-10.25	378.8	103.134	UL-RL	0.12	20.3	344	239.5	0	0	342.634
Stage1	-10.65	385.2	104.716	UL-RL	0.12	20.3	344	243.5	0	0	348.217
Stage1	-11.05	391.6	106.3	UL-RL	0.12	20.3	344	247.5	0	0	353.8
Stage1	-11.45	398	107.885	UL-RL	0.12	20.3	344	251.5	0	0	359.385
Stage1	-11.85	404.4	109.471	UL-RL	0.12	20.3	344	255.5	0	0	364.971
Stage1	-12.25	410.8	111.058	UL-RL	0.12	20.3	344	259.5	0	0	370.558
Stage1	-12.65	417.2	112.646	UL-RL	0.12	20.3	344	263.5	0	0	376.146
Stage1	-13.05	423.6	114.235	UL-RL	0.12	20.3	344	267.5	0	0	381.735
Stage1	-13.45	430	115.825	UL-RL	0.12	20.3	344	271.5	0	0	387.325
Stage1	-13.85	436.4	117.416	UL-RL	0.12	20.3	344	275.5	0	0	392.916
Stage1	-14.25	442.8	119.008	UL-RL	0.12	20.3	344	279.5	0	0	398.508
Stage1	-14.65	449.2	120.601	UL-RL	0.12	20.3	344	283.5	0	0	404.101
Stage1	-15.05	455.6	122.196	UL-RL	0.12	20.3	344	287.5	0	0	409.695
Stage1	-15.45	462	123.791	UL-RL	0.12	20.3	344	291.5	0	0	415.291
Stage1	-15.85	468.4	125.387	UL-RL	0.12	20.3	344	295.5	0	0	420.887
Stage1	-16.25	474.8	126.984	UL-RL	0.12	20.3	344	299.5	0	0	426.484
Stage1	-16.65	481.2	128.582	UL-RL	0.12	20.3	344	303.5	0	0	432.082
Stage1	-17.05	487.6	130.18	UL-RL	0.12	20.3	344	307.5	0	0	437.68
Stage1	-17.3	491.6	131.18	UL-RL	0.12	20.3	344	310	0	0	441.18

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage1

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	14.95	0	15.567	UL-RL	0.361	3.222	14	0	0	0	15.567
Stage1	14.55	8	24.597	V-C	0.361	3.222	14	0	0	0	24.597
Stage1	14.15	16	28.543	UL-RL	0.361	3.222	14	0	0	0	28.543
Stage1	13.75	24	32.386	UL-RL	0.361	3.222	14	0	0	0	32.386
Stage1	13.35	28.5	34.39	UL-RL	0.361	3.222	14	3.5	0	0	37.89
Stage1	12.95	32.5	36.335	UL-RL	0.361	3.222	14	7.5	0	0	43.835
Stage1	12.55	36.5	38.448	UL-RL	0.361	3.222	14	11.5	0	0	49.948
Stage1	12.15	40.5	40.662	UL-RL	0.361	3.222	14	15.5	0	0	56.162
Stage1	11.75	44.5	42.923	UL-RL	0.361	3.222	14	19.5	0	0	62.423
Stage1	11.35	48.5	45.192	UL-RL	0.361	3.222	14	23.5	0	0	68.692
Stage1	10.95	52.5	47.439	UL-RL	0.361	3.222	14	27.5	0	0	74.939
Stage1	10.55	56.5	49.648	UL-RL	0.361	3.222	14	31.5	0	0	81.148
Stage1	10.15	60.5	51.806	UL-RL	0.361	3.222	14	35.5	0	0	87.306
Stage1	9.95	62.5	52.867	UL-RL	0.361	3.222	14	37.5	0	0	90.367
Stage1	9.55	66.5	54.955	UL-RL	0.361	3.222	14	41.5	0	0	96.455
Stage1	9.15	70.5	57.025	UL-RL	0.361	3.222	14	45.5	0	0	102.525
Stage1	8.75	74.8	30.627	UL-RL	0.12	20.3	344	49.5	0	0	80.127
Stage1	8.35	81.2	30.85	UL-RL	0.12	20.3	344	53.5	0	0	84.35
Stage1	7.95	87.6	32.187	UL-RL	0.12	20.3	344	57.5	0	0	89.687
Stage1	7.55	94	33.843	UL-RL	0.12	20.3	344	61.5	0	0	95.343
Stage1	7.15	100.4	35.476	UL-RL	0.12	20.3	344	65.5	0	0	100.976
Stage1	6.75	106.8	37.04	UL-RL	0.12	20.3	344	69.5	0	0	106.54
Stage1	6.35	113.2	38.57	UL-RL	0.12	20.3	344	73.5	0	0	112.07
Stage1	5.95	119.6	40.095	UL-RL	0.12	20.3	344	77.5	0	0	117.595
Stage1	5.55	126	41.624	UL-RL	0.12	20.3	344	81.5	0	0	123.124
Stage1	5.15	132.4	43.156	UL-RL	0.12	20.3	344	85.5	0	0	128.656
Stage1	4.75	138.8	44.69	UL-RL	0.12	20.3	344	89.5	0	0	134.19
Stage1	4.35	145.2	46.226	UL-RL	0.12	20.3	344	93.5	0	0	139.726
Stage1	3.95	151.6	47.763	UL-RL	0.12	20.3	344	97.5	0	0	145.263
Stage1	3.55	158	49.301	UL-RL	0.12	20.3	344	101.5	0	0	150.801
Stage1	3.15	164.4	50.84	UL-RL	0.12	20.3	344	105.5	0	0	156.34
Stage1	2.75	170.8	52.38	UL-RL	0.12	20.3	344	109.5	0	0	161.88
Stage1	2.35	177.2	53.922	UL-RL	0.12	20.3	344	113.5	0	0	167.422
Stage1	1.95	183.6	55.464	UL-RL	0.12	20.3	344	117.5	0	0	172.964
Stage1	1.55	190	57.008	UL-RL	0.12	20.3	344	121.5	0	0	178.508
Stage1	1.15	196.4	58.554	UL-RL	0.12	20.3	344	125.5	0	0	184.054
Stage1	0.75	202.8	60.1	UL-RL	0.12	20.3	344	129.5	0	0	189.6
Stage1	0.35	209.2	61.648	UL-RL	0.12	20.3	344	133.5	0	0	195.148
Stage1	-0.05	215.6	63.197	UL-RL	0.12	20.3	344	137.5	0	0	200.697
Stage1	-0.45	222	64.747	UL-RL	0.12	20.3	344	141.5	0	0	206.247
Stage1	-0.85	228.4	66.299	UL-RL	0.12	20.3	344	145.5	0	0	211.799
Stage1	-1.25	234.8	67.852	UL-RL	0.12	20.3	344	149.5	0	0	217.352
Stage1	-1.45	238	68.629	UL-RL	0.12	20.3	344	151.5	0	0	220.129
Stage1	-1.85	244.4	70.184	UL-RL	0.12	20.3	344	155.5	0	0	225.684
Stage1	-2.25	250.8	71.74	UL-RL	0.12	20.3	344	159.5	0	0	231.24
Stage1	-2.65	257.2	73.298	UL-RL	0.12	20.3	344	163.5	0	0	236.798
Stage1	-3.05	263.6	74.857	UL-RL	0.12	20.3	344	167.5	0	0	242.357
Stage1	-3.45	270	76.417	UL-RL	0.12	20.3	344	171.5	0	0	247.917
Stage1	-3.85	276.4	77.978	UL-RL	0.12	20.3	344	175.5	0	0	253.478
Stage1	-4.25	282.8	79.541	UL-RL	0.12	20.3	344	179.5	0	0	259.041

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro:	RIGHT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-4.65	289.2	81.105	UL-RL	0.12	20.3	344	183.5	0	0	264.605
Stage1	-5.05	295.6	82.67	UL-RL	0.12	20.3	344	187.5	0	0	270.17
Stage1	-5.45	302	84.237	UL-RL	0.12	20.3	344	191.5	0	0	275.737
Stage1	-5.85	308.4	85.805	UL-RL	0.12	20.3	344	195.5	0	0	281.305
Stage1	-6.25	314.8	87.374	UL-RL	0.12	20.3	344	199.5	0	0	286.874
Stage1	-6.65	321.2	88.945	UL-RL	0.12	20.3	344	203.5	0	0	292.445
Stage1	-7.05	327.6	90.516	UL-RL	0.12	20.3	344	207.5	0	0	298.016
Stage1	-7.45	334	92.089	UL-RL	0.12	20.3	344	211.5	0	0	303.589
Stage1	-7.85	340.4	93.664	UL-RL	0.12	20.3	344	215.5	0	0	309.164
Stage1	-8.25	346.8	95.239	UL-RL	0.12	20.3	344	219.5	0	0	314.739
Stage1	-8.65	353.2	96.816	UL-RL	0.12	20.3	344	223.5	0	0	320.316
Stage1	-9.05	359.6	98.394	UL-RL	0.12	20.3	344	227.5	0	0	325.894
Stage1	-9.45	366	99.973	UL-RL	0.12	20.3	344	231.5	0	0	331.472
Stage1	-9.85	372.4	101.553	UL-RL	0.12	20.3	344	235.5	0	0	337.053
Stage1	-10.25	378.8	103.134	UL-RL	0.12	20.3	344	239.5	0	0	342.634
Stage1	-10.65	385.2	104.716	UL-RL	0.12	20.3	344	243.5	0	0	348.217
Stage1	-11.05	391.6	106.3	UL-RL	0.12	20.3	344	247.5	0	0	353.8
Stage1	-11.45	398	107.885	UL-RL	0.12	20.3	344	251.5	0	0	359.385
Stage1	-11.85	404.4	109.471	UL-RL	0.12	20.3	344	255.5	0	0	364.971
Stage1	-12.25	410.8	111.058	UL-RL	0.12	20.3	344	259.5	0	0	370.558
Stage1	-12.65	417.2	112.646	UL-RL	0.12	20.3	344	263.5	0	0	376.146
Stage1	-13.05	423.6	114.235	UL-RL	0.12	20.3	344	267.5	0	0	381.735
Stage1	-13.45	430	115.825	UL-RL	0.12	20.3	344	271.5	0	0	387.325
Stage1	-13.85	436.4	117.416	UL-RL	0.12	20.3	344	275.5	0	0	392.916
Stage1	-14.25	442.8	119.008	UL-RL	0.12	20.3	344	279.5	0	0	398.508
Stage1	-14.65	449.2	120.601	UL-RL	0.12	20.3	344	283.5	0	0	404.101
Stage1	-15.05	455.6	122.196	UL-RL	0.12	20.3	344	287.5	0	0	409.695
Stage1	-15.45	462	123.791	UL-RL	0.12	20.3	344	291.5	0	0	415.291
Stage1	-15.85	468.4	125.387	UL-RL	0.12	20.3	344	295.5	0	0	420.887
Stage1	-16.25	474.8	126.984	UL-RL	0.12	20.3	344	299.5	0	0	426.484
Stage1	-16.65	481.2	128.582	UL-RL	0.12	20.3	344	303.5	0	0	432.082
Stage1	-17.05	487.6	130.18	UL-RL	0.12	20.3	344	307.5	0	0	437.68
Stage1	-17.3	491.6	131.18	UL-RL	0.12	20.3	344	310	0	0	441.18

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage1	15.7	0	0	ACTIVE	0.361	3.222	14	0	0	0
Stage1	15.35	16.25	7.625	UL-RL	0.361	3.222	14	0	0	7.625
Stage1	14.95	27.419	14.042	UL-RL	0.361	3.222	14	0	0	14.042
Stage1	14.55	36.919	20.139	UL-RL	0.361	3.222	14	0	0	20.139
Stage1	14.15	45.605	25.896	UL-RL	0.361	3.222	14	0	0	25.896
Stage1	13.75	54.185	31.286	UL-RL	0.361	3.222	14	0	0	31.286
Stage1	13.35	59.378	34.277	UL-RL	0.361	3.222	14	3.5	0	37.777
Stage1	12.95	63.884	36.726	UL-RL	0.361	3.222	14	7.5	0	44.226
Stage1	12.55	68.268	39.013	UL-RL	0.361	3.222	14	11.5	0	50.513
Stage1	12.15	71.449	41.208	UL-RL	0.361	3.222	14	15.5	0	56.708
Stage1	11.75	75.003	43.37	UL-RL	0.361	3.222	14	19.5	0	62.87
Stage1	11.35	78.804	45.541	UL-RL	0.361	3.222	14	23.5	0	69.041
Stage1	10.95	82.635	47.751	UL-RL	0.361	3.222	14	27.5	0	75.251
Stage1	10.55	86.489	50.018	UL-RL	0.361	3.222	14	31.5	0	81.518
Stage1	10.15	90.363	52.352	UL-RL	0.361	3.222	14	35.5	0	87.852
Stage1	9.95	92.616	53.544	UL-RL	0.361	3.222	14	37.5	0	91.044
Stage1	9.55	96.493	55.971	UL-RL	0.361	3.222	14	41.5	0	97.471
Stage1	9.15	100.384	58.426	UL-RL	0.361	3.222	14	45.5	0	103.926
Stage1	8.75	104.587	25.234	UL-RL	0.12	20.3	344	49.5	0	74.734
Stage1	8.35	110.899	31.172	UL-RL	0.12	20.3	344	53.5	0	84.672
Stage1	7.95	117.221	33.333	UL-RL	0.12	20.3	344	57.5	0	90.833
Stage1	7.55	123.549	34.419	UL-RL	0.12	20.3	344	61.5	0	95.919
Stage1	7.15	129.884	35.589	UL-RL	0.12	20.3	344	65.5	0	101.089
Stage1	6.75	136.224	36.999	UL-RL	0.12	20.3	344	69.5	0	106.499
Stage1	6.35	142.569	38.527	UL-RL	0.12	20.3	344	73.5	0	112.027
Stage1	5.95	148.918	40.079	UL-RL	0.12	20.3	344	77.5	0	117.578
Stage1	5.55	155.629	41.622	UL-RL	0.12	20.3	344	81.5	0	123.122
Stage1	5.15	161.972	43.158	UL-RL	0.12	20.3	344	85.5	0	128.658
Stage1	4.75	168.32	44.692	UL-RL	0.12	20.3	344	89.5	0	134.192
Stage1	4.35	174.671	46.227	UL-RL	0.12	20.3	344	93.5	0	139.726
Stage1	3.95	181.025	47.763	UL-RL	0.12	20.3	344	97.5	0	145.263
Stage1	3.55	187.382	49.301	UL-RL	0.12	20.3	344	101.5	0	150.801
Stage1	3.15	193.742	50.84	UL-RL	0.12	20.3	344	105.5	0	156.34
Stage1	2.75	200.104	52.38	UL-RL	0.12	20.3	344	109.5	0	161.88
Stage1	2.35	206.469	53.922	UL-RL	0.12	20.3	344	113.5	0	167.422
Stage1	1.95	212.835	55.464	UL-RL	0.12	20.3	344	117.5	0	172.964
Stage1	1.55	219.203	57.008	UL-RL	0.12	20.3	344	121.5	0	178.508
Stage1	1.15	225.573	58.554	UL-RL	0.12	20.3	344	125.5	0	184.054
Stage1	0.75	232.189	60.1	UL-RL	0.12	20.3	344	129.5	0	189.6
Stage1	0.35	238.555	61.648	UL-RL	0.12	20.3	344	133.5	0	195.148
Stage1	-0.05	244.924	63.197	UL-RL	0.12	20.3	344	137.5	0	200.697
Stage1	-0.45	251.294	64.747	UL-RL	0.12	20.3	344	141.5	0	206.247
Stage1	-0.85	257.665	66.299	UL-RL	0.12	20.3	344	145.5	0	211.799
Stage1	-1.25	264.038	67.852	UL-RL	0.12	20.3	344	149.5	0	217.352
Stage1	-1.45	267.331	68.629	UL-RL	0.12	20.3	344	151.5	0	220.129
Stage1	-1.85	273.703	70.184	UL-RL	0.12	20.3	344	155.5	0	225.684
Stage1	-2.25	280.076	71.74	UL-RL	0.12	20.3	344	159.5	0	231.24
Stage1	-2.65	286.451	73.298	UL-RL	0.12	20.3	344	163.5	0	236.798
Stage1	-3.05	292.826	74.857	UL-RL	0.12	20.3	344	167.5	0	242.357
Stage1	-3.45	299.203	76.417	UL-RL	0.12	20.3	344	171.5	0	247.917
Stage1	-3.85	305.58	77.978	UL-RL	0.12	20.3	344	175.5	0	253.478
Stage1	-4.25	311.959	79.541	UL-RL	0.12	20.3	344	179.5	0	259.041
Stage1	-4.65	318.338	81.105	UL-RL	0.12	20.3	344	183.5	0	264.605
Stage1	-5.05	324.718	82.67	UL-RL	0.12	20.3	344	187.5	0	270.17
Stage1	-5.45	331.098	84.237	UL-RL	0.12	20.3	344	191.5	0	275.737

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-5.85	337.48	85.805	UL-RL	0.12	20.3	344	195.5	0	0	281.305
Stage1	-6.25	344.029	87.374	UL-RL	0.12	20.3	344	199.5	0	0	286.874
Stage1	-6.65	350.408	88.945	UL-RL	0.12	20.3	344	203.5	0	0	292.445
Stage1	-7.05	356.789	90.516	UL-RL	0.12	20.3	344	207.5	0	0	298.016
Stage1	-7.45	363.17	92.089	UL-RL	0.12	20.3	344	211.5	0	0	303.589
Stage1	-7.85	369.552	93.664	UL-RL	0.12	20.3	344	215.5	0	0	309.164
Stage1	-8.25	375.934	95.239	UL-RL	0.12	20.3	344	219.5	0	0	314.739
Stage1	-8.65	382.317	96.816	UL-RL	0.12	20.3	344	223.5	0	0	320.316
Stage1	-9.05	388.701	98.394	UL-RL	0.12	20.3	344	227.5	0	0	325.894
Stage1	-9.45	395.085	99.973	UL-RL	0.12	20.3	344	231.5	0	0	331.472
Stage1	-9.85	401.469	101.553	UL-RL	0.12	20.3	344	235.5	0	0	337.053
Stage1	-10.25	407.854	103.134	UL-RL	0.12	20.3	344	239.5	0	0	342.634
Stage1	-10.65	414.24	104.716	UL-RL	0.12	20.3	344	243.5	0	0	348.217
Stage1	-11.05	420.762	106.3	UL-RL	0.12	20.3	344	247.5	0	0	353.8
Stage1	-11.45	427.147	107.885	UL-RL	0.12	20.3	344	251.5	0	0	359.385
Stage1	-11.85	433.531	109.471	UL-RL	0.12	20.3	344	255.5	0	0	364.971
Stage1	-12.25	439.916	111.058	UL-RL	0.12	20.3	344	259.5	0	0	370.558
Stage1	-12.65	446.302	112.646	UL-RL	0.12	20.3	344	263.5	0	0	376.146
Stage1	-13.05	452.688	114.235	UL-RL	0.12	20.3	344	267.5	0	0	381.735
Stage1	-13.45	459.074	115.825	UL-RL	0.12	20.3	344	271.5	0	0	387.325
Stage1	-13.85	465.461	117.416	UL-RL	0.12	20.3	344	275.5	0	0	392.916
Stage1	-14.25	471.848	119.008	UL-RL	0.12	20.3	344	279.5	0	0	398.508
Stage1	-14.65	478.235	120.601	UL-RL	0.12	20.3	344	283.5	0	0	404.101
Stage1	-15.05	484.623	122.196	UL-RL	0.12	20.3	344	287.5	0	0	409.695
Stage1	-15.45	491.129	123.791	UL-RL	0.12	20.3	344	291.5	0	0	415.291
Stage1	-15.85	497.516	125.387	UL-RL	0.12	20.3	344	295.5	0	0	420.887
Stage1	-16.25	503.903	126.984	UL-RL	0.12	20.3	344	299.5	0	0	426.484
Stage1	-16.65	510.29	128.582	UL-RL	0.12	20.3	344	303.5	0	0	432.082
Stage1	-17.05	516.678	130.18	UL-RL	0.12	20.3	344	307.5	0	0	437.68
Stage1	-17.3	520.712	131.18	UL-RL	0.12	20.3	344	310	0	0	441.18

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage2

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	15.7	0	0	ACTIVE	0.361	3.222	14	0	0	0	0
Stage2	15.35	16.25	7.616	UL-RL	0.361	3.222	14	0	0	0	7.616
Stage2	14.95	27.419	14.024	UL-RL	0.361	3.222	14	0	0	0	14.024
Stage2	14.55	36.919	20.116	UL-RL	0.361	3.222	14	0	0	0	20.116
Stage2	14.15	45.605	25.873	UL-RL	0.361	3.222	14	0	0	0	25.873
Stage2	13.75	54.185	31.267	UL-RL	0.361	3.222	14	0	0	0	31.267
Stage2	13.35	59.378	34.264	UL-RL	0.361	3.222	14	3.5	0	0	37.764
Stage2	12.95	63.884	36.718	UL-RL	0.361	3.222	14	7.5	0	0	44.218
Stage2	12.55	68.268	39.008	UL-RL	0.361	3.222	14	11.5	0	0	50.508
Stage2	12.15	71.449	41.206	UL-RL	0.361	3.222	14	15.5	0	0	56.706
Stage2	11.75	75.003	43.37	UL-RL	0.361	3.222	14	19.5	0	0	62.87
Stage2	11.35	78.804	45.542	UL-RL	0.361	3.222	14	23.5	0	0	69.042
Stage2	10.95	82.635	47.752	UL-RL	0.361	3.222	14	27.5	0	0	75.252
Stage2	10.55	86.489	50.019	UL-RL	0.361	3.222	14	31.5	0	0	81.519
Stage2	10.15	90.363	52.352	UL-RL	0.361	3.222	14	35.5	0	0	87.852
Stage2	9.95	92.616	53.545	UL-RL	0.361	3.222	14	37.5	0	0	91.045
Stage2	9.55	96.493	55.971	UL-RL	0.361	3.222	14	41.5	0	0	97.471
Stage2	9.15	100.384	58.426	UL-RL	0.361	3.222	14	45.5	0	0	103.926
Stage2	8.75	104.587	25.236	UL-RL	0.12	20.3	344	49.5	0	0	74.736
Stage2	8.35	110.899	31.172	UL-RL	0.12	20.3	344	53.5	0	0	84.672
Stage2	7.95	117.221	33.333	UL-RL	0.12	20.3	344	57.5	0	0	90.833
Stage2	7.55	123.549	34.419	UL-RL	0.12	20.3	344	61.5	0	0	95.919
Stage2	7.15	129.884	35.589	UL-RL	0.12	20.3	344	65.5	0	0	101.089
Stage2	6.75	136.224	36.999	UL-RL	0.12	20.3	344	69.5	0	0	106.499
Stage2	6.35	142.569	38.527	UL-RL	0.12	20.3	344	73.5	0	0	112.027
Stage2	5.95	148.918	40.079	UL-RL	0.12	20.3	344	77.5	0	0	117.579
Stage2	5.55	155.629	41.622	UL-RL	0.12	20.3	344	81.5	0	0	123.122
Stage2	5.15	161.972	43.158	UL-RL	0.12	20.3	344	85.5	0	0	128.658
Stage2	4.75	168.32	44.692	UL-RL	0.12	20.3	344	89.5	0	0	134.192
Stage2	4.35	174.671	46.227	UL-RL	0.12	20.3	344	93.5	0	0	139.726
Stage2	3.95	181.025	47.763	UL-RL	0.12	20.3	344	97.5	0	0	145.263
Stage2	3.55	187.382	49.301	UL-RL	0.12	20.3	344	101.5	0	0	150.801
Stage2	3.15	193.742	50.84	UL-RL	0.12	20.3	344	105.5	0	0	156.34
Stage2	2.75	200.104	52.38	UL-RL	0.12	20.3	344	109.5	0	0	161.88
Stage2	2.35	206.469	53.922	UL-RL	0.12	20.3	344	113.5	0	0	167.422
Stage2	1.95	212.835	55.464	UL-RL	0.12	20.3	344	117.5	0	0	172.964
Stage2	1.55	219.203	57.008	UL-RL	0.12	20.3	344	121.5	0	0	178.508
Stage2	1.15	225.573	58.554	UL-RL	0.12	20.3	344	125.5	0	0	184.054
Stage2	0.75	232.189	60.1	UL-RL	0.12	20.3	344	129.5	0	0	189.6
Stage2	0.35	238.555	61.648	UL-RL	0.12	20.3	344	133.5	0	0	195.148
Stage2	-0.05	244.924	63.197	UL-RL	0.12	20.3	344	137.5	0	0	200.697
Stage2	-0.45	251.294	64.747	UL-RL	0.12	20.3	344	141.5	0	0	206.247
Stage2	-0.85	257.665	66.299	UL-RL	0.12	20.3	344	145.5	0	0	211.799
Stage2	-1.25	264.038	67.852	UL-RL	0.12	20.3	344	149.5	0	0	217.352
Stage2	-1.45	267.331	68.629	UL-RL	0.12	20.3	344	151.5	0	0	220.129
Stage2	-1.85	273.703	70.184	UL-RL	0.12	20.3	344	155.5	0	0	225.684
Stage2	-2.25	280.076	71.74	UL-RL	0.12	20.3	344	159.5	0	0	231.24
Stage2	-2.65	286.451	73.298	UL-RL	0.12	20.3	344	163.5	0	0	236.798
Stage2	-3.05	292.826	74.857	UL-RL	0.12	20.3	344	167.5	0	0	242.357
Stage2	-3.45	299.203	76.417	UL-RL	0.12	20.3	344	171.5	0	0	247.917
Stage2	-3.85	305.58	77.978	UL-RL	0.12	20.3	344	175.5	0	0	253.478
Stage2	-4.25	311.959	79.541	UL-RL	0.12	20.3	344	179.5	0	0	259.041

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-4.65	318.338	81.105	UL-RL	0.12	20.3	344	183.5	0	0	264.605
Stage2	-5.05	324.718	82.67	UL-RL	0.12	20.3	344	187.5	0	0	270.17
Stage2	-5.45	331.098	84.237	UL-RL	0.12	20.3	344	191.5	0	0	275.737
Stage2	-5.85	337.48	85.805	UL-RL	0.12	20.3	344	195.5	0	0	281.305
Stage2	-6.25	344.029	87.374	UL-RL	0.12	20.3	344	199.5	0	0	286.874
Stage2	-6.65	350.408	88.945	UL-RL	0.12	20.3	344	203.5	0	0	292.445
Stage2	-7.05	356.789	90.516	UL-RL	0.12	20.3	344	207.5	0	0	298.016
Stage2	-7.45	363.17	92.089	UL-RL	0.12	20.3	344	211.5	0	0	303.589
Stage2	-7.85	369.552	93.664	UL-RL	0.12	20.3	344	215.5	0	0	309.164
Stage2	-8.25	375.934	95.239	UL-RL	0.12	20.3	344	219.5	0	0	314.739
Stage2	-8.65	382.317	96.816	UL-RL	0.12	20.3	344	223.5	0	0	320.316
Stage2	-9.05	388.701	98.394	UL-RL	0.12	20.3	344	227.5	0	0	325.894
Stage2	-9.45	395.085	99.973	UL-RL	0.12	20.3	344	231.5	0	0	331.472
Stage2	-9.85	401.469	101.553	UL-RL	0.12	20.3	344	235.5	0	0	337.053
Stage2	-10.25	407.854	103.134	UL-RL	0.12	20.3	344	239.5	0	0	342.634
Stage2	-10.65	414.24	104.716	UL-RL	0.12	20.3	344	243.5	0	0	348.217
Stage2	-11.05	420.762	106.3	UL-RL	0.12	20.3	344	247.5	0	0	353.8
Stage2	-11.45	427.147	107.885	UL-RL	0.12	20.3	344	251.5	0	0	359.385
Stage2	-11.85	433.531	109.471	UL-RL	0.12	20.3	344	255.5	0	0	364.971
Stage2	-12.25	439.916	111.058	UL-RL	0.12	20.3	344	259.5	0	0	370.558
Stage2	-12.65	446.302	112.646	UL-RL	0.12	20.3	344	263.5	0	0	376.146
Stage2	-13.05	452.688	114.235	UL-RL	0.12	20.3	344	267.5	0	0	381.735
Stage2	-13.45	459.074	115.825	UL-RL	0.12	20.3	344	271.5	0	0	387.325
Stage2	-13.85	465.461	117.416	UL-RL	0.12	20.3	344	275.5	0	0	392.916
Stage2	-14.25	471.848	119.008	UL-RL	0.12	20.3	344	279.5	0	0	398.508
Stage2	-14.65	478.235	120.601	UL-RL	0.12	20.3	344	283.5	0	0	404.101
Stage2	-15.05	484.623	122.196	UL-RL	0.12	20.3	344	287.5	0	0	409.695
Stage2	-15.45	491.129	123.791	UL-RL	0.12	20.3	344	291.5	0	0	415.291
Stage2	-15.85	497.516	125.387	UL-RL	0.12	20.3	344	295.5	0	0	420.887
Stage2	-16.25	503.903	126.984	UL-RL	0.12	20.3	344	299.5	0	0	426.484
Stage2	-16.65	510.29	128.582	UL-RL	0.12	20.3	344	303.5	0	0	432.082
Stage2	-17.05	516.678	130.18	UL-RL	0.12	20.3	344	307.5	0	0	437.68
Stage2	-17.3	520.712	131.18	UL-RL	0.12	20.3	344	310	0	0	441.18

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	14.95	0	15.582	UL-RL	0.3613.222	14	0	0	0	15.582	
Stage2	14.55	8	24.609	V-C	0.3613.222	14	0	0	0	24.609	
Stage2	14.15	16	28.562	UL-RL	0.3613.222	14	0	0	0	28.562	
Stage2	13.75	24	32.402	UL-RL	0.3613.222	14	0	0	0	32.402	
Stage2	13.35	28.5	34.401	UL-RL	0.3613.222	14	3.5	0	0	37.901	
Stage2	12.95	32.5	36.342	UL-RL	0.3613.222	14	7.5	0	0	43.842	
Stage2	12.55	36.5	38.452	UL-RL	0.3613.222	14	11.5	0	0	49.952	
Stage2	12.15	40.5	40.664	UL-RL	0.3613.222	14	15.5	0	0	56.164	
Stage2	11.75	44.5	42.924	UL-RL	0.3613.222	14	19.5	0	0	62.424	
Stage2	11.35	48.5	45.191	UL-RL	0.3613.222	14	23.5	0	0	68.691	
Stage2	10.95	52.5	47.439	UL-RL	0.3613.222	14	27.5	0	0	74.939	
Stage2	10.55	56.5	49.647	UL-RL	0.3613.222	14	31.5	0	0	81.147	
Stage2	10.15	60.5	51.806	UL-RL	0.3613.222	14	35.5	0	0	87.306	
Stage2	9.95	62.5	52.866	UL-RL	0.3613.222	14	37.5	0	0	90.366	
Stage2	9.55	66.5	54.955	UL-RL	0.3613.222	14	41.5	0	0	96.455	
Stage2	9.15	70.5	57.025	UL-RL	0.3613.222	14	45.5	0	0	102.525	
Stage2	8.75	74.8	30.626	UL-RL	0.12 20.3	344	49.5	0	0	80.126	
Stage2	8.35	81.2	30.85	UL-RL	0.12 20.3	344	53.5	0	0	84.35	
Stage2	7.95	87.6	32.187	UL-RL	0.12 20.3	344	57.5	0	0	89.687	
Stage2	7.55	94	33.843	UL-RL	0.12 20.3	344	61.5	0	0	95.343	
Stage2	7.15	100.4	35.476	UL-RL	0.12 20.3	344	65.5	0	0	100.976	
Stage2	6.75	106.8	37.04	UL-RL	0.12 20.3	344	69.5	0	0	106.54	
Stage2	6.35	113.2	38.57	UL-RL	0.12 20.3	344	73.5	0	0	112.07	
Stage2	5.95	119.6	40.095	UL-RL	0.12 20.3	344	77.5	0	0	117.595	
Stage2	5.55	126	41.624	UL-RL	0.12 20.3	344	81.5	0	0	123.124	
Stage2	5.15	132.4	43.156	UL-RL	0.12 20.3	344	85.5	0	0	128.656	
Stage2	4.75	138.8	44.69	UL-RL	0.12 20.3	344	89.5	0	0	134.19	
Stage2	4.35	145.2	46.226	UL-RL	0.12 20.3	344	93.5	0	0	139.726	
Stage2	3.95	151.6	47.763	UL-RL	0.12 20.3	344	97.5	0	0	145.263	
Stage2	3.55	158	49.301	UL-RL	0.12 20.3	344	101.5	0	0	150.801	
Stage2	3.15	164.4	50.84	UL-RL	0.12 20.3	344	105.5	0	0	156.34	
Stage2	2.75	170.8	52.38	UL-RL	0.12 20.3	344	109.5	0	0	161.88	
Stage2	2.35	177.2	53.922	UL-RL	0.12 20.3	344	113.5	0	0	167.422	
Stage2	1.95	183.6	55.464	UL-RL	0.12 20.3	344	117.5	0	0	172.964	
Stage2	1.55	190	57.008	UL-RL	0.12 20.3	344	121.5	0	0	178.508	
Stage2	1.15	196.4	58.554	UL-RL	0.12 20.3	344	125.5	0	0	184.054	
Stage2	0.75	202.8	60.1	UL-RL	0.12 20.3	344	129.5	0	0	189.6	
Stage2	0.35	209.2	61.648	UL-RL	0.12 20.3	344	133.5	0	0	195.148	
Stage2	-0.05	215.6	63.197	UL-RL	0.12 20.3	344	137.5	0	0	200.697	
Stage2	-0.45	222	64.747	UL-RL	0.12 20.3	344	141.5	0	0	206.247	
Stage2	-0.85	228.4	66.299	UL-RL	0.12 20.3	344	145.5	0	0	211.799	
Stage2	-1.25	234.8	67.852	UL-RL	0.12 20.3	344	149.5	0	0	217.352	
Stage2	-1.45	238	68.629	UL-RL	0.12 20.3	344	151.5	0	0	220.129	
Stage2	-1.85	244.4	70.184	UL-RL	0.12 20.3	344	155.5	0	0	225.684	
Stage2	-2.25	250.8	71.74	UL-RL	0.12 20.3	344	159.5	0	0	231.24	
Stage2	-2.65	257.2	73.298	UL-RL	0.12 20.3	344	163.5	0	0	236.798	
Stage2	-3.05	263.6	74.857	UL-RL	0.12 20.3	344	167.5	0	0	242.357	
Stage2	-3.45	270	76.417	UL-RL	0.12 20.3	344	171.5	0	0	247.917	
Stage2	-3.85	276.4	77.978	UL-RL	0.12 20.3	344	175.5	0	0	253.478	
Stage2	-4.25	282.8	79.541	UL-RL	0.12 20.3	344	179.5	0	0	259.041	
Stage2	-4.65	289.2	81.105	UL-RL	0.12 20.3	344	183.5	0	0	264.605	
Stage2	-5.05	295.6	82.67	UL-RL	0.12 20.3	344	187.5	0	0	270.17	
Stage2	-5.45	302	84.237	UL-RL	0.12 20.3	344	191.5	0	0	275.737	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-5.85	308.4	85.805	UL-RL	0.12	20.3	344	195.5	0	0	281.305
Stage2	-6.25	314.8	87.374	UL-RL	0.12	20.3	344	199.5	0	0	286.874
Stage2	-6.65	321.2	88.945	UL-RL	0.12	20.3	344	203.5	0	0	292.445
Stage2	-7.05	327.6	90.516	UL-RL	0.12	20.3	344	207.5	0	0	298.016
Stage2	-7.45	334	92.089	UL-RL	0.12	20.3	344	211.5	0	0	303.589
Stage2	-7.85	340.4	93.664	UL-RL	0.12	20.3	344	215.5	0	0	309.164
Stage2	-8.25	346.8	95.239	UL-RL	0.12	20.3	344	219.5	0	0	314.739
Stage2	-8.65	353.2	96.816	UL-RL	0.12	20.3	344	223.5	0	0	320.316
Stage2	-9.05	359.6	98.394	UL-RL	0.12	20.3	344	227.5	0	0	325.894
Stage2	-9.45	366	99.973	UL-RL	0.12	20.3	344	231.5	0	0	331.472
Stage2	-9.85	372.4	101.553	UL-RL	0.12	20.3	344	235.5	0	0	337.053
Stage2	-10.25	378.8	103.134	UL-RL	0.12	20.3	344	239.5	0	0	342.634
Stage2	-10.65	385.2	104.716	UL-RL	0.12	20.3	344	243.5	0	0	348.217
Stage2	-11.05	391.6	106.3	UL-RL	0.12	20.3	344	247.5	0	0	353.8
Stage2	-11.45	398	107.885	UL-RL	0.12	20.3	344	251.5	0	0	359.385
Stage2	-11.85	404.4	109.471	UL-RL	0.12	20.3	344	255.5	0	0	364.971
Stage2	-12.25	410.8	111.058	UL-RL	0.12	20.3	344	259.5	0	0	370.558
Stage2	-12.65	417.2	112.646	UL-RL	0.12	20.3	344	263.5	0	0	376.146
Stage2	-13.05	423.6	114.235	UL-RL	0.12	20.3	344	267.5	0	0	381.735
Stage2	-13.45	430	115.825	UL-RL	0.12	20.3	344	271.5	0	0	387.325
Stage2	-13.85	436.4	117.416	UL-RL	0.12	20.3	344	275.5	0	0	392.916
Stage2	-14.25	442.8	119.008	UL-RL	0.12	20.3	344	279.5	0	0	398.508
Stage2	-14.65	449.2	120.601	UL-RL	0.12	20.3	344	283.5	0	0	404.101
Stage2	-15.05	455.6	122.196	UL-RL	0.12	20.3	344	287.5	0	0	409.695
Stage2	-15.45	462	123.791	UL-RL	0.12	20.3	344	291.5	0	0	415.291
Stage2	-15.85	468.4	125.387	UL-RL	0.12	20.3	344	295.5	0	0	420.887
Stage2	-16.25	474.8	126.984	UL-RL	0.12	20.3	344	299.5	0	0	426.484
Stage2	-16.65	481.2	128.582	UL-RL	0.12	20.3	344	303.5	0	0	432.082
Stage2	-17.05	487.6	130.18	UL-RL	0.12	20.3	344	307.5	0	0	437.68
Stage2	-17.3	491.6	131.18	UL-RL	0.12	20.3	344	310	0	0	441.18

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage2

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	14.95	0	15.582	UL-RL	0.361	3.222	14	0	0	0	15.582
Stage2	14.55	8	24.609	V-C	0.361	3.222	14	0	0	0	24.609
Stage2	14.15	16	28.562	UL-RL	0.361	3.222	14	0	0	0	28.562
Stage2	13.75	24	32.402	UL-RL	0.361	3.222	14	0	0	0	32.402
Stage2	13.35	28.5	34.401	UL-RL	0.361	3.222	14	3.5	0	0	37.901
Stage2	12.95	32.5	36.342	UL-RL	0.361	3.222	14	7.5	0	0	43.842
Stage2	12.55	36.5	38.452	UL-RL	0.361	3.222	14	11.5	0	0	49.952
Stage2	12.15	40.5	40.664	UL-RL	0.361	3.222	14	15.5	0	0	56.164
Stage2	11.75	44.5	42.924	UL-RL	0.361	3.222	14	19.5	0	0	62.424
Stage2	11.35	48.5	45.191	UL-RL	0.361	3.222	14	23.5	0	0	68.691
Stage2	10.95	52.5	47.439	UL-RL	0.361	3.222	14	27.5	0	0	74.939
Stage2	10.55	56.5	49.647	UL-RL	0.361	3.222	14	31.5	0	0	81.147
Stage2	10.15	60.5	51.806	UL-RL	0.361	3.222	14	35.5	0	0	87.306
Stage2	9.95	62.5	52.866	UL-RL	0.361	3.222	14	37.5	0	0	90.366
Stage2	9.55	66.5	54.955	UL-RL	0.361	3.222	14	41.5	0	0	96.455
Stage2	9.15	70.5	57.025	UL-RL	0.361	3.222	14	45.5	0	0	102.525
Stage2	8.75	74.8	30.626	UL-RL	0.12	20.3	344	49.5	0	0	80.126
Stage2	8.35	81.2	30.85	UL-RL	0.12	20.3	344	53.5	0	0	84.35
Stage2	7.95	87.6	32.187	UL-RL	0.12	20.3	344	57.5	0	0	89.687
Stage2	7.55	94	33.843	UL-RL	0.12	20.3	344	61.5	0	0	95.343
Stage2	7.15	100.4	35.476	UL-RL	0.12	20.3	344	65.5	0	0	100.976
Stage2	6.75	106.8	37.04	UL-RL	0.12	20.3	344	69.5	0	0	106.54
Stage2	6.35	113.2	38.57	UL-RL	0.12	20.3	344	73.5	0	0	112.07
Stage2	5.95	119.6	40.095	UL-RL	0.12	20.3	344	77.5	0	0	117.595
Stage2	5.55	126	41.624	UL-RL	0.12	20.3	344	81.5	0	0	123.124
Stage2	5.15	132.4	43.156	UL-RL	0.12	20.3	344	85.5	0	0	128.656
Stage2	4.75	138.8	44.69	UL-RL	0.12	20.3	344	89.5	0	0	134.19
Stage2	4.35	145.2	46.226	UL-RL	0.12	20.3	344	93.5	0	0	139.726
Stage2	3.95	151.6	47.763	UL-RL	0.12	20.3	344	97.5	0	0	145.263
Stage2	3.55	158	49.301	UL-RL	0.12	20.3	344	101.5	0	0	150.801
Stage2	3.15	164.4	50.84	UL-RL	0.12	20.3	344	105.5	0	0	156.34
Stage2	2.75	170.8	52.38	UL-RL	0.12	20.3	344	109.5	0	0	161.88
Stage2	2.35	177.2	53.922	UL-RL	0.12	20.3	344	113.5	0	0	167.422
Stage2	1.95	183.6	55.464	UL-RL	0.12	20.3	344	117.5	0	0	172.964
Stage2	1.55	190	57.008	UL-RL	0.12	20.3	344	121.5	0	0	178.508
Stage2	1.15	196.4	58.554	UL-RL	0.12	20.3	344	125.5	0	0	184.054
Stage2	0.75	202.8	60.1	UL-RL	0.12	20.3	344	129.5	0	0	189.6
Stage2	0.35	209.2	61.648	UL-RL	0.12	20.3	344	133.5	0	0	195.148
Stage2	-0.05	215.6	63.197	UL-RL	0.12	20.3	344	137.5	0	0	200.697
Stage2	-0.45	222	64.747	UL-RL	0.12	20.3	344	141.5	0	0	206.247
Stage2	-0.85	228.4	66.299	UL-RL	0.12	20.3	344	145.5	0	0	211.799
Stage2	-1.25	234.8	67.852	UL-RL	0.12	20.3	344	149.5	0	0	217.352
Stage2	-1.45	238	68.629	UL-RL	0.12	20.3	344	151.5	0	0	220.129
Stage2	-1.85	244.4	70.184	UL-RL	0.12	20.3	344	155.5	0	0	225.684
Stage2	-2.25	250.8	71.74	UL-RL	0.12	20.3	344	159.5	0	0	231.24
Stage2	-2.65	257.2	73.298	UL-RL	0.12	20.3	344	163.5	0	0	236.798
Stage2	-3.05	263.6	74.857	UL-RL	0.12	20.3	344	167.5	0	0	242.357
Stage2	-3.45	270	76.417	UL-RL	0.12	20.3	344	171.5	0	0	247.917
Stage2	-3.85	276.4	77.978	UL-RL	0.12	20.3	344	175.5	0	0	253.478
Stage2	-4.25	282.8	79.541	UL-RL	0.12	20.3	344	179.5	0	0	259.041

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-4.65	289.2	81.105	UL-RL	0.12	20.3	344	183.5	0	0	264.605
Stage2	-5.05	295.6	82.67	UL-RL	0.12	20.3	344	187.5	0	0	270.17
Stage2	-5.45	302	84.237	UL-RL	0.12	20.3	344	191.5	0	0	275.737
Stage2	-5.85	308.4	85.805	UL-RL	0.12	20.3	344	195.5	0	0	281.305
Stage2	-6.25	314.8	87.374	UL-RL	0.12	20.3	344	199.5	0	0	286.874
Stage2	-6.65	321.2	88.945	UL-RL	0.12	20.3	344	203.5	0	0	292.445
Stage2	-7.05	327.6	90.516	UL-RL	0.12	20.3	344	207.5	0	0	298.016
Stage2	-7.45	334	92.089	UL-RL	0.12	20.3	344	211.5	0	0	303.589
Stage2	-7.85	340.4	93.664	UL-RL	0.12	20.3	344	215.5	0	0	309.164
Stage2	-8.25	346.8	95.239	UL-RL	0.12	20.3	344	219.5	0	0	314.739
Stage2	-8.65	353.2	96.816	UL-RL	0.12	20.3	344	223.5	0	0	320.316
Stage2	-9.05	359.6	98.394	UL-RL	0.12	20.3	344	227.5	0	0	325.894
Stage2	-9.45	366	99.973	UL-RL	0.12	20.3	344	231.5	0	0	331.472
Stage2	-9.85	372.4	101.553	UL-RL	0.12	20.3	344	235.5	0	0	337.053
Stage2	-10.25	378.8	103.134	UL-RL	0.12	20.3	344	239.5	0	0	342.634
Stage2	-10.65	385.2	104.716	UL-RL	0.12	20.3	344	243.5	0	0	348.217
Stage2	-11.05	391.6	106.3	UL-RL	0.12	20.3	344	247.5	0	0	353.8
Stage2	-11.45	398	107.885	UL-RL	0.12	20.3	344	251.5	0	0	359.385
Stage2	-11.85	404.4	109.471	UL-RL	0.12	20.3	344	255.5	0	0	364.971
Stage2	-12.25	410.8	111.058	UL-RL	0.12	20.3	344	259.5	0	0	370.558
Stage2	-12.65	417.2	112.646	UL-RL	0.12	20.3	344	263.5	0	0	376.146
Stage2	-13.05	423.6	114.235	UL-RL	0.12	20.3	344	267.5	0	0	381.735
Stage2	-13.45	430	115.825	UL-RL	0.12	20.3	344	271.5	0	0	387.325
Stage2	-13.85	436.4	117.416	UL-RL	0.12	20.3	344	275.5	0	0	392.916
Stage2	-14.25	442.8	119.008	UL-RL	0.12	20.3	344	279.5	0	0	398.508
Stage2	-14.65	449.2	120.601	UL-RL	0.12	20.3	344	283.5	0	0	404.101
Stage2	-15.05	455.6	122.196	UL-RL	0.12	20.3	344	287.5	0	0	409.695
Stage2	-15.45	462	123.791	UL-RL	0.12	20.3	344	291.5	0	0	415.291
Stage2	-15.85	468.4	125.387	UL-RL	0.12	20.3	344	295.5	0	0	420.887
Stage2	-16.25	474.8	126.984	UL-RL	0.12	20.3	344	299.5	0	0	426.484
Stage2	-16.65	481.2	128.582	UL-RL	0.12	20.3	344	303.5	0	0	432.082
Stage2	-17.05	487.6	130.18	UL-RL	0.12	20.3	344	307.5	0	0	437.68
Stage2	-17.3	491.6	131.18	UL-RL	0.12	20.3	344	310	0	0	441.18

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	15.7	0	0	ACTIVE	0.361	3.222	14	0	0	0	0
Stage2	15.35	16.25	7.616	UL-RL	0.361	3.222	14	0	0	0	7.616
Stage2	14.95	27.419	14.024	UL-RL	0.361	3.222	14	0	0	0	14.024
Stage2	14.55	36.919	20.116	UL-RL	0.361	3.222	14	0	0	0	20.116
Stage2	14.15	45.605	25.873	UL-RL	0.361	3.222	14	0	0	0	25.873
Stage2	13.75	54.185	31.267	UL-RL	0.361	3.222	14	0	0	0	31.267
Stage2	13.35	59.378	34.264	UL-RL	0.361	3.222	14	3.5	0	0	37.764
Stage2	12.95	63.884	36.718	UL-RL	0.361	3.222	14	7.5	0	0	44.218
Stage2	12.55	68.268	39.008	UL-RL	0.361	3.222	14	11.5	0	0	50.508
Stage2	12.15	71.449	41.206	UL-RL	0.361	3.222	14	15.5	0	0	56.706
Stage2	11.75	75.003	43.37	UL-RL	0.361	3.222	14	19.5	0	0	62.87
Stage2	11.35	78.804	45.542	UL-RL	0.361	3.222	14	23.5	0	0	69.042
Stage2	10.95	82.635	47.752	UL-RL	0.361	3.222	14	27.5	0	0	75.252
Stage2	10.55	86.489	50.019	UL-RL	0.361	3.222	14	31.5	0	0	81.519
Stage2	10.15	90.363	52.352	UL-RL	0.361	3.222	14	35.5	0	0	87.852
Stage2	9.95	92.616	53.545	UL-RL	0.361	3.222	14	37.5	0	0	91.045
Stage2	9.55	96.493	55.971	UL-RL	0.361	3.222	14	41.5	0	0	97.471
Stage2	9.15	100.384	58.426	UL-RL	0.361	3.222	14	45.5	0	0	103.926
Stage2	8.75	104.587	25.236	UL-RL	0.12	20.3	344	49.5	0	0	74.736
Stage2	8.35	110.899	31.172	UL-RL	0.12	20.3	344	53.5	0	0	84.672
Stage2	7.95	117.221	33.333	UL-RL	0.12	20.3	344	57.5	0	0	90.833
Stage2	7.55	123.549	34.419	UL-RL	0.12	20.3	344	61.5	0	0	95.919
Stage2	7.15	129.884	35.589	UL-RL	0.12	20.3	344	65.5	0	0	101.089
Stage2	6.75	136.224	36.999	UL-RL	0.12	20.3	344	69.5	0	0	106.499
Stage2	6.35	142.569	38.527	UL-RL	0.12	20.3	344	73.5	0	0	112.027
Stage2	5.95	148.918	40.079	UL-RL	0.12	20.3	344	77.5	0	0	117.579
Stage2	5.55	155.629	41.622	UL-RL	0.12	20.3	344	81.5	0	0	123.122
Stage2	5.15	161.972	43.158	UL-RL	0.12	20.3	344	85.5	0	0	128.658
Stage2	4.75	168.32	44.692	UL-RL	0.12	20.3	344	89.5	0	0	134.192
Stage2	4.35	174.671	46.227	UL-RL	0.12	20.3	344	93.5	0	0	139.726
Stage2	3.95	181.025	47.763	UL-RL	0.12	20.3	344	97.5	0	0	145.263
Stage2	3.55	187.382	49.301	UL-RL	0.12	20.3	344	101.5	0	0	150.801
Stage2	3.15	193.742	50.84	UL-RL	0.12	20.3	344	105.5	0	0	156.34
Stage2	2.75	200.104	52.38	UL-RL	0.12	20.3	344	109.5	0	0	161.88
Stage2	2.35	206.469	53.922	UL-RL	0.12	20.3	344	113.5	0	0	167.422
Stage2	1.95	212.835	55.464	UL-RL	0.12	20.3	344	117.5	0	0	172.964
Stage2	1.55	219.203	57.008	UL-RL	0.12	20.3	344	121.5	0	0	178.508
Stage2	1.15	225.573	58.554	UL-RL	0.12	20.3	344	125.5	0	0	184.054
Stage2	0.75	232.189	60.1	UL-RL	0.12	20.3	344	129.5	0	0	189.6
Stage2	0.35	238.555	61.648	UL-RL	0.12	20.3	344	133.5	0	0	195.148
Stage2	-0.05	244.924	63.197	UL-RL	0.12	20.3	344	137.5	0	0	200.697
Stage2	-0.45	251.294	64.747	UL-RL	0.12	20.3	344	141.5	0	0	206.247
Stage2	-0.85	257.665	66.299	UL-RL	0.12	20.3	344	145.5	0	0	211.799
Stage2	-1.25	264.038	67.852	UL-RL	0.12	20.3	344	149.5	0	0	217.352
Stage2	-1.45	267.331	68.629	UL-RL	0.12	20.3	344	151.5	0	0	220.129
Stage2	-1.85	273.703	70.184	UL-RL	0.12	20.3	344	155.5	0	0	225.684
Stage2	-2.25	280.076	71.74	UL-RL	0.12	20.3	344	159.5	0	0	231.24
Stage2	-2.65	286.451	73.298	UL-RL	0.12	20.3	344	163.5	0	0	236.798
Stage2	-3.05	292.826	74.857	UL-RL	0.12	20.3	344	167.5	0	0	242.357
Stage2	-3.45	299.203	76.417	UL-RL	0.12	20.3	344	171.5	0	0	247.917
Stage2	-3.85	305.58	77.978	UL-RL	0.12	20.3	344	175.5	0	0	253.478
Stage2	-4.25	311.959	79.541	UL-RL	0.12	20.3	344	179.5	0	0	259.041
Stage2	-4.65	318.338	81.105	UL-RL	0.12	20.3	344	183.5	0	0	264.605
Stage2	-5.05	324.718	82.67	UL-RL	0.12	20.3	344	187.5	0	0	270.17
Stage2	-5.45	331.098	84.237	UL-RL	0.12	20.3	344	191.5	0	0	275.737

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-5.85	337.48	85.805	UL-RL	0.12	20.3	344	195.5	0	0	281.305
Stage2	-6.25	344.029	87.374	UL-RL	0.12	20.3	344	199.5	0	0	286.874
Stage2	-6.65	350.408	88.945	UL-RL	0.12	20.3	344	203.5	0	0	292.445
Stage2	-7.05	356.789	90.516	UL-RL	0.12	20.3	344	207.5	0	0	298.016
Stage2	-7.45	363.17	92.089	UL-RL	0.12	20.3	344	211.5	0	0	303.589
Stage2	-7.85	369.552	93.664	UL-RL	0.12	20.3	344	215.5	0	0	309.164
Stage2	-8.25	375.934	95.239	UL-RL	0.12	20.3	344	219.5	0	0	314.739
Stage2	-8.65	382.317	96.816	UL-RL	0.12	20.3	344	223.5	0	0	320.316
Stage2	-9.05	388.701	98.394	UL-RL	0.12	20.3	344	227.5	0	0	325.894
Stage2	-9.45	395.085	99.973	UL-RL	0.12	20.3	344	231.5	0	0	331.472
Stage2	-9.85	401.469	101.553	UL-RL	0.12	20.3	344	235.5	0	0	337.053
Stage2	-10.25	407.854	103.134	UL-RL	0.12	20.3	344	239.5	0	0	342.634
Stage2	-10.65	414.24	104.716	UL-RL	0.12	20.3	344	243.5	0	0	348.217
Stage2	-11.05	420.762	106.3	UL-RL	0.12	20.3	344	247.5	0	0	353.8
Stage2	-11.45	427.147	107.885	UL-RL	0.12	20.3	344	251.5	0	0	359.385
Stage2	-11.85	433.531	109.471	UL-RL	0.12	20.3	344	255.5	0	0	364.971
Stage2	-12.25	439.916	111.058	UL-RL	0.12	20.3	344	259.5	0	0	370.558
Stage2	-12.65	446.302	112.646	UL-RL	0.12	20.3	344	263.5	0	0	376.146
Stage2	-13.05	452.688	114.235	UL-RL	0.12	20.3	344	267.5	0	0	381.735
Stage2	-13.45	459.074	115.825	UL-RL	0.12	20.3	344	271.5	0	0	387.325
Stage2	-13.85	465.461	117.416	UL-RL	0.12	20.3	344	275.5	0	0	392.916
Stage2	-14.25	471.848	119.008	UL-RL	0.12	20.3	344	279.5	0	0	398.508
Stage2	-14.65	478.235	120.601	UL-RL	0.12	20.3	344	283.5	0	0	404.101
Stage2	-15.05	484.623	122.196	UL-RL	0.12	20.3	344	287.5	0	0	409.695
Stage2	-15.45	491.129	123.791	UL-RL	0.12	20.3	344	291.5	0	0	415.291
Stage2	-15.85	497.516	125.387	UL-RL	0.12	20.3	344	295.5	0	0	420.887
Stage2	-16.25	503.903	126.984	UL-RL	0.12	20.3	344	299.5	0	0	426.484
Stage2	-16.65	510.29	128.582	UL-RL	0.12	20.3	344	303.5	0	0	432.082
Stage2	-17.05	516.678	130.18	UL-RL	0.12	20.3	344	307.5	0	0	437.68
Stage2	-17.3	520.712	131.18	UL-RL	0.12	20.3	344	310	0	0	441.18

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage3

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	15.7	0	10.986	V-C	0.3613.222	14	0	0	0	10.986
Stage3	15.35	16.25	4.401	UL-RL	0.3613.222	14	0	0	0	4.401
Stage3	14.95	27.419	0	ACTIVE	0.3613.222	14	0	0	0	0
Stage3	14.55	36.919	0	ACTIVE	0.3613.222	14	0	0	0	0
Stage3	14.15	45.605	0	ACTIVE	0.3613.222	14	0	0	0	0
Stage3	13.75	54.185	2.738	ACTIVE	0.3613.222	14	0	0	0	2.738
Stage3	13.35	62.878	5.876	ACTIVE	0.3613.222	14	0	0	0	5.876
Stage3	12.95	71.384	8.946	ACTIVE	0.3613.222	14	0	0	0	8.946
Stage3	12.55	79.768	11.973	ACTIVE	0.3613.222	14	0	0	0	11.973
Stage3	12.15	86.949	14.565	ACTIVE	0.3613.222	14	0	0	0	14.565
Stage3	11.75	94.503	17.292	ACTIVE	0.3613.222	14	0	0	0	17.292
Stage3	11.35	102.304	20.108	ACTIVE	0.3613.222	14	0	0	0	20.108
Stage3	10.95	110.135	22.935	ACTIVE	0.3613.222	14	0	0	0	22.935
Stage3	10.55	117.989	25.771	ACTIVE	0.3613.222	14	0	0	0	25.771
Stage3	10.15	122.918	27.55	ACTIVE	0.3613.222	14	2.945	0.018	0	30.495
Stage3	9.95	125.207	28.377	ACTIVE	0.3613.222	14	4.908	0.018	0	33.285
Stage3	9.55	129.158	29.803	ACTIVE	0.3613.222	14	8.835	0.018	0	38.638
Stage3	9.15	133.122	48.969	UL-RL	0.3613.222	14	12.761	0.018	0	61.731
Stage3	8.75	137.399	0	ACTIVE	0.12 20.3	344	16.688	0.018	0	16.688
Stage3	8.35	143.785	0	ACTIVE	0.12 20.3	344	20.615	0.018	0	20.615
Stage3	7.95	150.179	23.439	UL-RL	0.12 20.3	344	24.541	0.018	0	47.98
Stage3	7.55	156.581	75.371	UL-RL	0.12 20.3	344	28.468	0.018	0	103.839
Stage3	7.15	162.989	59.886	V-C	0.12 20.3	344	32.394	0.018	0	92.28
Stage3	6.75	169.403	37.811	UL-RL	0.12 20.3	344	36.321	0.018	0	74.132
Stage3	6.35	175.821	26.552	UL-RL	0.12 20.3	344	40.248	0.018	0	66.8
Stage3	5.95	182.244	24.522	UL-RL	0.12 20.3	344	44.174	0.018	0	68.697
Stage3	5.55	189.028	26.583	UL-RL	0.12 20.3	344	48.101	0.018	0	74.683
Stage3	5.15	195.445	29.427	UL-RL	0.12 20.3	344	52.028	0.018	0	81.455
Stage3	4.75	201.866	31.882	UL-RL	0.12 20.3	344	55.954	0.018	0	87.836
Stage3	4.35	208.29	33.872	UL-RL	0.12 20.3	344	59.881	0.018	0	93.753
Stage3	3.95	214.718	35.616	UL-RL	0.12 20.3	344	63.807	0.018	0	99.424
Stage3	3.55	221.149	37.288	UL-RL	0.12 20.3	344	67.734	0.018	0	105.022
Stage3	3.15	227.582	38.963	UL-RL	0.12 20.3	344	71.661	0.018	0	110.624
Stage3	2.75	234.017	40.654	UL-RL	0.12 20.3	344	75.587	0.018	0	116.241
Stage3	2.35	240.455	42.354	UL-RL	0.12 20.3	344	79.514	0.018	0	121.868
Stage3	1.95	246.895	44.056	UL-RL	0.12 20.3	344	83.44	0.018	0	127.496
Stage3	1.55	253.336	45.755	UL-RL	0.12 20.3	344	87.367	0.018	0	133.122
Stage3	1.15	259.78	47.451	UL-RL	0.12 20.3	344	91.294	0.018	0	138.745
Stage3	0.75	266.468	49.145	UL-RL	0.12 20.3	344	95.22	0.018	0	144.365
Stage3	0.35	272.909	50.837	UL-RL	0.12 20.3	344	99.147	0.018	0	149.984
Stage3	-0.05	279.35	52.528	UL-RL	0.12 20.3	344	103.073	0.018	0	155.601
Stage3	-0.45	285.794	54.218	UL-RL	0.12 20.3	344	107	0.018	0	161.218
Stage3	-0.85	292.239	55.907	UL-RL	0.12 20.3	344	110.927	0.018	0	166.834
Stage3	-1.25	298.685	57.596	UL-RL	0.12 20.3	344	114.853	0.018	0	172.45
Stage3	-1.45	302.014	58.441	UL-RL	0.12 20.3	344	116.816	0.018	0	175.257
Stage3	-1.85	308.46	60.13	UL-RL	0.12 20.3	344	120.743	0.018	0	180.873
Stage3	-2.25	314.907	61.818	UL-RL	0.12 20.3	344	124.67	0.018	0	186.488
Stage3	-2.65	321.354	63.507	UL-RL	0.12 20.3	344	128.596	0.018	0	192.103
Stage3	-3.05	327.803	65.196	UL-RL	0.12 20.3	344	132.523	0.018	0	197.719
Stage3	-3.45	334.253	66.885	UL-RL	0.12 20.3	344	136.45	0.018	0	203.334
Stage3	-3.85	340.704	68.574	UL-RL	0.12 20.3	344	140.376	0.018	0	208.95
Stage3	-4.25	347.156	70.264	UL-RL	0.12 20.3	344	144.303	0.018	0	214.567

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-4.65	353.608	71.954	UL-RL	0.12	20.3	344	148.229	0.018	0	220.184
Stage3	-5.05	360.062	73.645	UL-RL	0.12	20.3	344	152.156	0.018	0	225.801
Stage3	-5.45	366.516	75.337	UL-RL	0.12	20.3	344	156.083	0.018	0	231.419
Stage3	-5.85	372.971	77.029	UL-RL	0.12	20.3	344	160.009	0.018	0	237.038
Stage3	-6.25	379.593	78.721	UL-RL	0.12	20.3	344	163.936	0.018	0	242.657
Stage3	-6.65	386.046	80.415	UL-RL	0.12	20.3	344	167.862	0.018	0	248.277
Stage3	-7.05	392.5	82.109	UL-RL	0.12	20.3	344	171.789	0.018	0	253.898
Stage3	-7.45	398.954	83.803	UL-RL	0.12	20.3	344	175.716	0.018	0	259.519
Stage3	-7.85	405.41	85.499	UL-RL	0.12	20.3	344	179.642	0.018	0	265.141
Stage3	-8.25	411.866	87.195	UL-RL	0.12	20.3	344	183.569	0.018	0	270.764
Stage3	-8.65	418.322	88.892	UL-RL	0.12	20.3	344	187.495	0.018	0	276.388
Stage3	-9.05	424.779	90.59	UL-RL	0.12	20.3	344	191.422	0.018	0	282.012
Stage3	-9.45	431.236	92.289	UL-RL	0.12	20.3	344	195.349	0.018	0	287.638
Stage3	-9.85	437.694	93.988	UL-RL	0.12	20.3	344	199.275	0.018	0	293.264
Stage3	-10.25	444.152	95.689	UL-RL	0.12	20.3	344	203.202	0.018	0	298.891
Stage3	-10.65	450.611	97.39	UL-RL	0.12	20.3	344	207.128	0.018	0	304.518
Stage3	-11.05	457.207	99.092	UL-RL	0.12	20.3	344	211.055	0.018	0	310.147
Stage3	-11.45	463.665	100.795	UL-RL	0.12	20.3	344	214.982	0.018	0	315.777
Stage3	-11.85	470.123	102.499	UL-RL	0.12	20.3	344	218.908	0.018	0	321.407
Stage3	-12.25	476.582	104.203	UL-RL	0.12	20.3	344	222.835	0.018	0	327.038
Stage3	-12.65	483.041	105.909	UL-RL	0.12	20.3	344	226.762	0.018	0	332.67
Stage3	-13.05	489.5	107.615	UL-RL	0.12	20.3	344	230.688	0.018	0	338.303
Stage3	-13.45	495.96	109.322	UL-RL	0.12	20.3	344	234.615	0.018	0	343.937
Stage3	-13.85	502.42	111.03	UL-RL	0.12	20.3	344	238.541	0.018	0	349.571
Stage3	-14.25	508.88	112.739	UL-RL	0.12	20.3	344	242.468	0.018	0	355.206
Stage3	-14.65	515.341	114.448	UL-RL	0.12	20.3	344	246.394	0.018	0	360.842
Stage3	-15.05	521.802	116.158	UL-RL	0.12	20.3	344	250.321	0.018	0	366.479
Stage3	-15.45	528.381	117.87	UL-RL	0.12	20.3	344	254.248	0.018	0	372.117
Stage3	-15.85	534.841	119.581	UL-RL	0.12	20.3	344	258.174	0.018	0	377.756
Stage3	-16.25	541.302	121.294	UL-RL	0.12	20.3	344	262.101	0.018	0	383.395
Stage3	-16.65	547.763	123.008	UL-RL	0.12	20.3	344	266.027	0.018	0	389.035
Stage3	-17.05	554.224	124.722	UL-RL	0.12	20.3	344	269.954	0.018	0	394.676
Stage3	-17.3	558.304	125.794	UL-RL	0.12	20.3	344	272.408	0.018	0	398.202

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.15	2.945	58.442	UL-RL	0.361	3.222	14	3.055	0.018	0	61.497
Stage3	8.75	7.172	243.728	V-C	0.12	20.3	344	7.128	0.018	0	250.856
Stage3	8.35	13.498	90.639	V-C	0.12	20.3	344	11.202	0.018	0	101.841
Stage3	7.95	19.825	24.826	UL-RL	0.12	20.3	344	15.275	0.018	0	40.101
Stage3	7.55	26.151	11.984	UL-RL	0.12	20.3	344	19.349	0.018	0	31.332
Stage3	7.15	32.478	18.894	UL-RL	0.12	20.3	344	23.422	0.018	0	42.316
Stage3	6.75	38.805	27.67	UL-RL	0.12	20.3	344	27.495	0.018	0	55.165
Stage3	6.35	45.131	33.206	UL-RL	0.12	20.3	344	31.569	0.018	0	64.775
Stage3	5.95	51.458	35.984	UL-RL	0.12	20.3	344	35.642	0.018	0	71.626
Stage3	5.55	57.784	37.528	UL-RL	0.12	20.3	344	39.716	0.018	0	77.244
Stage3	5.15	64.111	38.818	UL-RL	0.12	20.3	344	43.789	0.018	0	82.607
Stage3	4.75	70.438	40.206	UL-RL	0.12	20.3	344	47.862	0.018	0	88.068
Stage3	4.35	76.764	41.717	UL-RL	0.12	20.3	344	51.936	0.018	0	93.652
Stage3	3.95	83.091	43.289	UL-RL	0.12	20.3	344	56.009	0.018	0	99.298
Stage3	3.55	89.417	44.873	UL-RL	0.12	20.3	344	60.083	0.018	0	104.956
Stage3	3.15	95.744	46.449	UL-RL	0.12	20.3	344	64.156	0.018	0	110.605
Stage3	2.75	102.071	48.014	UL-RL	0.12	20.3	344	68.229	0.018	0	116.243
Stage3	2.35	108.397	49.571	UL-RL	0.12	20.3	344	72.303	0.018	0	121.874
Stage3	1.95	114.724	51.124	UL-RL	0.12	20.3	344	76.376	0.018	0	127.5
Stage3	1.55	121.05	52.674	UL-RL	0.12	20.3	344	80.45	0.018	0	133.123
Stage3	1.15	127.377	54.222	UL-RL	0.12	20.3	344	84.523	0.018	0	138.745
Stage3	0.75	133.704	55.769	UL-RL	0.12	20.3	344	88.596	0.018	0	144.365
Stage3	0.35	140.03	57.314	UL-RL	0.12	20.3	344	92.67	0.018	0	149.984
Stage3	-0.05	146.357	58.858	UL-RL	0.12	20.3	344	96.743	0.018	0	155.601
Stage3	-0.45	152.684	60.401	UL-RL	0.12	20.3	344	100.816	0.018	0	161.218
Stage3	-0.85	159.01	61.944	UL-RL	0.12	20.3	344	104.89	0.018	0	166.834
Stage3	-1.25	165.337	63.486	UL-RL	0.12	20.3	344	108.963	0.018	0	172.45
Stage3	-1.45	168.5	64.257	UL-RL	0.12	20.3	344	111	0.018	0	175.257
Stage3	-1.85	174.827	65.799	UL-RL	0.12	20.3	344	115.073	0.018	0	180.873
Stage3	-2.25	181.153	67.341	UL-RL	0.12	20.3	344	119.147	0.018	0	186.488
Stage3	-2.65	187.48	68.883	UL-RL	0.12	20.3	344	123.22	0.018	0	192.103
Stage3	-3.05	193.806	70.425	UL-RL	0.12	20.3	344	127.294	0.018	0	197.719
Stage3	-3.45	200.133	71.967	UL-RL	0.12	20.3	344	131.367	0.018	0	203.334
Stage3	-3.85	206.46	73.51	UL-RL	0.12	20.3	344	135.44	0.018	0	208.95
Stage3	-4.25	212.786	75.053	UL-RL	0.12	20.3	344	139.514	0.018	0	214.567
Stage3	-4.65	219.113	76.597	UL-RL	0.12	20.3	344	143.587	0.018	0	220.184
Stage3	-5.05	225.44	78.141	UL-RL	0.12	20.3	344	147.661	0.018	0	225.801
Stage3	-5.45	231.766	79.685	UL-RL	0.12	20.3	344	151.734	0.018	0	231.419

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	RIGHT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	-5.85	238.093	81.23	UL-RL	UL-RL	0.12	20.3	344	155.807	0.018	0	237.038	
Stage3	-6.25	244.419	82.776	UL-RL	UL-RL	0.12	20.3	344	159.881	0.018	0	242.657	
Stage3	-6.65	250.746	84.323	UL-RL	UL-RL	0.12	20.3	344	163.954	0.018	0	248.277	
Stage3	-7.05	257.072	85.87	UL-RL	UL-RL	0.12	20.3	344	168.028	0.018	0	253.898	
Stage3	-7.45	263.399	87.418	UL-RL	UL-RL	0.12	20.3	344	172.101	0.018	0	259.519	
Stage3	-7.85	269.726	88.967	UL-RL	UL-RL	0.12	20.3	344	176.174	0.018	0	265.141	
Stage3	-8.25	276.052	90.516	UL-RL	UL-RL	0.12	20.3	344	180.248	0.018	0	270.764	
Stage3	-8.65	282.379	92.067	UL-RL	UL-RL	0.12	20.3	344	184.321	0.018	0	276.388	
Stage3	-9.05	288.706	93.618	UL-RL	UL-RL	0.12	20.3	344	188.394	0.018	0	282.012	
Stage3	-9.45	295.032	95.17	UL-RL	UL-RL	0.12	20.3	344	192.468	0.018	0	287.638	
Stage3	-9.85	301.359	96.722	UL-RL	UL-RL	0.12	20.3	344	196.541	0.018	0	293.264	
Stage3	-10.25	307.685	98.276	UL-RL	UL-RL	0.12	20.3	344	200.615	0.018	0	298.891	
Stage3	-10.65	314.012	99.83	UL-RL	UL-RL	0.12	20.3	344	204.688	0.018	0	304.518	
Stage3	-11.05	320.338	101.386	UL-RL	UL-RL	0.12	20.3	344	208.762	0.018	0	310.147	
Stage3	-11.45	326.665	102.942	UL-RL	UL-RL	0.12	20.3	344	212.835	0.018	0	315.777	
Stage3	-11.85	332.992	104.499	UL-RL	UL-RL	0.12	20.3	344	216.908	0.018	0	321.407	
Stage3	-12.25	339.318	106.056	UL-RL	UL-RL	0.12	20.3	344	220.982	0.018	0	327.038	
Stage3	-12.65	345.645	107.615	UL-RL	UL-RL	0.12	20.3	344	225.055	0.018	0	332.67	
Stage3	-13.05	351.972	109.175	UL-RL	UL-RL	0.12	20.3	344	229.128	0.018	0	338.303	
Stage3	-13.45	358.298	110.735	UL-RL	UL-RL	0.12	20.3	344	233.202	0.018	0	343.937	
Stage3	-13.85	364.625	112.296	UL-RL	UL-RL	0.12	20.3	344	237.275	0.018	0	349.571	
Stage3	-14.25	370.951	113.858	UL-RL	UL-RL	0.12	20.3	344	241.349	0.018	0	355.206	
Stage3	-14.65	377.278	115.42	UL-RL	UL-RL	0.12	20.3	344	245.422	0.018	0	360.842	
Stage3	-15.05	383.604	116.984	UL-RL	UL-RL	0.12	20.3	344	249.495	0.018	0	366.479	
Stage3	-15.45	389.931	118.548	UL-RL	UL-RL	0.12	20.3	344	253.569	0.018	0	372.117	
Stage3	-15.85	396.258	120.114	UL-RL	UL-RL	0.12	20.3	344	257.642	0.018	0	377.756	
Stage3	-16.25	402.584	121.679	UL-RL	UL-RL	0.12	20.3	344	261.716	0.018	0	383.395	
Stage3	-16.65	408.911	123.246	UL-RL	UL-RL	0.12	20.3	344	265.789	0.018	0	389.035	
Stage3	-17.05	415.238	124.814	UL-RL	UL-RL	0.12	20.3	344	269.862	0.018	0	394.676	
Stage3	-17.3	419.192	125.794	UL-RL	UL-RL	0.12	20.3	344	272.408	0.018	0	398.202	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage3

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.15	2.945	58.442	UL-RL	0.361	3.222	14	3.055	0.018	0	61.497
Stage3	8.75	7.172	243.728	V-C	0.12	20.3	344	7.128	0.018	0	250.856
Stage3	8.35	13.498	90.639	V-C	0.12	20.3	344	11.202	0.018	0	101.841
Stage3	7.95	19.825	24.826	UL-RL	0.12	20.3	344	15.275	0.018	0	40.101
Stage3	7.55	26.151	11.984	UL-RL	0.12	20.3	344	19.349	0.018	0	31.332
Stage3	7.15	32.478	18.894	UL-RL	0.12	20.3	344	23.422	0.018	0	42.316
Stage3	6.75	38.805	27.67	UL-RL	0.12	20.3	344	27.495	0.018	0	55.165
Stage3	6.35	45.131	33.206	UL-RL	0.12	20.3	344	31.569	0.018	0	64.775
Stage3	5.95	51.458	35.984	UL-RL	0.12	20.3	344	35.642	0.018	0	71.626
Stage3	5.55	57.784	37.528	UL-RL	0.12	20.3	344	39.716	0.018	0	77.244
Stage3	5.15	64.111	38.818	UL-RL	0.12	20.3	344	43.789	0.018	0	82.607
Stage3	4.75	70.438	40.206	UL-RL	0.12	20.3	344	47.862	0.018	0	88.068
Stage3	4.35	76.764	41.717	UL-RL	0.12	20.3	344	51.936	0.018	0	93.652
Stage3	3.95	83.091	43.289	UL-RL	0.12	20.3	344	56.009	0.018	0	99.298
Stage3	3.55	89.417	44.873	UL-RL	0.12	20.3	344	60.083	0.018	0	104.956
Stage3	3.15	95.744	46.449	UL-RL	0.12	20.3	344	64.156	0.018	0	110.605
Stage3	2.75	102.071	48.014	UL-RL	0.12	20.3	344	68.229	0.018	0	116.243
Stage3	2.35	108.397	49.571	UL-RL	0.12	20.3	344	72.303	0.018	0	121.874
Stage3	1.95	114.724	51.124	UL-RL	0.12	20.3	344	76.376	0.018	0	127.5
Stage3	1.55	121.05	52.674	UL-RL	0.12	20.3	344	80.45	0.018	0	133.123
Stage3	1.15	127.377	54.222	UL-RL	0.12	20.3	344	84.523	0.018	0	138.745
Stage3	0.75	133.704	55.769	UL-RL	0.12	20.3	344	88.596	0.018	0	144.365
Stage3	0.35	140.03	57.314	UL-RL	0.12	20.3	344	92.67	0.018	0	149.984
Stage3	-0.05	146.357	58.858	UL-RL	0.12	20.3	344	96.743	0.018	0	155.601
Stage3	-0.45	152.684	60.401	UL-RL	0.12	20.3	344	100.816	0.018	0	161.218
Stage3	-0.85	159.01	61.944	UL-RL	0.12	20.3	344	104.89	0.018	0	166.834
Stage3	-1.25	165.337	63.486	UL-RL	0.12	20.3	344	108.963	0.018	0	172.45
Stage3	-1.45	168.5	64.257	UL-RL	0.12	20.3	344	111	0.018	0	175.257
Stage3	-1.85	174.827	65.799	UL-RL	0.12	20.3	344	115.073	0.018	0	180.873
Stage3	-2.25	181.153	67.341	UL-RL	0.12	20.3	344	119.147	0.018	0	186.488
Stage3	-2.65	187.48	68.883	UL-RL	0.12	20.3	344	123.22	0.018	0	192.103
Stage3	-3.05	193.806	70.425	UL-RL	0.12	20.3	344	127.294	0.018	0	197.719
Stage3	-3.45	200.133	71.967	UL-RL	0.12	20.3	344	131.367	0.018	0	203.334
Stage3	-3.85	206.46	73.51	UL-RL	0.12	20.3	344	135.44	0.018	0	208.95
Stage3	-4.25	212.786	75.053	UL-RL	0.12	20.3	344	139.514	0.018	0	214.567

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-4.65	219.113	76.597	UL-RL	0.12	20.3	344	143.587	0.018	0	220.184
Stage3	-5.05	225.44	78.141	UL-RL	0.12	20.3	344	147.661	0.018	0	225.801
Stage3	-5.45	231.766	79.685	UL-RL	0.12	20.3	344	151.734	0.018	0	231.419
Stage3	-5.85	238.093	81.23	UL-RL	0.12	20.3	344	155.807	0.018	0	237.038
Stage3	-6.25	244.419	82.776	UL-RL	0.12	20.3	344	159.881	0.018	0	242.657
Stage3	-6.65	250.746	84.323	UL-RL	0.12	20.3	344	163.954	0.018	0	248.277
Stage3	-7.05	257.072	85.87	UL-RL	0.12	20.3	344	168.028	0.018	0	253.898
Stage3	-7.45	263.399	87.418	UL-RL	0.12	20.3	344	172.101	0.018	0	259.519
Stage3	-7.85	269.726	88.967	UL-RL	0.12	20.3	344	176.174	0.018	0	265.141
Stage3	-8.25	276.052	90.516	UL-RL	0.12	20.3	344	180.248	0.018	0	270.764
Stage3	-8.65	282.379	92.067	UL-RL	0.12	20.3	344	184.321	0.018	0	276.388
Stage3	-9.05	288.706	93.618	UL-RL	0.12	20.3	344	188.394	0.018	0	282.012
Stage3	-9.45	295.032	95.17	UL-RL	0.12	20.3	344	192.468	0.018	0	287.638
Stage3	-9.85	301.359	96.722	UL-RL	0.12	20.3	344	196.541	0.018	0	293.264
Stage3	-10.25	307.685	98.276	UL-RL	0.12	20.3	344	200.615	0.018	0	298.891
Stage3	-10.65	314.012	99.83	UL-RL	0.12	20.3	344	204.688	0.018	0	304.518
Stage3	-11.05	320.338	101.386	UL-RL	0.12	20.3	344	208.762	0.018	0	310.147
Stage3	-11.45	326.665	102.942	UL-RL	0.12	20.3	344	212.835	0.018	0	315.777
Stage3	-11.85	332.992	104.499	UL-RL	0.12	20.3	344	216.908	0.018	0	321.407
Stage3	-12.25	339.318	106.056	UL-RL	0.12	20.3	344	220.982	0.018	0	327.038
Stage3	-12.65	345.645	107.615	UL-RL	0.12	20.3	344	225.055	0.018	0	332.67
Stage3	-13.05	351.972	109.175	UL-RL	0.12	20.3	344	229.128	0.018	0	338.303
Stage3	-13.45	358.298	110.735	UL-RL	0.12	20.3	344	233.202	0.018	0	343.937
Stage3	-13.85	364.625	112.296	UL-RL	0.12	20.3	344	237.275	0.018	0	349.571
Stage3	-14.25	370.951	113.858	UL-RL	0.12	20.3	344	241.349	0.018	0	355.206
Stage3	-14.65	377.278	115.42	UL-RL	0.12	20.3	344	245.422	0.018	0	360.842
Stage3	-15.05	383.604	116.984	UL-RL	0.12	20.3	344	249.495	0.018	0	366.479
Stage3	-15.45	389.931	118.548	UL-RL	0.12	20.3	344	253.569	0.018	0	372.117
Stage3	-15.85	396.258	120.114	UL-RL	0.12	20.3	344	257.642	0.018	0	377.756
Stage3	-16.25	402.584	121.679	UL-RL	0.12	20.3	344	261.716	0.018	0	383.395
Stage3	-16.65	408.911	123.246	UL-RL	0.12	20.3	344	265.789	0.018	0	389.035
Stage3	-17.05	415.238	124.814	UL-RL	0.12	20.3	344	269.862	0.018	0	394.676
Stage3	-17.3	419.192	125.794	UL-RL	0.12	20.3	344	272.408	0.018	0	398.202

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	15.7	0	10.986	V-C	0.3613.222	14	0	0	0	10.986
Stage3	15.35	16.25	4.401	UL-RL	0.3613.222	14	0	0	0	4.401
Stage3	14.95	27.419	0	ACTIVE	0.3613.222	14	0	0	0	0
Stage3	14.55	36.919	0	ACTIVE	0.3613.222	14	0	0	0	0
Stage3	14.15	45.605	0	ACTIVE	0.3613.222	14	0	0	0	0
Stage3	13.75	54.185	2.738	ACTIVE	0.3613.222	14	0	0	0	2.738
Stage3	13.35	62.878	5.876	ACTIVE	0.3613.222	14	0	0	0	5.876
Stage3	12.95	71.384	8.946	ACTIVE	0.3613.222	14	0	0	0	8.946
Stage3	12.55	79.768	11.973	ACTIVE	0.3613.222	14	0	0	0	11.973
Stage3	12.15	86.949	14.565	ACTIVE	0.3613.222	14	0	0	0	14.565
Stage3	11.75	94.503	17.292	ACTIVE	0.3613.222	14	0	0	0	17.292
Stage3	11.35	102.304	20.108	ACTIVE	0.3613.222	14	0	0	0	20.108
Stage3	10.95	110.135	22.935	ACTIVE	0.3613.222	14	0	0	0	22.935
Stage3	10.55	117.989	25.771	ACTIVE	0.3613.222	14	0	0	0	25.771
Stage3	10.15	122.918	27.55	ACTIVE	0.3613.222	14	2.945	0.018	0	30.495
Stage3	9.95	125.207	28.377	ACTIVE	0.3613.222	14	4.908	0.018	0	33.285
Stage3	9.55	129.158	29.803	ACTIVE	0.3613.222	14	8.835	0.018	0	38.638
Stage3	9.15	133.122	48.969	UL-RL	0.3613.222	14	12.761	0.018	0	61.731
Stage3	8.75	137.399	0	ACTIVE	0.12 20.3	344	16.688	0.018	0	16.688
Stage3	8.35	143.785	0	ACTIVE	0.12 20.3	344	20.615	0.018	0	20.615
Stage3	7.95	150.179	23.439	UL-RL	0.12 20.3	344	24.541	0.018	0	47.98
Stage3	7.55	156.581	75.371	UL-RL	0.12 20.3	344	28.468	0.018	0	103.839
Stage3	7.15	162.989	59.886	V-C	0.12 20.3	344	32.394	0.018	0	92.28
Stage3	6.75	169.403	37.811	UL-RL	0.12 20.3	344	36.321	0.018	0	74.132
Stage3	6.35	175.821	26.552	UL-RL	0.12 20.3	344	40.248	0.018	0	66.8
Stage3	5.95	182.244	24.522	UL-RL	0.12 20.3	344	44.174	0.018	0	68.697
Stage3	5.55	189.028	26.583	UL-RL	0.12 20.3	344	48.101	0.018	0	74.683
Stage3	5.15	195.445	29.427	UL-RL	0.12 20.3	344	52.028	0.018	0	81.455
Stage3	4.75	201.866	31.882	UL-RL	0.12 20.3	344	55.954	0.018	0	87.836
Stage3	4.35	208.29	33.872	UL-RL	0.12 20.3	344	59.881	0.018	0	93.753
Stage3	3.95	214.718	35.616	UL-RL	0.12 20.3	344	63.807	0.018	0	99.424
Stage3	3.55	221.149	37.288	UL-RL	0.12 20.3	344	67.734	0.018	0	105.022
Stage3	3.15	227.582	38.963	UL-RL	0.12 20.3	344	71.661	0.018	0	110.624
Stage3	2.75	234.017	40.654	UL-RL	0.12 20.3	344	75.587	0.018	0	116.241
Stage3	2.35	240.455	42.354	UL-RL	0.12 20.3	344	79.514	0.018	0	121.868
Stage3	1.95	246.895	44.056	UL-RL	0.12 20.3	344	83.44	0.018	0	127.496
Stage3	1.55	253.336	45.755	UL-RL	0.12 20.3	344	87.367	0.018	0	133.122
Stage3	1.15	259.78	47.451	UL-RL	0.12 20.3	344	91.294	0.018	0	138.745
Stage3	0.75	266.468	49.145	UL-RL	0.12 20.3	344	95.22	0.018	0	144.365
Stage3	0.35	272.909	50.837	UL-RL	0.12 20.3	344	99.147	0.018	0	149.984
Stage3	-0.05	279.35	52.528	UL-RL	0.12 20.3	344	103.073	0.018	0	155.601
Stage3	-0.45	285.794	54.218	UL-RL	0.12 20.3	344	107	0.018	0	161.218
Stage3	-0.85	292.239	55.907	UL-RL	0.12 20.3	344	110.927	0.018	0	166.834
Stage3	-1.25	298.685	57.596	UL-RL	0.12 20.3	344	114.853	0.018	0	172.45
Stage3	-1.45	302.014	58.441	UL-RL	0.12 20.3	344	116.816	0.018	0	175.257
Stage3	-1.85	308.46	60.13	UL-RL	0.12 20.3	344	120.743	0.018	0	180.873
Stage3	-2.25	314.907	61.818	UL-RL	0.12 20.3	344	124.67	0.018	0	186.488
Stage3	-2.65	321.354	63.507	UL-RL	0.12 20.3	344	128.596	0.018	0	192.103
Stage3	-3.05	327.803	65.196	UL-RL	0.12 20.3	344	132.523	0.018	0	197.719
Stage3	-3.45	334.253	66.885	UL-RL	0.12 20.3	344	136.45	0.018	0	203.334
Stage3	-3.85	340.704	68.574	UL-RL	0.12 20.3	344	140.376	0.018	0	208.95
Stage3	-4.25	347.156	70.264	UL-RL	0.12 20.3	344	144.303	0.018	0	214.567
Stage3	-4.65	353.608	71.954	UL-RL	0.12 20.3	344	148.229	0.018	0	220.184
Stage3	-5.05	360.062	73.645	UL-RL	0.12 20.3	344	152.156	0.018	0	225.801
Stage3	-5.45	366.516	75.337	UL-RL	0.12 20.3	344	156.083	0.018	0	231.419

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	UL-RL	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	-5.85	372.971	77.029	UL-RL	0.12	20.3	344	160.009	0.018	0	237.038
Stage3	-6.25	379.593	78.721	UL-RL	0.12	20.3	344	163.936	0.018	0	242.657
Stage3	-6.65	386.046	80.415	UL-RL	0.12	20.3	344	167.862	0.018	0	248.277
Stage3	-7.05	392.5	82.109	UL-RL	0.12	20.3	344	171.789	0.018	0	253.898
Stage3	-7.45	398.954	83.803	UL-RL	0.12	20.3	344	175.716	0.018	0	259.519
Stage3	-7.85	405.41	85.499	UL-RL	0.12	20.3	344	179.642	0.018	0	265.141
Stage3	-8.25	411.866	87.195	UL-RL	0.12	20.3	344	183.569	0.018	0	270.764
Stage3	-8.65	418.322	88.892	UL-RL	0.12	20.3	344	187.495	0.018	0	276.388
Stage3	-9.05	424.779	90.59	UL-RL	0.12	20.3	344	191.422	0.018	0	282.012
Stage3	-9.45	431.236	92.289	UL-RL	0.12	20.3	344	195.349	0.018	0	287.638
Stage3	-9.85	437.694	93.988	UL-RL	0.12	20.3	344	199.275	0.018	0	293.264
Stage3	-10.25	444.152	95.689	UL-RL	0.12	20.3	344	203.202	0.018	0	298.891
Stage3	-10.65	450.611	97.39	UL-RL	0.12	20.3	344	207.128	0.018	0	304.518
Stage3	-11.05	457.207	99.092	UL-RL	0.12	20.3	344	211.055	0.018	0	310.147
Stage3	-11.45	463.665	100.795	UL-RL	0.12	20.3	344	214.982	0.018	0	315.777
Stage3	-11.85	470.123	102.499	UL-RL	0.12	20.3	344	218.908	0.018	0	321.407
Stage3	-12.25	476.582	104.203	UL-RL	0.12	20.3	344	222.835	0.018	0	327.038
Stage3	-12.65	483.041	105.909	UL-RL	0.12	20.3	344	226.762	0.018	0	332.67
Stage3	-13.05	489.5	107.615	UL-RL	0.12	20.3	344	230.688	0.018	0	338.303
Stage3	-13.45	495.96	109.322	UL-RL	0.12	20.3	344	234.615	0.018	0	343.937
Stage3	-13.85	502.42	111.03	UL-RL	0.12	20.3	344	238.541	0.018	0	349.571
Stage3	-14.25	508.88	112.739	UL-RL	0.12	20.3	344	242.468	0.018	0	355.206
Stage3	-14.65	515.341	114.448	UL-RL	0.12	20.3	344	246.394	0.018	0	360.842
Stage3	-15.05	521.802	116.158	UL-RL	0.12	20.3	344	250.321	0.018	0	366.479
Stage3	-15.45	528.381	117.87	UL-RL	0.12	20.3	344	254.248	0.018	0	372.117
Stage3	-15.85	534.841	119.581	UL-RL	0.12	20.3	344	258.174	0.018	0	377.756
Stage3	-16.25	541.302	121.294	UL-RL	0.12	20.3	344	262.101	0.018	0	383.395
Stage3	-16.65	547.763	123.008	UL-RL	0.12	20.3	344	266.027	0.018	0	389.035
Stage3	-17.05	554.224	124.722	UL-RL	0.12	20.3	344	269.954	0.018	0	394.676
Stage3	-17.3	558.304	125.794	UL-RL	0.12	20.3	344	272.408	0.018	0	398.202

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage4

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage4	15.7	0	10.986	V-C	0.361	3.222	14	0	0	10.986
Stage4	15.35	16.25	4.401	UL-RL	0.361	3.222	14	0	0	4.401
Stage4	14.95	27.419	0	UL-RL	0.361	3.222	14	0	0	0
Stage4	14.55	36.919	0	UL-RL	0.361	3.222	14	0	0	0
Stage4	14.15	45.605	0	UL-RL	0.361	3.222	14	0	0	0
Stage4	13.75	54.185	2.738	UL-RL	0.361	3.222	14	0	0	2.738
Stage4	13.35	62.878	5.876	UL-RL	0.361	3.222	14	0	0	5.876
Stage4	12.95	71.384	8.946	UL-RL	0.361	3.222	14	0	0	8.946
Stage4	12.55	79.768	11.973	UL-RL	0.361	3.222	14	0	0	11.973
Stage4	12.15	86.949	14.565	UL-RL	0.361	3.222	14	0	0	14.565
Stage4	11.75	94.503	17.292	UL-RL	0.361	3.222	14	0	0	17.292
Stage4	11.35	102.304	20.108	UL-RL	0.361	3.222	14	0	0	20.108
Stage4	10.95	110.135	22.935	UL-RL	0.361	3.222	14	0	0	22.935
Stage4	10.55	117.989	25.771	UL-RL	0.361	3.222	14	0	0	25.771
Stage4	10.15	122.918	27.55	UL-RL	0.361	3.222	14	2.945	0.018	30.495
Stage4	9.95	125.207	28.377	ACTIVE	0.361	3.222	14	4.908	0.018	33.285
Stage4	9.55	129.158	29.803	UL-RL	0.361	3.222	14	8.835	0.018	38.638
Stage4	9.15	133.122	48.969	UL-RL	0.361	3.222	14	12.761	0.018	61.731
Stage4	8.75	137.399	0	UL-RL	0.12	20.3	344	16.688	0.018	16.688
Stage4	8.35	143.785	0	ACTIVE	0.12	20.3	344	20.615	0.018	20.615
Stage4	7.95	150.179	23.439	UL-RL	0.12	20.3	344	24.541	0.018	47.98
Stage4	7.55	156.581	75.371	UL-RL	0.12	20.3	344	28.468	0.018	103.839
Stage4	7.15	162.989	59.886	V-C	0.12	20.3	344	32.394	0.018	92.28
Stage4	6.75	169.403	37.811	UL-RL	0.12	20.3	344	36.321	0.018	74.132
Stage4	6.35	175.821	26.552	UL-RL	0.12	20.3	344	40.248	0.018	66.8
Stage4	5.95	182.244	24.522	UL-RL	0.12	20.3	344	44.174	0.018	68.697
Stage4	5.55	189.028	26.583	UL-RL	0.12	20.3	344	48.101	0.018	74.683
Stage4	5.15	195.445	29.427	UL-RL	0.12	20.3	344	52.028	0.018	81.455
Stage4	4.75	201.866	31.882	UL-RL	0.12	20.3	344	55.954	0.018	87.836
Stage4	4.35	208.29	33.872	UL-RL	0.12	20.3	344	59.881	0.018	93.753
Stage4	3.95	214.718	35.616	UL-RL	0.12	20.3	344	63.807	0.018	99.424
Stage4	3.55	221.149	37.288	UL-RL	0.12	20.3	344	67.734	0.018	105.022
Stage4	3.15	227.582	38.963	UL-RL	0.12	20.3	344	71.661	0.018	110.624
Stage4	2.75	234.017	40.654	UL-RL	0.12	20.3	344	75.587	0.018	116.241
Stage4	2.35	240.455	42.354	UL-RL	0.12	20.3	344	79.514	0.018	121.868
Stage4	1.95	246.895	44.056	UL-RL	0.12	20.3	344	83.44	0.018	127.496
Stage4	1.55	253.336	45.755	UL-RL	0.12	20.3	344	87.367	0.018	133.122
Stage4	1.15	259.78	47.451	UL-RL	0.12	20.3	344	91.294	0.018	138.745
Stage4	0.75	266.468	49.145	UL-RL	0.12	20.3	344	95.22	0.018	144.365
Stage4	0.35	272.909	50.837	UL-RL	0.12	20.3	344	99.147	0.018	149.984
Stage4	-0.05	279.35	52.528	UL-RL	0.12	20.3	344	103.073	0.018	155.601
Stage4	-0.45	285.794	54.218	UL-RL	0.12	20.3	344	107	0.018	161.218
Stage4	-0.85	292.239	55.907	UL-RL	0.12	20.3	344	110.927	0.018	166.834
Stage4	-1.25	298.685	57.596	UL-RL	0.12	20.3	344	114.853	0.018	172.45
Stage4	-1.45	302.014	58.441	UL-RL	0.12	20.3	344	116.816	0.018	175.257
Stage4	-1.85	308.46	60.13	UL-RL	0.12	20.3	344	120.743	0.018	180.873
Stage4	-2.25	314.907	61.818	UL-RL	0.12	20.3	344	124.67	0.018	186.488
Stage4	-2.65	321.354	63.507	UL-RL	0.12	20.3	344	128.596	0.018	192.103
Stage4	-3.05	327.803	65.196	UL-RL	0.12	20.3	344	132.523	0.018	197.719
Stage4	-3.45	334.253	66.885	UL-RL	0.12	20.3	344	136.45	0.018	203.334
Stage4	-3.85	340.704	68.574	UL-RL	0.12	20.3	344	140.376	0.018	208.95
Stage4	-4.25	347.156	70.264	UL-RL	0.12	20.3	344	144.303	0.018	214.567

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-4.65	353.608	71.954	UL-RL	0.12	20.3	344	148.229	0.018	0	220.184
Stage4	-5.05	360.062	73.645	UL-RL	0.12	20.3	344	152.156	0.018	0	225.801
Stage4	-5.45	366.516	75.337	UL-RL	0.12	20.3	344	156.083	0.018	0	231.419
Stage4	-5.85	372.971	77.029	UL-RL	0.12	20.3	344	160.009	0.018	0	237.038
Stage4	-6.25	379.593	78.721	UL-RL	0.12	20.3	344	163.936	0.018	0	242.657
Stage4	-6.65	386.046	80.415	UL-RL	0.12	20.3	344	167.862	0.018	0	248.277
Stage4	-7.05	392.5	82.109	UL-RL	0.12	20.3	344	171.789	0.018	0	253.898
Stage4	-7.45	398.954	83.803	UL-RL	0.12	20.3	344	175.716	0.018	0	259.519
Stage4	-7.85	405.41	85.499	UL-RL	0.12	20.3	344	179.642	0.018	0	265.141
Stage4	-8.25	411.866	87.195	UL-RL	0.12	20.3	344	183.569	0.018	0	270.764
Stage4	-8.65	418.322	88.892	UL-RL	0.12	20.3	344	187.495	0.018	0	276.388
Stage4	-9.05	424.779	90.59	UL-RL	0.12	20.3	344	191.422	0.018	0	282.012
Stage4	-9.45	431.236	92.289	UL-RL	0.12	20.3	344	195.349	0.018	0	287.638
Stage4	-9.85	437.694	93.988	UL-RL	0.12	20.3	344	199.275	0.018	0	293.264
Stage4	-10.25	444.152	95.689	UL-RL	0.12	20.3	344	203.202	0.018	0	298.891
Stage4	-10.65	450.611	97.39	UL-RL	0.12	20.3	344	207.128	0.018	0	304.518
Stage4	-11.05	457.207	99.092	UL-RL	0.12	20.3	344	211.055	0.018	0	310.147
Stage4	-11.45	463.665	100.795	UL-RL	0.12	20.3	344	214.982	0.018	0	315.777
Stage4	-11.85	470.123	102.499	UL-RL	0.12	20.3	344	218.908	0.018	0	321.407
Stage4	-12.25	476.582	104.203	UL-RL	0.12	20.3	344	222.835	0.018	0	327.038
Stage4	-12.65	483.041	105.909	UL-RL	0.12	20.3	344	226.762	0.018	0	332.67
Stage4	-13.05	489.5	107.615	UL-RL	0.12	20.3	344	230.688	0.018	0	338.303
Stage4	-13.45	495.96	109.322	UL-RL	0.12	20.3	344	234.615	0.018	0	343.937
Stage4	-13.85	502.42	111.03	UL-RL	0.12	20.3	344	238.541	0.018	0	349.571
Stage4	-14.25	508.88	112.739	UL-RL	0.12	20.3	344	242.468	0.018	0	355.206
Stage4	-14.65	515.341	114.448	UL-RL	0.12	20.3	344	246.394	0.018	0	360.842
Stage4	-15.05	521.802	116.158	UL-RL	0.12	20.3	344	250.321	0.018	0	366.479
Stage4	-15.45	528.381	117.87	UL-RL	0.12	20.3	344	254.248	0.018	0	372.117
Stage4	-15.85	534.841	119.581	UL-RL	0.12	20.3	344	258.174	0.018	0	377.756
Stage4	-16.25	541.302	121.294	UL-RL	0.12	20.3	344	262.101	0.018	0	383.395
Stage4	-16.65	547.763	123.008	UL-RL	0.12	20.3	344	266.027	0.018	0	389.035
Stage4	-17.05	554.224	124.722	UL-RL	0.12	20.3	344	269.954	0.018	0	394.676
Stage4	-17.3	558.304	125.794	UL-RL	0.12	20.3	344	272.408	0.018	0	398.202

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.15	2.945	58.442	UL-RL	0.361	3.222	14	3.055	0.018	0	61.497
Stage4	8.75	7.172	243.728	UL-RL	0.12	20.3	344	7.128	0.018	0	250.856
Stage4	8.35	13.498	90.639	V-C	0.12	20.3	344	11.202	0.018	0	101.841
Stage4	7.95	19.825	24.826	UL-RL	0.12	20.3	344	15.275	0.018	0	40.101
Stage4	7.55	26.151	11.984	UL-RL	0.12	20.3	344	19.349	0.018	0	31.332
Stage4	7.15	32.478	18.894	UL-RL	0.12	20.3	344	23.422	0.018	0	42.316
Stage4	6.75	38.805	27.67	UL-RL	0.12	20.3	344	27.495	0.018	0	55.165
Stage4	6.35	45.131	33.206	UL-RL	0.12	20.3	344	31.569	0.018	0	64.775
Stage4	5.95	51.458	35.984	UL-RL	0.12	20.3	344	35.642	0.018	0	71.626
Stage4	5.55	57.784	37.528	UL-RL	0.12	20.3	344	39.716	0.018	0	77.244
Stage4	5.15	64.111	38.818	UL-RL	0.12	20.3	344	43.789	0.018	0	82.607
Stage4	4.75	70.438	40.206	UL-RL	0.12	20.3	344	47.862	0.018	0	88.068
Stage4	4.35	76.764	41.717	UL-RL	0.12	20.3	344	51.936	0.018	0	93.652
Stage4	3.95	83.091	43.289	UL-RL	0.12	20.3	344	56.009	0.018	0	99.298
Stage4	3.55	89.417	44.873	UL-RL	0.12	20.3	344	60.083	0.018	0	104.956
Stage4	3.15	95.744	46.449	UL-RL	0.12	20.3	344	64.156	0.018	0	110.605
Stage4	2.75	102.071	48.014	UL-RL	0.12	20.3	344	68.229	0.018	0	116.243
Stage4	2.35	108.397	49.571	UL-RL	0.12	20.3	344	72.303	0.018	0	121.874
Stage4	1.95	114.724	51.124	UL-RL	0.12	20.3	344	76.376	0.018	0	127.5
Stage4	1.55	121.05	52.674	UL-RL	0.12	20.3	344	80.45	0.018	0	133.123
Stage4	1.15	127.377	54.222	UL-RL	0.12	20.3	344	84.523	0.018	0	138.745
Stage4	0.75	133.704	55.769	UL-RL	0.12	20.3	344	88.596	0.018	0	144.365
Stage4	0.35	140.03	57.314	UL-RL	0.12	20.3	344	92.67	0.018	0	149.984
Stage4	-0.05	146.357	58.858	UL-RL	0.12	20.3	344	96.743	0.018	0	155.601
Stage4	-0.45	152.684	60.401	UL-RL	0.12	20.3	344	100.816	0.018	0	161.218
Stage4	-0.85	159.01	61.944	UL-RL	0.12	20.3	344	104.89	0.018	0	166.834
Stage4	-1.25	165.337	63.486	UL-RL	0.12	20.3	344	108.963	0.018	0	172.45
Stage4	-1.45	168.5	64.257	UL-RL	0.12	20.3	344	111	0.018	0	175.257
Stage4	-1.85	174.827	65.799	UL-RL	0.12	20.3	344	115.073	0.018	0	180.873
Stage4	-2.25	181.153	67.341	UL-RL	0.12	20.3	344	119.147	0.018	0	186.488
Stage4	-2.65	187.48	68.883	UL-RL	0.12	20.3	344	123.22	0.018	0	192.103
Stage4	-3.05	193.806	70.425	UL-RL	0.12	20.3	344	127.294	0.018	0	197.719
Stage4	-3.45	200.133	71.967	UL-RL	0.12	20.3	344	131.367	0.018	0	203.334
Stage4	-3.85	206.46	73.51	UL-RL	0.12	20.3	344	135.44	0.018	0	208.95
Stage4	-4.25	212.786	75.053	UL-RL	0.12	20.3	344	139.514	0.018	0	214.567
Stage4	-4.65	219.113	76.597	UL-RL	0.12	20.3	344	143.587	0.018	0	220.184
Stage4	-5.05	225.44	78.141	UL-RL	0.12	20.3	344	147.661	0.018	0	225.801
Stage4	-5.45	231.766	79.685	UL-RL	0.12	20.3	344	151.734	0.018	0	231.419

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	RIGHT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage4	-5.85	238.093	81.23	UL-RL	UL-RL	0.12	20.3	344	155.807	0.018	0	237.038	
Stage4	-6.25	244.419	82.776	UL-RL	UL-RL	0.12	20.3	344	159.881	0.018	0	242.657	
Stage4	-6.65	250.746	84.323	UL-RL	UL-RL	0.12	20.3	344	163.954	0.018	0	248.277	
Stage4	-7.05	257.072	85.87	UL-RL	UL-RL	0.12	20.3	344	168.028	0.018	0	253.898	
Stage4	-7.45	263.399	87.418	UL-RL	UL-RL	0.12	20.3	344	172.101	0.018	0	259.519	
Stage4	-7.85	269.726	88.967	UL-RL	UL-RL	0.12	20.3	344	176.174	0.018	0	265.141	
Stage4	-8.25	276.052	90.516	UL-RL	UL-RL	0.12	20.3	344	180.248	0.018	0	270.764	
Stage4	-8.65	282.379	92.067	UL-RL	UL-RL	0.12	20.3	344	184.321	0.018	0	276.388	
Stage4	-9.05	288.706	93.618	UL-RL	UL-RL	0.12	20.3	344	188.394	0.018	0	282.012	
Stage4	-9.45	295.032	95.17	UL-RL	UL-RL	0.12	20.3	344	192.468	0.018	0	287.638	
Stage4	-9.85	301.359	96.722	UL-RL	UL-RL	0.12	20.3	344	196.541	0.018	0	293.264	
Stage4	-10.25	307.685	98.276	UL-RL	UL-RL	0.12	20.3	344	200.615	0.018	0	298.891	
Stage4	-10.65	314.012	99.83	UL-RL	UL-RL	0.12	20.3	344	204.688	0.018	0	304.518	
Stage4	-11.05	320.338	101.386	UL-RL	UL-RL	0.12	20.3	344	208.762	0.018	0	310.147	
Stage4	-11.45	326.665	102.942	UL-RL	UL-RL	0.12	20.3	344	212.835	0.018	0	315.777	
Stage4	-11.85	332.992	104.499	UL-RL	UL-RL	0.12	20.3	344	216.908	0.018	0	321.407	
Stage4	-12.25	339.318	106.056	UL-RL	UL-RL	0.12	20.3	344	220.982	0.018	0	327.038	
Stage4	-12.65	345.645	107.615	UL-RL	UL-RL	0.12	20.3	344	225.055	0.018	0	332.67	
Stage4	-13.05	351.972	109.175	UL-RL	UL-RL	0.12	20.3	344	229.128	0.018	0	338.303	
Stage4	-13.45	358.298	110.735	UL-RL	UL-RL	0.12	20.3	344	233.202	0.018	0	343.937	
Stage4	-13.85	364.625	112.296	UL-RL	UL-RL	0.12	20.3	344	237.275	0.018	0	349.571	
Stage4	-14.25	370.951	113.858	UL-RL	UL-RL	0.12	20.3	344	241.349	0.018	0	355.206	
Stage4	-14.65	377.278	115.42	UL-RL	UL-RL	0.12	20.3	344	245.422	0.018	0	360.842	
Stage4	-15.05	383.604	116.984	UL-RL	UL-RL	0.12	20.3	344	249.495	0.018	0	366.479	
Stage4	-15.45	389.931	118.548	UL-RL	UL-RL	0.12	20.3	344	253.569	0.018	0	372.117	
Stage4	-15.85	396.258	120.114	UL-RL	UL-RL	0.12	20.3	344	257.642	0.018	0	377.756	
Stage4	-16.25	402.584	121.679	UL-RL	UL-RL	0.12	20.3	344	261.716	0.018	0	383.395	
Stage4	-16.65	408.911	123.246	UL-RL	UL-RL	0.12	20.3	344	265.789	0.018	0	389.035	
Stage4	-17.05	415.238	124.814	UL-RL	UL-RL	0.12	20.3	344	269.862	0.018	0	394.676	
Stage4	-17.3	419.192	125.794	UL-RL	UL-RL	0.12	20.3	344	272.408	0.018	0	398.202	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage4

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.15	2.945	58.442	UL-RL	0.361	3.222	14	3.055	0.018	0	61.497
Stage4	8.75	7.172	243.728	UL-RL	0.12	20.3	344	7.128	0.018	0	250.856
Stage4	8.35	13.498	90.639	UL-RL	0.12	20.3	344	11.202	0.018	0	101.841
Stage4	7.95	19.825	24.826	UL-RL	0.12	20.3	344	15.275	0.018	0	40.101
Stage4	7.55	26.151	11.984	UL-RL	0.12	20.3	344	19.349	0.018	0	31.332
Stage4	7.15	32.478	18.894	UL-RL	0.12	20.3	344	23.422	0.018	0	42.316
Stage4	6.75	38.805	27.67	UL-RL	0.12	20.3	344	27.495	0.018	0	55.165
Stage4	6.35	45.131	33.206	UL-RL	0.12	20.3	344	31.569	0.018	0	64.775
Stage4	5.95	51.458	35.984	UL-RL	0.12	20.3	344	35.642	0.018	0	71.626
Stage4	5.55	57.784	37.528	UL-RL	0.12	20.3	344	39.716	0.018	0	77.244
Stage4	5.15	64.111	38.818	UL-RL	0.12	20.3	344	43.789	0.018	0	82.607
Stage4	4.75	70.438	40.206	UL-RL	0.12	20.3	344	47.862	0.018	0	88.068
Stage4	4.35	76.764	41.717	UL-RL	0.12	20.3	344	51.936	0.018	0	93.652
Stage4	3.95	83.091	43.289	UL-RL	0.12	20.3	344	56.009	0.018	0	99.298
Stage4	3.55	89.417	44.873	UL-RL	0.12	20.3	344	60.083	0.018	0	104.956
Stage4	3.15	95.744	46.449	UL-RL	0.12	20.3	344	64.156	0.018	0	110.605
Stage4	2.75	102.071	48.014	UL-RL	0.12	20.3	344	68.229	0.018	0	116.243
Stage4	2.35	108.397	49.571	UL-RL	0.12	20.3	344	72.303	0.018	0	121.874
Stage4	1.95	114.724	51.124	UL-RL	0.12	20.3	344	76.376	0.018	0	127.5
Stage4	1.55	121.05	52.674	UL-RL	0.12	20.3	344	80.45	0.018	0	133.123
Stage4	1.15	127.377	54.222	UL-RL	0.12	20.3	344	84.523	0.018	0	138.745
Stage4	0.75	133.704	55.769	UL-RL	0.12	20.3	344	88.596	0.018	0	144.365
Stage4	0.35	140.03	57.314	UL-RL	0.12	20.3	344	92.67	0.018	0	149.984
Stage4	-0.05	146.357	58.858	UL-RL	0.12	20.3	344	96.743	0.018	0	155.601
Stage4	-0.45	152.684	60.401	UL-RL	0.12	20.3	344	100.816	0.018	0	161.218
Stage4	-0.85	159.01	61.944	UL-RL	0.12	20.3	344	104.89	0.018	0	166.834
Stage4	-1.25	165.337	63.486	UL-RL	0.12	20.3	344	108.963	0.018	0	172.45
Stage4	-1.45	168.5	64.257	UL-RL	0.12	20.3	344	111	0.018	0	175.257
Stage4	-1.85	174.827	65.799	UL-RL	0.12	20.3	344	115.073	0.018	0	180.873
Stage4	-2.25	181.153	67.341	UL-RL	0.12	20.3	344	119.147	0.018	0	186.488
Stage4	-2.65	187.48	68.883	UL-RL	0.12	20.3	344	123.22	0.018	0	192.103
Stage4	-3.05	193.806	70.425	UL-RL	0.12	20.3	344	127.294	0.018	0	197.719
Stage4	-3.45	200.133	71.967	UL-RL	0.12	20.3	344	131.367	0.018	0	203.334
Stage4	-3.85	206.46	73.51	UL-RL	0.12	20.3	344	135.44	0.018	0	208.95
Stage4	-4.25	212.786	75.053	UL-RL	0.12	20.3	344	139.514	0.018	0	214.567

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-4.65	219.113	76.597	UL-RL	0.12	20.3	344	143.587	0.018	0	220.184
Stage4	-5.05	225.44	78.141	UL-RL	0.12	20.3	344	147.661	0.018	0	225.801
Stage4	-5.45	231.766	79.685	UL-RL	0.12	20.3	344	151.734	0.018	0	231.419
Stage4	-5.85	238.093	81.23	UL-RL	0.12	20.3	344	155.807	0.018	0	237.038
Stage4	-6.25	244.419	82.776	UL-RL	0.12	20.3	344	159.881	0.018	0	242.657
Stage4	-6.65	250.746	84.323	UL-RL	0.12	20.3	344	163.954	0.018	0	248.277
Stage4	-7.05	257.072	85.87	UL-RL	0.12	20.3	344	168.028	0.018	0	253.898
Stage4	-7.45	263.399	87.418	UL-RL	0.12	20.3	344	172.101	0.018	0	259.519
Stage4	-7.85	269.726	88.967	UL-RL	0.12	20.3	344	176.174	0.018	0	265.141
Stage4	-8.25	276.052	90.516	UL-RL	0.12	20.3	344	180.248	0.018	0	270.764
Stage4	-8.65	282.379	92.067	UL-RL	0.12	20.3	344	184.321	0.018	0	276.388
Stage4	-9.05	288.706	93.618	UL-RL	0.12	20.3	344	188.394	0.018	0	282.012
Stage4	-9.45	295.032	95.17	UL-RL	0.12	20.3	344	192.468	0.018	0	287.638
Stage4	-9.85	301.359	96.722	UL-RL	0.12	20.3	344	196.541	0.018	0	293.264
Stage4	-10.25	307.685	98.276	UL-RL	0.12	20.3	344	200.615	0.018	0	298.891
Stage4	-10.65	314.012	99.83	UL-RL	0.12	20.3	344	204.688	0.018	0	304.518
Stage4	-11.05	320.338	101.386	UL-RL	0.12	20.3	344	208.762	0.018	0	310.147
Stage4	-11.45	326.665	102.942	UL-RL	0.12	20.3	344	212.835	0.018	0	315.777
Stage4	-11.85	332.992	104.499	UL-RL	0.12	20.3	344	216.908	0.018	0	321.407
Stage4	-12.25	339.318	106.056	UL-RL	0.12	20.3	344	220.982	0.018	0	327.038
Stage4	-12.65	345.645	107.615	UL-RL	0.12	20.3	344	225.055	0.018	0	332.67
Stage4	-13.05	351.972	109.175	UL-RL	0.12	20.3	344	229.128	0.018	0	338.303
Stage4	-13.45	358.298	110.735	UL-RL	0.12	20.3	344	233.202	0.018	0	343.937
Stage4	-13.85	364.625	112.296	UL-RL	0.12	20.3	344	237.275	0.018	0	349.571
Stage4	-14.25	370.951	113.858	UL-RL	0.12	20.3	344	241.349	0.018	0	355.206
Stage4	-14.65	377.278	115.42	UL-RL	0.12	20.3	344	245.422	0.018	0	360.842
Stage4	-15.05	383.604	116.984	UL-RL	0.12	20.3	344	249.495	0.018	0	366.479
Stage4	-15.45	389.931	118.548	UL-RL	0.12	20.3	344	253.569	0.018	0	372.117
Stage4	-15.85	396.258	120.114	UL-RL	0.12	20.3	344	257.642	0.018	0	377.756
Stage4	-16.25	402.584	121.679	UL-RL	0.12	20.3	344	261.716	0.018	0	383.395
Stage4	-16.65	408.911	123.246	UL-RL	0.12	20.3	344	265.789	0.018	0	389.035
Stage4	-17.05	415.238	124.814	UL-RL	0.12	20.3	344	269.862	0.018	0	394.676
Stage4	-17.3	419.192	125.794	UL-RL	0.12	20.3	344	272.408	0.018	0	398.202

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	10.986	UL-RL	0.361	3.222	14	0	0	0	10.986
Stage4	15.35	16.25	4.401	UL-RL	0.361	3.222	14	0	0	0	4.401
Stage4	14.95	27.419	0	UL-RL	0.361	3.222	14	0	0	0	0
Stage4	14.55	36.919	0	UL-RL	0.361	3.222	14	0	0	0	0
Stage4	14.15	45.605	0	UL-RL	0.361	3.222	14	0	0	0	0
Stage4	13.75	54.185	2.738	UL-RL	0.361	3.222	14	0	0	0	2.738
Stage4	13.35	62.878	5.876	UL-RL	0.361	3.222	14	0	0	0	5.876
Stage4	12.95	71.384	8.946	UL-RL	0.361	3.222	14	0	0	0	8.946
Stage4	12.55	79.768	11.973	UL-RL	0.361	3.222	14	0	0	0	11.973
Stage4	12.15	86.949	14.565	UL-RL	0.361	3.222	14	0	0	0	14.565
Stage4	11.75	94.503	17.292	UL-RL	0.361	3.222	14	0	0	0	17.292
Stage4	11.35	102.304	20.108	UL-RL	0.361	3.222	14	0	0	0	20.108
Stage4	10.95	110.135	22.935	UL-RL	0.361	3.222	14	0	0	0	22.935
Stage4	10.55	117.989	25.771	UL-RL	0.361	3.222	14	0	0	0	25.771
Stage4	10.15	122.918	27.55	UL-RL	0.361	3.222	14	2.945	0.018	0	30.495
Stage4	9.95	125.207	28.377	UL-RL	0.361	3.222	14	4.908	0.018	0	33.285
Stage4	9.55	129.158	29.803	UL-RL	0.361	3.222	14	8.835	0.018	0	38.638
Stage4	9.15	133.122	48.969	UL-RL	0.361	3.222	14	12.761	0.018	0	61.731
Stage4	8.75	137.399	0	UL-RL	0.12	20.3	344	16.688	0.018	0	16.688
Stage4	8.35	143.785	0	UL-RL	0.12	20.3	344	20.615	0.018	0	20.615
Stage4	7.95	150.179	23.439	UL-RL	0.12	20.3	344	24.541	0.018	0	47.98
Stage4	7.55	156.581	75.371	UL-RL	0.12	20.3	344	28.468	0.018	0	103.839
Stage4	7.15	162.989	59.886	UL-RL	0.12	20.3	344	32.394	0.018	0	92.28
Stage4	6.75	169.403	37.811	UL-RL	0.12	20.3	344	36.321	0.018	0	74.132
Stage4	6.35	175.821	26.552	UL-RL	0.12	20.3	344	40.248	0.018	0	66.8
Stage4	5.95	182.244	24.522	UL-RL	0.12	20.3	344	44.174	0.018	0	68.697
Stage4	5.55	189.028	26.583	UL-RL	0.12	20.3	344	48.101	0.018	0	74.683
Stage4	5.15	195.445	29.427	UL-RL	0.12	20.3	344	52.028	0.018	0	81.455
Stage4	4.75	201.866	31.882	UL-RL	0.12	20.3	344	55.954	0.018	0	87.836
Stage4	4.35	208.29	33.872	UL-RL	0.12	20.3	344	59.881	0.018	0	93.753
Stage4	3.95	214.718	35.616	UL-RL	0.12	20.3	344	63.807	0.018	0	99.424
Stage4	3.55	221.149	37.288	UL-RL	0.12	20.3	344	67.734	0.018	0	105.022
Stage4	3.15	227.582	38.963	UL-RL	0.12	20.3	344	71.661	0.018	0	110.624
Stage4	2.75	234.017	40.654	UL-RL	0.12	20.3	344	75.587	0.018	0	116.241
Stage4	2.35	240.455	42.354	UL-RL	0.12	20.3	344	79.514	0.018	0	121.868
Stage4	1.95	246.895	44.056	UL-RL	0.12	20.3	344	83.44	0.018	0	127.496
Stage4	1.55	253.336	45.755	UL-RL	0.12	20.3	344	87.367	0.018	0	133.122
Stage4	1.15	259.78	47.451	UL-RL	0.12	20.3	344	91.294	0.018	0	138.745
Stage4	0.75	266.468	49.145	UL-RL	0.12	20.3	344	95.22	0.018	0	144.365
Stage4	0.35	272.909	50.837	UL-RL	0.12	20.3	344	99.147	0.018	0	149.984
Stage4	-0.05	279.35	52.528	UL-RL	0.12	20.3	344	103.073	0.018	0	155.601
Stage4	-0.45	285.794	54.218	UL-RL	0.12	20.3	344	107	0.018	0	161.218
Stage4	-0.85	292.239	55.907	UL-RL	0.12	20.3	344	110.927	0.018	0	166.834
Stage4	-1.25	298.685	57.596	UL-RL	0.12	20.3	344	114.853	0.018	0	172.45
Stage4	-1.45	302.014	58.441	UL-RL	0.12	20.3	344	116.816	0.018	0	175.257
Stage4	-1.85	308.46	60.13	UL-RL	0.12	20.3	344	120.743	0.018	0	180.873
Stage4	-2.25	314.907	61.818	UL-RL	0.12	20.3	344	124.67	0.018	0	186.488
Stage4	-2.65	321.354	63.507	UL-RL	0.12	20.3	344	128.596	0.018	0	192.103
Stage4	-3.05	327.803	65.196	UL-RL	0.12	20.3	344	132.523	0.018	0	197.719
Stage4	-3.45	334.253	66.885	UL-RL	0.12	20.3	344	136.45	0.018	0	203.334
Stage4	-3.85	340.704	68.574	UL-RL	0.12	20.3	344	140.376	0.018	0	208.95
Stage4	-4.25	347.156	70.264	UL-RL	0.12	20.3	344	144.303	0.018	0	214.567
Stage4	-4.65	353.608	71.954	UL-RL	0.12	20.3	344	148.229	0.018	0	220.184
Stage4	-5.05	360.062	73.645	UL-RL	0.12	20.3	344	152.156	0.018	0	225.801
Stage4	-5.45	366.516	75.337	UL-RL	0.12	20.3	344	156.083	0.018	0	231.419

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp					
Stage4	-5.85	372.971	77.029	UL-RL	0.12	20.3	344	160.009	0.018	0	237.038
Stage4	-6.25	379.593	78.721	UL-RL	0.12	20.3	344	163.936	0.018	0	242.657
Stage4	-6.65	386.046	80.415	UL-RL	0.12	20.3	344	167.862	0.018	0	248.277
Stage4	-7.05	392.5	82.109	UL-RL	0.12	20.3	344	171.789	0.018	0	253.898
Stage4	-7.45	398.954	83.803	UL-RL	0.12	20.3	344	175.716	0.018	0	259.519
Stage4	-7.85	405.41	85.499	UL-RL	0.12	20.3	344	179.642	0.018	0	265.141
Stage4	-8.25	411.866	87.195	UL-RL	0.12	20.3	344	183.569	0.018	0	270.764
Stage4	-8.65	418.322	88.892	UL-RL	0.12	20.3	344	187.495	0.018	0	276.388
Stage4	-9.05	424.779	90.59	UL-RL	0.12	20.3	344	191.422	0.018	0	282.012
Stage4	-9.45	431.236	92.289	UL-RL	0.12	20.3	344	195.349	0.018	0	287.638
Stage4	-9.85	437.694	93.988	UL-RL	0.12	20.3	344	199.275	0.018	0	293.264
Stage4	-10.25	444.152	95.689	UL-RL	0.12	20.3	344	203.202	0.018	0	298.891
Stage4	-10.65	450.611	97.39	UL-RL	0.12	20.3	344	207.128	0.018	0	304.518
Stage4	-11.05	457.207	99.092	UL-RL	0.12	20.3	344	211.055	0.018	0	310.147
Stage4	-11.45	463.665	100.795	UL-RL	0.12	20.3	344	214.982	0.018	0	315.777
Stage4	-11.85	470.123	102.499	UL-RL	0.12	20.3	344	218.908	0.018	0	321.407
Stage4	-12.25	476.582	104.203	UL-RL	0.12	20.3	344	222.835	0.018	0	327.038
Stage4	-12.65	483.041	105.909	UL-RL	0.12	20.3	344	226.762	0.018	0	332.67
Stage4	-13.05	489.5	107.615	UL-RL	0.12	20.3	344	230.688	0.018	0	338.303
Stage4	-13.45	495.96	109.322	UL-RL	0.12	20.3	344	234.615	0.018	0	343.937
Stage4	-13.85	502.42	111.03	UL-RL	0.12	20.3	344	238.541	0.018	0	349.571
Stage4	-14.25	508.88	112.739	UL-RL	0.12	20.3	344	242.468	0.018	0	355.206
Stage4	-14.65	515.341	114.448	UL-RL	0.12	20.3	344	246.394	0.018	0	360.842
Stage4	-15.05	521.802	116.158	UL-RL	0.12	20.3	344	250.321	0.018	0	366.479
Stage4	-15.45	528.381	117.87	UL-RL	0.12	20.3	344	254.248	0.018	0	372.117
Stage4	-15.85	534.841	119.581	UL-RL	0.12	20.3	344	258.174	0.018	0	377.756
Stage4	-16.25	541.302	121.294	UL-RL	0.12	20.3	344	262.101	0.018	0	383.395
Stage4	-16.65	547.763	123.008	UL-RL	0.12	20.3	344	266.027	0.018	0	389.035
Stage4	-17.05	554.224	124.722	UL-RL	0.12	20.3	344	269.954	0.018	0	394.676
Stage4	-17.3	558.304	125.794	UL-RL	0.12	20.3	344	272.408	0.018	0	398.202

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage5

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	0	10.412
Stage5	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	0	4.374
Stage5	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0	0.602
Stage5	14.55	36.919	1.241	UL-RL	0.361	3.222	14	0	0	0	1.241
Stage5	14.15	45.605	1.895	UL-RL	0.361	3.222	14	0	0	0	1.895
Stage5	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	0	5.293
Stage5	13.35	62.878	9.072	UL-RL	0.361	3.222	14	0	0	0	9.072
Stage5	12.95	71.384	12.719	UL-RL	0.361	3.222	14	0	0	0	12.719
Stage5	12.55	79.768	16.178	UL-RL	0.361	3.222	14	0	0	0	16.178
Stage5	12.15	86.949	18.952	UL-RL	0.361	3.222	14	0	0	0	18.952
Stage5	11.75	94.503	21.46	UL-RL	0.361	3.222	14	0	0	0	21.46
Stage5	11.35	102.304	23.472	UL-RL	0.361	3.222	14	0	0	0	23.472
Stage5	10.95	110.135	24.688	UL-RL	0.361	3.222	14	0	0	0	24.688
Stage5	10.55	117.989	26.474	UL-RL	0.361	3.222	14	0	0	0	26.474
Stage5	10.15	125.863	28.613	ACTIVE	0.361	3.222	14	0	0	0	28.613
Stage5	9.95	130.116	30.148	ACTIVE	0.361	3.222	14	0	0	0	30.148
Stage5	9.55	137.993	32.992	ACTIVE	0.361	3.222	14	0	0	0	32.992
Stage5	9.15	145.884	36.799	UL-RL	0.361	3.222	14	0	0	0	36.799
Stage5	8.75	154.087	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage5	8.35	164.399	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage5	7.95	174.72	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage5	7.55	185.049	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage5	7.15	195.384	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage5	6.75	205.724	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage5	6.35	216.069	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage5	5.95	226.418	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage5	5.55	236.151	0	ACTIVE	0.12	20.3	344	0.978	0.022	0	0.978
Stage5	5.15	242.584	0	ACTIVE	0.12	20.3	344	4.889	0.022	0	4.889
Stage5	4.75	249.02	0	ACTIVE	0.12	20.3	344	8.8	0.022	0	8.8
Stage5	4.35	255.46	0	ACTIVE	0.12	20.3	344	12.71	0.022	0	12.71
Stage5	3.95	261.904	15.492	UL-RL	0.12	20.3	344	16.621	0.022	0	32.113
Stage5	3.55	268.35	30.771	UL-RL	0.12	20.3	344	20.532	0.022	0	51.303
Stage5	3.15	274.799	34.269	UL-RL	0.12	20.3	344	24.443	0.022	0	58.712
Stage5	2.75	281.25	33.918	UL-RL	0.12	20.3	344	28.354	0.022	0	62.272
Stage5	2.35	287.704	33.546	UL-RL	0.12	20.3	344	32.265	0.022	0	65.811
Stage5	1.95	294.159	34.207	UL-RL	0.12	20.3	344	36.176	0.022	0	70.383
Stage5	1.55	300.616	35.732	UL-RL	0.12	20.3	344	40.087	0.022	0	75.819
Stage5	1.15	307.076	37.687	UL-RL	0.12	20.3	344	43.998	0.022	0	81.684
Stage5	0.75	313.78	39.752	UL-RL	0.12	20.3	344	47.909	0.022	0	87.661
Stage5	0.35	320.236	41.78	UL-RL	0.12	20.3	344	51.82	0.022	0	93.599
Stage5	-0.05	326.693	43.735	UL-RL	0.12	20.3	344	55.731	0.022	0	99.465
Stage5	-0.45	333.152	45.632	UL-RL	0.12	20.3	344	59.641	0.022	0	105.273
Stage5	-0.85	339.613	47.492	UL-RL	0.12	20.3	344	63.552	0.022	0	111.044
Stage5	-1.25	346.075	49.332	UL-RL	0.12	20.3	344	67.463	0.022	0	116.796
Stage5	-1.45	349.412	50.248	UL-RL	0.12	20.3	344	69.419	0.022	0	119.667
Stage5	-1.85	355.873	52.072	UL-RL	0.12	20.3	344	73.33	0.022	0	125.402
Stage5	-2.25	362.336	53.889	UL-RL	0.12	20.3	344	77.241	0.022	0	131.13
Stage5	-2.65	368.799	55.699	UL-RL	0.12	20.3	344	81.151	0.022	0	136.85
Stage5	-3.05	375.264	57.502	UL-RL	0.12	20.3	344	85.062	0.022	0	142.564
Stage5	-3.45	381.73	59.298	UL-RL	0.12	20.3	344	88.973	0.022	0	148.272
Stage5	-3.85	388.196	61.089	UL-RL	0.12	20.3	344	92.884	0.022	0	153.974
Stage5	-4.25	394.664	62.876	UL-RL	0.12	20.3	344	96.795	0.022	0	159.671

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-4.65	401.132	64.657	UL-RL	0.12	20.3	344	100.706	0.022	0	165.363
Stage5	-5.05	407.601	66.435	UL-RL	0.12	20.3	344	104.617	0.022	0	171.052
Stage5	-5.45	414.071	68.21	UL-RL	0.12	20.3	344	108.528	0.022	0	176.738
Stage5	-5.85	420.541	69.982	UL-RL	0.12	20.3	344	112.439	0.022	0	182.42
Stage5	-6.25	427.179	71.751	UL-RL	0.12	20.3	344	116.35	0.022	0	188.1
Stage5	-6.65	433.648	73.518	UL-RL	0.12	20.3	344	120.261	0.022	0	193.778
Stage5	-7.05	440.118	75.283	UL-RL	0.12	20.3	344	124.172	0.022	0	199.454
Stage5	-7.45	446.588	77.046	UL-RL	0.12	20.3	344	128.082	0.022	0	205.128
Stage5	-7.85	453.059	78.807	UL-RL	0.12	20.3	344	131.993	0.022	0	210.801
Stage5	-8.25	459.53	80.568	UL-RL	0.12	20.3	344	135.904	0.022	0	216.472
Stage5	-8.65	466.002	82.327	UL-RL	0.12	20.3	344	139.815	0.022	0	222.142
Stage5	-9.05	472.475	84.085	UL-RL	0.12	20.3	344	143.726	0.022	0	227.811
Stage5	-9.45	478.948	85.842	UL-RL	0.12	20.3	344	147.637	0.022	0	233.479
Stage5	-9.85	485.421	87.599	UL-RL	0.12	20.3	344	151.548	0.022	0	239.147
Stage5	-10.25	491.895	89.355	UL-RL	0.12	20.3	344	155.459	0.022	0	244.813
Stage5	-10.65	498.37	91.11	UL-RL	0.12	20.3	344	159.37	0.022	0	250.48
Stage5	-11.05	504.982	92.865	UL-RL	0.12	20.3	344	163.281	0.022	0	256.145
Stage5	-11.45	511.455	94.619	UL-RL	0.12	20.3	344	167.192	0.022	0	261.811
Stage5	-11.85	517.929	96.373	UL-RL	0.12	20.3	344	171.102	0.022	0	267.476
Stage5	-12.25	524.403	98.127	UL-RL	0.12	20.3	344	175.013	0.022	0	273.141
Stage5	-12.65	530.878	99.881	UL-RL	0.12	20.3	344	178.924	0.022	0	278.806
Stage5	-13.05	537.353	101.635	UL-RL	0.12	20.3	344	182.835	0.022	0	284.47
Stage5	-13.45	543.828	103.389	UL-RL	0.12	20.3	344	186.746	0.022	0	290.135
Stage5	-13.85	550.304	105.142	UL-RL	0.12	20.3	344	190.657	0.022	0	295.799
Stage5	-14.25	556.78	106.896	UL-RL	0.12	20.3	344	194.568	0.022	0	301.464
Stage5	-14.65	563.256	108.65	UL-RL	0.12	20.3	344	198.479	0.022	0	307.128
Stage5	-15.05	569.733	110.403	UL-RL	0.12	20.3	344	202.39	0.022	0	312.793
Stage5	-15.45	576.328	112.157	UL-RL	0.12	20.3	344	206.301	0.022	0	318.458
Stage5	-15.85	582.804	113.911	UL-RL	0.12	20.3	344	210.212	0.022	0	324.123
Stage5	-16.25	589.28	115.665	UL-RL	0.12	20.3	344	214.122	0.022	0	329.788
Stage5	-16.65	595.757	117.42	UL-RL	0.12	20.3	344	218.033	0.022	0	335.453
Stage5	-17.05	602.234	119.175	UL-RL	0.12	20.3	344	221.944	0.022	0	341.119
Stage5	-17.3	606.324	120.272	UL-RL	0.12	20.3	344	224.389	0.022	0	344.661

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.35	4.733	40.36	UL-RL	0.12	20.3	344	3.067	0.022	0	43.426
Stage5	3.95	11.044	33.58	UL-RL	0.12	20.3	344	7.156	0.022	0	40.735
Stage5	3.55	17.355	32.486	UL-RL	0.12	20.3	344	11.245	0.022	0	43.731
Stage5	3.15	23.666	34.472	UL-RL	0.12	20.3	344	15.334	0.022	0	49.806
Stage5	2.75	29.977	37.364	UL-RL	0.12	20.3	344	19.423	0.022	0	56.787
Stage5	2.35	36.288	40.113	UL-RL	0.12	20.3	344	23.512	0.022	0	63.625
Stage5	1.95	42.599	42.452	UL-RL	0.12	20.3	344	27.601	0.022	0	70.053
Stage5	1.55	48.91	44.458	UL-RL	0.12	20.3	344	31.69	0.022	0	76.148
Stage5	1.15	55.22	46.276	UL-RL	0.12	20.3	344	35.78	0.022	0	82.056
Stage5	0.75	61.531	48.015	UL-RL	0.12	20.3	344	39.869	0.022	0	87.884
Stage5	0.35	67.842	49.727	UL-RL	0.12	20.3	344	43.958	0.022	0	93.684
Stage5	-0.05	74.153	51.428	UL-RL	0.12	20.3	344	48.047	0.022	0	99.475
Stage5	-0.45	80.464	53.121	UL-RL	0.12	20.3	344	52.136	0.022	0	105.257
Stage5	-0.85	86.775	54.802	UL-RL	0.12	20.3	344	56.225	0.022	0	111.027
Stage5	-1.25	93.086	56.471	UL-RL	0.12	20.3	344	60.314	0.022	0	116.786
Stage5	-1.45	96.241	57.301	UL-RL	0.12	20.3	344	62.359	0.022	0	119.66
Stage5	-1.85	102.552	58.952	UL-RL	0.12	20.3	344	66.448	0.022	0	125.4
Stage5	-2.25	108.863	60.593	UL-RL	0.12	20.3	344	70.537	0.022	0	131.13
Stage5	-2.65	115.174	62.225	UL-RL	0.12	20.3	344	74.626	0.022	0	136.851
Stage5	-3.05	121.485	63.85	UL-RL	0.12	20.3	344	78.715	0.022	0	142.564
Stage5	-3.45	127.796	65.468	UL-RL	0.12	20.3	344	82.804	0.022	0	148.272
Stage5	-3.85	134.107	67.08	UL-RL	0.12	20.3	344	86.893	0.022	0	153.974
Stage5	-4.25	140.418	68.688	UL-RL	0.12	20.3	344	90.982	0.022	0	159.67
Stage5	-4.65	146.729	70.292	UL-RL	0.12	20.3	344	95.071	0.022	0	165.363
Stage5	-5.05	153.04	71.892	UL-RL	0.12	20.3	344	99.16	0.022	0	171.052
Stage5	-5.45	159.351	73.488	UL-RL	0.12	20.3	344	103.25	0.022	0	176.738

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	RIGHT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage5	-5.85	165.662	75.082	UL-RL	UL-RL	0.12	20.3	344	107.338	0.022	0	182.42	
Stage5	-6.25	171.972	76.673	UL-RL	UL-RL	0.12	20.3	344	111.428	0.022	0	188.1	
Stage5	-6.65	178.283	78.261	UL-RL	UL-RL	0.12	20.3	344	115.517	0.022	0	193.778	
Stage5	-7.05	184.594	79.848	UL-RL	UL-RL	0.12	20.3	344	119.606	0.022	0	199.454	
Stage5	-7.45	190.905	81.433	UL-RL	UL-RL	0.12	20.3	344	123.695	0.022	0	205.128	
Stage5	-7.85	197.216	83.017	UL-RL	UL-RL	0.12	20.3	344	127.784	0.022	0	210.801	
Stage5	-8.25	203.527	84.599	UL-RL	UL-RL	0.12	20.3	344	131.873	0.022	0	216.472	
Stage5	-8.65	209.838	86.18	UL-RL	UL-RL	0.12	20.3	344	135.962	0.022	0	222.142	
Stage5	-9.05	216.149	87.76	UL-RL	UL-RL	0.12	20.3	344	140.051	0.022	0	227.811	
Stage5	-9.45	222.46	89.339	UL-RL	UL-RL	0.12	20.3	344	144.14	0.022	0	233.479	
Stage5	-9.85	228.771	90.917	UL-RL	UL-RL	0.12	20.3	344	148.229	0.022	0	239.147	
Stage5	-10.25	235.082	92.495	UL-RL	UL-RL	0.12	20.3	344	152.318	0.022	0	244.813	
Stage5	-10.65	241.392	94.072	UL-RL	UL-RL	0.12	20.3	344	156.408	0.022	0	250.48	
Stage5	-11.05	247.703	95.649	UL-RL	UL-RL	0.12	20.3	344	160.497	0.022	0	256.145	
Stage5	-11.45	254.014	97.225	UL-RL	UL-RL	0.12	20.3	344	164.586	0.022	0	261.811	
Stage5	-11.85	260.325	98.801	UL-RL	UL-RL	0.12	20.3	344	168.675	0.022	0	267.476	
Stage5	-12.25	266.636	100.377	UL-RL	UL-RL	0.12	20.3	344	172.764	0.022	0	273.141	
Stage5	-12.65	272.947	101.952	UL-RL	UL-RL	0.12	20.3	344	176.853	0.022	0	278.806	
Stage5	-13.05	279.258	103.528	UL-RL	UL-RL	0.12	20.3	344	180.942	0.022	0	284.47	
Stage5	-13.45	285.569	105.104	UL-RL	UL-RL	0.12	20.3	344	185.031	0.022	0	290.135	
Stage5	-13.85	291.88	106.679	UL-RL	UL-RL	0.12	20.3	344	189.12	0.022	0	295.799	
Stage5	-14.25	298.191	108.254	UL-RL	UL-RL	0.12	20.3	344	193.209	0.022	0	301.464	
Stage5	-14.65	304.501	109.83	UL-RL	UL-RL	0.12	20.3	344	197.298	0.022	0	307.128	
Stage5	-15.05	310.812	111.406	UL-RL	UL-RL	0.12	20.3	344	201.387	0.022	0	312.793	
Stage5	-15.45	317.123	112.981	UL-RL	UL-RL	0.12	20.3	344	205.476	0.022	0	318.458	
Stage5	-15.85	323.434	114.557	UL-RL	UL-RL	0.12	20.3	344	209.566	0.022	0	324.123	
Stage5	-16.25	329.745	116.133	UL-RL	UL-RL	0.12	20.3	344	213.655	0.022	0	329.788	
Stage5	-16.65	336.056	117.71	UL-RL	UL-RL	0.12	20.3	344	217.744	0.022	0	335.453	
Stage5	-17.05	342.367	119.286	UL-RL	UL-RL	0.12	20.3	344	221.833	0.022	0	341.119	
Stage5	-17.3	346.311	120.271	UL-RL	UL-RL	0.12	20.3	344	224.389	0.022	0	344.66	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage5

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.35	4.733	40.36	UL-RL	0.12	20.3	344	3.067	0.022	0	43.426
Stage5	3.95	11.044	33.58	UL-RL	0.12	20.3	344	7.156	0.022	0	40.735
Stage5	3.55	17.355	32.486	UL-RL	0.12	20.3	344	11.245	0.022	0	43.731
Stage5	3.15	23.666	34.472	UL-RL	0.12	20.3	344	15.334	0.022	0	49.806
Stage5	2.75	29.977	37.364	UL-RL	0.12	20.3	344	19.423	0.022	0	56.787
Stage5	2.35	36.288	40.113	UL-RL	0.12	20.3	344	23.512	0.022	0	63.625
Stage5	1.95	42.599	42.452	UL-RL	0.12	20.3	344	27.601	0.022	0	70.053
Stage5	1.55	48.91	44.458	UL-RL	0.12	20.3	344	31.69	0.022	0	76.148
Stage5	1.15	55.22	46.276	UL-RL	0.12	20.3	344	35.78	0.022	0	82.056
Stage5	0.75	61.531	48.015	UL-RL	0.12	20.3	344	39.869	0.022	0	87.884
Stage5	0.35	67.842	49.727	UL-RL	0.12	20.3	344	43.958	0.022	0	93.684
Stage5	-0.05	74.153	51.428	UL-RL	0.12	20.3	344	48.047	0.022	0	99.475
Stage5	-0.45	80.464	53.121	UL-RL	0.12	20.3	344	52.136	0.022	0	105.257
Stage5	-0.85	86.775	54.802	UL-RL	0.12	20.3	344	56.225	0.022	0	111.027
Stage5	-1.25	93.086	56.471	UL-RL	0.12	20.3	344	60.314	0.022	0	116.786
Stage5	-1.45	96.241	57.301	UL-RL	0.12	20.3	344	62.359	0.022	0	119.66
Stage5	-1.85	102.552	58.952	UL-RL	0.12	20.3	344	66.448	0.022	0	125.4
Stage5	-2.25	108.863	60.593	UL-RL	0.12	20.3	344	70.537	0.022	0	131.13
Stage5	-2.65	115.174	62.225	UL-RL	0.12	20.3	344	74.626	0.022	0	136.851
Stage5	-3.05	121.485	63.85	UL-RL	0.12	20.3	344	78.715	0.022	0	142.564
Stage5	-3.45	127.796	65.468	UL-RL	0.12	20.3	344	82.804	0.022	0	148.272
Stage5	-3.85	134.107	67.08	UL-RL	0.12	20.3	344	86.893	0.022	0	153.974
Stage5	-4.25	140.418	68.688	UL-RL	0.12	20.3	344	90.982	0.022	0	159.67

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-4.65	146.729	70.292	UL-RL	0.12	20.3	344	95.071	0.022	0	165.363
Stage5	-5.05	153.04	71.892	UL-RL	0.12	20.3	344	99.16	0.022	0	171.052
Stage5	-5.45	159.351	73.488	UL-RL	0.12	20.3	344	103.25	0.022	0	176.738
Stage5	-5.85	165.662	75.082	UL-RL	0.12	20.3	344	107.338	0.022	0	182.42
Stage5	-6.25	171.972	76.673	UL-RL	0.12	20.3	344	111.428	0.022	0	188.1
Stage5	-6.65	178.283	78.261	UL-RL	0.12	20.3	344	115.517	0.022	0	193.778
Stage5	-7.05	184.594	79.848	UL-RL	0.12	20.3	344	119.606	0.022	0	199.454
Stage5	-7.45	190.905	81.433	UL-RL	0.12	20.3	344	123.695	0.022	0	205.128
Stage5	-7.85	197.216	83.017	UL-RL	0.12	20.3	344	127.784	0.022	0	210.801
Stage5	-8.25	203.527	84.599	UL-RL	0.12	20.3	344	131.873	0.022	0	216.472
Stage5	-8.65	209.838	86.18	UL-RL	0.12	20.3	344	135.962	0.022	0	222.142
Stage5	-9.05	216.149	87.76	UL-RL	0.12	20.3	344	140.051	0.022	0	227.811
Stage5	-9.45	222.46	89.339	UL-RL	0.12	20.3	344	144.14	0.022	0	233.479
Stage5	-9.85	228.771	90.917	UL-RL	0.12	20.3	344	148.229	0.022	0	239.147
Stage5	-10.25	235.082	92.495	UL-RL	0.12	20.3	344	152.318	0.022	0	244.813
Stage5	-10.65	241.392	94.072	UL-RL	0.12	20.3	344	156.408	0.022	0	250.48
Stage5	-11.05	247.703	95.649	UL-RL	0.12	20.3	344	160.497	0.022	0	256.145
Stage5	-11.45	254.014	97.225	UL-RL	0.12	20.3	344	164.586	0.022	0	261.811
Stage5	-11.85	260.325	98.801	UL-RL	0.12	20.3	344	168.675	0.022	0	267.476
Stage5	-12.25	266.636	100.377	UL-RL	0.12	20.3	344	172.764	0.022	0	273.141
Stage5	-12.65	272.947	101.952	UL-RL	0.12	20.3	344	176.853	0.022	0	278.806
Stage5	-13.05	279.258	103.528	UL-RL	0.12	20.3	344	180.942	0.022	0	284.47
Stage5	-13.45	285.569	105.104	UL-RL	0.12	20.3	344	185.031	0.022	0	290.135
Stage5	-13.85	291.88	106.679	UL-RL	0.12	20.3	344	189.12	0.022	0	295.799
Stage5	-14.25	298.191	108.254	UL-RL	0.12	20.3	344	193.209	0.022	0	301.464
Stage5	-14.65	304.501	109.83	UL-RL	0.12	20.3	344	197.298	0.022	0	307.128
Stage5	-15.05	310.812	111.406	UL-RL	0.12	20.3	344	201.387	0.022	0	312.793
Stage5	-15.45	317.123	112.981	UL-RL	0.12	20.3	344	205.476	0.022	0	318.458
Stage5	-15.85	323.434	114.557	UL-RL	0.12	20.3	344	209.566	0.022	0	324.123
Stage5	-16.25	329.745	116.133	UL-RL	0.12	20.3	344	213.655	0.022	0	329.788
Stage5	-16.65	336.056	117.71	UL-RL	0.12	20.3	344	217.744	0.022	0	335.453
Stage5	-17.05	342.367	119.286	UL-RL	0.12	20.3	344	221.833	0.022	0	341.119
Stage5	-17.3	346.311	120.271	UL-RL	0.12	20.3	344	224.389	0.022	0	344.66

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage5	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	10.412
Stage5	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	4.374
Stage5	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0.602
Stage5	14.55	36.919	1.241	UL-RL	0.361	3.222	14	0	0	1.241
Stage5	14.15	45.605	1.895	UL-RL	0.361	3.222	14	0	0	1.895
Stage5	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	5.293
Stage5	13.35	62.878	9.072	UL-RL	0.361	3.222	14	0	0	9.072
Stage5	12.95	71.384	12.719	UL-RL	0.361	3.222	14	0	0	12.719
Stage5	12.55	79.768	16.178	UL-RL	0.361	3.222	14	0	0	16.178
Stage5	12.15	86.949	18.952	UL-RL	0.361	3.222	14	0	0	18.952
Stage5	11.75	94.503	21.46	UL-RL	0.361	3.222	14	0	0	21.46
Stage5	11.35	102.304	23.472	UL-RL	0.361	3.222	14	0	0	23.472
Stage5	10.95	110.135	24.688	UL-RL	0.361	3.222	14	0	0	24.688
Stage5	10.55	117.989	26.474	UL-RL	0.361	3.222	14	0	0	26.474
Stage5	10.15	125.863	28.613	ACTIVE	0.361	3.222	14	0	0	28.613
Stage5	9.95	130.116	30.148	ACTIVE	0.361	3.222	14	0	0	30.148
Stage5	9.55	137.993	32.992	ACTIVE	0.361	3.222	14	0	0	32.992
Stage5	9.15	145.884	36.799	UL-RL	0.361	3.222	14	0	0	36.799
Stage5	8.75	154.087	0	ACTIVE	0.12	20.3	344	0	0	0
Stage5	8.35	164.399	0	ACTIVE	0.12	20.3	344	0	0	0
Stage5	7.95	174.72	0	ACTIVE	0.12	20.3	344	0	0	0
Stage5	7.55	185.049	0	ACTIVE	0.12	20.3	344	0	0	0
Stage5	7.15	195.384	0	ACTIVE	0.12	20.3	344	0	0	0
Stage5	6.75	205.724	0	ACTIVE	0.12	20.3	344	0	0	0
Stage5	6.35	216.069	0	ACTIVE	0.12	20.3	344	0	0	0
Stage5	5.95	226.418	0	ACTIVE	0.12	20.3	344	0	0	0
Stage5	5.55	236.151	0	ACTIVE	0.12	20.3	344	0.978	0.022	0.978
Stage5	5.15	242.584	0	ACTIVE	0.12	20.3	344	4.889	0.022	4.889
Stage5	4.75	249.02	0	ACTIVE	0.12	20.3	344	8.8	0.022	8.8
Stage5	4.35	255.46	0	ACTIVE	0.12	20.3	344	12.71	0.022	12.71
Stage5	3.95	261.904	15.492	UL-RL	0.12	20.3	344	16.621	0.022	32.113
Stage5	3.55	268.35	30.771	UL-RL	0.12	20.3	344	20.532	0.022	51.303
Stage5	3.15	274.799	34.269	UL-RL	0.12	20.3	344	24.443	0.022	58.712
Stage5	2.75	281.25	33.918	UL-RL	0.12	20.3	344	28.354	0.022	62.272
Stage5	2.35	287.704	33.546	UL-RL	0.12	20.3	344	32.265	0.022	65.811
Stage5	1.95	294.159	34.207	UL-RL	0.12	20.3	344	36.176	0.022	70.383
Stage5	1.55	300.616	35.732	UL-RL	0.12	20.3	344	40.087	0.022	75.819
Stage5	1.15	307.076	37.687	UL-RL	0.12	20.3	344	43.998	0.022	81.684
Stage5	0.75	313.78	39.752	UL-RL	0.12	20.3	344	47.909	0.022	87.661
Stage5	0.35	320.236	41.78	UL-RL	0.12	20.3	344	51.82	0.022	93.599
Stage5	-0.05	326.693	43.735	UL-RL	0.12	20.3	344	55.731	0.022	99.465
Stage5	-0.45	333.152	45.632	UL-RL	0.12	20.3	344	59.641	0.022	105.273
Stage5	-0.85	339.613	47.492	UL-RL	0.12	20.3	344	63.552	0.022	111.044
Stage5	-1.25	346.075	49.332	UL-RL	0.12	20.3	344	67.463	0.022	116.796
Stage5	-1.45	349.412	50.248	UL-RL	0.12	20.3	344	69.419	0.022	119.667
Stage5	-1.85	355.873	52.072	UL-RL	0.12	20.3	344	73.33	0.022	125.402
Stage5	-2.25	362.336	53.889	UL-RL	0.12	20.3	344	77.241	0.022	131.13
Stage5	-2.65	368.799	55.699	UL-RL	0.12	20.3	344	81.151	0.022	136.85
Stage5	-3.05	375.264	57.502	UL-RL	0.12	20.3	344	85.062	0.022	142.564
Stage5	-3.45	381.73	59.298	UL-RL	0.12	20.3	344	88.973	0.022	148.272
Stage5	-3.85	388.196	61.089	UL-RL	0.12	20.3	344	92.884	0.022	153.974
Stage5	-4.25	394.664	62.876	UL-RL	0.12	20.3	344	96.795	0.022	159.671
Stage5	-4.65	401.132	64.657	UL-RL	0.12	20.3	344	100.706	0.022	165.363
Stage5	-5.05	407.601	66.435	UL-RL	0.12	20.3	344	104.617	0.022	171.052
Stage5	-5.45	414.071	68.21	UL-RL	0.12	20.3	344	108.528	0.022	176.738

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-5.85	420.541	69.982	UL-RL	0.12	20.3	344	112.439	0.022	0	182.42
Stage5	-6.25	427.179	71.751	UL-RL	0.12	20.3	344	116.35	0.022	0	188.1
Stage5	-6.65	433.648	73.518	UL-RL	0.12	20.3	344	120.261	0.022	0	193.778
Stage5	-7.05	440.118	75.283	UL-RL	0.12	20.3	344	124.172	0.022	0	199.454
Stage5	-7.45	446.588	77.046	UL-RL	0.12	20.3	344	128.082	0.022	0	205.128
Stage5	-7.85	453.059	78.807	UL-RL	0.12	20.3	344	131.993	0.022	0	210.801
Stage5	-8.25	459.53	80.568	UL-RL	0.12	20.3	344	135.904	0.022	0	216.472
Stage5	-8.65	466.002	82.327	UL-RL	0.12	20.3	344	139.815	0.022	0	222.142
Stage5	-9.05	472.475	84.085	UL-RL	0.12	20.3	344	143.726	0.022	0	227.811
Stage5	-9.45	478.948	85.842	UL-RL	0.12	20.3	344	147.637	0.022	0	233.479
Stage5	-9.85	485.421	87.599	UL-RL	0.12	20.3	344	151.548	0.022	0	239.147
Stage5	-10.25	491.895	89.355	UL-RL	0.12	20.3	344	155.459	0.022	0	244.813
Stage5	-10.65	498.37	91.11	UL-RL	0.12	20.3	344	159.37	0.022	0	250.48
Stage5	-11.05	504.982	92.865	UL-RL	0.12	20.3	344	163.281	0.022	0	256.145
Stage5	-11.45	511.455	94.619	UL-RL	0.12	20.3	344	167.192	0.022	0	261.811
Stage5	-11.85	517.929	96.373	UL-RL	0.12	20.3	344	171.102	0.022	0	267.476
Stage5	-12.25	524.403	98.127	UL-RL	0.12	20.3	344	175.013	0.022	0	273.141
Stage5	-12.65	530.878	99.881	UL-RL	0.12	20.3	344	178.924	0.022	0	278.806
Stage5	-13.05	537.353	101.635	UL-RL	0.12	20.3	344	182.835	0.022	0	284.47
Stage5	-13.45	543.828	103.389	UL-RL	0.12	20.3	344	186.746	0.022	0	290.135
Stage5	-13.85	550.304	105.142	UL-RL	0.12	20.3	344	190.657	0.022	0	295.799
Stage5	-14.25	556.78	106.896	UL-RL	0.12	20.3	344	194.568	0.022	0	301.464
Stage5	-14.65	563.256	108.65	UL-RL	0.12	20.3	344	198.479	0.022	0	307.128
Stage5	-15.05	569.733	110.403	UL-RL	0.12	20.3	344	202.39	0.022	0	312.793
Stage5	-15.45	576.328	112.157	UL-RL	0.12	20.3	344	206.301	0.022	0	318.458
Stage5	-15.85	582.804	113.911	UL-RL	0.12	20.3	344	210.212	0.022	0	324.123
Stage5	-16.25	589.28	115.665	UL-RL	0.12	20.3	344	214.122	0.022	0	329.788
Stage5	-16.65	595.757	117.42	UL-RL	0.12	20.3	344	218.033	0.022	0	335.453
Stage5	-17.05	602.234	119.175	UL-RL	0.12	20.3	344	221.944	0.022	0	341.119
Stage5	-17.3	606.324	120.272	UL-RL	0.12	20.3	344	224.389	0.022	0	344.661

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage6

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	0	10.412
Stage6	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	0	4.374
Stage6	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0	0.602
Stage6	14.55	36.919	1.241	UL-RL	0.361	3.222	14	0	0	0	1.241
Stage6	14.15	45.605	1.895	UL-RL	0.361	3.222	14	0	0	0	1.895
Stage6	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	0	5.293
Stage6	13.35	62.878	9.072	UL-RL	0.361	3.222	14	0	0	0	9.072
Stage6	12.95	71.384	12.719	UL-RL	0.361	3.222	14	0	0	0	12.719
Stage6	12.55	79.768	16.178	UL-RL	0.361	3.222	14	0	0	0	16.178
Stage6	12.15	86.949	18.952	UL-RL	0.361	3.222	14	0	0	0	18.952
Stage6	11.75	94.503	21.46	UL-RL	0.361	3.222	14	0	0	0	21.46
Stage6	11.35	102.304	23.472	UL-RL	0.361	3.222	14	0	0	0	23.472
Stage6	10.95	110.135	24.688	UL-RL	0.361	3.222	14	0	0	0	24.688
Stage6	10.55	117.989	26.474	UL-RL	0.361	3.222	14	0	0	0	26.474
Stage6	10.15	125.863	28.613	UL-RL	0.361	3.222	14	0	0	0	28.613
Stage6	9.95	130.116	30.148	UL-RL	0.361	3.222	14	0	0	0	30.148
Stage6	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	0	32.992
Stage6	9.15	145.884	36.799	UL-RL	0.361	3.222	14	0	0	0	36.799
Stage6	8.75	154.087	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage6	8.35	164.399	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage6	7.95	174.72	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage6	7.55	185.049	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage6	7.15	195.384	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage6	6.75	205.724	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage6	6.35	216.069	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage6	5.95	226.418	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage6	5.55	236.151	0	ACTIVE	0.12	20.3	344	0.978	0.022	0	0.978
Stage6	5.15	242.584	0	ACTIVE	0.12	20.3	344	4.889	0.022	0	4.889
Stage6	4.75	249.02	0	ACTIVE	0.12	20.3	344	8.8	0.022	0	8.8
Stage6	4.35	255.46	0	ACTIVE	0.12	20.3	344	12.71	0.022	0	12.71
Stage6	3.95	261.904	15.492	UL-RL	0.12	20.3	344	16.621	0.022	0	32.113
Stage6	3.55	268.35	30.771	UL-RL	0.12	20.3	344	20.532	0.022	0	51.303
Stage6	3.15	274.799	34.269	UL-RL	0.12	20.3	344	24.443	0.022	0	58.712
Stage6	2.75	281.25	33.918	UL-RL	0.12	20.3	344	28.354	0.022	0	62.272
Stage6	2.35	287.704	33.546	UL-RL	0.12	20.3	344	32.265	0.022	0	65.811
Stage6	1.95	294.159	34.207	UL-RL	0.12	20.3	344	36.176	0.022	0	70.383
Stage6	1.55	300.616	35.732	UL-RL	0.12	20.3	344	40.087	0.022	0	75.819
Stage6	1.15	307.076	37.687	UL-RL	0.12	20.3	344	43.998	0.022	0	81.684
Stage6	0.75	313.78	39.752	UL-RL	0.12	20.3	344	47.909	0.022	0	87.661
Stage6	0.35	320.236	41.78	UL-RL	0.12	20.3	344	51.82	0.022	0	93.599
Stage6	-0.05	326.693	43.735	UL-RL	0.12	20.3	344	55.731	0.022	0	99.465
Stage6	-0.45	333.152	45.632	UL-RL	0.12	20.3	344	59.641	0.022	0	105.273
Stage6	-0.85	339.613	47.492	UL-RL	0.12	20.3	344	63.552	0.022	0	111.044
Stage6	-1.25	346.075	49.332	UL-RL	0.12	20.3	344	67.463	0.022	0	116.796
Stage6	-1.45	349.412	50.248	UL-RL	0.12	20.3	344	69.419	0.022	0	119.667
Stage6	-1.85	355.873	52.072	UL-RL	0.12	20.3	344	73.33	0.022	0	125.402
Stage6	-2.25	362.336	53.889	UL-RL	0.12	20.3	344	77.241	0.022	0	131.13
Stage6	-2.65	368.799	55.699	UL-RL	0.12	20.3	344	81.151	0.022	0	136.85
Stage6	-3.05	375.264	57.502	UL-RL	0.12	20.3	344	85.062	0.022	0	142.564
Stage6	-3.45	381.73	59.298	UL-RL	0.12	20.3	344	88.973	0.022	0	148.272
Stage6	-3.85	388.196	61.089	UL-RL	0.12	20.3	344	92.884	0.022	0	153.974
Stage6	-4.25	394.664	62.876	UL-RL	0.12	20.3	344	96.795	0.022	0	159.671

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	-4.65	401.132	64.657	UL-RL	0.12	20.3	344	100.706	0.022	0	165.363
Stage6	-5.05	407.601	66.435	UL-RL	0.12	20.3	344	104.617	0.022	0	171.052
Stage6	-5.45	414.071	68.21	UL-RL	0.12	20.3	344	108.528	0.022	0	176.738
Stage6	-5.85	420.541	69.982	UL-RL	0.12	20.3	344	112.439	0.022	0	182.42
Stage6	-6.25	427.179	71.751	UL-RL	0.12	20.3	344	116.35	0.022	0	188.1
Stage6	-6.65	433.648	73.518	UL-RL	0.12	20.3	344	120.261	0.022	0	193.778
Stage6	-7.05	440.118	75.283	UL-RL	0.12	20.3	344	124.172	0.022	0	199.454
Stage6	-7.45	446.588	77.046	UL-RL	0.12	20.3	344	128.082	0.022	0	205.128
Stage6	-7.85	453.059	78.807	UL-RL	0.12	20.3	344	131.993	0.022	0	210.801
Stage6	-8.25	459.53	80.568	UL-RL	0.12	20.3	344	135.904	0.022	0	216.472
Stage6	-8.65	466.002	82.327	UL-RL	0.12	20.3	344	139.815	0.022	0	222.142
Stage6	-9.05	472.475	84.085	UL-RL	0.12	20.3	344	143.726	0.022	0	227.811
Stage6	-9.45	478.948	85.842	UL-RL	0.12	20.3	344	147.637	0.022	0	233.479
Stage6	-9.85	485.421	87.599	UL-RL	0.12	20.3	344	151.548	0.022	0	239.147
Stage6	-10.25	491.895	89.355	UL-RL	0.12	20.3	344	155.459	0.022	0	244.813
Stage6	-10.65	498.37	91.11	UL-RL	0.12	20.3	344	159.37	0.022	0	250.48
Stage6	-11.05	504.982	92.865	UL-RL	0.12	20.3	344	163.281	0.022	0	256.145
Stage6	-11.45	511.455	94.619	UL-RL	0.12	20.3	344	167.192	0.022	0	261.811
Stage6	-11.85	517.929	96.373	UL-RL	0.12	20.3	344	171.102	0.022	0	267.476
Stage6	-12.25	524.403	98.127	UL-RL	0.12	20.3	344	175.013	0.022	0	273.141
Stage6	-12.65	530.878	99.881	UL-RL	0.12	20.3	344	178.924	0.022	0	278.806
Stage6	-13.05	537.353	101.635	UL-RL	0.12	20.3	344	182.835	0.022	0	284.47
Stage6	-13.45	543.828	103.389	UL-RL	0.12	20.3	344	186.746	0.022	0	290.135
Stage6	-13.85	550.304	105.142	UL-RL	0.12	20.3	344	190.657	0.022	0	295.799
Stage6	-14.25	556.78	106.896	UL-RL	0.12	20.3	344	194.568	0.022	0	301.464
Stage6	-14.65	563.256	108.65	UL-RL	0.12	20.3	344	198.479	0.022	0	307.128
Stage6	-15.05	569.733	110.403	UL-RL	0.12	20.3	344	202.39	0.022	0	312.793
Stage6	-15.45	576.328	112.157	UL-RL	0.12	20.3	344	206.301	0.022	0	318.458
Stage6	-15.85	582.804	113.911	UL-RL	0.12	20.3	344	210.212	0.022	0	324.123
Stage6	-16.25	589.28	115.665	UL-RL	0.12	20.3	344	214.122	0.022	0	329.788
Stage6	-16.65	595.757	117.42	UL-RL	0.12	20.3	344	218.033	0.022	0	335.453
Stage6	-17.05	602.234	119.175	UL-RL	0.12	20.3	344	221.944	0.022	0	341.119
Stage6	-17.3	606.324	120.272	UL-RL	0.12	20.3	344	224.389	0.022	0	344.661

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.35	4.733	40.36	UL-RL	0.12	20.3	344	3.067	0.022	0	43.426
Stage6	3.95	11.044	33.58	UL-RL	0.12	20.3	344	7.156	0.022	0	40.735
Stage6	3.55	17.355	32.486	UL-RL	0.12	20.3	344	11.245	0.022	0	43.731
Stage6	3.15	23.666	34.472	UL-RL	0.12	20.3	344	15.334	0.022	0	49.806
Stage6	2.75	29.977	37.364	UL-RL	0.12	20.3	344	19.423	0.022	0	56.787
Stage6	2.35	36.288	40.113	UL-RL	0.12	20.3	344	23.512	0.022	0	63.625
Stage6	1.95	42.599	42.452	UL-RL	0.12	20.3	344	27.601	0.022	0	70.053
Stage6	1.55	48.91	44.458	UL-RL	0.12	20.3	344	31.69	0.022	0	76.148
Stage6	1.15	55.22	46.276	UL-RL	0.12	20.3	344	35.78	0.022	0	82.056
Stage6	0.75	61.531	48.015	UL-RL	0.12	20.3	344	39.869	0.022	0	87.884
Stage6	0.35	67.842	49.727	UL-RL	0.12	20.3	344	43.958	0.022	0	93.684
Stage6	-0.05	74.153	51.428	UL-RL	0.12	20.3	344	48.047	0.022	0	99.475
Stage6	-0.45	80.464	53.121	UL-RL	0.12	20.3	344	52.136	0.022	0	105.257
Stage6	-0.85	86.775	54.802	UL-RL	0.12	20.3	344	56.225	0.022	0	111.027
Stage6	-1.25	93.086	56.471	UL-RL	0.12	20.3	344	60.314	0.022	0	116.786
Stage6	-1.45	96.241	57.301	UL-RL	0.12	20.3	344	62.359	0.022	0	119.66
Stage6	-1.85	102.552	58.952	UL-RL	0.12	20.3	344	66.448	0.022	0	125.4
Stage6	-2.25	108.863	60.593	UL-RL	0.12	20.3	344	70.537	0.022	0	131.13
Stage6	-2.65	115.174	62.225	UL-RL	0.12	20.3	344	74.626	0.022	0	136.851
Stage6	-3.05	121.485	63.85	UL-RL	0.12	20.3	344	78.715	0.022	0	142.564
Stage6	-3.45	127.796	65.468	UL-RL	0.12	20.3	344	82.804	0.022	0	148.272
Stage6	-3.85	134.107	67.08	UL-RL	0.12	20.3	344	86.893	0.022	0	153.974
Stage6	-4.25	140.418	68.688	UL-RL	0.12	20.3	344	90.982	0.022	0	159.67
Stage6	-4.65	146.729	70.292	UL-RL	0.12	20.3	344	95.071	0.022	0	165.363
Stage6	-5.05	153.04	71.892	UL-RL	0.12	20.3	344	99.16	0.022	0	171.052
Stage6	-5.45	159.351	73.488	UL-RL	0.12	20.3	344	103.25	0.022	0	176.738

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	-5.85	165.662	75.082	UL-RL	0.12	20.3	344	107.338	0.022	0	182.42
Stage6	-6.25	171.972	76.673	UL-RL	0.12	20.3	344	111.428	0.022	0	188.1
Stage6	-6.65	178.283	78.261	UL-RL	0.12	20.3	344	115.517	0.022	0	193.778
Stage6	-7.05	184.594	79.848	UL-RL	0.12	20.3	344	119.606	0.022	0	199.454
Stage6	-7.45	190.905	81.433	UL-RL	0.12	20.3	344	123.695	0.022	0	205.128
Stage6	-7.85	197.216	83.017	UL-RL	0.12	20.3	344	127.784	0.022	0	210.801
Stage6	-8.25	203.527	84.599	UL-RL	0.12	20.3	344	131.873	0.022	0	216.472
Stage6	-8.65	209.838	86.18	UL-RL	0.12	20.3	344	135.962	0.022	0	222.142
Stage6	-9.05	216.149	87.76	UL-RL	0.12	20.3	344	140.051	0.022	0	227.811
Stage6	-9.45	222.46	89.339	UL-RL	0.12	20.3	344	144.14	0.022	0	233.479
Stage6	-9.85	228.771	90.917	UL-RL	0.12	20.3	344	148.229	0.022	0	239.147
Stage6	-10.25	235.082	92.495	UL-RL	0.12	20.3	344	152.318	0.022	0	244.813
Stage6	-10.65	241.392	94.072	UL-RL	0.12	20.3	344	156.408	0.022	0	250.48
Stage6	-11.05	247.703	95.649	UL-RL	0.12	20.3	344	160.497	0.022	0	256.145
Stage6	-11.45	254.014	97.225	UL-RL	0.12	20.3	344	164.586	0.022	0	261.811
Stage6	-11.85	260.325	98.801	UL-RL	0.12	20.3	344	168.675	0.022	0	267.476
Stage6	-12.25	266.636	100.377	UL-RL	0.12	20.3	344	172.764	0.022	0	273.141
Stage6	-12.65	272.947	101.952	UL-RL	0.12	20.3	344	176.853	0.022	0	278.806
Stage6	-13.05	279.258	103.528	UL-RL	0.12	20.3	344	180.942	0.022	0	284.47
Stage6	-13.45	285.569	105.104	UL-RL	0.12	20.3	344	185.031	0.022	0	290.135
Stage6	-13.85	291.88	106.679	UL-RL	0.12	20.3	344	189.12	0.022	0	295.799
Stage6	-14.25	298.191	108.254	UL-RL	0.12	20.3	344	193.209	0.022	0	301.464
Stage6	-14.65	304.501	109.83	UL-RL	0.12	20.3	344	197.298	0.022	0	307.128
Stage6	-15.05	310.812	111.406	UL-RL	0.12	20.3	344	201.387	0.022	0	312.793
Stage6	-15.45	317.123	112.981	UL-RL	0.12	20.3	344	205.476	0.022	0	318.458
Stage6	-15.85	323.434	114.557	UL-RL	0.12	20.3	344	209.566	0.022	0	324.123
Stage6	-16.25	329.745	116.133	UL-RL	0.12	20.3	344	213.655	0.022	0	329.788
Stage6	-16.65	336.056	117.71	UL-RL	0.12	20.3	344	217.744	0.022	0	335.453
Stage6	-17.05	342.367	119.286	UL-RL	0.12	20.3	344	221.833	0.022	0	341.119
Stage6	-17.3	346.311	120.271	UL-RL	0.12	20.3	344	224.389	0.022	0	344.66

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage6

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.35	4.733	40.36	UL-RL	0.12	20.3	344	3.067	0.022	0	43.426
Stage6	3.95	11.044	33.58	UL-RL	0.12	20.3	344	7.156	0.022	0	40.735
Stage6	3.55	17.355	32.486	UL-RL	0.12	20.3	344	11.245	0.022	0	43.731
Stage6	3.15	23.666	34.472	UL-RL	0.12	20.3	344	15.334	0.022	0	49.806
Stage6	2.75	29.977	37.364	UL-RL	0.12	20.3	344	19.423	0.022	0	56.787
Stage6	2.35	36.288	40.113	UL-RL	0.12	20.3	344	23.512	0.022	0	63.625
Stage6	1.95	42.599	42.452	UL-RL	0.12	20.3	344	27.601	0.022	0	70.053
Stage6	1.55	48.91	44.458	UL-RL	0.12	20.3	344	31.69	0.022	0	76.148
Stage6	1.15	55.22	46.276	UL-RL	0.12	20.3	344	35.78	0.022	0	82.056
Stage6	0.75	61.531	48.015	UL-RL	0.12	20.3	344	39.869	0.022	0	87.884
Stage6	0.35	67.842	49.727	UL-RL	0.12	20.3	344	43.958	0.022	0	93.684
Stage6	-0.05	74.153	51.428	UL-RL	0.12	20.3	344	48.047	0.022	0	99.475
Stage6	-0.45	80.464	53.121	UL-RL	0.12	20.3	344	52.136	0.022	0	105.257
Stage6	-0.85	86.775	54.802	UL-RL	0.12	20.3	344	56.225	0.022	0	111.027
Stage6	-1.25	93.086	56.471	UL-RL	0.12	20.3	344	60.314	0.022	0	116.786
Stage6	-1.45	96.241	57.301	UL-RL	0.12	20.3	344	62.359	0.022	0	119.66
Stage6	-1.85	102.552	58.952	UL-RL	0.12	20.3	344	66.448	0.022	0	125.4
Stage6	-2.25	108.863	60.593	UL-RL	0.12	20.3	344	70.537	0.022	0	131.13
Stage6	-2.65	115.174	62.225	UL-RL	0.12	20.3	344	74.626	0.022	0	136.851
Stage6	-3.05	121.485	63.85	UL-RL	0.12	20.3	344	78.715	0.022	0	142.564
Stage6	-3.45	127.796	65.468	UL-RL	0.12	20.3	344	82.804	0.022	0	148.272
Stage6	-3.85	134.107	67.08	UL-RL	0.12	20.3	344	86.893	0.022	0	153.974
Stage6	-4.25	140.418	68.688	UL-RL	0.12	20.3	344	90.982	0.022	0	159.67

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	-4.65	146.729	70.292	UL-RL	0.12	20.3	344	95.071	0.022	0	165.363
Stage6	-5.05	153.04	71.892	UL-RL	0.12	20.3	344	99.16	0.022	0	171.052
Stage6	-5.45	159.351	73.488	UL-RL	0.12	20.3	344	103.25	0.022	0	176.738
Stage6	-5.85	165.662	75.082	UL-RL	0.12	20.3	344	107.338	0.022	0	182.42
Stage6	-6.25	171.972	76.673	UL-RL	0.12	20.3	344	111.428	0.022	0	188.1
Stage6	-6.65	178.283	78.261	UL-RL	0.12	20.3	344	115.517	0.022	0	193.778
Stage6	-7.05	184.594	79.848	UL-RL	0.12	20.3	344	119.606	0.022	0	199.454
Stage6	-7.45	190.905	81.433	UL-RL	0.12	20.3	344	123.695	0.022	0	205.128
Stage6	-7.85	197.216	83.017	UL-RL	0.12	20.3	344	127.784	0.022	0	210.801
Stage6	-8.25	203.527	84.599	UL-RL	0.12	20.3	344	131.873	0.022	0	216.472
Stage6	-8.65	209.838	86.18	UL-RL	0.12	20.3	344	135.962	0.022	0	222.142
Stage6	-9.05	216.149	87.76	UL-RL	0.12	20.3	344	140.051	0.022	0	227.811
Stage6	-9.45	222.46	89.339	UL-RL	0.12	20.3	344	144.14	0.022	0	233.479
Stage6	-9.85	228.771	90.917	UL-RL	0.12	20.3	344	148.229	0.022	0	239.147
Stage6	-10.25	235.082	92.495	UL-RL	0.12	20.3	344	152.318	0.022	0	244.813
Stage6	-10.65	241.392	94.072	UL-RL	0.12	20.3	344	156.408	0.022	0	250.48
Stage6	-11.05	247.703	95.649	UL-RL	0.12	20.3	344	160.497	0.022	0	256.145
Stage6	-11.45	254.014	97.225	UL-RL	0.12	20.3	344	164.586	0.022	0	261.811
Stage6	-11.85	260.325	98.801	UL-RL	0.12	20.3	344	168.675	0.022	0	267.476
Stage6	-12.25	266.636	100.377	UL-RL	0.12	20.3	344	172.764	0.022	0	273.141
Stage6	-12.65	272.947	101.952	UL-RL	0.12	20.3	344	176.853	0.022	0	278.806
Stage6	-13.05	279.258	103.528	UL-RL	0.12	20.3	344	180.942	0.022	0	284.47
Stage6	-13.45	285.569	105.104	UL-RL	0.12	20.3	344	185.031	0.022	0	290.135
Stage6	-13.85	291.88	106.679	UL-RL	0.12	20.3	344	189.12	0.022	0	295.799
Stage6	-14.25	298.191	108.254	UL-RL	0.12	20.3	344	193.209	0.022	0	301.464
Stage6	-14.65	304.501	109.83	UL-RL	0.12	20.3	344	197.298	0.022	0	307.128
Stage6	-15.05	310.812	111.406	UL-RL	0.12	20.3	344	201.387	0.022	0	312.793
Stage6	-15.45	317.123	112.981	UL-RL	0.12	20.3	344	205.476	0.022	0	318.458
Stage6	-15.85	323.434	114.557	UL-RL	0.12	20.3	344	209.566	0.022	0	324.123
Stage6	-16.25	329.745	116.133	UL-RL	0.12	20.3	344	213.655	0.022	0	329.788
Stage6	-16.65	336.056	117.71	UL-RL	0.12	20.3	344	217.744	0.022	0	335.453
Stage6	-17.05	342.367	119.286	UL-RL	0.12	20.3	344	221.833	0.022	0	341.119
Stage6	-17.3	346.311	120.271	UL-RL	0.12	20.3	344	224.389	0.022	0	344.66

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	15.7	0	10.412	UL-RL	0.3613.222	14	0	0	0	10.412
Stage6	15.35	16.25	4.374	UL-RL	0.3613.222	14	0	0	0	4.374
Stage6	14.95	27.419	0.602	UL-RL	0.3613.222	14	0	0	0	0.602
Stage6	14.55	36.919	1.241	UL-RL	0.3613.222	14	0	0	0	1.241
Stage6	14.15	45.605	1.895	UL-RL	0.3613.222	14	0	0	0	1.895
Stage6	13.75	54.185	5.293	UL-RL	0.3613.222	14	0	0	0	5.293
Stage6	13.35	62.878	9.072	UL-RL	0.3613.222	14	0	0	0	9.072
Stage6	12.95	71.384	12.719	UL-RL	0.3613.222	14	0	0	0	12.719
Stage6	12.55	79.768	16.178	UL-RL	0.3613.222	14	0	0	0	16.178
Stage6	12.15	86.949	18.952	UL-RL	0.3613.222	14	0	0	0	18.952
Stage6	11.75	94.503	21.46	UL-RL	0.3613.222	14	0	0	0	21.46
Stage6	11.35	102.304	23.472	UL-RL	0.3613.222	14	0	0	0	23.472
Stage6	10.95	110.135	24.688	UL-RL	0.3613.222	14	0	0	0	24.688
Stage6	10.55	117.989	26.474	UL-RL	0.3613.222	14	0	0	0	26.474
Stage6	10.15	125.863	28.613	ACTIVE	0.3613.222	14	0	0	0	28.613
Stage6	9.95	130.116	30.148	UL-RL	0.3613.222	14	0	0	0	30.148
Stage6	9.55	137.993	32.992	UL-RL	0.3613.222	14	0	0	0	32.992
Stage6	9.15	145.884	36.799	UL-RL	0.3613.222	14	0	0	0	36.799
Stage6	8.75	154.087	0	UL-RL	0.12 20.3	344	0	0	0	0
Stage6	8.35	164.399	0	UL-RL	0.12 20.3	344	0	0	0	0
Stage6	7.95	174.72	0	UL-RL	0.12 20.3	344	0	0	0	0
Stage6	7.55	185.049	0	ACTIVE	0.12 20.3	344	0	0	0	0
Stage6	7.15	195.384	0	ACTIVE	0.12 20.3	344	0	0	0	0
Stage6	6.75	205.724	0	ACTIVE	0.12 20.3	344	0	0	0	0
Stage6	6.35	216.069	0	ACTIVE	0.12 20.3	344	0	0	0	0
Stage6	5.95	226.418	0	ACTIVE	0.12 20.3	344	0	0	0	0
Stage6	5.55	236.151	0	ACTIVE	0.12 20.3	344	0.978	0.022	0	0.978
Stage6	5.15	242.584	0	ACTIVE	0.12 20.3	344	4.889	0.022	0	4.889
Stage6	4.75	249.02	0	ACTIVE	0.12 20.3	344	8.8	0.022	0	8.8
Stage6	4.35	255.46	0	ACTIVE	0.12 20.3	344	12.71	0.022	0	12.71
Stage6	3.95	261.904	15.492	UL-RL	0.12 20.3	344	16.621	0.022	0	32.113
Stage6	3.55	268.35	30.771	UL-RL	0.12 20.3	344	20.532	0.022	0	51.303
Stage6	3.15	274.799	34.269	UL-RL	0.12 20.3	344	24.443	0.022	0	58.712
Stage6	2.75	281.25	33.918	UL-RL	0.12 20.3	344	28.354	0.022	0	62.272
Stage6	2.35	287.704	33.546	UL-RL	0.12 20.3	344	32.265	0.022	0	65.811
Stage6	1.95	294.159	34.207	UL-RL	0.12 20.3	344	36.176	0.022	0	70.383
Stage6	1.55	300.616	35.732	UL-RL	0.12 20.3	344	40.087	0.022	0	75.819
Stage6	1.15	307.076	37.687	UL-RL	0.12 20.3	344	43.998	0.022	0	81.684
Stage6	0.75	313.78	39.752	UL-RL	0.12 20.3	344	47.909	0.022	0	87.661
Stage6	0.35	320.236	41.78	UL-RL	0.12 20.3	344	51.82	0.022	0	93.599
Stage6	-0.05	326.693	43.735	UL-RL	0.12 20.3	344	55.731	0.022	0	99.465
Stage6	-0.45	333.152	45.632	UL-RL	0.12 20.3	344	59.641	0.022	0	105.273
Stage6	-0.85	339.613	47.492	UL-RL	0.12 20.3	344	63.552	0.022	0	111.044
Stage6	-1.25	346.075	49.332	UL-RL	0.12 20.3	344	67.463	0.022	0	116.796
Stage6	-1.45	349.412	50.248	UL-RL	0.12 20.3	344	69.419	0.022	0	119.667
Stage6	-1.85	355.873	52.072	UL-RL	0.12 20.3	344	73.33	0.022	0	125.402
Stage6	-2.25	362.336	53.889	UL-RL	0.12 20.3	344	77.241	0.022	0	131.13
Stage6	-2.65	368.799	55.699	UL-RL	0.12 20.3	344	81.151	0.022	0	136.85
Stage6	-3.05	375.264	57.502	UL-RL	0.12 20.3	344	85.062	0.022	0	142.564
Stage6	-3.45	381.73	59.298	UL-RL	0.12 20.3	344	88.973	0.022	0	148.272
Stage6	-3.85	388.196	61.089	UL-RL	0.12 20.3	344	92.884	0.022	0	153.974
Stage6	-4.25	394.664	62.876	UL-RL	0.12 20.3	344	96.795	0.022	0	159.671
Stage6	-4.65	401.132	64.657	UL-RL	0.12 20.3	344	100.706	0.022	0	165.363
Stage6	-5.05	407.601	66.435	UL-RL	0.12 20.3	344	104.617	0.022	0	171.052
Stage6	-5.45	414.071	68.21	UL-RL	0.12 20.3	344	108.528	0.022	0	176.738

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT				
				Stato	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	-5.85	420.541	69.982	UL-RL	UL-RL	0.12	20.3	344	112.439	0.022	0	182.42
Stage6	-6.25	427.179	71.751	UL-RL	UL-RL	0.12	20.3	344	116.35	0.022	0	188.1
Stage6	-6.65	433.648	73.518	UL-RL	UL-RL	0.12	20.3	344	120.261	0.022	0	193.778
Stage6	-7.05	440.118	75.283	UL-RL	UL-RL	0.12	20.3	344	124.172	0.022	0	199.454
Stage6	-7.45	446.588	77.046	UL-RL	UL-RL	0.12	20.3	344	128.082	0.022	0	205.128
Stage6	-7.85	453.059	78.807	UL-RL	UL-RL	0.12	20.3	344	131.993	0.022	0	210.801
Stage6	-8.25	459.53	80.568	UL-RL	UL-RL	0.12	20.3	344	135.904	0.022	0	216.472
Stage6	-8.65	466.002	82.327	UL-RL	UL-RL	0.12	20.3	344	139.815	0.022	0	222.142
Stage6	-9.05	472.475	84.085	UL-RL	UL-RL	0.12	20.3	344	143.726	0.022	0	227.811
Stage6	-9.45	478.948	85.842	UL-RL	UL-RL	0.12	20.3	344	147.637	0.022	0	233.479
Stage6	-9.85	485.421	87.599	UL-RL	UL-RL	0.12	20.3	344	151.548	0.022	0	239.147
Stage6	-10.25	491.895	89.355	UL-RL	UL-RL	0.12	20.3	344	155.459	0.022	0	244.813
Stage6	-10.65	498.37	91.11	UL-RL	UL-RL	0.12	20.3	344	159.37	0.022	0	250.48
Stage6	-11.05	504.982	92.865	UL-RL	UL-RL	0.12	20.3	344	163.281	0.022	0	256.145
Stage6	-11.45	511.455	94.619	UL-RL	UL-RL	0.12	20.3	344	167.192	0.022	0	261.811
Stage6	-11.85	517.929	96.373	UL-RL	UL-RL	0.12	20.3	344	171.102	0.022	0	267.476
Stage6	-12.25	524.403	98.127	UL-RL	UL-RL	0.12	20.3	344	175.013	0.022	0	273.141
Stage6	-12.65	530.878	99.881	UL-RL	UL-RL	0.12	20.3	344	178.924	0.022	0	278.806
Stage6	-13.05	537.353	101.635	UL-RL	UL-RL	0.12	20.3	344	182.835	0.022	0	284.47
Stage6	-13.45	543.828	103.389	UL-RL	UL-RL	0.12	20.3	344	186.746	0.022	0	290.135
Stage6	-13.85	550.304	105.142	UL-RL	UL-RL	0.12	20.3	344	190.657	0.022	0	295.799
Stage6	-14.25	556.78	106.896	UL-RL	UL-RL	0.12	20.3	344	194.568	0.022	0	301.464
Stage6	-14.65	563.256	108.65	UL-RL	UL-RL	0.12	20.3	344	198.479	0.022	0	307.128
Stage6	-15.05	569.733	110.403	UL-RL	UL-RL	0.12	20.3	344	202.39	0.022	0	312.793
Stage6	-15.45	576.328	112.157	UL-RL	UL-RL	0.12	20.3	344	206.301	0.022	0	318.458
Stage6	-15.85	582.804	113.911	UL-RL	UL-RL	0.12	20.3	344	210.212	0.022	0	324.123
Stage6	-16.25	589.28	115.665	UL-RL	UL-RL	0.12	20.3	344	214.122	0.022	0	329.788
Stage6	-16.65	595.757	117.42	UL-RL	UL-RL	0.12	20.3	344	218.033	0.022	0	335.453
Stage6	-17.05	602.234	119.175	UL-RL	UL-RL	0.12	20.3	344	221.944	0.022	0	341.119
Stage6	-17.3	606.324	120.272	UL-RL	UL-RL	0.12	20.3	344	224.389	0.022	0	344.661

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage7

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	0	10.412
Stage7	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	0	4.374
Stage7	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0	0.602
Stage7	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	0	1.242
Stage7	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	0	1.896
Stage7	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	0	5.293
Stage7	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	0	9.073
Stage7	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	0	12.72
Stage7	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	0	16.179
Stage7	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	0	18.953
Stage7	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	0	21.461
Stage7	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	0	23.473
Stage7	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	0	24.687
Stage7	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	0	26.473
Stage7	10.15	125.863	28.613	ACTIVE	0.361	3.222	14	0	0	0	28.613
Stage7	9.95	130.116	30.148	UL-RL	0.361	3.222	14	0	0	0	30.148
Stage7	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	0	32.992
Stage7	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	0	36.793
Stage7	8.75	154.087	0.023	UL-RL	0.12	20.3	344	0	0	0	0.023
Stage7	8.35	164.399	0.109	UL-RL	0.12	20.3	344	0	0	0	0.109
Stage7	7.95	174.72	0.272	UL-RL	0.12	20.3	344	0	0	0	0.272
Stage7	7.55	185.049	0.466	UL-RL	0.12	20.3	344	0	0	0	0.466
Stage7	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0	0.831
Stage7	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	0	1.061
Stage7	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0	0.545
Stage7	5.95	226.418	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage7	5.55	237.129	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage7	5.15	247.472	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage7	4.75	257.82	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage7	4.35	268.171	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage7	3.95	278.525	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage7	3.55	288.882	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage7	3.15	299.242	2.047	UL-RL	0.12	20.3	344	0	0	0	2.047
Stage7	2.75	309.604	2.79	UL-RL	0.12	20.3	344	0	0	0	2.79
Stage7	2.35	319.969	0.782	UL-RL	0.12	20.3	344	0	0	0	0.782
Stage7	1.95	330.335	0.029	UL-RL	0.12	20.3	344	0	0	0	0.029
Stage7	1.55	340.703	0.035	UL-RL	0.12	20.3	344	0	0	0	0.035
Stage7	1.15	351.073	0.037	UL-RL	0.12	20.3	344	0	0	0	0.037
Stage7	0.75	361.689	0.036	UL-RL	0.12	20.3	344	0	0	0	0.036
Stage7	0.35	372.056	0.033	UL-RL	0.12	20.3	344	0	0	0	0.033
Stage7	-0.05	382.424	0.028	UL-RL	0.12	20.3	344	0	0	0	0.028
Stage7	-0.45	392.794	0.022	UL-RL	0.12	20.3	344	0	0	0	0.022
Stage7	-0.85	403.165	0.016	UL-RL	0.12	20.3	344	0	0	0	0.016
Stage7	-1.25	410.632	0.01	UL-RL	0.12	20.3	344	2.905	0.032	0	2.915
Stage7	-1.45	413.988	0.007	UL-RL	0.12	20.3	344	4.842	0.032	0	4.85
Stage7	-1.85	420.487	4.82	UL-RL	0.12	20.3	344	8.716	0.032	0	13.536
Stage7	-2.25	426.986	18.192	UL-RL	0.12	20.3	344	12.59	0.032	0	30.782
Stage7	-2.65	433.487	29.233	UL-RL	0.12	20.3	344	16.464	0.032	0	45.696
Stage7	-3.05	439.989	36.565	UL-RL	0.12	20.3	344	20.338	0.032	0	56.902
Stage7	-3.45	446.492	41.026	UL-RL	0.12	20.3	344	24.211	0.032	0	65.237
Stage7	-3.85	452.995	43.884	UL-RL	0.12	20.3	344	28.085	0.032	0	71.97
Stage7	-4.25	459.5	46.091	UL-RL	0.12	20.3	344	31.959	0.032	0	78.05

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Ka	Lato LEFT	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	-4.65	466.005	48.154	UL-RL	0.12	20.3	344	35.833	0.032	0	83.987	
Stage7	-5.05	472.511	50.259	UL-RL	0.12	20.3	344	39.707	0.032	0	89.965	
Stage7	-5.45	479.018	52.426	UL-RL	0.12	20.3	344	43.58	0.032	0	96.006	
Stage7	-5.85	485.526	54.621	UL-RL	0.12	20.3	344	47.454	0.032	0	102.075	
Stage7	-6.25	492.201	56.807	UL-RL	0.12	20.3	344	51.328	0.032	0	108.136	
Stage7	-6.65	498.706	58.964	UL-RL	0.12	20.3	344	55.202	0.032	0	114.166	
Stage7	-7.05	505.213	61.085	UL-RL	0.12	20.3	344	59.076	0.032	0	120.161	
Stage7	-7.45	511.721	63.173	UL-RL	0.12	20.3	344	62.95	0.032	0	126.122	
Stage7	-7.85	518.229	65.232	UL-RL	0.12	20.3	344	66.823	0.032	0	132.055	
Stage7	-8.25	524.737	67.268	UL-RL	0.12	20.3	344	70.697	0.032	0	137.965	
Stage7	-8.65	531.246	69.285	UL-RL	0.12	20.3	344	74.571	0.032	0	143.856	
Stage7	-9.05	537.756	71.286	UL-RL	0.12	20.3	344	78.445	0.032	0	149.731	
Stage7	-9.45	544.266	73.274	UL-RL	0.12	20.3	344	82.319	0.032	0	155.592	
Stage7	-9.85	550.777	75.248	UL-RL	0.12	20.3	344	86.192	0.032	0	161.441	
Stage7	-10.25	557.288	77.212	UL-RL	0.12	20.3	344	90.066	0.032	0	167.278	
Stage7	-10.65	563.799	79.166	UL-RL	0.12	20.3	344	93.94	0.032	0	173.106	
Stage7	-11.05	570.448	81.11	UL-RL	0.12	20.3	344	97.814	0.032	0	178.924	
Stage7	-11.45	576.959	83.046	UL-RL	0.12	20.3	344	101.688	0.032	0	184.734	
Stage7	-11.85	583.47	84.975	UL-RL	0.12	20.3	344	105.562	0.032	0	190.536	
Stage7	-12.25	589.981	86.897	UL-RL	0.12	20.3	344	109.435	0.032	0	196.332	
Stage7	-12.65	596.493	88.812	UL-RL	0.12	20.3	344	113.309	0.032	0	202.122	
Stage7	-13.05	603.005	90.722	UL-RL	0.12	20.3	344	117.183	0.032	0	207.906	
Stage7	-13.45	609.518	92.627	UL-RL	0.12	20.3	344	121.057	0.032	0	213.684	
Stage7	-13.85	616.03	94.527	UL-RL	0.12	20.3	344	124.931	0.032	0	219.458	
Stage7	-14.25	622.544	96.423	UL-RL	0.12	20.3	344	128.804	0.032	0	225.228	
Stage7	-14.65	629.057	98.315	UL-RL	0.12	20.3	344	132.678	0.032	0	230.993	
Stage7	-15.05	635.571	100.203	UL-RL	0.12	20.3	344	136.552	0.032	0	236.755	
Stage7	-15.45	642.203	102.087	UL-RL	0.12	20.3	344	140.426	0.032	0	242.513	
Stage7	-15.85	648.716	103.969	UL-RL	0.12	20.3	344	144.3	0.032	0	248.268	
Stage7	-16.25	655.229	105.847	UL-RL	0.12	20.3	344	148.173	0.032	0	254.02	
Stage7	-16.65	661.743	107.724	UL-RL	0.12	20.3	344	152.047	0.032	0	259.771	
Stage7	-17.05	668.257	109.599	UL-RL	0.12	20.3	344	155.921	0.032	0	265.52	
Stage7	-17.3	672.37	110.772	UL-RL	0.12	20.3	344	158.342	0.032	0	269.114	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-2.25	4.705	42.537	UL-RL	0.12	20.3	344	3.095	0.032	0	45.631
Stage7	-2.65	10.979	44.421	UL-RL	0.12	20.3	344	7.221	0.032	0	51.641
Stage7	-3.05	17.253	46.289	UL-RL	0.12	20.3	344	11.347	0.032	0	57.636
Stage7	-3.45	23.527	48.526	UL-RL	0.12	20.3	344	15.473	0.032	0	63.999
Stage7	-3.85	29.801	50.951	UL-RL	0.12	20.3	344	19.599	0.032	0	70.55
Stage7	-4.25	36.074	53.367	UL-RL	0.12	20.3	344	23.726	0.032	0	77.093
Stage7	-4.65	42.348	55.675	UL-RL	0.12	20.3	344	27.852	0.032	0	83.526
Stage7	-5.05	48.622	57.851	UL-RL	0.12	20.3	344	31.978	0.032	0	89.829
Stage7	-5.45	54.896	59.917	UL-RL	0.12	20.3	344	36.104	0.032	0	96.021

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	RIGHT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	-5.85	61.17	61.899	UL-RL	UL-RL	0.12	20.3	344	40.23	0.032	0	102.13	
Stage7	-6.25	67.444	63.824	UL-RL	UL-RL	0.12	20.3	344	44.356	0.032	0	108.181	
Stage7	-6.65	73.717	65.708	UL-RL	UL-RL	0.12	20.3	344	48.483	0.032	0	114.19	
Stage7	-7.05	79.991	67.56	UL-RL	UL-RL	0.12	20.3	344	52.609	0.032	0	120.169	
Stage7	-7.45	86.265	69.386	UL-RL	UL-RL	0.12	20.3	344	56.735	0.032	0	126.122	
Stage7	-7.85	92.539	71.19	UL-RL	UL-RL	0.12	20.3	344	60.861	0.032	0	132.052	
Stage7	-8.25	98.813	72.974	UL-RL	UL-RL	0.12	20.3	344	64.987	0.032	0	137.962	
Stage7	-8.65	105.086	74.74	UL-RL	UL-RL	0.12	20.3	344	69.114	0.032	0	143.854	
Stage7	-9.05	111.36	76.49	UL-RL	UL-RL	0.12	20.3	344	73.24	0.032	0	149.73	
Stage7	-9.45	117.634	78.225	UL-RL	UL-RL	0.12	20.3	344	77.366	0.032	0	155.591	
Stage7	-9.85	123.908	79.948	UL-RL	UL-RL	0.12	20.3	344	81.492	0.032	0	161.44	
Stage7	-10.25	130.182	81.66	UL-RL	UL-RL	0.12	20.3	344	85.618	0.032	0	167.278	
Stage7	-10.65	136.456	83.361	UL-RL	UL-RL	0.12	20.3	344	89.744	0.032	0	173.105	
Stage7	-11.05	142.729	85.053	UL-RL	UL-RL	0.12	20.3	344	93.871	0.032	0	178.924	
Stage7	-11.45	149.003	86.737	UL-RL	UL-RL	0.12	20.3	344	97.997	0.032	0	184.734	
Stage7	-11.85	155.277	88.413	UL-RL	UL-RL	0.12	20.3	344	102.123	0.032	0	190.536	
Stage7	-12.25	161.551	90.083	UL-RL	UL-RL	0.12	20.3	344	106.249	0.032	0	196.332	
Stage7	-12.65	167.825	91.746	UL-RL	UL-RL	0.12	20.3	344	110.375	0.032	0	202.121	
Stage7	-13.05	174.098	93.404	UL-RL	UL-RL	0.12	20.3	344	114.502	0.032	0	207.905	
Stage7	-13.45	180.372	95.056	UL-RL	UL-RL	0.12	20.3	344	118.628	0.032	0	213.684	
Stage7	-13.85	186.646	96.704	UL-RL	UL-RL	0.12	20.3	344	122.754	0.032	0	219.458	
Stage7	-14.25	192.92	98.347	UL-RL	UL-RL	0.12	20.3	344	126.88	0.032	0	225.228	
Stage7	-14.65	199.194	99.987	UL-RL	UL-RL	0.12	20.3	344	131.006	0.032	0	230.993	
Stage7	-15.05	205.467	101.623	UL-RL	UL-RL	0.12	20.3	344	135.132	0.032	0	236.755	
Stage7	-15.45	211.741	103.255	UL-RL	UL-RL	0.12	20.3	344	139.259	0.032	0	242.514	
Stage7	-15.85	218.015	104.884	UL-RL	UL-RL	0.12	20.3	344	143.385	0.032	0	248.269	
Stage7	-16.25	224.289	106.511	UL-RL	UL-RL	0.12	20.3	344	147.511	0.032	0	254.022	
Stage7	-16.65	230.563	108.134	UL-RL	UL-RL	0.12	20.3	344	151.637	0.032	0	259.771	
Stage7	-17.05	236.836	109.755	UL-RL	UL-RL	0.12	20.3	344	155.763	0.032	0	265.518	
Stage7	-17.3	240.758	110.766	UL-RL	UL-RL	0.12	20.3	344	158.342	0.032	0	269.108	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage7

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato LEFT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp					
Stage7	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-2.25	4.705	42.537	UL-RL	0.12	20.3	344	3.095	0.032	0	45.631
Stage7	-2.65	10.979	44.421	UL-RL	0.12	20.3	344	7.221	0.032	0	51.641
Stage7	-3.05	17.253	46.289	UL-RL	0.12	20.3	344	11.347	0.032	0	57.636
Stage7	-3.45	23.527	48.526	UL-RL	0.12	20.3	344	15.473	0.032	0	63.999
Stage7	-3.85	29.801	50.951	UL-RL	0.12	20.3	344	19.599	0.032	0	70.55
Stage7	-4.25	36.074	53.367	UL-RL	0.12	20.3	344	23.726	0.032	0	77.093

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT	Stato	Lato	LEFT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	-4.65	42.348	55.675	UL-RL	UL-RL	0.12	20.3	344	27.852	0.032	0	83.526	
Stage7	-5.05	48.622	57.851	UL-RL	UL-RL	0.12	20.3	344	31.978	0.032	0	89.829	
Stage7	-5.45	54.896	59.917	UL-RL	UL-RL	0.12	20.3	344	36.104	0.032	0	96.021	
Stage7	-5.85	61.17	61.899	UL-RL	UL-RL	0.12	20.3	344	40.23	0.032	0	102.13	
Stage7	-6.25	67.444	63.824	UL-RL	UL-RL	0.12	20.3	344	44.356	0.032	0	108.181	
Stage7	-6.65	73.717	65.708	UL-RL	UL-RL	0.12	20.3	344	48.483	0.032	0	114.19	
Stage7	-7.05	79.991	67.56	UL-RL	UL-RL	0.12	20.3	344	52.609	0.032	0	120.169	
Stage7	-7.45	86.265	69.386	UL-RL	UL-RL	0.12	20.3	344	56.735	0.032	0	126.122	
Stage7	-7.85	92.539	71.19	UL-RL	UL-RL	0.12	20.3	344	60.861	0.032	0	132.052	
Stage7	-8.25	98.813	72.974	UL-RL	UL-RL	0.12	20.3	344	64.987	0.032	0	137.962	
Stage7	-8.65	105.086	74.74	UL-RL	UL-RL	0.12	20.3	344	69.114	0.032	0	143.854	
Stage7	-9.05	111.36	76.49	UL-RL	UL-RL	0.12	20.3	344	73.24	0.032	0	149.73	
Stage7	-9.45	117.634	78.225	UL-RL	UL-RL	0.12	20.3	344	77.366	0.032	0	155.591	
Stage7	-9.85	123.908	79.948	UL-RL	UL-RL	0.12	20.3	344	81.492	0.032	0	161.44	
Stage7	-10.25	130.182	81.66	UL-RL	UL-RL	0.12	20.3	344	85.618	0.032	0	167.278	
Stage7	-10.65	136.456	83.361	UL-RL	UL-RL	0.12	20.3	344	89.744	0.032	0	173.105	
Stage7	-11.05	142.729	85.053	UL-RL	UL-RL	0.12	20.3	344	93.871	0.032	0	178.924	
Stage7	-11.45	149.003	86.737	UL-RL	UL-RL	0.12	20.3	344	97.997	0.032	0	184.734	
Stage7	-11.85	155.277	88.413	UL-RL	UL-RL	0.12	20.3	344	102.123	0.032	0	190.536	
Stage7	-12.25	161.551	90.083	UL-RL	UL-RL	0.12	20.3	344	106.249	0.032	0	196.332	
Stage7	-12.65	167.825	91.746	UL-RL	UL-RL	0.12	20.3	344	110.375	0.032	0	202.121	
Stage7	-13.05	174.098	93.404	UL-RL	UL-RL	0.12	20.3	344	114.502	0.032	0	207.905	
Stage7	-13.45	180.372	95.056	UL-RL	UL-RL	0.12	20.3	344	118.628	0.032	0	213.684	
Stage7	-13.85	186.646	96.704	UL-RL	UL-RL	0.12	20.3	344	122.754	0.032	0	219.458	
Stage7	-14.25	192.92	98.347	UL-RL	UL-RL	0.12	20.3	344	126.88	0.032	0	225.228	
Stage7	-14.65	199.194	99.987	UL-RL	UL-RL	0.12	20.3	344	131.006	0.032	0	230.993	
Stage7	-15.05	205.467	101.623	UL-RL	UL-RL	0.12	20.3	344	135.132	0.032	0	236.755	
Stage7	-15.45	211.741	103.255	UL-RL	UL-RL	0.12	20.3	344	139.259	0.032	0	242.514	
Stage7	-15.85	218.015	104.884	UL-RL	UL-RL	0.12	20.3	344	143.385	0.032	0	248.269	
Stage7	-16.25	224.289	106.511	UL-RL	UL-RL	0.12	20.3	344	147.511	0.032	0	254.022	
Stage7	-16.65	230.563	108.134	UL-RL	UL-RL	0.12	20.3	344	151.637	0.032	0	259.771	
Stage7	-17.05	236.836	109.755	UL-RL	UL-RL	0.12	20.3	344	155.763	0.032	0	265.518	
Stage7	-17.3	240.758	110.766	UL-RL	UL-RL	0.12	20.3	344	158.342	0.032	0	269.108	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	10.412
Stage7	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	4.374
Stage7	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0.602
Stage7	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	1.242
Stage7	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	1.896
Stage7	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	5.293
Stage7	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	9.073
Stage7	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	12.72
Stage7	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	16.179
Stage7	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	18.953
Stage7	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	21.461
Stage7	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	23.473
Stage7	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	24.687
Stage7	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	26.473
Stage7	10.15	125.863	28.613	ACTIVE	0.361	3.222	14	0	0	28.613
Stage7	9.95	130.116	30.148	UL-RL	0.361	3.222	14	0	0	30.148
Stage7	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	32.992
Stage7	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	36.793
Stage7	8.75	154.087	0.023	UL-RL	0.12	20.3	344	0	0	0.023
Stage7	8.35	164.399	0.109	UL-RL	0.12	20.3	344	0	0	0.109
Stage7	7.95	174.72	0.272	UL-RL	0.12	20.3	344	0	0	0.272
Stage7	7.55	185.049	0.466	UL-RL	0.12	20.3	344	0	0	0.466
Stage7	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0.831
Stage7	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	1.061
Stage7	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0.545
Stage7	5.95	226.418	0	ACTIVE	0.12	20.3	344	0	0	0
Stage7	5.55	237.129	0	ACTIVE	0.12	20.3	344	0	0	0
Stage7	5.15	247.472	0	ACTIVE	0.12	20.3	344	0	0	0
Stage7	4.75	257.82	0	ACTIVE	0.12	20.3	344	0	0	0
Stage7	4.35	268.171	0	ACTIVE	0.12	20.3	344	0	0	0
Stage7	3.95	278.525	0	ACTIVE	0.12	20.3	344	0	0	0
Stage7	3.55	288.882	0	ACTIVE	0.12	20.3	344	0	0	0
Stage7	3.15	299.242	2.047	UL-RL	0.12	20.3	344	0	0	2.047
Stage7	2.75	309.604	2.79	UL-RL	0.12	20.3	344	0	0	2.79
Stage7	2.35	319.969	0.782	UL-RL	0.12	20.3	344	0	0	0.782
Stage7	1.95	330.335	0.029	UL-RL	0.12	20.3	344	0	0	0.029
Stage7	1.55	340.703	0.035	UL-RL	0.12	20.3	344	0	0	0.035
Stage7	1.15	351.073	0.037	UL-RL	0.12	20.3	344	0	0	0.037
Stage7	0.75	361.689	0.036	UL-RL	0.12	20.3	344	0	0	0.036
Stage7	0.35	372.056	0.033	UL-RL	0.12	20.3	344	0	0	0.033
Stage7	-0.05	382.424	0.028	UL-RL	0.12	20.3	344	0	0	0.028
Stage7	-0.45	392.794	0.022	UL-RL	0.12	20.3	344	0	0	0.022
Stage7	-0.85	403.165	0.016	UL-RL	0.12	20.3	344	0	0	0.016
Stage7	-1.25	410.632	0.01	UL-RL	0.12	20.3	344	2.905	0.032	2.915
Stage7	-1.45	413.988	0.007	UL-RL	0.12	20.3	344	4.842	0.032	4.85
Stage7	-1.85	420.487	4.82	UL-RL	0.12	20.3	344	8.716	0.032	13.536
Stage7	-2.25	426.986	18.192	UL-RL	0.12	20.3	344	12.59	0.032	30.782
Stage7	-2.65	433.487	29.233	UL-RL	0.12	20.3	344	16.464	0.032	45.696
Stage7	-3.05	439.989	36.565	UL-RL	0.12	20.3	344	20.338	0.032	56.902
Stage7	-3.45	446.492	41.026	UL-RL	0.12	20.3	344	24.211	0.032	65.237
Stage7	-3.85	452.995	43.884	UL-RL	0.12	20.3	344	28.085	0.032	71.97
Stage7	-4.25	459.5	46.091	UL-RL	0.12	20.3	344	31.959	0.032	78.05
Stage7	-4.65	466.005	48.154	UL-RL	0.12	20.3	344	35.833	0.032	83.987
Stage7	-5.05	472.511	50.259	UL-RL	0.12	20.3	344	39.707	0.032	89.965
Stage7	-5.45	479.018	52.426	UL-RL	0.12	20.3	344	43.58	0.032	96.006

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-5.85	485.526	54.621	UL-RL	0.12	20.3	344	47.454	0.032	0	102.075
Stage7	-6.25	492.201	56.807	UL-RL	0.12	20.3	344	51.328	0.032	0	108.136
Stage7	-6.65	498.706	58.964	UL-RL	0.12	20.3	344	55.202	0.032	0	114.166
Stage7	-7.05	505.213	61.085	UL-RL	0.12	20.3	344	59.076	0.032	0	120.161
Stage7	-7.45	511.721	63.173	UL-RL	0.12	20.3	344	62.95	0.032	0	126.122
Stage7	-7.85	518.229	65.232	UL-RL	0.12	20.3	344	66.823	0.032	0	132.055
Stage7	-8.25	524.737	67.268	UL-RL	0.12	20.3	344	70.697	0.032	0	137.965
Stage7	-8.65	531.246	69.285	UL-RL	0.12	20.3	344	74.571	0.032	0	143.856
Stage7	-9.05	537.756	71.286	UL-RL	0.12	20.3	344	78.445	0.032	0	149.731
Stage7	-9.45	544.266	73.274	UL-RL	0.12	20.3	344	82.319	0.032	0	155.592
Stage7	-9.85	550.777	75.248	UL-RL	0.12	20.3	344	86.192	0.032	0	161.441
Stage7	-10.25	557.288	77.212	UL-RL	0.12	20.3	344	90.066	0.032	0	167.278
Stage7	-10.65	563.799	79.166	UL-RL	0.12	20.3	344	93.94	0.032	0	173.106
Stage7	-11.05	570.448	81.11	UL-RL	0.12	20.3	344	97.814	0.032	0	178.924
Stage7	-11.45	576.959	83.046	UL-RL	0.12	20.3	344	101.688	0.032	0	184.734
Stage7	-11.85	583.47	84.975	UL-RL	0.12	20.3	344	105.562	0.032	0	190.536
Stage7	-12.25	589.981	86.897	UL-RL	0.12	20.3	344	109.435	0.032	0	196.332
Stage7	-12.65	596.493	88.812	UL-RL	0.12	20.3	344	113.309	0.032	0	202.122
Stage7	-13.05	603.005	90.722	UL-RL	0.12	20.3	344	117.183	0.032	0	207.906
Stage7	-13.45	609.518	92.627	UL-RL	0.12	20.3	344	121.057	0.032	0	213.684
Stage7	-13.85	616.03	94.527	UL-RL	0.12	20.3	344	124.931	0.032	0	219.458
Stage7	-14.25	622.544	96.423	UL-RL	0.12	20.3	344	128.804	0.032	0	225.228
Stage7	-14.65	629.057	98.315	UL-RL	0.12	20.3	344	132.678	0.032	0	230.993
Stage7	-15.05	635.571	100.203	UL-RL	0.12	20.3	344	136.552	0.032	0	236.755
Stage7	-15.45	642.203	102.087	UL-RL	0.12	20.3	344	140.426	0.032	0	242.513
Stage7	-15.85	648.716	103.969	UL-RL	0.12	20.3	344	144.3	0.032	0	248.268
Stage7	-16.25	655.229	105.847	UL-RL	0.12	20.3	344	148.173	0.032	0	254.02
Stage7	-16.65	661.743	107.724	UL-RL	0.12	20.3	344	152.047	0.032	0	259.771
Stage7	-17.05	668.257	109.599	UL-RL	0.12	20.3	344	155.921	0.032	0	265.52
Stage7	-17.3	672.37	110.772	UL-RL	0.12	20.3	344	158.342	0.032	0	269.114

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage8

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	0	10.412
Stage8	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	0	4.374
Stage8	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0	0.602
Stage8	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	0	1.242
Stage8	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	0	1.896
Stage8	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	0	5.293
Stage8	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	0	9.073
Stage8	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	0	12.72
Stage8	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	0	16.179
Stage8	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	0	18.953
Stage8	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	0	21.461
Stage8	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	0	23.473
Stage8	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	0	24.687
Stage8	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	0	26.473
Stage8	10.15	125.863	28.613	ACTIVE	0.361	3.222	14	0	0	0	28.613
Stage8	9.95	130.116	30.148	ACTIVE	0.361	3.222	14	0	0	0	30.148
Stage8	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	0	32.992
Stage8	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	0	36.793
Stage8	8.75	154.087	0.014	UL-RL	0.12	20.3	344	0	0	0	0.014
Stage8	8.35	164.399	0.103	UL-RL	0.12	20.3	344	0	0	0	0.103
Stage8	7.95	174.72	0.269	UL-RL	0.12	20.3	344	0	0	0	0.269
Stage8	7.55	185.049	0.465	UL-RL	0.12	20.3	344	0	0	0	0.465
Stage8	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0	0.831
Stage8	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	0	1.061
Stage8	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0	0.545
Stage8	5.95	226.418	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage8	5.55	237.129	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage8	5.15	247.472	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage8	4.75	257.82	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage8	4.35	268.171	0.001	UL-RL	0.12	20.3	344	0	0	0	0.001
Stage8	3.95	278.525	0.001	UL-RL	0.12	20.3	344	0	0	0	0.001
Stage8	3.55	288.882	0.001	UL-RL	0.12	20.3	344	0	0	0	0.001
Stage8	3.15	299.242	2.047	UL-RL	0.12	20.3	344	0	0	0	2.047
Stage8	2.75	309.604	2.786	UL-RL	0.12	20.3	344	0	0	0	2.786
Stage8	2.35	319.969	0.77	UL-RL	0.12	20.3	344	0	0	0	0.77
Stage8	1.95	330.335	0.008	UL-RL	0.12	20.3	344	0	0	0	0.008
Stage8	1.55	340.703	0.005	UL-RL	0.12	20.3	344	0	0	0	0.005
Stage8	1.15	351.073	0.003	UL-RL	0.12	20.3	344	0	0	0	0.003
Stage8	0.75	361.689	0.001	UL-RL	0.12	20.3	344	0	0	0	0.001
Stage8	0.35	372.056	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage8	-0.05	382.424	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage8	-0.45	392.794	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage8	-0.85	403.165	0.001	UL-RL	0.12	20.3	344	0	0	0	0.001
Stage8	-1.25	410.632	0.001	UL-RL	0.12	20.3	344	2.905	0.032	0	2.906
Stage8	-1.45	413.988	0.001	UL-RL	0.12	20.3	344	4.842	0.032	0	4.844
Stage8	-1.85	420.487	4.817	UL-RL	0.12	20.3	344	8.716	0.032	0	13.534
Stage8	-2.25	426.986	18.192	UL-RL	0.12	20.3	344	12.59	0.032	0	30.781
Stage8	-2.65	433.487	29.233	UL-RL	0.12	20.3	344	16.464	0.032	0	45.697
Stage8	-3.05	439.989	36.565	UL-RL	0.12	20.3	344	20.338	0.032	0	56.903
Stage8	-3.45	446.492	41.026	UL-RL	0.12	20.3	344	24.211	0.032	0	65.238
Stage8	-3.85	452.995	43.885	UL-RL	0.12	20.3	344	28.085	0.032	0	71.97
Stage8	-4.25	459.5	46.091	UL-RL	0.12	20.3	344	31.959	0.032	0	78.05

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-4.65	466.005	48.154	UL-RL	0.12	20.3	344	35.833	0.032	0	83.987
Stage8	-5.05	472.511	50.259	UL-RL	0.12	20.3	344	39.707	0.032	0	89.965
Stage8	-5.45	479.018	52.426	UL-RL	0.12	20.3	344	43.58	0.032	0	96.006
Stage8	-5.85	485.526	54.621	UL-RL	0.12	20.3	344	47.454	0.032	0	102.075
Stage8	-6.25	492.201	56.807	UL-RL	0.12	20.3	344	51.328	0.032	0	108.136
Stage8	-6.65	498.706	58.964	UL-RL	0.12	20.3	344	55.202	0.032	0	114.166
Stage8	-7.05	505.213	61.085	UL-RL	0.12	20.3	344	59.076	0.032	0	120.161
Stage8	-7.45	511.721	63.173	UL-RL	0.12	20.3	344	62.95	0.032	0	126.122
Stage8	-7.85	518.229	65.232	UL-RL	0.12	20.3	344	66.823	0.032	0	132.055
Stage8	-8.25	524.737	67.268	UL-RL	0.12	20.3	344	70.697	0.032	0	137.965
Stage8	-8.65	531.246	69.285	UL-RL	0.12	20.3	344	74.571	0.032	0	143.856
Stage8	-9.05	537.756	71.286	UL-RL	0.12	20.3	344	78.445	0.032	0	149.731
Stage8	-9.45	544.266	73.274	UL-RL	0.12	20.3	344	82.319	0.032	0	155.592
Stage8	-9.85	550.777	75.248	UL-RL	0.12	20.3	344	86.192	0.032	0	161.441
Stage8	-10.25	557.288	77.212	UL-RL	0.12	20.3	344	90.066	0.032	0	167.278
Stage8	-10.65	563.799	79.166	UL-RL	0.12	20.3	344	93.94	0.032	0	173.106
Stage8	-11.05	570.448	81.11	UL-RL	0.12	20.3	344	97.814	0.032	0	178.924
Stage8	-11.45	576.959	83.046	UL-RL	0.12	20.3	344	101.688	0.032	0	184.734
Stage8	-11.85	583.47	84.975	UL-RL	0.12	20.3	344	105.562	0.032	0	190.536
Stage8	-12.25	589.981	86.897	UL-RL	0.12	20.3	344	109.435	0.032	0	196.332
Stage8	-12.65	596.493	88.812	UL-RL	0.12	20.3	344	113.309	0.032	0	202.122
Stage8	-13.05	603.005	90.722	UL-RL	0.12	20.3	344	117.183	0.032	0	207.906
Stage8	-13.45	609.518	92.627	UL-RL	0.12	20.3	344	121.057	0.032	0	213.684
Stage8	-13.85	616.03	94.527	UL-RL	0.12	20.3	344	124.931	0.032	0	219.458
Stage8	-14.25	622.544	96.423	UL-RL	0.12	20.3	344	128.804	0.032	0	225.228
Stage8	-14.65	629.057	98.315	UL-RL	0.12	20.3	344	132.678	0.032	0	230.993
Stage8	-15.05	635.571	100.203	UL-RL	0.12	20.3	344	136.552	0.032	0	236.755
Stage8	-15.45	642.203	102.087	UL-RL	0.12	20.3	344	140.426	0.032	0	242.513
Stage8	-15.85	648.716	103.969	UL-RL	0.12	20.3	344	144.3	0.032	0	248.268
Stage8	-16.25	655.229	105.847	UL-RL	0.12	20.3	344	148.173	0.032	0	254.02
Stage8	-16.65	661.743	107.724	UL-RL	0.12	20.3	344	152.047	0.032	0	259.771
Stage8	-17.05	668.257	109.599	UL-RL	0.12	20.3	344	155.921	0.032	0	265.52
Stage8	-17.3	672.37	110.772	UL-RL	0.12	20.3	344	158.342	0.032	0	269.114

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-2.25	4.705	42.537	UL-RL	0.12	20.3	344	3.095	0.032	0	45.631
Stage8	-2.65	10.979	44.42	UL-RL	0.12	20.3	344	7.221	0.032	0	51.641
Stage8	-3.05	17.253	46.288	UL-RL	0.12	20.3	344	11.347	0.032	0	57.635
Stage8	-3.45	23.527	48.526	UL-RL	0.12	20.3	344	15.473	0.032	0	63.999
Stage8	-3.85	29.801	50.951	UL-RL	0.12	20.3	344	19.599	0.032	0	70.55
Stage8	-4.25	36.074	53.367	UL-RL	0.12	20.3	344	23.726	0.032	0	77.093
Stage8	-4.65	42.348	55.675	UL-RL	0.12	20.3	344	27.852	0.032	0	83.526
Stage8	-5.05	48.622	57.851	UL-RL	0.12	20.3	344	31.978	0.032	0	89.829
Stage8	-5.45	54.896	59.917	UL-RL	0.12	20.3	344	36.104	0.032	0	96.021

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-5.85	61.17	61.899	UL-RL	0.12	20.3	344	40.23	0.032	0	102.13
Stage8	-6.25	67.444	63.824	UL-RL	0.12	20.3	344	44.356	0.032	0	108.181
Stage8	-6.65	73.717	65.708	UL-RL	0.12	20.3	344	48.483	0.032	0	114.19
Stage8	-7.05	79.991	67.56	UL-RL	0.12	20.3	344	52.609	0.032	0	120.169
Stage8	-7.45	86.265	69.386	UL-RL	0.12	20.3	344	56.735	0.032	0	126.122
Stage8	-7.85	92.539	71.19	UL-RL	0.12	20.3	344	60.861	0.032	0	132.052
Stage8	-8.25	98.813	72.974	UL-RL	0.12	20.3	344	64.987	0.032	0	137.962
Stage8	-8.65	105.086	74.74	UL-RL	0.12	20.3	344	69.114	0.032	0	143.854
Stage8	-9.05	111.36	76.49	UL-RL	0.12	20.3	344	73.24	0.032	0	149.73
Stage8	-9.45	117.634	78.225	UL-RL	0.12	20.3	344	77.366	0.032	0	155.591
Stage8	-9.85	123.908	79.948	UL-RL	0.12	20.3	344	81.492	0.032	0	161.44
Stage8	-10.25	130.182	81.66	UL-RL	0.12	20.3	344	85.618	0.032	0	167.278
Stage8	-10.65	136.456	83.361	UL-RL	0.12	20.3	344	89.744	0.032	0	173.105
Stage8	-11.05	142.729	85.053	UL-RL	0.12	20.3	344	93.871	0.032	0	178.924
Stage8	-11.45	149.003	86.737	UL-RL	0.12	20.3	344	97.997	0.032	0	184.734
Stage8	-11.85	155.277	88.413	UL-RL	0.12	20.3	344	102.123	0.032	0	190.536
Stage8	-12.25	161.551	90.083	UL-RL	0.12	20.3	344	106.249	0.032	0	196.332
Stage8	-12.65	167.825	91.746	UL-RL	0.12	20.3	344	110.375	0.032	0	202.121
Stage8	-13.05	174.098	93.404	UL-RL	0.12	20.3	344	114.502	0.032	0	207.905
Stage8	-13.45	180.372	95.056	UL-RL	0.12	20.3	344	118.628	0.032	0	213.684
Stage8	-13.85	186.646	96.704	UL-RL	0.12	20.3	344	122.754	0.032	0	219.458
Stage8	-14.25	192.92	98.347	UL-RL	0.12	20.3	344	126.88	0.032	0	225.228
Stage8	-14.65	199.194	99.987	UL-RL	0.12	20.3	344	131.006	0.032	0	230.993
Stage8	-15.05	205.467	101.623	UL-RL	0.12	20.3	344	135.132	0.032	0	236.755
Stage8	-15.45	211.741	103.255	UL-RL	0.12	20.3	344	139.259	0.032	0	242.514
Stage8	-15.85	218.015	104.884	UL-RL	0.12	20.3	344	143.385	0.032	0	248.269
Stage8	-16.25	224.289	106.511	UL-RL	0.12	20.3	344	147.511	0.032	0	254.022
Stage8	-16.65	230.563	108.134	UL-RL	0.12	20.3	344	151.637	0.032	0	259.771
Stage8	-17.05	236.836	109.755	UL-RL	0.12	20.3	344	155.763	0.032	0	265.518
Stage8	-17.3	240.758	110.766	UL-RL	0.12	20.3	344	158.342	0.032	0	269.108

PROGETTO DEFINITIVO

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Tabella Risultati Terreno Rightwall - Nominal - Stage8

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro:		RIGHT		Lato		LEFT	
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-2.25	4.705	42.537	UL-RL	0.12	20.3	344	3.095	0.032	0	45.631
Stage8	-2.65	10.979	44.42	UL-RL	0.12	20.3	344	7.221	0.032	0	51.641
Stage8	-3.05	17.253	46.288	UL-RL	0.12	20.3	344	11.347	0.032	0	57.635
Stage8	-3.45	23.527	48.526	UL-RL	0.12	20.3	344	15.473	0.032	0	63.999
Stage8	-3.85	29.801	50.951	UL-RL	0.12	20.3	344	19.599	0.032	0	70.55
Stage8	-4.25	36.074	53.367	UL-RL	0.12	20.3	344	23.726	0.032	0	77.093

PROGETTO DEFINITIVO

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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT	Lato	LEFT					
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-4.65	42.348	55.675	UL-RL	0.12	20.3	344	27.852	0.032	0	83.526
Stage8	-5.05	48.622	57.851	UL-RL	0.12	20.3	344	31.978	0.032	0	89.829
Stage8	-5.45	54.896	59.917	UL-RL	0.12	20.3	344	36.104	0.032	0	96.021
Stage8	-5.85	61.17	61.899	UL-RL	0.12	20.3	344	40.23	0.032	0	102.13
Stage8	-6.25	67.444	63.824	UL-RL	0.12	20.3	344	44.356	0.032	0	108.181
Stage8	-6.65	73.717	65.708	UL-RL	0.12	20.3	344	48.483	0.032	0	114.19
Stage8	-7.05	79.991	67.56	UL-RL	0.12	20.3	344	52.609	0.032	0	120.169
Stage8	-7.45	86.265	69.386	UL-RL	0.12	20.3	344	56.735	0.032	0	126.122
Stage8	-7.85	92.539	71.19	UL-RL	0.12	20.3	344	60.861	0.032	0	132.052
Stage8	-8.25	98.813	72.974	UL-RL	0.12	20.3	344	64.987	0.032	0	137.962
Stage8	-8.65	105.086	74.74	UL-RL	0.12	20.3	344	69.114	0.032	0	143.854
Stage8	-9.05	111.36	76.49	UL-RL	0.12	20.3	344	73.24	0.032	0	149.73
Stage8	-9.45	117.634	78.225	UL-RL	0.12	20.3	344	77.366	0.032	0	155.591
Stage8	-9.85	123.908	79.948	UL-RL	0.12	20.3	344	81.492	0.032	0	161.44
Stage8	-10.25	130.182	81.66	UL-RL	0.12	20.3	344	85.618	0.032	0	167.278
Stage8	-10.65	136.456	83.361	UL-RL	0.12	20.3	344	89.744	0.032	0	173.105
Stage8	-11.05	142.729	85.053	UL-RL	0.12	20.3	344	93.871	0.032	0	178.924
Stage8	-11.45	149.003	86.737	UL-RL	0.12	20.3	344	97.997	0.032	0	184.734
Stage8	-11.85	155.277	88.413	UL-RL	0.12	20.3	344	102.123	0.032	0	190.536
Stage8	-12.25	161.551	90.083	UL-RL	0.12	20.3	344	106.249	0.032	0	196.332
Stage8	-12.65	167.825	91.746	UL-RL	0.12	20.3	344	110.375	0.032	0	202.121
Stage8	-13.05	174.098	93.404	UL-RL	0.12	20.3	344	114.502	0.032	0	207.905
Stage8	-13.45	180.372	95.056	UL-RL	0.12	20.3	344	118.628	0.032	0	213.684
Stage8	-13.85	186.646	96.704	UL-RL	0.12	20.3	344	122.754	0.032	0	219.458
Stage8	-14.25	192.92	98.347	UL-RL	0.12	20.3	344	126.88	0.032	0	225.228
Stage8	-14.65	199.194	99.987	UL-RL	0.12	20.3	344	131.006	0.032	0	230.993
Stage8	-15.05	205.467	101.623	UL-RL	0.12	20.3	344	135.132	0.032	0	236.755
Stage8	-15.45	211.741	103.255	UL-RL	0.12	20.3	344	139.259	0.032	0	242.514
Stage8	-15.85	218.015	104.884	UL-RL	0.12	20.3	344	143.385	0.032	0	248.269
Stage8	-16.25	224.289	106.511	UL-RL	0.12	20.3	344	147.511	0.032	0	254.022
Stage8	-16.65	230.563	108.134	UL-RL	0.12	20.3	344	151.637	0.032	0	259.771
Stage8	-17.05	236.836	109.755	UL-RL	0.12	20.3	344	155.763	0.032	0	265.518
Stage8	-17.3	240.758	110.766	UL-RL	0.12	20.3	344	158.342	0.032	0	269.108

PROGETTO DEFINITIVO

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IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage8	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	10.412
Stage8	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	4.374
Stage8	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0.602
Stage8	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	1.242
Stage8	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	1.896
Stage8	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	5.293
Stage8	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	9.073
Stage8	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	12.72
Stage8	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	16.179
Stage8	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	18.953
Stage8	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	21.461
Stage8	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	23.473
Stage8	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	24.687
Stage8	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	26.473
Stage8	10.15	125.863	28.613	ACTIVE	0.361	3.222	14	0	0	28.613
Stage8	9.95	130.116	30.148	ACTIVE	0.361	3.222	14	0	0	30.148
Stage8	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	32.992
Stage8	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	36.793
Stage8	8.75	154.087	0.014	UL-RL	0.12	20.3	344	0	0	0.014
Stage8	8.35	164.399	0.103	UL-RL	0.12	20.3	344	0	0	0.103
Stage8	7.95	174.72	0.269	UL-RL	0.12	20.3	344	0	0	0.269
Stage8	7.55	185.049	0.465	UL-RL	0.12	20.3	344	0	0	0.465
Stage8	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0.831
Stage8	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	1.061
Stage8	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0.545
Stage8	5.95	226.418	0	UL-RL	0.12	20.3	344	0	0	0
Stage8	5.55	237.129	0	UL-RL	0.12	20.3	344	0	0	0
Stage8	5.15	247.472	0	UL-RL	0.12	20.3	344	0	0	0
Stage8	4.75	257.82	0	UL-RL	0.12	20.3	344	0	0	0
Stage8	4.35	268.171	0.001	UL-RL	0.12	20.3	344	0	0	0.001
Stage8	3.95	278.525	0.001	UL-RL	0.12	20.3	344	0	0	0.001
Stage8	3.55	288.882	0.001	UL-RL	0.12	20.3	344	0	0	0.001
Stage8	3.15	299.242	2.047	UL-RL	0.12	20.3	344	0	0	2.047
Stage8	2.75	309.604	2.786	UL-RL	0.12	20.3	344	0	0	2.786
Stage8	2.35	319.969	0.77	UL-RL	0.12	20.3	344	0	0	0.77
Stage8	1.95	330.335	0.008	UL-RL	0.12	20.3	344	0	0	0.008
Stage8	1.55	340.703	0.005	UL-RL	0.12	20.3	344	0	0	0.005
Stage8	1.15	351.073	0.003	UL-RL	0.12	20.3	344	0	0	0.003
Stage8	0.75	361.689	0.001	UL-RL	0.12	20.3	344	0	0	0.001
Stage8	0.35	372.056	0	ACTIVE	0.12	20.3	344	0	0	0
Stage8	-0.05	382.424	0	ACTIVE	0.12	20.3	344	0	0	0
Stage8	-0.45	392.794	0	UL-RL	0.12	20.3	344	0	0	0
Stage8	-0.85	403.165	0.001	UL-RL	0.12	20.3	344	0	0	0.001
Stage8	-1.25	410.632	0.001	UL-RL	0.12	20.3	344	2.905	0.032	2.906
Stage8	-1.45	413.988	0.001	UL-RL	0.12	20.3	344	4.842	0.032	4.844
Stage8	-1.85	420.487	4.817	UL-RL	0.12	20.3	344	8.716	0.032	13.534
Stage8	-2.25	426.986	18.192	UL-RL	0.12	20.3	344	12.59	0.032	30.781
Stage8	-2.65	433.487	29.233	UL-RL	0.12	20.3	344	16.464	0.032	45.697
Stage8	-3.05	439.989	36.565	UL-RL	0.12	20.3	344	20.338	0.032	56.903
Stage8	-3.45	446.492	41.026	UL-RL	0.12	20.3	344	24.211	0.032	65.238
Stage8	-3.85	452.995	43.885	UL-RL	0.12	20.3	344	28.085	0.032	71.97
Stage8	-4.25	459.5	46.091	UL-RL	0.12	20.3	344	31.959	0.032	78.05
Stage8	-4.65	466.005	48.154	UL-RL	0.12	20.3	344	35.833	0.032	83.987
Stage8	-5.05	472.511	50.259	UL-RL	0.12	20.3	344	39.707	0.032	89.965
Stage8	-5.45	479.018	52.426	UL-RL	0.12	20.3	344	43.58	0.032	96.006

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato		Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage8	-5.85	485.526	54.621	UL-RL	0.12	20.3	344	47.454	0.032	0	102.075
Stage8	-6.25	492.201	56.807	UL-RL	0.12	20.3	344	51.328	0.032	0	108.136
Stage8	-6.65	498.706	58.964	UL-RL	0.12	20.3	344	55.202	0.032	0	114.166
Stage8	-7.05	505.213	61.085	UL-RL	0.12	20.3	344	59.076	0.032	0	120.161
Stage8	-7.45	511.721	63.173	UL-RL	0.12	20.3	344	62.95	0.032	0	126.122
Stage8	-7.85	518.229	65.232	UL-RL	0.12	20.3	344	66.823	0.032	0	132.055
Stage8	-8.25	524.737	67.268	UL-RL	0.12	20.3	344	70.697	0.032	0	137.965
Stage8	-8.65	531.246	69.285	UL-RL	0.12	20.3	344	74.571	0.032	0	143.856
Stage8	-9.05	537.756	71.286	UL-RL	0.12	20.3	344	78.445	0.032	0	149.731
Stage8	-9.45	544.266	73.274	UL-RL	0.12	20.3	344	82.319	0.032	0	155.592
Stage8	-9.85	550.777	75.248	UL-RL	0.12	20.3	344	86.192	0.032	0	161.441
Stage8	-10.25	557.288	77.212	UL-RL	0.12	20.3	344	90.066	0.032	0	167.278
Stage8	-10.65	563.799	79.166	UL-RL	0.12	20.3	344	93.94	0.032	0	173.106
Stage8	-11.05	570.448	81.11	UL-RL	0.12	20.3	344	97.814	0.032	0	178.924
Stage8	-11.45	576.959	83.046	UL-RL	0.12	20.3	344	101.688	0.032	0	184.734
Stage8	-11.85	583.47	84.975	UL-RL	0.12	20.3	344	105.562	0.032	0	190.536
Stage8	-12.25	589.981	86.897	UL-RL	0.12	20.3	344	109.435	0.032	0	196.332
Stage8	-12.65	596.493	88.812	UL-RL	0.12	20.3	344	113.309	0.032	0	202.122
Stage8	-13.05	603.005	90.722	UL-RL	0.12	20.3	344	117.183	0.032	0	207.906
Stage8	-13.45	609.518	92.627	UL-RL	0.12	20.3	344	121.057	0.032	0	213.684
Stage8	-13.85	616.03	94.527	UL-RL	0.12	20.3	344	124.931	0.032	0	219.458
Stage8	-14.25	622.544	96.423	UL-RL	0.12	20.3	344	128.804	0.032	0	225.228
Stage8	-14.65	629.057	98.315	UL-RL	0.12	20.3	344	132.678	0.032	0	230.993
Stage8	-15.05	635.571	100.203	UL-RL	0.12	20.3	344	136.552	0.032	0	236.755
Stage8	-15.45	642.203	102.087	UL-RL	0.12	20.3	344	140.426	0.032	0	242.513
Stage8	-15.85	648.716	103.969	UL-RL	0.12	20.3	344	144.3	0.032	0	248.268
Stage8	-16.25	655.229	105.847	UL-RL	0.12	20.3	344	148.173	0.032	0	254.02
Stage8	-16.65	661.743	107.724	UL-RL	0.12	20.3	344	152.047	0.032	0	259.771
Stage8	-17.05	668.257	109.599	UL-RL	0.12	20.3	344	155.921	0.032	0	265.52
Stage8	-17.3	672.37	110.772	UL-RL	0.12	20.3	344	158.342	0.032	0	269.114

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage9

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	0	10.412
Stage9	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	0	4.374
Stage9	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0	0.602
Stage9	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	0	1.242
Stage9	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	0	1.896
Stage9	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	0	5.293
Stage9	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	0	9.073
Stage9	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	0	12.72
Stage9	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	0	16.179
Stage9	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	0	18.953
Stage9	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	0	21.461
Stage9	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	0	23.473
Stage9	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	0	24.687
Stage9	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	0	26.473
Stage9	10.15	125.863	28.613	UL-RL	0.361	3.222	14	0	0	0	28.613
Stage9	9.95	130.116	30.148	UL-RL	0.361	3.222	14	0	0	0	30.148
Stage9	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	0	32.992
Stage9	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	0	36.793
Stage9	8.75	154.087	0.014	UL-RL	0.12	20.3	344	0	0	0	0.014
Stage9	8.35	164.399	0.103	UL-RL	0.12	20.3	344	0	0	0	0.103
Stage9	7.95	174.72	0.269	UL-RL	0.12	20.3	344	0	0	0	0.269
Stage9	7.55	185.049	0.465	UL-RL	0.12	20.3	344	0	0	0	0.465
Stage9	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0	0.831
Stage9	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	0	1.061
Stage9	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0	0.545
Stage9	5.95	226.418	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage9	5.55	237.129	0.001	UL-RL	0.12	20.3	344	0	0	0	0.001
Stage9	5.15	247.472	0.002	UL-RL	0.12	20.3	344	0	0	0	0.002
Stage9	4.75	257.82	0.003	UL-RL	0.12	20.3	344	0	0	0	0.003
Stage9	4.35	268.171	0.005	UL-RL	0.12	20.3	344	0	0	0	0.005
Stage9	3.95	278.525	0.004	UL-RL	0.12	20.3	344	0	0	0	0.004
Stage9	3.55	288.882	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage9	3.15	299.242	2.027	UL-RL	0.12	20.3	344	0	0	0	2.027
Stage9	2.75	309.604	2.739	UL-RL	0.12	20.3	344	0	0	0	2.739
Stage9	2.35	319.969	0.69	UL-RL	0.12	20.3	344	0	0	0	0.69
Stage9	1.95	330.335	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage9	1.55	340.703	0.031	UL-RL	0.12	20.3	344	0	0	0	0.031
Stage9	1.15	351.073	0.105	UL-RL	0.12	20.3	344	0	0	0	0.105
Stage9	0.75	361.689	0.41	UL-RL	0.12	20.3	344	0	0	0	0.41
Stage9	0.35	372.056	0.87	UL-RL	0.12	20.3	344	0	0	0	0.87
Stage9	-0.05	382.424	1.335	UL-RL	0.12	20.3	344	0	0	0	1.335
Stage9	-0.45	392.794	1.365	UL-RL	0.12	20.3	344	0	0	0	1.365
Stage9	-0.85	403.165	0.092	UL-RL	0.12	20.3	344	0	0	0	0.092
Stage9	-1.25	413.538	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage9	-1.45	418.831	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage9	-1.85	429.203	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage9	-2.25	439.576	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage9	-2.65	447.055	0.468	UL-RL	0.12	20.3	344	2.896	0.035	0	3.364
Stage9	-3.05	453.569	9.031	UL-RL	0.12	20.3	344	6.758	0.035	0	15.789
Stage9	-3.45	460.084	20.171	UL-RL	0.12	20.3	344	10.619	0.035	0	30.79
Stage9	-3.85	466.599	30.156	UL-RL	0.12	20.3	344	14.481	0.035	0	44.637
Stage9	-4.25	473.116	37.318	UL-RL	0.12	20.3	344	18.343	0.035	0	55.661

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Ka	Lato LEFT	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage9	-4.65	479.634	42.026	UL-RL	0.12	20.3	344	22.204	0.035	0	64.23	
Stage9	-5.05	486.152	45.229	UL-RL	0.12	20.3	344	26.066	0.035	0	71.294	
Stage9	-5.45	492.671	47.733	UL-RL	0.12	20.3	344	29.927	0.035	0	77.66	
Stage9	-5.85	499.191	50.01	UL-RL	0.12	20.3	344	33.789	0.035	0	83.799	
Stage9	-6.25	505.878	52.261	UL-RL	0.12	20.3	344	37.651	0.035	0	89.912	
Stage9	-6.65	512.396	54.532	UL-RL	0.12	20.3	344	41.512	0.035	0	96.044	
Stage9	-7.05	518.915	56.808	UL-RL	0.12	20.3	344	45.374	0.035	0	102.182	
Stage9	-7.45	525.435	59.066	UL-RL	0.12	20.3	344	49.235	0.035	0	108.302	
Stage9	-7.85	531.955	61.291	UL-RL	0.12	20.3	344	53.097	0.035	0	114.388	
Stage9	-8.25	538.476	63.477	UL-RL	0.12	20.3	344	56.958	0.035	0	120.435	
Stage9	-8.65	544.997	65.627	UL-RL	0.12	20.3	344	60.82	0.035	0	126.447	
Stage9	-9.05	551.519	67.746	UL-RL	0.12	20.3	344	64.682	0.035	0	132.428	
Stage9	-9.45	558.041	69.839	UL-RL	0.12	20.3	344	68.543	0.035	0	138.383	
Stage9	-9.85	564.564	71.911	UL-RL	0.12	20.3	344	72.405	0.035	0	144.316	
Stage9	-10.25	571.088	73.965	UL-RL	0.12	20.3	344	76.266	0.035	0	150.231	
Stage9	-10.65	577.612	76.002	UL-RL	0.12	20.3	344	80.128	0.035	0	156.13	
Stage9	-11.05	584.273	78.025	UL-RL	0.12	20.3	344	83.99	0.035	0	162.015	
Stage9	-11.45	590.795	80.036	UL-RL	0.12	20.3	344	87.851	0.035	0	167.887	
Stage9	-11.85	597.318	82.034	UL-RL	0.12	20.3	344	91.713	0.035	0	173.747	
Stage9	-12.25	603.842	84.023	UL-RL	0.12	20.3	344	95.574	0.035	0	179.597	
Stage9	-12.65	610.366	86.001	UL-RL	0.12	20.3	344	99.436	0.035	0	185.437	
Stage9	-13.05	616.89	87.971	UL-RL	0.12	20.3	344	103.298	0.035	0	191.269	
Stage9	-13.45	623.415	89.934	UL-RL	0.12	20.3	344	107.159	0.035	0	197.093	
Stage9	-13.85	629.94	91.889	UL-RL	0.12	20.3	344	111.021	0.035	0	202.91	
Stage9	-14.25	636.466	93.837	UL-RL	0.12	20.3	344	114.882	0.035	0	208.72	
Stage9	-14.65	642.992	95.78	UL-RL	0.12	20.3	344	118.744	0.035	0	214.524	
Stage9	-15.05	649.518	97.717	UL-RL	0.12	20.3	344	122.605	0.035	0	220.322	
Stage9	-15.45	656.162	99.648	UL-RL	0.12	20.3	344	126.467	0.035	0	226.115	
Stage9	-15.85	662.687	101.575	UL-RL	0.12	20.3	344	130.329	0.035	0	231.904	
Stage9	-16.25	669.213	103.498	UL-RL	0.12	20.3	344	134.19	0.035	0	237.688	
Stage9	-16.65	675.738	105.418	UL-RL	0.12	20.3	344	138.052	0.035	0	243.47	
Stage9	-17.05	682.265	107.336	UL-RL	0.12	20.3	344	141.913	0.035	0	249.249	
Stage9	-17.3	686.386	108.535	UL-RL	0.12	20.3	344	144.327	0.035	0	252.862	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.45	1.565	41.397	UL-RL	0.12	20.3	344	1.035	0.035	0	42.432
Stage9	-3.85	7.827	45.279	UL-RL	0.12	20.3	344	5.173	0.035	0	50.452
Stage9	-4.25	14.089	47.654	UL-RL	0.12	20.3	344	9.311	0.035	0	56.966
Stage9	-4.65	20.35	50.083	UL-RL	0.12	20.3	344	13.45	0.035	0	63.533
Stage9	-5.05	26.612	52.609	UL-RL	0.12	20.3	344	17.588	0.035	0	70.197
Stage9	-5.45	32.873	55.108	UL-RL	0.12	20.3	344	21.727	0.035	0	76.835

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-5.85	39.135	57.496	UL-RL	0.12	20.3	344	25.865	0.035	0	83.361
Stage9	-6.25	45.397	59.751	UL-RL	0.12	20.3	344	30.003	0.035	0	89.755
Stage9	-6.65	51.658	61.889	UL-RL	0.12	20.3	344	34.142	0.035	0	96.031
Stage9	-7.05	57.92	63.936	UL-RL	0.12	20.3	344	38.28	0.035	0	102.216
Stage9	-7.45	64.181	65.917	UL-RL	0.12	20.3	344	42.419	0.035	0	108.336
Stage9	-7.85	70.443	67.851	UL-RL	0.12	20.3	344	46.557	0.035	0	114.408
Stage9	-8.25	76.705	69.747	UL-RL	0.12	20.3	344	50.696	0.035	0	120.442
Stage9	-8.65	82.966	71.613	UL-RL	0.12	20.3	344	54.834	0.035	0	126.446
Stage9	-9.05	89.228	73.452	UL-RL	0.12	20.3	344	58.972	0.035	0	132.424
Stage9	-9.45	95.489	75.269	UL-RL	0.12	20.3	344	63.111	0.035	0	138.379
Stage9	-9.85	101.751	77.065	UL-RL	0.12	20.3	344	67.249	0.035	0	144.314
Stage9	-10.25	108.012	78.842	UL-RL	0.12	20.3	344	71.388	0.035	0	150.23
Stage9	-10.65	114.274	80.603	UL-RL	0.12	20.3	344	75.526	0.035	0	156.129
Stage9	-11.05	120.536	82.35	UL-RL	0.12	20.3	344	79.664	0.035	0	162.014
Stage9	-11.45	126.797	84.084	UL-RL	0.12	20.3	344	83.803	0.035	0	167.886
Stage9	-11.85	133.059	85.806	UL-RL	0.12	20.3	344	87.941	0.035	0	173.747
Stage9	-12.25	139.32	87.517	UL-RL	0.12	20.3	344	92.08	0.035	0	179.597
Stage9	-12.65	145.582	89.219	UL-RL	0.12	20.3	344	96.218	0.035	0	185.437
Stage9	-13.05	151.844	90.912	UL-RL	0.12	20.3	344	100.356	0.035	0	191.269
Stage9	-13.45	158.105	92.598	UL-RL	0.12	20.3	344	104.495	0.035	0	197.093
Stage9	-13.85	164.367	94.276	UL-RL	0.12	20.3	344	108.633	0.035	0	202.909
Stage9	-14.25	170.628	95.948	UL-RL	0.12	20.3	344	112.772	0.035	0	208.72
Stage9	-14.65	176.89	97.614	UL-RL	0.12	20.3	344	116.91	0.035	0	214.524
Stage9	-15.05	183.151	99.274	UL-RL	0.12	20.3	344	121.048	0.035	0	220.322
Stage9	-15.45	189.413	100.929	UL-RL	0.12	20.3	344	125.187	0.035	0	226.116
Stage9	-15.85	195.675	102.58	UL-RL	0.12	20.3	344	129.325	0.035	0	231.905
Stage9	-16.25	201.936	104.226	UL-RL	0.12	20.3	344	133.464	0.035	0	237.69
Stage9	-16.65	208.198	105.868	UL-RL	0.12	20.3	344	137.602	0.035	0	243.47
Stage9	-17.05	214.459	107.506	UL-RL	0.12	20.3	344	141.74	0.035	0	249.246
Stage9	-17.3	218.373	108.527	UL-RL	0.12	20.3	344	144.327	0.035	0	252.854

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage9

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato LEFT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp					
Stage9	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.45	1.565	41.397	UL-RL	0.12	20.3	344	1.035	0.035	0	42.432
Stage9	-3.85	7.827	45.279	UL-RL	0.12	20.3	344	5.173	0.035	0	50.452
Stage9	-4.25	14.089	47.654	UL-RL	0.12	20.3	344	9.311	0.035	0	56.966

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-4.65	20.35	50.083	UL-RL	0.12	20.3	344	13.45	0.035	0	63.533
Stage9	-5.05	26.612	52.609	UL-RL	0.12	20.3	344	17.588	0.035	0	70.197
Stage9	-5.45	32.873	55.108	UL-RL	0.12	20.3	344	21.727	0.035	0	76.835
Stage9	-5.85	39.135	57.496	UL-RL	0.12	20.3	344	25.865	0.035	0	83.361
Stage9	-6.25	45.397	59.751	UL-RL	0.12	20.3	344	30.003	0.035	0	89.755
Stage9	-6.65	51.658	61.889	UL-RL	0.12	20.3	344	34.142	0.035	0	96.031
Stage9	-7.05	57.92	63.936	UL-RL	0.12	20.3	344	38.28	0.035	0	102.216
Stage9	-7.45	64.181	65.917	UL-RL	0.12	20.3	344	42.419	0.035	0	108.336
Stage9	-7.85	70.443	67.851	UL-RL	0.12	20.3	344	46.557	0.035	0	114.408
Stage9	-8.25	76.705	69.747	UL-RL	0.12	20.3	344	50.696	0.035	0	120.442
Stage9	-8.65	82.966	71.613	UL-RL	0.12	20.3	344	54.834	0.035	0	126.446
Stage9	-9.05	89.228	73.452	UL-RL	0.12	20.3	344	58.972	0.035	0	132.424
Stage9	-9.45	95.489	75.269	UL-RL	0.12	20.3	344	63.111	0.035	0	138.379
Stage9	-9.85	101.751	77.065	UL-RL	0.12	20.3	344	67.249	0.035	0	144.314
Stage9	-10.25	108.012	78.842	UL-RL	0.12	20.3	344	71.388	0.035	0	150.23
Stage9	-10.65	114.274	80.603	UL-RL	0.12	20.3	344	75.526	0.035	0	156.129
Stage9	-11.05	120.536	82.35	UL-RL	0.12	20.3	344	79.664	0.035	0	162.014
Stage9	-11.45	126.797	84.084	UL-RL	0.12	20.3	344	83.803	0.035	0	167.886
Stage9	-11.85	133.059	85.806	UL-RL	0.12	20.3	344	87.941	0.035	0	173.747
Stage9	-12.25	139.32	87.517	UL-RL	0.12	20.3	344	92.08	0.035	0	179.597
Stage9	-12.65	145.582	89.219	UL-RL	0.12	20.3	344	96.218	0.035	0	185.437
Stage9	-13.05	151.844	90.912	UL-RL	0.12	20.3	344	100.356	0.035	0	191.269
Stage9	-13.45	158.105	92.598	UL-RL	0.12	20.3	344	104.495	0.035	0	197.093
Stage9	-13.85	164.367	94.276	UL-RL	0.12	20.3	344	108.633	0.035	0	202.909
Stage9	-14.25	170.628	95.948	UL-RL	0.12	20.3	344	112.772	0.035	0	208.72
Stage9	-14.65	176.89	97.614	UL-RL	0.12	20.3	344	116.91	0.035	0	214.524
Stage9	-15.05	183.151	99.274	UL-RL	0.12	20.3	344	121.048	0.035	0	220.322
Stage9	-15.45	189.413	100.929	UL-RL	0.12	20.3	344	125.187	0.035	0	226.116
Stage9	-15.85	195.675	102.58	UL-RL	0.12	20.3	344	129.325	0.035	0	231.905
Stage9	-16.25	201.936	104.226	UL-RL	0.12	20.3	344	133.464	0.035	0	237.69
Stage9	-16.65	208.198	105.868	UL-RL	0.12	20.3	344	137.602	0.035	0	243.47
Stage9	-17.05	214.459	107.506	UL-RL	0.12	20.3	344	141.74	0.035	0	249.246
Stage9	-17.3	218.373	108.527	UL-RL	0.12	20.3	344	144.327	0.035	0	252.854

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage9	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	10.412
Stage9	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	4.374
Stage9	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0.602
Stage9	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	1.242
Stage9	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	1.896
Stage9	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	5.293
Stage9	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	9.073
Stage9	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	12.72
Stage9	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	16.179
Stage9	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	18.953
Stage9	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	21.461
Stage9	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	23.473
Stage9	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	24.687
Stage9	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	26.473
Stage9	10.15	125.863	28.613	UL-RL	0.361	3.222	14	0	0	28.613
Stage9	9.95	130.116	30.148	UL-RL	0.361	3.222	14	0	0	30.148
Stage9	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	32.992
Stage9	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	36.793
Stage9	8.75	154.087	0.014	UL-RL	0.12	20.3	344	0	0	0.014
Stage9	8.35	164.399	0.103	UL-RL	0.12	20.3	344	0	0	0.103
Stage9	7.95	174.72	0.269	UL-RL	0.12	20.3	344	0	0	0.269
Stage9	7.55	185.049	0.465	UL-RL	0.12	20.3	344	0	0	0.465
Stage9	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0.831
Stage9	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	1.061
Stage9	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0.545
Stage9	5.95	226.418	0	UL-RL	0.12	20.3	344	0	0	0
Stage9	5.55	237.129	0.001	UL-RL	0.12	20.3	344	0	0	0.001
Stage9	5.15	247.472	0.002	UL-RL	0.12	20.3	344	0	0	0.002
Stage9	4.75	257.82	0.003	UL-RL	0.12	20.3	344	0	0	0.003
Stage9	4.35	268.171	0.005	UL-RL	0.12	20.3	344	0	0	0.005
Stage9	3.95	278.525	0.004	UL-RL	0.12	20.3	344	0	0	0.004
Stage9	3.55	288.882	0	ACTIVE	0.12	20.3	344	0	0	0
Stage9	3.15	299.242	2.027	UL-RL	0.12	20.3	344	0	0	2.027
Stage9	2.75	309.604	2.739	UL-RL	0.12	20.3	344	0	0	2.739
Stage9	2.35	319.969	0.69	UL-RL	0.12	20.3	344	0	0	0.69
Stage9	1.95	330.335	0	ACTIVE	0.12	20.3	344	0	0	0
Stage9	1.55	340.703	0.031	UL-RL	0.12	20.3	344	0	0	0.031
Stage9	1.15	351.073	0.105	UL-RL	0.12	20.3	344	0	0	0.105
Stage9	0.75	361.689	0.41	UL-RL	0.12	20.3	344	0	0	0.41
Stage9	0.35	372.056	0.87	UL-RL	0.12	20.3	344	0	0	0.87
Stage9	-0.05	382.424	1.335	UL-RL	0.12	20.3	344	0	0	1.335
Stage9	-0.45	392.794	1.365	UL-RL	0.12	20.3	344	0	0	1.365
Stage9	-0.85	403.165	0.092	UL-RL	0.12	20.3	344	0	0	0.092
Stage9	-1.25	413.538	0	ACTIVE	0.12	20.3	344	0	0	0
Stage9	-1.45	418.831	0	ACTIVE	0.12	20.3	344	0	0	0
Stage9	-1.85	429.203	0	ACTIVE	0.12	20.3	344	0	0	0
Stage9	-2.25	439.576	0	ACTIVE	0.12	20.3	344	0	0	0
Stage9	-2.65	447.055	0.468	UL-RL	0.12	20.3	344	2.896	0.035	3.364
Stage9	-3.05	453.569	9.031	UL-RL	0.12	20.3	344	6.758	0.035	15.789
Stage9	-3.45	460.084	20.171	UL-RL	0.12	20.3	344	10.619	0.035	30.79
Stage9	-3.85	466.599	30.156	UL-RL	0.12	20.3	344	14.481	0.035	44.637
Stage9	-4.25	473.116	37.318	UL-RL	0.12	20.3	344	18.343	0.035	55.661
Stage9	-4.65	479.634	42.026	UL-RL	0.12	20.3	344	22.204	0.035	64.23
Stage9	-5.05	486.152	45.229	UL-RL	0.12	20.3	344	26.066	0.035	71.294
Stage9	-5.45	492.671	47.733	UL-RL	0.12	20.3	344	29.927	0.035	77.66

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		RIGHT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-5.85	499.191	50.01	UL-RL	0.12	20.3	344	33.789	0.035	0	83.799
Stage9	-6.25	505.878	52.261	UL-RL	0.12	20.3	344	37.651	0.035	0	89.912
Stage9	-6.65	512.396	54.532	UL-RL	0.12	20.3	344	41.512	0.035	0	96.044
Stage9	-7.05	518.915	56.808	UL-RL	0.12	20.3	344	45.374	0.035	0	102.182
Stage9	-7.45	525.435	59.066	UL-RL	0.12	20.3	344	49.235	0.035	0	108.302
Stage9	-7.85	531.955	61.291	UL-RL	0.12	20.3	344	53.097	0.035	0	114.388
Stage9	-8.25	538.476	63.477	UL-RL	0.12	20.3	344	56.958	0.035	0	120.435
Stage9	-8.65	544.997	65.627	UL-RL	0.12	20.3	344	60.82	0.035	0	126.447
Stage9	-9.05	551.519	67.746	UL-RL	0.12	20.3	344	64.682	0.035	0	132.428
Stage9	-9.45	558.041	69.839	UL-RL	0.12	20.3	344	68.543	0.035	0	138.383
Stage9	-9.85	564.564	71.911	UL-RL	0.12	20.3	344	72.405	0.035	0	144.316
Stage9	-10.25	571.088	73.965	UL-RL	0.12	20.3	344	76.266	0.035	0	150.231
Stage9	-10.65	577.612	76.002	UL-RL	0.12	20.3	344	80.128	0.035	0	156.13
Stage9	-11.05	584.273	78.025	UL-RL	0.12	20.3	344	83.99	0.035	0	162.015
Stage9	-11.45	590.795	80.036	UL-RL	0.12	20.3	344	87.851	0.035	0	167.887
Stage9	-11.85	597.318	82.034	UL-RL	0.12	20.3	344	91.713	0.035	0	173.747
Stage9	-12.25	603.842	84.023	UL-RL	0.12	20.3	344	95.574	0.035	0	179.597
Stage9	-12.65	610.366	86.001	UL-RL	0.12	20.3	344	99.436	0.035	0	185.437
Stage9	-13.05	616.89	87.971	UL-RL	0.12	20.3	344	103.298	0.035	0	191.269
Stage9	-13.45	623.415	89.934	UL-RL	0.12	20.3	344	107.159	0.035	0	197.093
Stage9	-13.85	629.94	91.889	UL-RL	0.12	20.3	344	111.021	0.035	0	202.91
Stage9	-14.25	636.466	93.837	UL-RL	0.12	20.3	344	114.882	0.035	0	208.72
Stage9	-14.65	642.992	95.78	UL-RL	0.12	20.3	344	118.744	0.035	0	214.524
Stage9	-15.05	649.518	97.717	UL-RL	0.12	20.3	344	122.605	0.035	0	220.322
Stage9	-15.45	656.162	99.648	UL-RL	0.12	20.3	344	126.467	0.035	0	226.115
Stage9	-15.85	662.687	101.575	UL-RL	0.12	20.3	344	130.329	0.035	0	231.904
Stage9	-16.25	669.213	103.498	UL-RL	0.12	20.3	344	134.19	0.035	0	237.688
Stage9	-16.65	675.738	105.418	UL-RL	0.12	20.3	344	138.052	0.035	0	243.47
Stage9	-17.05	682.265	107.336	UL-RL	0.12	20.3	344	141.913	0.035	0	249.249
Stage9	-17.3	686.386	108.535	UL-RL	0.12	20.3	344	144.327	0.035	0	252.862

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Tabella Risultati Terreno Paratia - Nominal - Stage10

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	0	10.412
Stage10	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	0	4.374
Stage10	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0	0.602
Stage10	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	0	1.242
Stage10	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	0	1.896
Stage10	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	0	5.293
Stage10	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	0	9.073
Stage10	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	0	12.72
Stage10	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	0	16.179
Stage10	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	0	18.953
Stage10	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	0	21.461
Stage10	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	0	23.473
Stage10	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	0	24.687
Stage10	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	0	26.473
Stage10	10.15	125.863	28.613	UL-RL	0.361	3.222	14	0	0	0	28.613
Stage10	9.95	130.116	30.148	UL-RL	0.361	3.222	14	0	0	0	30.148
Stage10	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	0	32.992
Stage10	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	0	36.793
Stage10	8.75	154.087	0.014	UL-RL	0.12	20.3	344	0	0	0	0.014
Stage10	8.35	164.399	0.103	UL-RL	0.12	20.3	344	0	0	0	0.103
Stage10	7.95	174.72	0.269	UL-RL	0.12	20.3	344	0	0	0	0.269
Stage10	7.55	185.049	0.465	UL-RL	0.12	20.3	344	0	0	0	0.465
Stage10	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0	0.831
Stage10	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	0	1.061
Stage10	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0	0.545
Stage10	5.95	226.418	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage10	5.55	237.129	0.001	UL-RL	0.12	20.3	344	0	0	0	0.001
Stage10	5.15	247.472	0.002	UL-RL	0.12	20.3	344	0	0	0	0.002
Stage10	4.75	257.82	0.005	UL-RL	0.12	20.3	344	0	0	0	0.005
Stage10	4.35	268.171	0.007	UL-RL	0.12	20.3	344	0	0	0	0.007
Stage10	3.95	278.525	0.006	UL-RL	0.12	20.3	344	0	0	0	0.006
Stage10	3.55	288.882	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage10	3.15	299.242	2.02	UL-RL	0.12	20.3	344	0	0	0	2.02
Stage10	2.75	309.604	2.716	UL-RL	0.12	20.3	344	0	0	0	2.716
Stage10	2.35	319.969	0.644	UL-RL	0.12	20.3	344	0	0	0	0.644
Stage10	1.95	330.335	0	UL-RL	0.12	20.3	344	0	0	0	0
Stage10	1.55	340.703	0.004	UL-RL	0.12	20.3	344	0	0	0	0.004
Stage10	1.15	351.073	0.055	UL-RL	0.12	20.3	344	0	0	0	0.055
Stage10	0.75	361.689	0.454	UL-RL	0.12	20.3	344	0	0	0	0.454
Stage10	0.35	372.056	1.102	UL-RL	0.12	20.3	344	0	0	0	1.102
Stage10	-0.05	382.424	1.864	UL-RL	0.12	20.3	344	0	0	0	1.864
Stage10	-0.45	392.794	2.223	UL-RL	0.12	20.3	344	0	0	0	2.223
Stage10	-0.85	403.165	1.059	UL-RL	0.12	20.3	344	0	0	0	1.059
Stage10	-1.25	413.538	0.328	UL-RL	0.12	20.3	344	0	0	0	0.328
Stage10	-1.45	418.831	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-1.85	429.203	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-2.25	439.576	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-2.65	449.951	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-3.05	460.326	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-3.45	470.703	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-3.85	481.08	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-4.25	491.459	0	ACTIVE	0.12	20.3	344	0	0	0	0

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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-4.65	501.838	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-5.05	512.218	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-5.45	522.598	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-5.85	532.98	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-6.25	543.529	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-6.65	553.908	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-7.05	564.289	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-7.45	573.723	0	ACTIVE	0.12	20.3	344	0.947	0.053	0	0.947
Stage10	-7.85	580.316	0	ACTIVE	0.12	20.3	344	4.735	0.053	0	4.735
Stage10	-8.25	586.91	11.465	UL-RL	0.12	20.3	344	8.524	0.053	0	19.989
Stage10	-8.65	593.505	30.647	UL-RL	0.12	20.3	344	12.312	0.053	0	42.959
Stage10	-9.05	600.1	45.289	UL-RL	0.12	20.3	344	16.101	0.053	0	61.389
Stage10	-9.45	606.696	54.118	UL-RL	0.12	20.3	344	19.889	0.053	0	74.007
Stage10	-9.85	613.292	58.924	UL-RL	0.12	20.3	344	23.677	0.053	0	82.601
Stage10	-10.25	619.888	61.756	UL-RL	0.12	20.3	344	27.466	0.053	0	89.222
Stage10	-10.65	626.486	63.957	UL-RL	0.12	20.3	344	31.254	0.053	0	95.211
Stage10	-11.05	633.22	66.138	UL-RL	0.12	20.3	344	35.042	0.053	0	101.18
Stage10	-11.45	639.816	68.458	UL-RL	0.12	20.3	344	38.831	0.053	0	107.289
Stage10	-11.85	646.412	70.884	UL-RL	0.12	20.3	344	42.619	0.053	0	113.503
Stage10	-12.25	653.009	73.342	UL-RL	0.12	20.3	344	46.407	0.053	0	119.75
Stage10	-12.65	659.606	75.78	UL-RL	0.12	20.3	344	50.196	0.053	0	125.975
Stage10	-13.05	666.204	78.173	UL-RL	0.12	20.3	344	53.984	0.053	0	132.157
Stage10	-13.45	672.802	80.52	UL-RL	0.12	20.3	344	57.772	0.053	0	138.292
Stage10	-13.85	679.4	82.825	UL-RL	0.12	20.3	344	61.561	0.053	0	144.386
Stage10	-14.25	685.999	85.098	UL-RL	0.12	20.3	344	65.349	0.053	0	150.448
Stage10	-14.65	692.598	87.345	UL-RL	0.12	20.3	344	69.137	0.053	0	156.482
Stage10	-15.05	699.197	89.569	UL-RL	0.12	20.3	344	72.926	0.053	0	162.495
Stage10	-15.45	705.914	91.774	UL-RL	0.12	20.3	344	76.714	0.053	0	168.488
Stage10	-15.85	712.513	93.961	UL-RL	0.12	20.3	344	80.503	0.053	0	174.464
Stage10	-16.25	719.112	96.133	UL-RL	0.12	20.3	344	84.291	0.053	0	180.424
Stage10	-16.65	725.711	98.295	UL-RL	0.12	20.3	344	88.079	0.053	0	186.374
Stage10	-17.05	732.31	100.449	UL-RL	0.12	20.3	344	91.868	0.053	0	192.317
Stage10	-17.3	736.477	101.795	UL-RL	0.12	20.3	344	94.235	0.053	0	196.031

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IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT		Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)			
Stage10	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.45	0	0	REMOVED	0	0	0	0	0	0	0

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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.65	4.641	63.096	UL-RL	0.12	20.3	344	3.159	0.053	0	66.255
Stage10	-9.05	10.83	61.82	UL-RL	0.12	20.3	344	7.37	0.053	0	69.19
Stage10	-9.45	17.018	62.278	UL-RL	0.12	20.3	344	11.582	0.053	0	73.86
Stage10	-9.85	23.206	64.267	UL-RL	0.12	20.3	344	15.794	0.053	0	80.061
Stage10	-10.25	29.395	66.936	UL-RL	0.12	20.3	344	20.005	0.053	0	86.941
Stage10	-10.65	35.583	69.681	UL-RL	0.12	20.3	344	24.217	0.053	0	93.898
Stage10	-11.05	41.771	72.241	UL-RL	0.12	20.3	344	28.429	0.053	0	100.67
Stage10	-11.45	47.96	74.577	UL-RL	0.12	20.3	344	32.64	0.053	0	107.217
Stage10	-11.85	54.148	76.737	UL-RL	0.12	20.3	344	36.852	0.053	0	113.588
Stage10	-12.25	60.337	78.783	UL-RL	0.12	20.3	344	41.063	0.053	0	119.846
Stage10	-12.65	66.525	80.76	UL-RL	0.12	20.3	344	45.275	0.053	0	126.035
Stage10	-13.05	72.713	82.694	UL-RL	0.12	20.3	344	49.487	0.053	0	132.181
Stage10	-13.45	78.902	84.596	UL-RL	0.12	20.3	344	53.698	0.053	0	138.295
Stage10	-13.85	85.09	86.471	UL-RL	0.12	20.3	344	57.91	0.053	0	144.381
Stage10	-14.25	91.278	88.319	UL-RL	0.12	20.3	344	62.122	0.053	0	150.441
Stage10	-14.65	97.467	90.145	UL-RL	0.12	20.3	344	66.333	0.053	0	156.478
Stage10	-15.05	103.655	91.948	UL-RL	0.12	20.3	344	70.545	0.053	0	162.493
Stage10	-15.45	109.843	93.732	UL-RL	0.12	20.3	344	74.757	0.053	0	168.489
Stage10	-15.85	116.032	95.499	UL-RL	0.12	20.3	344	78.968	0.053	0	174.467
Stage10	-16.25	122.22	97.249	UL-RL	0.12	20.3	344	83.18	0.053	0	180.429
Stage10	-16.65	128.408	98.984	UL-RL	0.12	20.3	344	87.391	0.053	0	186.376
Stage10	-17.05	134.597	100.703	UL-RL	0.12	20.3	344	91.603	0.053	0	192.306
Stage10	-17.3	138.465	101.77	UL-RL	0.12	20.3	344	94.235	0.053	0	196.005

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage10

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro:		RIGHT		Lato		LEFT	
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.25	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		LEFT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.65	4.641	63.096	UL-RL	0.12	20.3	344	3.159	0.053	0	66.255
Stage10	-9.05	10.83	61.82	UL-RL	0.12	20.3	344	7.37	0.053	0	69.19
Stage10	-9.45	17.018	62.278	UL-RL	0.12	20.3	344	11.582	0.053	0	73.86
Stage10	-9.85	23.206	64.267	UL-RL	0.12	20.3	344	15.794	0.053	0	80.061
Stage10	-10.25	29.395	66.936	UL-RL	0.12	20.3	344	20.005	0.053	0	86.941
Stage10	-10.65	35.583	69.681	UL-RL	0.12	20.3	344	24.217	0.053	0	93.898
Stage10	-11.05	41.771	72.241	UL-RL	0.12	20.3	344	28.429	0.053	0	100.67
Stage10	-11.45	47.96	74.577	UL-RL	0.12	20.3	344	32.64	0.053	0	107.217
Stage10	-11.85	54.148	76.737	UL-RL	0.12	20.3	344	36.852	0.053	0	113.588
Stage10	-12.25	60.337	78.783	UL-RL	0.12	20.3	344	41.063	0.053	0	119.846
Stage10	-12.65	66.525	80.76	UL-RL	0.12	20.3	344	45.275	0.053	0	126.035
Stage10	-13.05	72.713	82.694	UL-RL	0.12	20.3	344	49.487	0.053	0	132.181
Stage10	-13.45	78.902	84.596	UL-RL	0.12	20.3	344	53.698	0.053	0	138.295
Stage10	-13.85	85.09	86.471	UL-RL	0.12	20.3	344	57.91	0.053	0	144.381
Stage10	-14.25	91.278	88.319	UL-RL	0.12	20.3	344	62.122	0.053	0	150.441
Stage10	-14.65	97.467	90.145	UL-RL	0.12	20.3	344	66.333	0.053	0	156.478
Stage10	-15.05	103.655	91.948	UL-RL	0.12	20.3	344	70.545	0.053	0	162.493
Stage10	-15.45	109.843	93.732	UL-RL	0.12	20.3	344	74.757	0.053	0	168.489
Stage10	-15.85	116.032	95.499	UL-RL	0.12	20.3	344	78.968	0.053	0	174.467
Stage10	-16.25	122.22	97.249	UL-RL	0.12	20.3	344	83.18	0.053	0	180.429
Stage10	-16.65	128.408	98.984	UL-RL	0.12	20.3	344	87.391	0.053	0	186.376
Stage10	-17.05	134.597	100.703	UL-RL	0.12	20.3	344	91.603	0.053	0	192.306
Stage10	-17.3	138.465	101.77	UL-RL	0.12	20.3	344	94.235	0.053	0	196.005

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT		
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage10	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	10.412
Stage10	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	4.374
Stage10	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0.602
Stage10	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	1.242
Stage10	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	1.896
Stage10	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	5.293
Stage10	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	9.073
Stage10	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	12.72
Stage10	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	16.179
Stage10	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	18.953
Stage10	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	21.461
Stage10	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	23.473
Stage10	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	24.687
Stage10	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	26.473
Stage10	10.15	125.863	28.613	UL-RL	0.361	3.222	14	0	0	28.613
Stage10	9.95	130.116	30.148	UL-RL	0.361	3.222	14	0	0	30.148
Stage10	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	32.992
Stage10	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	36.793
Stage10	8.75	154.087	0.014	UL-RL	0.12	20.3	344	0	0	0.014
Stage10	8.35	164.399	0.103	UL-RL	0.12	20.3	344	0	0	0.103
Stage10	7.95	174.72	0.269	UL-RL	0.12	20.3	344	0	0	0.269
Stage10	7.55	185.049	0.465	UL-RL	0.12	20.3	344	0	0	0.465
Stage10	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0.831
Stage10	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	1.061
Stage10	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0.545
Stage10	5.95	226.418	0	UL-RL	0.12	20.3	344	0	0	0
Stage10	5.55	237.129	0.001	UL-RL	0.12	20.3	344	0	0	0.001
Stage10	5.15	247.472	0.002	UL-RL	0.12	20.3	344	0	0	0.002
Stage10	4.75	257.82	0.005	UL-RL	0.12	20.3	344	0	0	0.005
Stage10	4.35	268.171	0.007	UL-RL	0.12	20.3	344	0	0	0.007
Stage10	3.95	278.525	0.006	UL-RL	0.12	20.3	344	0	0	0.006
Stage10	3.55	288.882	0	UL-RL	0.12	20.3	344	0	0	0
Stage10	3.15	299.242	2.02	UL-RL	0.12	20.3	344	0	0	2.02
Stage10	2.75	309.604	2.716	UL-RL	0.12	20.3	344	0	0	2.716
Stage10	2.35	319.969	0.644	UL-RL	0.12	20.3	344	0	0	0.644
Stage10	1.95	330.335	0	UL-RL	0.12	20.3	344	0	0	0
Stage10	1.55	340.703	0.004	UL-RL	0.12	20.3	344	0	0	0.004
Stage10	1.15	351.073	0.055	UL-RL	0.12	20.3	344	0	0	0.055
Stage10	0.75	361.689	0.454	UL-RL	0.12	20.3	344	0	0	0.454
Stage10	0.35	372.056	1.102	UL-RL	0.12	20.3	344	0	0	1.102
Stage10	-0.05	382.424	1.864	UL-RL	0.12	20.3	344	0	0	1.864
Stage10	-0.45	392.794	2.223	UL-RL	0.12	20.3	344	0	0	2.223
Stage10	-0.85	403.165	1.059	UL-RL	0.12	20.3	344	0	0	1.059
Stage10	-1.25	413.538	0.328	UL-RL	0.12	20.3	344	0	0	0.328
Stage10	-1.45	418.831	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-1.85	429.203	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-2.25	439.576	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-2.65	449.951	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-3.05	460.326	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-3.45	470.703	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-3.85	481.08	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-4.25	491.459	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-4.65	501.838	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-5.05	512.218	0	ACTIVE	0.12	20.3	344	0	0	0
Stage10	-5.45	522.598	0	ACTIVE	0.12	20.3	344	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-5.85	532.98	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-6.25	543.529	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-6.65	553.908	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-7.05	564.289	0	ACTIVE	0.12	20.3	344	0	0	0	0
Stage10	-7.45	573.723	0	ACTIVE	0.12	20.3	344	0.947	0.053	0	0.947
Stage10	-7.85	580.316	0	ACTIVE	0.12	20.3	344	4.735	0.053	0	4.735
Stage10	-8.25	586.91	11.465	UL-RL	0.12	20.3	344	8.524	0.053	0	19.989
Stage10	-8.65	593.505	30.647	UL-RL	0.12	20.3	344	12.312	0.053	0	42.959
Stage10	-9.05	600.1	45.289	UL-RL	0.12	20.3	344	16.101	0.053	0	61.389
Stage10	-9.45	606.696	54.118	UL-RL	0.12	20.3	344	19.889	0.053	0	74.007
Stage10	-9.85	613.292	58.924	UL-RL	0.12	20.3	344	23.677	0.053	0	82.601
Stage10	-10.25	619.888	61.756	UL-RL	0.12	20.3	344	27.466	0.053	0	89.222
Stage10	-10.65	626.486	63.957	UL-RL	0.12	20.3	344	31.254	0.053	0	95.211
Stage10	-11.05	633.22	66.138	UL-RL	0.12	20.3	344	35.042	0.053	0	101.18
Stage10	-11.45	639.816	68.458	UL-RL	0.12	20.3	344	38.831	0.053	0	107.289
Stage10	-11.85	646.412	70.884	UL-RL	0.12	20.3	344	42.619	0.053	0	113.503
Stage10	-12.25	653.009	73.342	UL-RL	0.12	20.3	344	46.407	0.053	0	119.75
Stage10	-12.65	659.606	75.78	UL-RL	0.12	20.3	344	50.196	0.053	0	125.975
Stage10	-13.05	666.204	78.173	UL-RL	0.12	20.3	344	53.984	0.053	0	132.157
Stage10	-13.45	672.802	80.52	UL-RL	0.12	20.3	344	57.772	0.053	0	138.292
Stage10	-13.85	679.4	82.825	UL-RL	0.12	20.3	344	61.561	0.053	0	144.386
Stage10	-14.25	685.999	85.098	UL-RL	0.12	20.3	344	65.349	0.053	0	150.448
Stage10	-14.65	692.598	87.345	UL-RL	0.12	20.3	344	69.137	0.053	0	156.482
Stage10	-15.05	699.197	89.569	UL-RL	0.12	20.3	344	72.926	0.053	0	162.495
Stage10	-15.45	705.914	91.774	UL-RL	0.12	20.3	344	76.714	0.053	0	168.488
Stage10	-15.85	712.513	93.961	UL-RL	0.12	20.3	344	80.503	0.053	0	174.464
Stage10	-16.25	719.112	96.133	UL-RL	0.12	20.3	344	84.291	0.053	0	180.424
Stage10	-16.65	725.711	98.295	UL-RL	0.12	20.3	344	88.079	0.053	0	186.374
Stage10	-17.05	732.31	100.449	UL-RL	0.12	20.3	344	91.868	0.053	0	192.317
Stage10	-17.3	736.477	101.795	UL-RL	0.12	20.3	344	94.235	0.053	0	196.031

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Scavo NORM.

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	0	10.412
Scavo NORM.	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	0	4.374
Scavo NORM.	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0	0.602
Scavo NORM.	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	0	1.242
Scavo NORM.	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	0	1.896
Scavo NORM.	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	0	5.293
Scavo NORM.	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	0	9.073
Scavo NORM.	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	0	12.72
Scavo NORM.	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	0	16.179
Scavo NORM.	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	0	18.953
Scavo NORM.	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	0	21.461
Scavo NORM.	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	0	23.473
Scavo NORM.	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	0	24.687
Scavo NORM.	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	0	26.473
Scavo NORM.	10.15	125.863	28.613	UL-RL	0.361	3.222	14	0	0	0	28.613
Scavo NORM.	9.95	130.116	30.148	UL-RL	0.361	3.222	14	0	0	0	30.148
Scavo NORM.	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	0	32.992
Scavo NORM.	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	0	36.793
Scavo NORM.	8.75	154.087	0.014	UL-RL	0.12	20.3	344	0	0	0	0.014
Scavo NORM.	8.35	164.399	0.103	UL-RL	0.12	20.3	344	0	0	0	0.103
Scavo NORM.	7.95	174.72	0.269	UL-RL	0.12	20.3	344	0	0	0	0.269
Scavo NORM.	7.55	185.049	0.465	UL-RL	0.12	20.3	344	0	0	0	0.465
Scavo NORM.	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0	0.831
Scavo NORM.	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	0	1.061
Scavo NORM.	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0	0.545
Scavo NORM.	5.95	226.418	0	UL-RL	0.12	20.3	344	0	0	0	0
Scavo NORM.	5.55	237.129	0.001	UL-RL	0.12	20.3	344	0	0	0	0.001
Scavo NORM.	5.15	247.472	0.002	UL-RL	0.12	20.3	344	0	0	0	0.002
Scavo NORM.	4.75	257.82	0.005	UL-RL	0.12	20.3	344	0	0	0	0.005
Scavo NORM.	4.35	268.171	0.007	UL-RL	0.12	20.3	344	0	0	0	0.007
Scavo NORM.	3.95	278.525	0.006	UL-RL	0.12	20.3	344	0	0	0	0.006
Scavo NORM.	3.55	288.882	0	UL-RL	0.12	20.3	344	0	0	0	0
Scavo NORM.	3.15	299.242	2.02	UL-RL	0.12	20.3	344	0	0	0	2.02
Scavo NORM.	2.75	309.604	2.716	UL-RL	0.12	20.3	344	0	0	0	2.716
Scavo NORM.	2.35	319.969	0.643	UL-RL	0.12	20.3	344	0	0	0	0.643
Scavo NORM.	1.95	330.335	0	UL-RL	0.12	20.3	344	0	0	0	0
Scavo NORM.	1.55	340.703	0.004	UL-RL	0.12	20.3	344	0	0	0	0.004
Scavo NORM.	1.15	351.073	0.056	UL-RL	0.12	20.3	344	0	0	0	0.056
Scavo NORM.	0.75	361.689	0.456	UL-RL	0.12	20.3	344	0	0	0	0.456
Scavo NORM.	0.35	372.056	1.107	UL-RL	0.12	20.3	344	0	0	0	1.107
Scavo NORM.	-0.05	382.424	1.869	UL-RL	0.12	20.3	344	0	0	0	1.869
Scavo NORM.	-0.45	392.794	2.227	UL-RL	0.12	20.3	344	0	0	0	2.227
Scavo NORM.	-0.85	403.165	1.056	UL-RL	0.12	20.3	344	0	0	0	1.056
Scavo NORM.	-1.25	413.538	0.305	UL-RL	0.12	20.3	344	0	0	0	0.305
Scavo NORM.	-1.45	418.831	0	ACTIVE	0.12	20.3	344	0	0	0	0
Scavo NORM.	-1.85	429.203	0	UL-RL	0.12	20.3	344	0	0	0	0
Scavo NORM.	-2.25	439.576	0.002	UL-RL	0.12	20.3	344	0	0	0	0.002
Scavo NORM.	-2.65	449.951	0.007	UL-RL	0.12	20.3	344	0	0	0	0.007
Scavo NORM.	-3.05	460.326	0.015	UL-RL	0.12	20.3	344	0	0	0	0.015
Scavo NORM.	-3.45	470.703	0.023	UL-RL	0.12	20.3	344	0	0	0	0.023
Scavo NORM.	-3.85	481.08	0.087	UL-RL	0.12	20.3	344	0	0	0	0.087
Scavo NORM.	-4.25	491.459	0.139	UL-RL	0.12	20.3	344	0	0	0	0.139

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Ka	Lato LEFT	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Scavo NORM.	-4.65	501.838	0.129	UL-RL	ACTIVE	0.12	20.3	344	0	0	0	0.129
Scavo NORM.	-5.05	512.218	0	UL-RL	ACTIVE	0.12	20.3	344	0	0	0	0
Scavo NORM.	-5.45	522.598	0	UL-RL	ACTIVE	0.12	20.3	344	0	0	0	0
Scavo NORM.	-5.85	532.98	0	UL-RL	ACTIVE	0.12	20.3	344	0	0	0	0
Scavo NORM.	-6.25	543.529	0	UL-RL	ACTIVE	0.12	20.3	344	0	0	0	0
Scavo NORM.	-6.65	553.908	0	UL-RL	ACTIVE	0.12	20.3	344	0	0	0	0
Scavo NORM.	-7.05	564.289	0	UL-RL	ACTIVE	0.12	20.3	344	0	0	0	0
Scavo NORM.	-7.45	574.67	0	UL-RL	ACTIVE	0.12	20.3	344	0	0	0	0
Scavo NORM.	-7.85	585.052	0	UL-RL	ACTIVE	0.12	20.3	344	0	0.056	0	0
Scavo NORM.	-8.25	591.658	0	UL-RL	ACTIVE	0.12	20.3	344	3.777	0.056	0	3.777
Scavo NORM.	-8.65	598.264	13.134	UL-RL	ACTIVE	0.12	20.3	344	7.553	0.056	0	20.687
Scavo NORM.	-9.05	604.871	31.571	UL-RL	ACTIVE	0.12	20.3	344	11.33	0.056	0	42.9
Scavo NORM.	-9.45	611.478	45.843	UL-RL	ACTIVE	0.12	20.3	344	15.106	0.056	0	60.949
Scavo NORM.	-9.85	618.086	54.606	UL-RL	ACTIVE	0.12	20.3	344	18.883	0.056	0	73.489
Scavo NORM.	-10.25	624.695	59.492	UL-RL	ACTIVE	0.12	20.3	344	22.659	0.056	0	82.151
Scavo NORM.	-10.65	631.304	62.443	UL-RL	ACTIVE	0.12	20.3	344	26.436	0.056	0	88.878
Scavo NORM.	-11.05	638.05	64.75	UL-RL	ACTIVE	0.12	20.3	344	30.212	0.056	0	94.962
Scavo NORM.	-11.45	644.658	67.013	UL-RL	ACTIVE	0.12	20.3	344	33.989	0.056	0	101.002
Scavo NORM.	-11.85	651.266	69.393	UL-RL	ACTIVE	0.12	20.3	344	37.765	0.056	0	107.158
Scavo NORM.	-12.25	657.875	71.865	UL-RL	ACTIVE	0.12	20.3	344	41.542	0.056	0	113.407
Scavo NORM.	-12.65	664.484	74.361	UL-RL	ACTIVE	0.12	20.3	344	45.318	0.056	0	119.679
Scavo NORM.	-13.05	671.093	76.832	UL-RL	ACTIVE	0.12	20.3	344	49.095	0.056	0	125.927
Scavo NORM.	-13.45	677.703	79.258	UL-RL	ACTIVE	0.12	20.3	344	52.872	0.056	0	132.129
Scavo NORM.	-13.85	684.313	81.635	UL-RL	ACTIVE	0.12	20.3	344	56.648	0.056	0	138.283
Scavo NORM.	-14.25	690.924	83.971	UL-RL	ACTIVE	0.12	20.3	344	60.425	0.056	0	144.396
Scavo NORM.	-14.65	697.534	86.273	UL-RL	ACTIVE	0.12	20.3	344	64.201	0.056	0	150.474
Scavo NORM.	-15.05	704.145	88.547	UL-RL	ACTIVE	0.12	20.3	344	67.978	0.056	0	156.524
Scavo NORM.	-15.45	710.875	90.797	UL-RL	ACTIVE	0.12	20.3	344	71.754	0.056	0	162.551
Scavo NORM.	-15.85	717.485	93.028	UL-RL	ACTIVE	0.12	20.3	344	75.531	0.056	0	168.558
Scavo NORM.	-16.25	724.096	95.241	UL-RL	ACTIVE	0.12	20.3	344	79.307	0.056	0	174.548
Scavo NORM.	-16.65	730.707	97.441	UL-RL	ACTIVE	0.12	20.3	344	83.084	0.056	0	180.525
Scavo NORM.	-17.05	737.318	99.634	UL-RL	ACTIVE	0.12	20.3	344	86.86	0.056	0	186.494
Scavo NORM.	-17.3	741.492	101.004	UL-RL	ACTIVE	0.12	20.3	344	89.221	0.056	0	190.224

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT		Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)			
Scavo NORM.	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-9.05	3.088	62.792	UL-RL	0.12	20.3	344	2.112	0.056	0	64.904
Scavo NORM.	-9.45	9.265	62.322	UL-RL	0.12	20.3	344	6.335	0.056	0	68.657
Scavo NORM.	-9.85	15.441	62.971	UL-RL	0.12	20.3	344	10.559	0.056	0	73.529
Scavo NORM.	-10.25	21.618	65.012	UL-RL	0.12	20.3	344	14.782	0.056	0	79.794
Scavo NORM.	-10.65	27.794	67.701	UL-RL	0.12	20.3	344	19.006	0.056	0	86.707
Scavo NORM.	-11.05	33.971	70.465	UL-RL	0.12	20.3	344	23.229	0.056	0	93.694
Scavo NORM.	-11.45	40.147	73.048	UL-RL	0.12	20.3	344	27.453	0.056	0	100.5
Scavo NORM.	-11.85	46.324	75.405	UL-RL	0.12	20.3	344	31.676	0.056	0	107.081
Scavo NORM.	-12.25	52.501	77.585	UL-RL	0.12	20.3	344	35.899	0.056	0	113.484
Scavo NORM.	-12.65	58.677	79.647	UL-RL	0.12	20.3	344	40.123	0.056	0	119.77
Scavo NORM.	-13.05	64.854	81.637	UL-RL	0.12	20.3	344	44.346	0.056	0	125.984
Scavo NORM.	-13.45	71.03	83.582	UL-RL	0.12	20.3	344	48.57	0.056	0	132.152
Scavo NORM.	-13.85	77.207	85.492	UL-RL	0.12	20.3	344	52.793	0.056	0	138.286
Scavo NORM.	-14.25	83.383	87.373	UL-RL	0.12	20.3	344	57.017	0.056	0	144.39
Scavo NORM.	-14.65	89.56	89.227	UL-RL	0.12	20.3	344	61.24	0.056	0	150.468
Scavo NORM.	-15.05	95.736	91.057	UL-RL	0.12	20.3	344	65.464	0.056	0	156.521
Scavo NORM.	-15.45	101.913	92.864	UL-RL	0.12	20.3	344	69.687	0.056	0	162.551
Scavo NORM.	-15.85	108.089	94.651	UL-RL	0.12	20.3	344	73.911	0.056	0	168.562
Scavo NORM.	-16.25	114.266	96.419	UL-RL	0.12	20.3	344	78.134	0.056	0	174.553
Scavo NORM.	-16.65	120.442	98.17	UL-RL	0.12	20.3	344	82.357	0.056	0	180.527
Scavo NORM.	-17.05	126.619	99.902	UL-RL	0.12	20.3	344	86.581	0.056	0	186.483
Scavo NORM.	-17.3	130.479	100.975	UL-RL	0.12	20.3	344	89.221	0.056	0	190.195

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Scavo NORM.

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		LEFT		Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)			
Scavo NORM.	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.25	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-9.05	3.088	62.792	UL-RL	0.12	20.3	344	2.112	0.056	0	64.904
Scavo NORM.	-9.45	9.265	62.322	UL-RL	0.12	20.3	344	6.335	0.056	0	68.657
Scavo NORM.	-9.85	15.441	62.971	UL-RL	0.12	20.3	344	10.559	0.056	0	73.529
Scavo NORM.	-10.25	21.618	65.012	UL-RL	0.12	20.3	344	14.782	0.056	0	79.794
Scavo NORM.	-10.65	27.794	67.701	UL-RL	0.12	20.3	344	19.006	0.056	0	86.707
Scavo NORM.	-11.05	33.971	70.465	UL-RL	0.12	20.3	344	23.229	0.056	0	93.694
Scavo NORM.	-11.45	40.147	73.048	UL-RL	0.12	20.3	344	27.453	0.056	0	100.5
Scavo NORM.	-11.85	46.324	75.405	UL-RL	0.12	20.3	344	31.676	0.056	0	107.081
Scavo NORM.	-12.25	52.501	77.585	UL-RL	0.12	20.3	344	35.899	0.056	0	113.484
Scavo NORM.	-12.65	58.677	79.647	UL-RL	0.12	20.3	344	40.123	0.056	0	119.77
Scavo NORM.	-13.05	64.854	81.637	UL-RL	0.12	20.3	344	44.346	0.056	0	125.984
Scavo NORM.	-13.45	71.03	83.582	UL-RL	0.12	20.3	344	48.57	0.056	0	132.152
Scavo NORM.	-13.85	77.207	85.492	UL-RL	0.12	20.3	344	52.793	0.056	0	138.286
Scavo NORM.	-14.25	83.383	87.373	UL-RL	0.12	20.3	344	57.017	0.056	0	144.39
Scavo NORM.	-14.65	89.56	89.227	UL-RL	0.12	20.3	344	61.24	0.056	0	150.468
Scavo NORM.	-15.05	95.736	91.057	UL-RL	0.12	20.3	344	65.464	0.056	0	156.521
Scavo NORM.	-15.45	101.913	92.864	UL-RL	0.12	20.3	344	69.687	0.056	0	162.551
Scavo NORM.	-15.85	108.089	94.651	UL-RL	0.12	20.3	344	73.911	0.056	0	168.562
Scavo NORM.	-16.25	114.266	96.419	UL-RL	0.12	20.3	344	78.134	0.056	0	174.553
Scavo NORM.	-16.65	120.442	98.17	UL-RL	0.12	20.3	344	82.357	0.056	0	180.527
Scavo NORM.	-17.05	126.619	99.902	UL-RL	0.12	20.3	344	86.581	0.056	0	186.483
Scavo NORM.	-17.3	130.479	100.975	UL-RL	0.12	20.3	344	89.221	0.056	0	190.195

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Scavo NORM.	15.7	0	10.412	UL-RL	0.361	3.222	14	0	0	10.412
Scavo NORM.	15.35	16.25	4.374	UL-RL	0.361	3.222	14	0	0	4.374
Scavo NORM.	14.95	27.419	0.602	UL-RL	0.361	3.222	14	0	0	0.602
Scavo NORM.	14.55	36.919	1.242	UL-RL	0.361	3.222	14	0	0	1.242
Scavo NORM.	14.15	45.605	1.896	UL-RL	0.361	3.222	14	0	0	1.896
Scavo NORM.	13.75	54.185	5.293	UL-RL	0.361	3.222	14	0	0	5.293
Scavo NORM.	13.35	62.878	9.073	UL-RL	0.361	3.222	14	0	0	9.073
Scavo NORM.	12.95	71.384	12.72	UL-RL	0.361	3.222	14	0	0	12.72
Scavo NORM.	12.55	79.768	16.179	UL-RL	0.361	3.222	14	0	0	16.179
Scavo NORM.	12.15	86.949	18.953	UL-RL	0.361	3.222	14	0	0	18.953
Scavo NORM.	11.75	94.503	21.461	UL-RL	0.361	3.222	14	0	0	21.461
Scavo NORM.	11.35	102.304	23.473	UL-RL	0.361	3.222	14	0	0	23.473
Scavo NORM.	10.95	110.135	24.687	UL-RL	0.361	3.222	14	0	0	24.687
Scavo NORM.	10.55	117.989	26.473	UL-RL	0.361	3.222	14	0	0	26.473
Scavo NORM.	10.15	125.863	28.613	UL-RL	0.361	3.222	14	0	0	28.613
Scavo NORM.	9.95	130.116	30.148	UL-RL	0.361	3.222	14	0	0	30.148
Scavo NORM.	9.55	137.993	32.992	UL-RL	0.361	3.222	14	0	0	32.992
Scavo NORM.	9.15	145.884	36.793	UL-RL	0.361	3.222	14	0	0	36.793
Scavo NORM.	8.75	154.087	0.014	UL-RL	0.12	20.3	344	0	0	0.014
Scavo NORM.	8.35	164.399	0.103	UL-RL	0.12	20.3	344	0	0	0.103
Scavo NORM.	7.95	174.72	0.269	UL-RL	0.12	20.3	344	0	0	0.269
Scavo NORM.	7.55	185.049	0.465	UL-RL	0.12	20.3	344	0	0	0.465
Scavo NORM.	7.15	195.384	0.831	UL-RL	0.12	20.3	344	0	0	0.831
Scavo NORM.	6.75	205.724	1.061	UL-RL	0.12	20.3	344	0	0	1.061
Scavo NORM.	6.35	216.069	0.545	UL-RL	0.12	20.3	344	0	0	0.545
Scavo NORM.	5.95	226.418	0	UL-RL	0.12	20.3	344	0	0	0
Scavo NORM.	5.55	237.129	0.001	UL-RL	0.12	20.3	344	0	0	0.001
Scavo NORM.	5.15	247.472	0.002	UL-RL	0.12	20.3	344	0	0	0.002
Scavo NORM.	4.75	257.82	0.005	UL-RL	0.12	20.3	344	0	0	0.005
Scavo NORM.	4.35	268.171	0.007	UL-RL	0.12	20.3	344	0	0	0.007
Scavo NORM.	3.95	278.525	0.006	UL-RL	0.12	20.3	344	0	0	0.006
Scavo NORM.	3.55	288.882	0	UL-RL	0.12	20.3	344	0	0	0
Scavo NORM.	3.15	299.242	2.02	UL-RL	0.12	20.3	344	0	0	2.02
Scavo NORM.	2.75	309.604	2.716	UL-RL	0.12	20.3	344	0	0	2.716
Scavo NORM.	2.35	319.969	0.643	UL-RL	0.12	20.3	344	0	0	0.643
Scavo NORM.	1.95	330.335	0	UL-RL	0.12	20.3	344	0	0	0
Scavo NORM.	1.55	340.703	0.004	UL-RL	0.12	20.3	344	0	0	0.004
Scavo NORM.	1.15	351.073	0.056	UL-RL	0.12	20.3	344	0	0	0.056
Scavo NORM.	0.75	361.689	0.456	UL-RL	0.12	20.3	344	0	0	0.456
Scavo NORM.	0.35	372.056	1.107	UL-RL	0.12	20.3	344	0	0	1.107
Scavo NORM.	-0.05	382.424	1.869	UL-RL	0.12	20.3	344	0	0	1.869
Scavo NORM.	-0.45	392.794	2.227	UL-RL	0.12	20.3	344	0	0	2.227
Scavo NORM.	-0.85	403.165	1.056	UL-RL	0.12	20.3	344	0	0	1.056
Scavo NORM.	-1.25	413.538	0.305	UL-RL	0.12	20.3	344	0	0	0.305
Scavo NORM.	-1.45	418.831	0	ACTIVE	0.12	20.3	344	0	0	0
Scavo NORM.	-1.85	429.203	0	UL-RL	0.12	20.3	344	0	0	0
Scavo NORM.	-2.25	439.576	0.002	UL-RL	0.12	20.3	344	0	0	0.002
Scavo NORM.	-2.65	449.951	0.007	UL-RL	0.12	20.3	344	0	0	0.007
Scavo NORM.	-3.05	460.326	0.015	UL-RL	0.12	20.3	344	0	0	0.015
Scavo NORM.	-3.45	470.703	0.023	UL-RL	0.12	20.3	344	0	0	0.023
Scavo NORM.	-3.85	481.08	0.087	UL-RL	0.12	20.3	344	0	0	0.087
Scavo NORM.	-4.25	491.459	0.139	UL-RL	0.12	20.3	344	0	0	0.139
Scavo NORM.	-4.65	501.838	0.129	UL-RL	0.12	20.3	344	0	0	0.129
Scavo NORM.	-5.05	512.218	0	ACTIVE	0.12	20.3	344	0	0	0
Scavo NORM.	-5.45	522.598	0	ACTIVE	0.12	20.3	344	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT	Stato	Ka	Lato RIGHT	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Scavo NORM.	-5.85	532.98	0	ACTIVE	0.12	20.3	344	0	0	0	0	0
Scavo NORM.	-6.25	543.529	0	ACTIVE	0.12	20.3	344	0	0	0	0	0
Scavo NORM.	-6.65	553.908	0	ACTIVE	0.12	20.3	344	0	0	0	0	0
Scavo NORM.	-7.05	564.289	0	ACTIVE	0.12	20.3	344	0	0	0	0	0
Scavo NORM.	-7.45	574.67	0	ACTIVE	0.12	20.3	344	0	0	0	0	0
Scavo NORM.	-7.85	585.052	0	ACTIVE	0.12	20.3	344	0	0.056	0	0	0
Scavo NORM.	-8.25	591.658	0	ACTIVE	0.12	20.3	344	3.777	0.056	0	3.777	0
Scavo NORM.	-8.65	598.264	13.134	UL-RL	0.12	20.3	344	7.553	0.056	0	20.687	0
Scavo NORM.	-9.05	604.871	31.571	UL-RL	0.12	20.3	344	11.33	0.056	0	42.9	0
Scavo NORM.	-9.45	611.478	45.843	UL-RL	0.12	20.3	344	15.106	0.056	0	60.949	0
Scavo NORM.	-9.85	618.086	54.606	UL-RL	0.12	20.3	344	18.883	0.056	0	73.489	0
Scavo NORM.	-10.25	624.695	59.492	UL-RL	0.12	20.3	344	22.659	0.056	0	82.151	0
Scavo NORM.	-10.65	631.304	62.443	UL-RL	0.12	20.3	344	26.436	0.056	0	88.878	0
Scavo NORM.	-11.05	638.05	64.75	UL-RL	0.12	20.3	344	30.212	0.056	0	94.962	0
Scavo NORM.	-11.45	644.658	67.013	UL-RL	0.12	20.3	344	33.989	0.056	0	101.002	0
Scavo NORM.	-11.85	651.266	69.393	UL-RL	0.12	20.3	344	37.765	0.056	0	107.158	0
Scavo NORM.	-12.25	657.875	71.865	UL-RL	0.12	20.3	344	41.542	0.056	0	113.407	0
Scavo NORM.	-12.65	664.484	74.361	UL-RL	0.12	20.3	344	45.318	0.056	0	119.679	0
Scavo NORM.	-13.05	671.093	76.832	UL-RL	0.12	20.3	344	49.095	0.056	0	125.927	0
Scavo NORM.	-13.45	677.703	79.258	UL-RL	0.12	20.3	344	52.872	0.056	0	132.129	0
Scavo NORM.	-13.85	684.313	81.635	UL-RL	0.12	20.3	344	56.648	0.056	0	138.283	0
Scavo NORM.	-14.25	690.924	83.971	UL-RL	0.12	20.3	344	60.425	0.056	0	144.396	0
Scavo NORM.	-14.65	697.534	86.273	UL-RL	0.12	20.3	344	64.201	0.056	0	150.474	0
Scavo NORM.	-15.05	704.145	88.547	UL-RL	0.12	20.3	344	67.978	0.056	0	156.524	0
Scavo NORM.	-15.45	710.875	90.797	UL-RL	0.12	20.3	344	71.754	0.056	0	162.551	0
Scavo NORM.	-15.85	717.485	93.028	UL-RL	0.12	20.3	344	75.531	0.056	0	168.558	0
Scavo NORM.	-16.25	724.096	95.241	UL-RL	0.12	20.3	344	79.307	0.056	0	174.548	0
Scavo NORM.	-16.65	730.707	97.441	UL-RL	0.12	20.3	344	83.084	0.056	0	180.525	0
Scavo NORM.	-17.05	737.318	99.634	UL-RL	0.12	20.3	344	86.86	0.056	0	186.494	0
Scavo NORM.	-17.3	741.492	101.004	UL-RL	0.12	20.3	344	89.221	0.056	0	190.224	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Sisma

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Sisma	15.7	0	0.043	UL-RL	0.361	3.222	14	0	0	0.043
Sisma	15.35	8.614	0.06	UL-RL	0.361	3.222	14	0	0	0.06
Sisma	14.95	17.205	0.08	UL-RL	0.361	3.222	14	0	0	0.08
Sisma	14.55	25.571	0.1	UL-RL	0.361	3.222	14	0	0	0.1
Sisma	14.15	33.869	0.118	UL-RL	0.361	3.222	14	0	0	0.118
Sisma	13.75	42.215	0.133	UL-RL	0.361	3.222	14	0	0	0.133
Sisma	13.35	50.628	1.596	UL-RL	0.361	3.222	14	0	0	1.596
Sisma	12.95	59.039	4.634	UL-RL	0.361	3.222	14	0	0	4.634
Sisma	12.55	67.441	7.656	UL-RL	0.361	3.222	14	0	0	7.656
Sisma	12.15	75.633	10.587	UL-RL	0.361	3.222	14	0	0	10.587
Sisma	11.75	84.041	13.573	UL-RL	0.361	3.222	14	0	0	13.573
Sisma	11.35	92.573	16.596	ACTIVE	0.361	3.222	14	0	0	16.596
Sisma	10.95	101.038	19.651	ACTIVE	0.361	3.222	14	0	0	19.651
Sisma	10.55	109.447	22.687	ACTIVE	0.361	3.222	14	0	0	22.687
Sisma	10.15	117.811	25.707	ACTIVE	0.361	3.222	14	0	0	25.707
Sisma	9.95	122.288	27.323	ACTIVE	0.361	3.222	14	0	0	27.323
Sisma	9.55	130.578	30.315	ACTIVE	0.361	3.222	14	0	0	30.315
Sisma	9.15	138.84	33.298	ACTIVE	0.361	3.222	14	0	0	33.298
Sisma	8.75	147.378	0.18	UL-RL	0.12	20.3	344	0	0	0.18
Sisma	8.35	157.996	0.421	UL-RL	0.12	20.3	344	0	0	0.421
Sisma	7.95	168.594	0.975	UL-RL	0.12	20.3	344	0	0	0.975
Sisma	7.55	179.177	2.864	UL-RL	0.12	20.3	344	0	0	2.864
Sisma	7.15	189.746	4.537	UL-RL	0.12	20.3	344	0	0	4.537
Sisma	6.75	200.302	4.598	UL-RL	0.12	20.3	344	0	0	4.598
Sisma	6.35	210.847	0.208	UL-RL	0.12	20.3	344	0	0	0.208
Sisma	5.95	221.382	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	5.55	232.266	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	5.15	242.771	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	4.75	253.269	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	4.35	263.762	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	3.95	274.249	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	3.55	284.731	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	3.15	295.209	0.552	UL-RL	0.12	20.3	344	0	0	0.552
Sisma	2.75	305.682	0.648	UL-RL	0.12	20.3	344	0	0	0.648
Sisma	2.35	316.152	0.572	UL-RL	0.12	20.3	344	0	0	0.572
Sisma	1.95	326.618	0.648	UL-RL	0.12	20.3	344	0	0	0.648
Sisma	1.55	337.082	0.717	UL-RL	0.12	20.3	344	0	0	0.717
Sisma	1.15	347.541	1.214	UL-RL	0.12	20.3	344	0	0	1.214
Sisma	0.75	358.242	1.88	UL-RL	0.12	20.3	344	0	0	1.88
Sisma	0.35	368.691	1.931	UL-RL	0.12	20.3	344	0	0	1.931
Sisma	-0.05	379.137	0.08	UL-RL	0.12	20.3	344	0	0	0.08
Sisma	-0.45	389.581	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-0.85	400.024	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-1.25	410.464	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-1.45	415.79	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-1.85	426.226	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-2.25	436.66	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-2.65	447.093	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-3.05	457.525	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-3.45	467.956	5.55	UL-RL	0.12	20.3	344	0	0	5.55
Sisma	-3.85	478.385	5.746	UL-RL	0.12	20.3	344	0	0	5.746
Sisma	-4.25	488.814	3.78	UL-RL	0.12	20.3	344	0	0	3.78

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Ka	Lato LEFT	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Sisma	-4.65	499.241	1.535	UL-RL	0.12	20.3	344	0	0	0	1.535	
Sisma	-5.05	509.668	0.042	UL-RL	0.12	20.3	344	0	0	0	0.042	
Sisma	-5.45	520.093	0.015	UL-RL	0.12	20.3	344	0	0	0	0.015	
Sisma	-5.85	530.518	0.004	UL-RL	0.12	20.3	344	0	0	0	0.004	
Sisma	-6.25	541.109	0	ACTIVE	0.12	20.3	344	0	0	0	0	
Sisma	-6.65	551.529	0	ACTIVE	0.12	20.3	344	0	0	0	0	
Sisma	-7.05	561.948	0	ACTIVE	0.12	20.3	344	0	0	0	0	
Sisma	-7.45	572.368	0	ACTIVE	0.12	20.3	344	0	0	0	0	
Sisma	-7.85	582.786	0	ACTIVE	0.12	20.3	344	0	0.056	0	0	
Sisma	-8.25	589.427	0	ACTIVE	0.12	20.3	344	3.777	0.056	0	3.777	
Sisma	-8.65	596.068	0	ACTIVE	0.12	20.3	344	7.553	0.056	0	7.553	
Sisma	-9.05	602.708	0	ACTIVE	0.12	20.3	344	11.33	0.056	0	11.33	
Sisma	-9.45	609.348	0	ACTIVE	0.12	20.3	344	15.106	0.056	0	15.106	
Sisma	-9.85	615.988	60.716	UL-RL	0.12	20.3	344	18.883	0.056	0	79.599	
Sisma	-10.25	622.626	78.089	UL-RL	0.12	20.3	344	22.659	0.056	0	100.748	
Sisma	-10.65	629.265	74.538	UL-RL	0.12	20.3	344	26.436	0.056	0	100.974	
Sisma	-11.05	636.04	67.262	UL-RL	0.12	20.3	344	30.212	0.056	0	97.474	
Sisma	-11.45	642.676	62.841	UL-RL	0.12	20.3	344	33.989	0.056	0	96.83	
Sisma	-11.85	649.311	62.072	UL-RL	0.12	20.3	344	37.765	0.056	0	99.837	
Sisma	-12.25	655.946	63.707	UL-RL	0.12	20.3	344	41.542	0.056	0	105.249	
Sisma	-12.65	662.581	66.391	UL-RL	0.12	20.3	344	45.318	0.056	0	111.71	
Sisma	-13.05	669.216	69.283	UL-RL	0.12	20.3	344	49.095	0.056	0	118.378	
Sisma	-13.45	675.85	72.031	UL-RL	0.12	20.3	344	52.872	0.056	0	124.903	
Sisma	-13.85	682.484	74.574	UL-RL	0.12	20.3	344	56.648	0.056	0	131.222	
Sisma	-14.25	689.118	76.962	UL-RL	0.12	20.3	344	60.425	0.056	0	137.387	
Sisma	-14.65	695.751	79.262	UL-RL	0.12	20.3	344	64.201	0.056	0	143.463	
Sisma	-15.05	702.384	81.519	UL-RL	0.12	20.3	344	67.978	0.056	0	149.497	
Sisma	-15.45	709.135	83.756	UL-RL	0.12	20.3	344	71.754	0.056	0	155.51	
Sisma	-15.85	715.766	85.979	UL-RL	0.12	20.3	344	75.531	0.056	0	161.51	
Sisma	-16.25	722.397	88.19	UL-RL	0.12	20.3	344	79.307	0.056	0	167.497	
Sisma	-16.65	729.028	90.391	UL-RL	0.12	20.3	344	83.084	0.056	0	173.475	
Sisma	-17.05	735.659	92.585	UL-RL	0.12	20.3	344	86.86	0.056	0	179.446	
Sisma	-17.3	739.845	93.956	UL-RL	0.12	20.3	344	89.221	0.056	0	183.177	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Sisma	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-5.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Sisma	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-8.65	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-9.05	3.088	172.32	V-C	0.12	6.541	344	2.112	0.056	0	174.432
Sisma	-9.45	9.265	92.803	UL-RL	0.12	6.541	344	6.335	0.056	0	99.138
Sisma	-9.85	15.441	59.299	UL-RL	0.12	6.541	344	10.559	0.056	0	69.858
Sisma	-10.25	21.618	54.157	UL-RL	0.12	6.541	344	14.782	0.056	0	68.939
Sisma	-10.65	27.794	60.59	UL-RL	0.12	6.541	344	19.006	0.056	0	79.595
Sisma	-11.05	33.971	68.871	UL-RL	0.12	6.541	344	23.229	0.056	0	92.1
Sisma	-11.45	40.147	75.302	UL-RL	0.12	6.541	344	27.453	0.056	0	102.754
Sisma	-11.85	46.324	79.474	UL-RL	0.12	6.541	344	31.676	0.056	0	111.15
Sisma	-12.25	52.501	82.137	UL-RL	0.12	6.541	344	35.899	0.056	0	118.036
Sisma	-12.65	58.677	84.092	UL-RL	0.12	6.541	344	40.123	0.056	0	124.215
Sisma	-13.05	64.854	85.843	UL-RL	0.12	6.541	344	44.346	0.056	0	130.189
Sisma	-13.45	71.03	87.603	UL-RL	0.12	6.541	344	48.57	0.056	0	136.173
Sisma	-13.85	77.207	89.42	UL-RL	0.12	6.541	344	52.793	0.056	0	142.214
Sisma	-14.25	83.383	91.273	UL-RL	0.12	6.541	344	57.017	0.056	0	148.29
Sisma	-14.65	89.56	93.13	UL-RL	0.12	6.541	344	61.24	0.056	0	154.37
Sisma	-15.05	95.736	94.971	UL-RL	0.12	6.541	344	65.464	0.056	0	160.434
Sisma	-15.45	101.913	96.788	UL-RL	0.12	6.541	344	69.687	0.056	0	166.475
Sisma	-15.85	108.089	98.58	UL-RL	0.12	6.541	344	73.911	0.056	0	172.491
Sisma	-16.25	114.266	100.351	UL-RL	0.12	6.541	344	78.134	0.056	0	178.485
Sisma	-16.65	120.442	102.103	UL-RL	0.12	6.541	344	82.357	0.056	0	184.46
Sisma	-17.05	126.619	103.835	UL-RL	0.12	6.541	344	86.581	0.056	0	190.416
Sisma	-17.3	130.479	104.908	UL-RL	0.12	6.541	344	89.221	0.056	0	194.129

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Sisma

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Sisma	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-4.25	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		LEFT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Sisma	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-8.65	0	0	REMOVED	0	0	0	0	0	0	0
Sisma	-9.05	3.088	60.344	UL-RL	0.12	6.541	344	2.112	0.056	0	62.456
Sisma	-9.45	9.265	58.595	UL-RL	0.12	6.541	344	6.335	0.056	0	64.93
Sisma	-9.85	15.441	58.69	UL-RL	0.12	6.541	344	10.559	0.056	0	69.249
Sisma	-10.25	21.618	60.616	UL-RL	0.12	6.541	344	14.782	0.056	0	75.398
Sisma	-10.65	27.794	63.368	UL-RL	0.12	6.541	344	19.006	0.056	0	82.373
Sisma	-11.05	33.971	66.223	UL-RL	0.12	6.541	344	23.229	0.056	0	89.452
Sisma	-11.45	40.147	68.869	UL-RL	0.12	6.541	344	27.453	0.056	0	96.322
Sisma	-11.85	46.324	71.258	UL-RL	0.12	6.541	344	31.676	0.056	0	102.934
Sisma	-12.25	52.501	73.446	UL-RL	0.12	6.541	344	35.899	0.056	0	109.345
Sisma	-12.65	58.677	75.508	UL-RL	0.12	6.541	344	40.123	0.056	0	115.631
Sisma	-13.05	64.854	77.496	UL-RL	0.12	6.541	344	44.346	0.056	0	121.842
Sisma	-13.45	71.03	79.438	UL-RL	0.12	6.541	344	48.57	0.056	0	128.008
Sisma	-13.85	77.207	81.348	UL-RL	0.12	6.541	344	52.793	0.056	0	134.141
Sisma	-14.25	83.383	83.23	UL-RL	0.12	6.541	344	57.017	0.056	0	140.246
Sisma	-14.65	89.56	85.085	UL-RL	0.12	6.541	344	61.24	0.056	0	146.325
Sisma	-15.05	95.736	86.916	UL-RL	0.12	6.541	344	65.464	0.056	0	152.38
Sisma	-15.45	101.913	88.725	UL-RL	0.12	6.541	344	69.687	0.056	0	158.412
Sisma	-15.85	108.089	90.513	UL-RL	0.12	6.541	344	73.911	0.056	0	164.423
Sisma	-16.25	114.266	92.28	UL-RL	0.12	6.541	344	78.134	0.056	0	170.414
Sisma	-16.65	120.442	94.028	UL-RL	0.12	6.541	344	82.357	0.056	0	176.385
Sisma	-17.05	126.619	95.754	UL-RL	0.12	6.541	344	86.581	0.056	0	182.335
Sisma	-17.3	130.479	96.823	UL-RL	0.12	6.541	344	89.221	0.056	0	186.043

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Sisma	15.7	0	18.476	UL-RL	0.361	3.222	14	0	0	18.476
Sisma	15.35	8.614	14.447	UL-RL	0.361	3.222	14	0	0	14.447
Sisma	14.95	17.205	9.645	UL-RL	0.361	3.222	14	0	0	9.645
Sisma	14.55	25.571	8.19	UL-RL	0.361	3.222	14	0	0	8.19
Sisma	14.15	33.869	7.287	UL-RL	0.361	3.222	14	0	0	7.287
Sisma	13.75	42.215	9.718	UL-RL	0.361	3.222	14	0	0	9.718
Sisma	13.35	50.628	12.812	UL-RL	0.361	3.222	14	0	0	12.812
Sisma	12.95	59.039	16.081	UL-RL	0.361	3.222	14	0	0	16.081
Sisma	12.55	67.441	19.436	UL-RL	0.361	3.222	14	0	0	19.436
Sisma	12.15	75.633	22.445	UL-RL	0.361	3.222	14	0	0	22.445
Sisma	11.75	84.041	25.308	UL-RL	0.361	3.222	14	0	0	25.308
Sisma	11.35	92.573	27.708	UL-RL	0.361	3.222	14	0	0	27.708
Sisma	10.95	101.038	29.238	UL-RL	0.361	3.222	14	0	0	29.238
Sisma	10.55	109.447	31.131	UL-RL	0.361	3.222	14	0	0	31.131
Sisma	10.15	117.811	33.007	UL-RL	0.361	3.222	14	0	0	33.007
Sisma	9.95	122.288	34.213	UL-RL	0.361	3.222	14	0	0	34.213
Sisma	9.55	130.578	35.971	UL-RL	0.361	3.222	14	0	0	35.971
Sisma	9.15	138.84	38.398	UL-RL	0.361	3.222	14	0	0	38.398
Sisma	8.75	147.378	62.799	UL-RL	0.12	20.3	344	0	0	62.799
Sisma	8.35	157.996	8.121	UL-RL	0.12	20.3	344	0	0	8.121
Sisma	7.95	168.594	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	7.55	179.177	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	7.15	189.746	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	6.75	200.302	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	6.35	210.847	0.473	UL-RL	0.12	20.3	344	0	0	0.473
Sisma	5.95	221.382	11.873	UL-RL	0.12	20.3	344	0	0	11.873
Sisma	5.55	232.266	32.261	UL-RL	0.12	20.3	344	0	0	32.261
Sisma	5.15	242.771	43.55	UL-RL	0.12	20.3	344	0	0	43.55
Sisma	4.75	253.269	35.755	UL-RL	0.12	20.3	344	0	0	35.755
Sisma	4.35	263.762	20.729	UL-RL	0.12	20.3	344	0	0	20.729
Sisma	3.95	274.249	7.528	UL-RL	0.12	20.3	344	0	0	7.528
Sisma	3.55	284.731	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	3.15	295.209	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	2.75	305.682	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	2.35	316.152	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	1.95	326.618	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	1.55	337.082	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	1.15	347.541	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	0.75	358.242	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	0.35	368.691	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-0.05	379.137	3.135	UL-RL	0.12	20.3	344	0	0	3.135
Sisma	-0.45	389.581	19.021	UL-RL	0.12	20.3	344	0	0	19.021
Sisma	-0.85	400.024	37.865	UL-RL	0.12	20.3	344	0	0	37.865
Sisma	-1.25	410.464	55.516	UL-RL	0.12	20.3	344	0	0	55.516
Sisma	-1.45	415.79	59.046	UL-RL	0.12	20.3	344	0	0	59.046
Sisma	-1.85	426.226	47.079	UL-RL	0.12	20.3	344	0	0	47.079
Sisma	-2.25	436.66	25.475	UL-RL	0.12	20.3	344	0	0	25.475
Sisma	-2.65	447.093	5.432	UL-RL	0.12	20.3	344	0	0	5.432
Sisma	-3.05	457.525	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-3.45	467.956	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-3.85	478.385	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-4.25	488.814	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-4.65	499.241	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-5.05	509.668	0	ACTIVE	0.12	20.3	344	0	0	0
Sisma	-5.45	520.093	0	ACTIVE	0.12	20.3	344	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

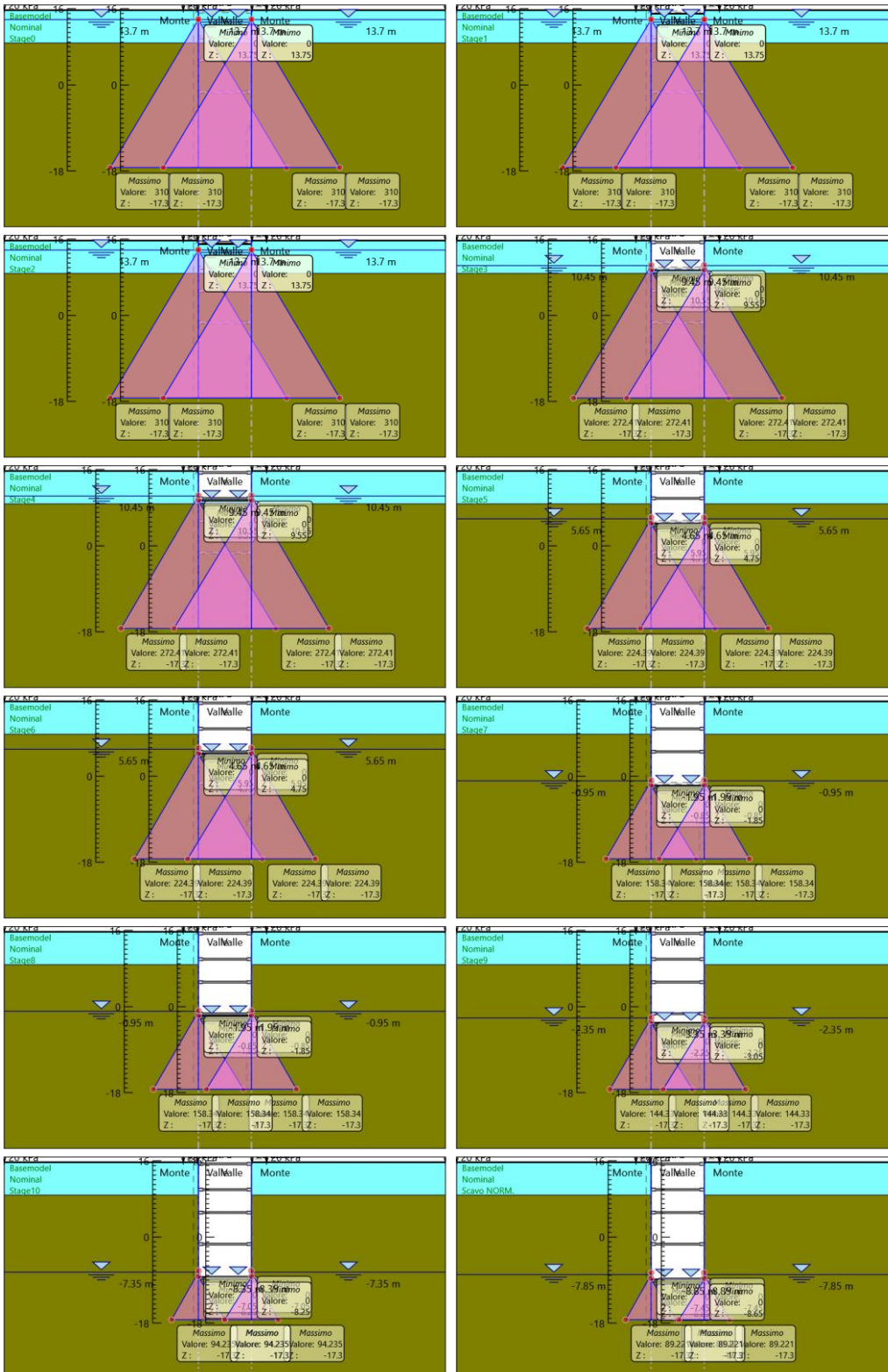
Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Sisma	-5.85	530.518	0	ACTIVE	0.12	20.3	344	0	0	0	0
Sisma	-6.25	541.109	0	ACTIVE	0.12	20.3	344	0	0	0	0
Sisma	-6.65	551.529	0	ACTIVE	0.12	20.3	344	0	0	0	0
Sisma	-7.05	561.948	0	ACTIVE	0.12	20.3	344	0	0	0	0
Sisma	-7.45	572.368	0	ACTIVE	0.12	20.3	344	0	0	0	0
Sisma	-7.85	582.786	0	ACTIVE	0.12	20.3	344	0	0.056	0	0
Sisma	-8.25	589.427	0	ACTIVE	0.12	20.3	344	3.777	0.056	0	3.777
Sisma	-8.65	596.068	13.471	UL-RL	0.12	20.3	344	7.553	0.056	0	21.024
Sisma	-9.05	602.708	35.546	UL-RL	0.12	20.3	344	11.33	0.056	0	46.875
Sisma	-9.45	609.348	52.046	UL-RL	0.12	20.3	344	15.106	0.056	0	67.152
Sisma	-9.85	615.988	61.775	UL-RL	0.12	20.3	344	18.883	0.056	0	80.658
Sisma	-10.25	622.626	66.865	UL-RL	0.12	20.3	344	22.659	0.056	0	89.524
Sisma	-10.65	629.265	69.711	UL-RL	0.12	20.3	344	26.436	0.056	0	96.147
Sisma	-11.05	636.04	71.864	UL-RL	0.12	20.3	344	30.212	0.056	0	102.076
Sisma	-11.45	642.676	74.019	UL-RL	0.12	20.3	344	33.989	0.056	0	108.008
Sisma	-11.85	649.311	76.349	UL-RL	0.12	20.3	344	37.765	0.056	0	114.115
Sisma	-12.25	655.946	78.809	UL-RL	0.12	20.3	344	41.542	0.056	0	120.351
Sisma	-12.65	662.581	81.309	UL-RL	0.12	20.3	344	45.318	0.056	0	126.628
Sisma	-13.05	669.216	83.789	UL-RL	0.12	20.3	344	49.095	0.056	0	132.884
Sisma	-13.45	675.85	86.22	UL-RL	0.12	20.3	344	52.872	0.056	0	139.092
Sisma	-13.85	682.484	88.602	UL-RL	0.12	20.3	344	56.648	0.056	0	145.25
Sisma	-14.25	689.118	90.939	UL-RL	0.12	20.3	344	60.425	0.056	0	151.364
Sisma	-14.65	695.751	93.242	UL-RL	0.12	20.3	344	64.201	0.056	0	157.442
Sisma	-15.05	702.384	95.516	UL-RL	0.12	20.3	344	67.978	0.056	0	163.493
Sisma	-15.45	709.135	97.767	UL-RL	0.12	20.3	344	71.754	0.056	0	169.521
Sisma	-15.85	715.766	99.998	UL-RL	0.12	20.3	344	75.531	0.056	0	175.529
Sisma	-16.25	722.397	102.215	UL-RL	0.12	20.3	344	79.307	0.056	0	181.522
Sisma	-16.65	729.028	104.423	UL-RL	0.12	20.3	344	83.084	0.056	0	187.507
Sisma	-17.05	735.659	106.629	UL-RL	0.12	20.3	344	86.86	0.056	0	193.489
Sisma	-17.3	739.845	108.007	UL-RL	0.12	20.3	344	89.221	0.056	0	197.228

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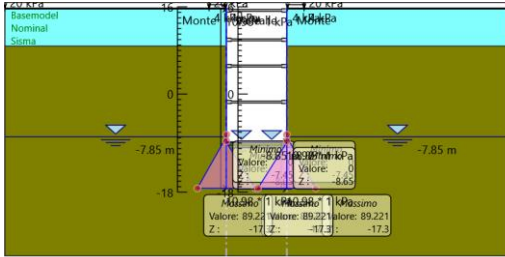
Grafico Risultati Terreno Pressione neutra



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
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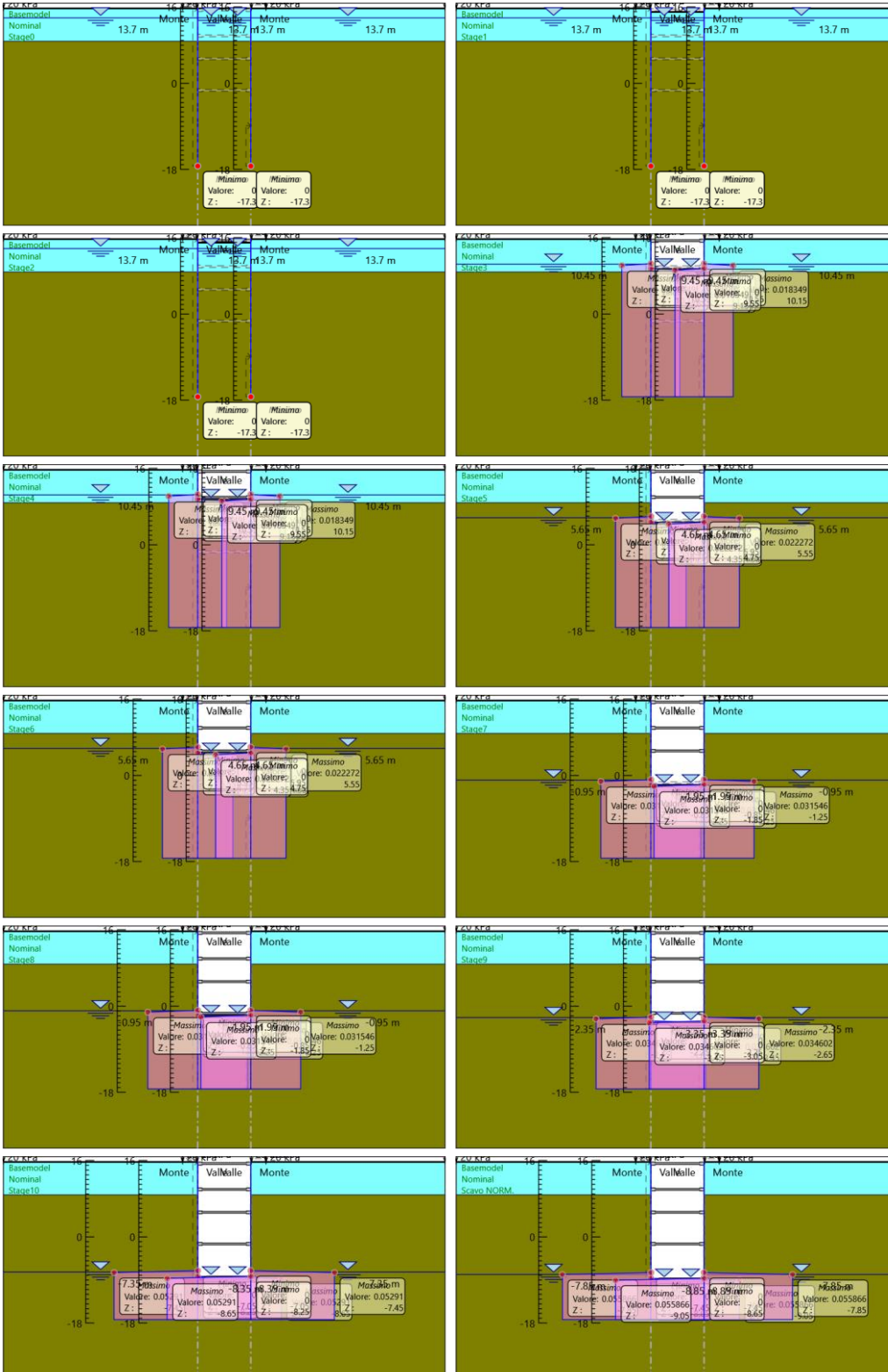


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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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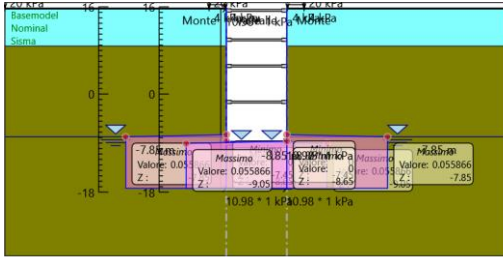
Grafico Risultati Terreno Gradiente idraulico



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Riepilogo spinte

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	LEFT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage0	2390.1	4805.1	7195.2	56.6	248773.2	0.96%	42.23
Stage1	2337.3	4805.1	7142.4	56.6	248773.2	0.94%	41.3
Stage2	2337.3	4805.1	7142.3	56.6	248773.2	0.94%	41.3
Stage3	1971.3	3779.8	5751.1	93.3	267849.4	0.74%	21.13
Stage4	1971.3	3779.8	5751.1	93.3	267849.4	0.74%	21.13
Stage5	1677.5	2575	4252.5	97.2	292119.2	0.57%	17.26
Stage6	1677.5	2575	4252.5	97.2	292119.2	0.57%	17.26
Stage7	1231.2	1294.6	2525.8	97.2	318111.6	0.39%	12.67
Stage8	1231.1	1294.6	2525.7	97.2	318111.6	0.39%	12.67
Stage9	1140.3	1079	2219.3	97.2	322488.4	0.35%	11.73
Stage10	791.3	469	1260.2	97.2	334871.9	0.24%	8.14
Scavo NORM.	760.3	421.6	1181.8	97.2	335834	0.23%	7.82
Sisma	672.7	421.6	1094.3	79.9	333974.5	0.2%	8.42

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	RIGHT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage0	2390.1	4805.1	7195.2	30.2	240870.3	0.99%	79.14
Stage1	2337.2	4805.1	7142.3	12.1	232541.4	1.01%	193.16
Stage2	2337.2	4805.1	7142.3	12.1	232541.4	1.01%	193.16
Stage3	2085.4	3643.6	5729	0	194156.9	1.07%	∞
Stage4	2085.4	3643.6	5729	0	194156.9	1.07%	∞
Stage5	1676.4	2462.8	4139.2	0	144891.4	1.16%	∞
Stage6	1676.4	2462.8	4139.2	0	144891.4	1.16%	∞
Stage7	1192.1	1215.4	2407.5	0	84787.7	1.41%	∞
Stage8	1192.1	1215.4	2407.5	0	84787.7	1.41%	∞
Stage9	1092	1006.8	2098.8	0	74477.2	1.47%	∞
Stage10	717.8	421.9	1139.6	0	40016.6	1.79%	∞
Scavo NORM.	684.1	377.2	1061.2	0	37390.6	1.83%	∞
Sisma	754.5	377.2	1131.7	0	18476.4	4.08%	∞

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro:	RIGHT	Lato	LEFT	Percentuale di resistenza massima	Vera / Attiva
		Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)		
Stage0	2390.1	4805.1	7195.2	30.2	240870.3	0.99%	79.14
Stage1	2337.2	4805.1	7142.3	12.1	232541.4	1.01%	193.16
Stage2	2337.2	4805.1	7142.3	12.1	232541.4	1.01%	193.16
Stage3	2085.4	3643.6	5729	0	194156.9	1.07%	∞
Stage4	2085.4	3643.6	5729	0	194156.9	1.07%	∞
Stage5	1676.4	2462.8	4139.2	0	144891.4	1.16%	∞
Stage6	1676.4	2462.8	4139.2	0	144891.4	1.16%	∞
Stage7	1192.1	1215.4	2407.5	0	84787.7	1.41%	∞
Stage8	1192.1	1215.4	2407.5	0	84787.7	1.41%	∞
Stage9	1092	1006.8	2098.8	0	74477.2	1.47%	∞
Stage10	717.8	421.9	1139.6	0	40016.6	1.79%	∞
Scavo NORM.	684.1	377.2	1061.2	0	37390.6	1.83%	∞
Sisma	649.6	377.2	1026.8	0	18476.4	3.52%	∞

Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro:	RIGHT	Lato	RIGHT	Percentuale di resistenza massima	Vera / Attiva
		Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)		
Stage0	2390.1	4805.1	7195.2	56.6	248773.2	0.96%	42.23
Stage1	2337.3	4805.1	7142.4	56.6	248773.2	0.94%	41.3
Stage2	2337.3	4805.1	7142.3	56.6	248773.2	0.94%	41.3
Stage3	1971.3	3779.8	5751.1	93.3	267849.4	0.74%	21.13
Stage4	1971.3	3779.8	5751.1	93.3	267849.4	0.74%	21.13
Stage5	1677.5	2575	4252.5	97.2	292119.2	0.57%	17.26
Stage6	1677.5	2575	4252.5	97.2	292119.2	0.57%	17.26
Stage7	1231.2	1294.6	2525.8	97.2	318111.6	0.39%	12.67
Stage8	1231.1	1294.6	2525.7	97.2	318111.6	0.39%	12.67
Stage9	1140.3	1079	2219.3	97.2	322488.4	0.35%	11.73
Stage10	791.3	469	1260.2	97.2	334871.9	0.24%	8.14
Scavo NORM.	760.3	421.6	1181.8	97.2	335834	0.23%	7.82
Sisma	1022.9	421.6	1444.5	79.9	333974.5	0.31%	12.8

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1



PARATIE plus™
2014.7

Report di Calcolo

Nome Progetto: MyProject

Autore: Engineer

Jobname:

Data:

Design Section: Basemodel

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Sommario
Contenuto Sommario

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Descrizione Pareti

X : 0 m

Quota in alto : 15.7 m

Quota di fondo : -17.3 m

Muro di sinistra

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

Spessore : 0.02 m

Diametro : 0.1937 m



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

X : 0 m

Quota in alto : 15.7 m

Quota di fondo : -17.3 m

Muro di sinistra

X : 10.94 m

Quota in alto : 15.7 m

Quota di fondo : -17.3 m

Muro di destra

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

Spessore : 0.02 m

Diametro : 0.1937 m

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

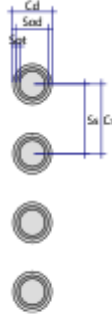
Spessore : 0.02 m

Diametro : 0.1937 m

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1



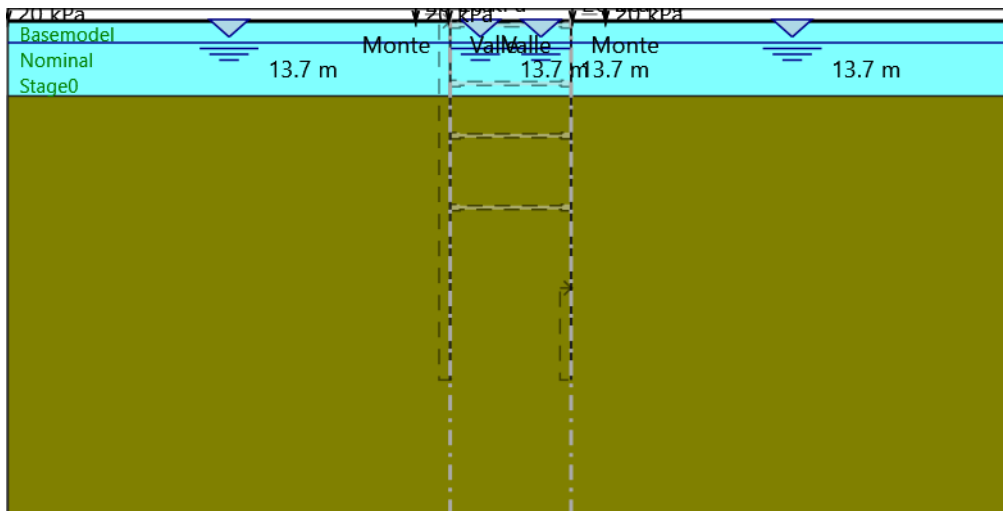
PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Fasi di Calcolo

Stage0



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage1



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage2

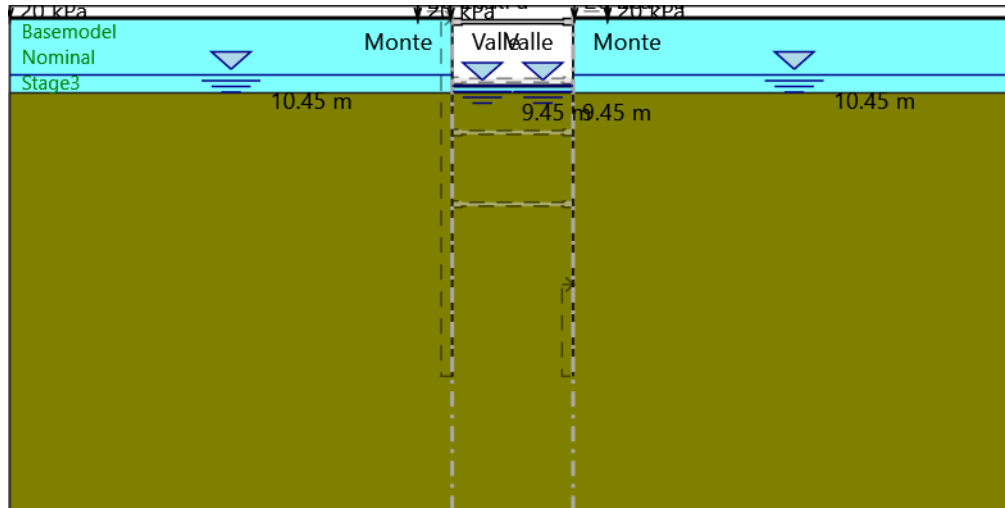


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage3

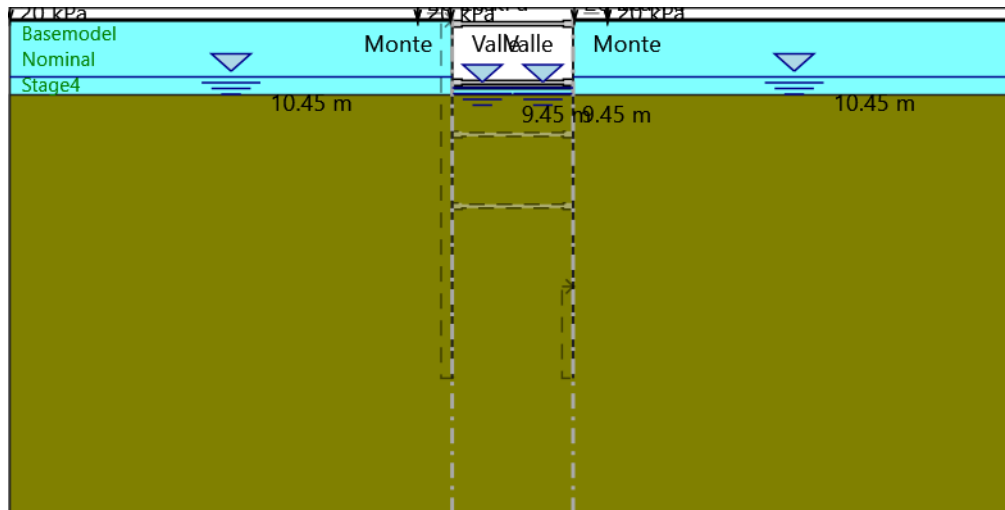


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage4

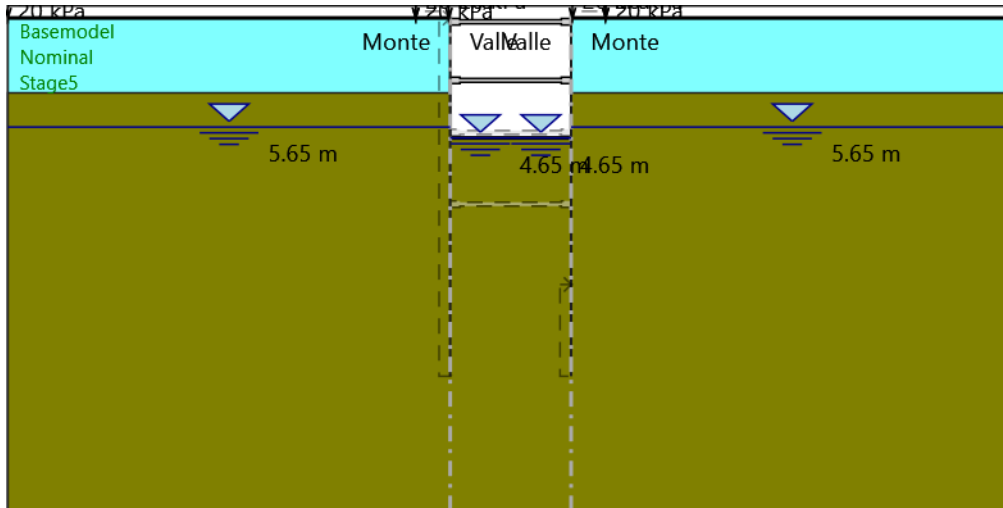


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage5

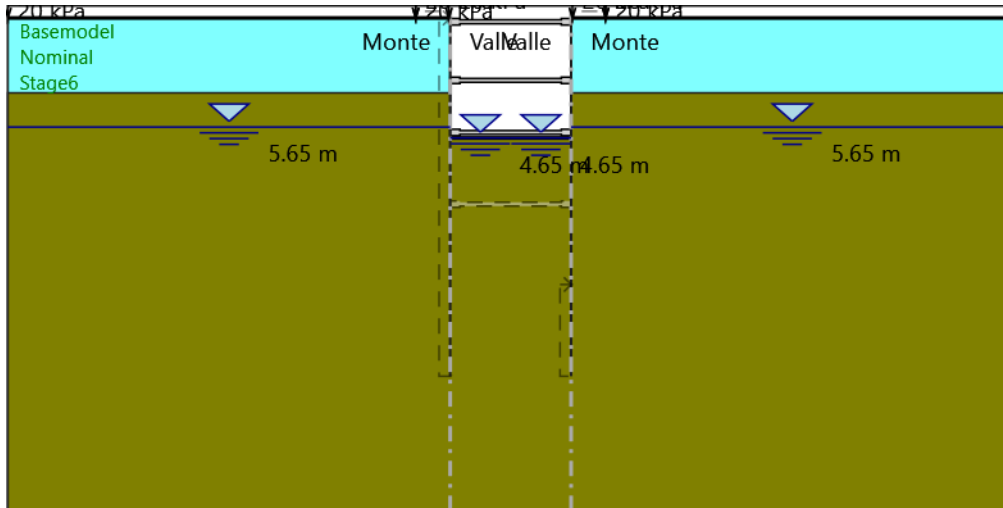


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage6

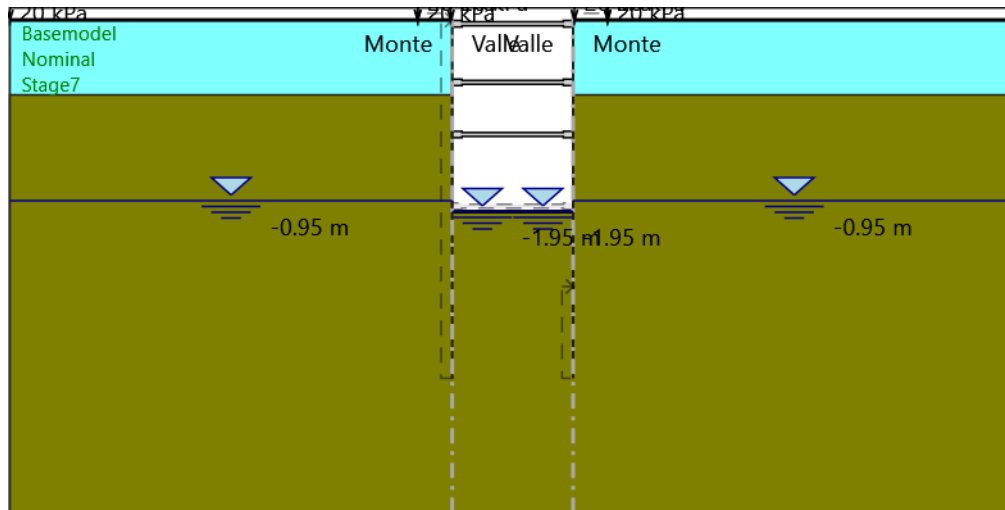


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage7

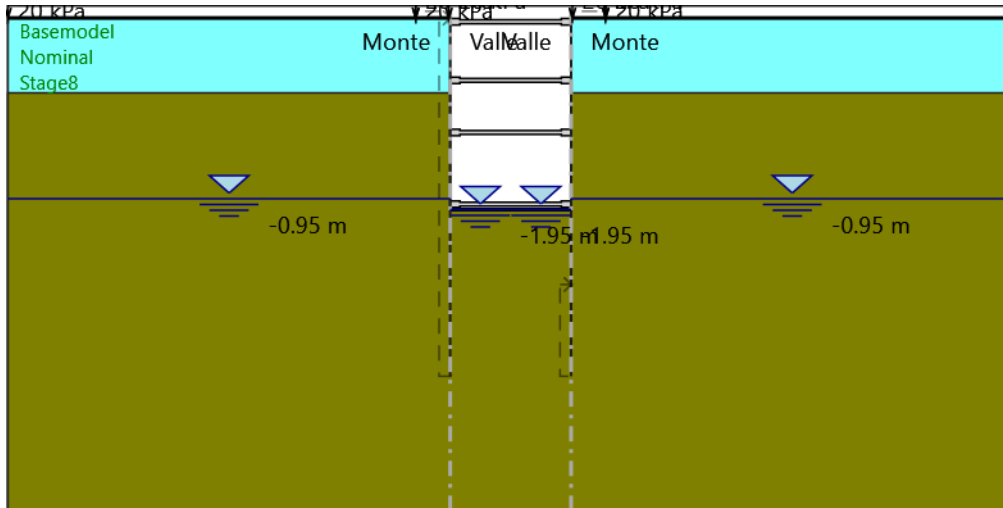


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage8

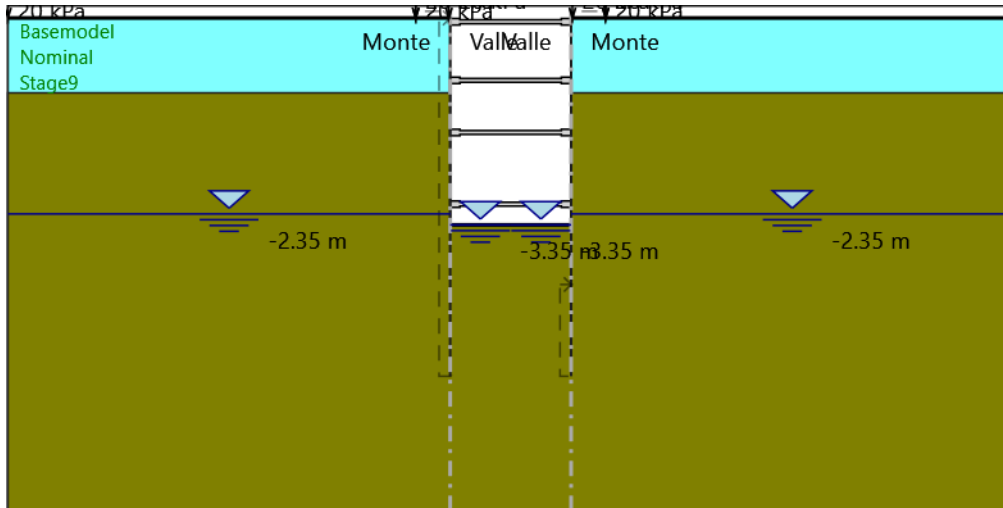


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage9

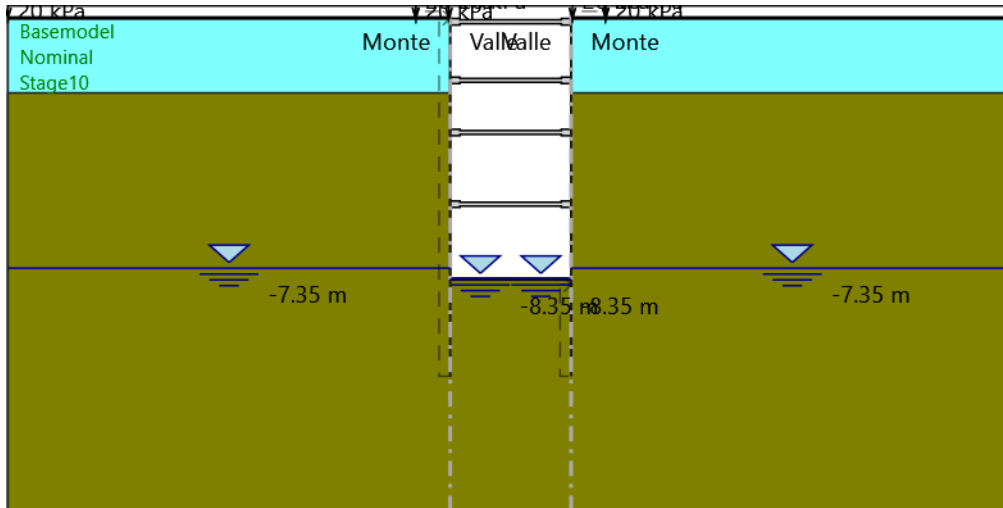


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage10

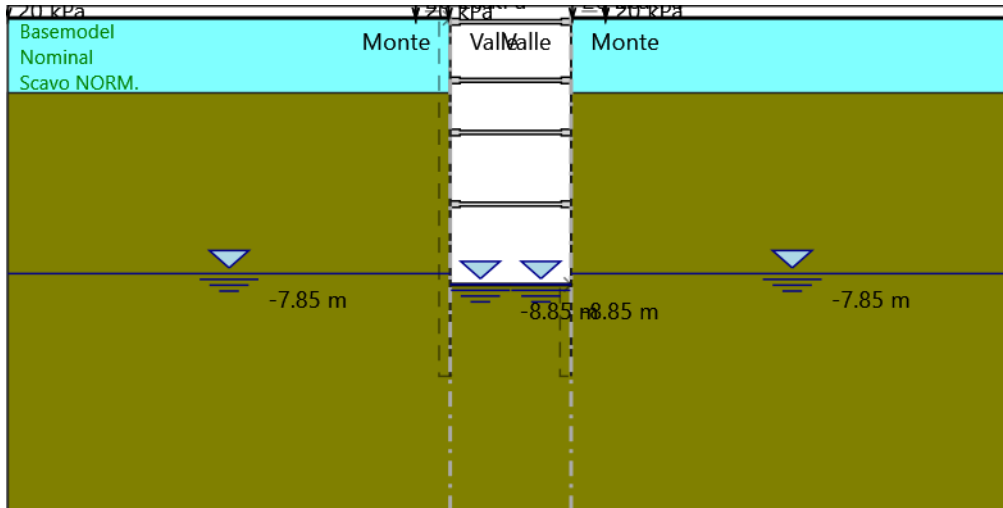


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Scavo NORM.



PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Grafici dei Risultati

Design Assumption : Nominal

Tabella Spostamento Nominal - LEFT Stage: Stage0

Design Assumption: Nominal Tipo Risultato: Spostamento		Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage0	15.7	0
Stage0	15.35	0
Stage0	14.95	0
Stage0	14.55	0
Stage0	14.15	0
Stage0	13.75	0
Stage0	13.35	0
Stage0	12.95	0
Stage0	12.55	0
Stage0	12.15	0
Stage0	11.75	0
Stage0	11.35	0
Stage0	10.95	0
Stage0	10.55	0
Stage0	10.15	0
Stage0	9.95	0
Stage0	9.55	0
Stage0	9.15	0
Stage0	8.75	0
Stage0	8.35	0
Stage0	7.95	0
Stage0	7.55	0
Stage0	7.15	0
Stage0	6.75	0
Stage0	6.35	0
Stage0	5.95	0
Stage0	5.55	0
Stage0	5.15	0
Stage0	4.75	0
Stage0	4.35	0
Stage0	3.95	0
Stage0	3.55	0
Stage0	3.15	0
Stage0	2.75	0
Stage0	2.35	0
Stage0	1.95	0
Stage0	1.55	0
Stage0	1.15	0
Stage0	0.75	0
Stage0	0.35	0
Stage0	-0.05	0
Stage0	-0.45	0
Stage0	-0.85	0
Stage0	-1.25	0
Stage0	-1.45	0
Stage0	-1.85	0
Stage0	-2.25	0
Stage0	-2.65	0
Stage0	-3.05	0
Stage0	-3.45	0
Stage0	-3.85	0
Stage0	-4.25	0
Stage0	-4.65	0
Stage0	-5.05	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage0	-5.45	0
Stage0	-5.85	0
Stage0	-6.25	0
Stage0	-6.65	0
Stage0	-7.05	0
Stage0	-7.45	0
Stage0	-7.85	0
Stage0	-8.25	0
Stage0	-8.65	0
Stage0	-9.05	0
Stage0	-9.45	0
Stage0	-9.85	0
Stage0	-10.25	0
Stage0	-10.65	0
Stage0	-11.05	0
Stage0	-11.45	0
Stage0	-11.85	0
Stage0	-12.25	0
Stage0	-12.65	0
Stage0	-13.05	0
Stage0	-13.45	0
Stage0	-13.85	0
Stage0	-14.25	0
Stage0	-14.65	0
Stage0	-15.05	0
Stage0	-15.45	0
Stage0	-15.85	0
Stage0	-16.25	0
Stage0	-16.65	0
Stage0	-17.05	0
Stage0	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage0

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage0	15.7	0
Stage0	15.35	0
Stage0	14.95	0
Stage0	14.55	0
Stage0	14.15	0
Stage0	13.75	0
Stage0	13.35	0
Stage0	12.95	0
Stage0	12.55	0
Stage0	12.15	0
Stage0	11.75	0
Stage0	11.35	0
Stage0	10.95	0
Stage0	10.55	0
Stage0	10.15	0
Stage0	9.95	0
Stage0	9.55	0
Stage0	9.15	0
Stage0	8.75	0
Stage0	8.35	0
Stage0	7.95	0
Stage0	7.55	0
Stage0	7.15	0
Stage0	6.75	0
Stage0	6.35	0
Stage0	5.95	0
Stage0	5.55	0
Stage0	5.15	0
Stage0	4.75	0
Stage0	4.35	0
Stage0	3.95	0
Stage0	3.55	0
Stage0	3.15	0
Stage0	2.75	0
Stage0	2.35	0
Stage0	1.95	0
Stage0	1.55	0
Stage0	1.15	0
Stage0	0.75	0
Stage0	0.35	0
Stage0	-0.05	0
Stage0	-0.45	0
Stage0	-0.85	0
Stage0	-1.25	0
Stage0	-1.45	0
Stage0	-1.85	0
Stage0	-2.25	0
Stage0	-2.65	0
Stage0	-3.05	0
Stage0	-3.45	0
Stage0	-3.85	0
Stage0	-4.25	0
Stage0	-4.65	0
Stage0	-5.05	0
Stage0	-5.45	0
Stage0	-5.85	0
Stage0	-6.25	0
Stage0	-6.65	0
Stage0	-7.05	0
Stage0	-7.45	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage0	-7.85	0
Stage0	-8.25	0
Stage0	-8.65	0
Stage0	-9.05	0
Stage0	-9.45	0
Stage0	-9.85	0
Stage0	-10.25	0
Stage0	-10.65	0
Stage0	-11.05	0
Stage0	-11.45	0
Stage0	-11.85	0
Stage0	-12.25	0
Stage0	-12.65	0
Stage0	-13.05	0
Stage0	-13.45	0
Stage0	-13.85	0
Stage0	-14.25	0
Stage0	-14.65	0
Stage0	-15.05	0
Stage0	-15.45	0
Stage0	-15.85	0
Stage0	-16.25	0
Stage0	-16.65	0
Stage0	-17.05	0
Stage0	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - LEFT Stage: Stage1

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage1	15.7	0.29	
Stage1	15.35	0.24	
Stage1	14.95	0.18	
Stage1	14.55	0.13	
Stage1	14.15	0.09	
Stage1	13.75	0.06	
Stage1	13.35	0.04	
Stage1	12.95	0.03	
Stage1	12.55	0.02	
Stage1	12.15	0.02	
Stage1	11.75	0.03	
Stage1	11.35	0.03	
Stage1	10.95	0.03	
Stage1	10.55	0.03	
Stage1	10.15	0.02	
Stage1	9.95	0.02	
Stage1	9.55	0.02	
Stage1	9.15	0.01	
Stage1	8.75	0	
Stage1	8.35	0	
Stage1	7.95	0	
Stage1	7.55	0	
Stage1	7.15	0	
Stage1	6.75	0	
Stage1	6.35	0	
Stage1	5.95	0	
Stage1	5.55	0	
Stage1	5.15	0	
Stage1	4.75	0	
Stage1	4.35	0	
Stage1	3.95	0	
Stage1	3.55	0	
Stage1	3.15	0	
Stage1	2.75	0	
Stage1	2.35	0	
Stage1	1.95	0	
Stage1	1.55	0	
Stage1	1.15	0	
Stage1	0.75	0	
Stage1	0.35	0	
Stage1	-0.05	0	
Stage1	-0.45	0	
Stage1	-0.85	0	
Stage1	-1.25	0	
Stage1	-1.45	0	
Stage1	-1.85	0	
Stage1	-2.25	0	
Stage1	-2.65	0	
Stage1	-3.05	0	
Stage1	-3.45	0	
Stage1	-3.85	0	
Stage1	-4.25	0	
Stage1	-4.65	0	
Stage1	-5.05	0	
Stage1	-5.45	0	
Stage1	-5.85	0	
Stage1	-6.25	0	
Stage1	-6.65	0	
Stage1	-7.05	0	
Stage1	-7.45	0	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage1	-7.85	0
Stage1	-8.25	0
Stage1	-8.65	0
Stage1	-9.05	0
Stage1	-9.45	0
Stage1	-9.85	0
Stage1	-10.25	0
Stage1	-10.65	0
Stage1	-11.05	0
Stage1	-11.45	0
Stage1	-11.85	0
Stage1	-12.25	0
Stage1	-12.65	0
Stage1	-13.05	0
Stage1	-13.45	0
Stage1	-13.85	0
Stage1	-14.25	0
Stage1	-14.65	0
Stage1	-15.05	0
Stage1	-15.45	0
Stage1	-15.85	0
Stage1	-16.25	0
Stage1	-16.65	0
Stage1	-17.05	0
Stage1	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage1	15.7	-0.29
Stage1	15.35	-0.24
Stage1	14.95	-0.18
Stage1	14.55	-0.13
Stage1	14.15	-0.09
Stage1	13.75	-0.06
Stage1	13.35	-0.04
Stage1	12.95	-0.03
Stage1	12.55	-0.02
Stage1	12.15	-0.02
Stage1	11.75	-0.03
Stage1	11.35	-0.03
Stage1	10.95	-0.03
Stage1	10.55	-0.03
Stage1	10.15	-0.02
Stage1	9.95	-0.02
Stage1	9.55	-0.02
Stage1	9.15	-0.01
Stage1	8.75	0
Stage1	8.35	0
Stage1	7.95	0
Stage1	7.55	0
Stage1	7.15	0
Stage1	6.75	0
Stage1	6.35	0
Stage1	5.95	0
Stage1	5.55	0
Stage1	5.15	0
Stage1	4.75	0
Stage1	4.35	0
Stage1	3.95	0
Stage1	3.55	0
Stage1	3.15	0
Stage1	2.75	0
Stage1	2.35	0
Stage1	1.95	0
Stage1	1.55	0
Stage1	1.15	0
Stage1	0.75	0
Stage1	0.35	0
Stage1	-0.05	0
Stage1	-0.45	0
Stage1	-0.85	0
Stage1	-1.25	0
Stage1	-1.45	0
Stage1	-1.85	0
Stage1	-2.25	0
Stage1	-2.65	0
Stage1	-3.05	0
Stage1	-3.45	0
Stage1	-3.85	0
Stage1	-4.25	0
Stage1	-4.65	0
Stage1	-5.05	0
Stage1	-5.45	0
Stage1	-5.85	0
Stage1	-6.25	0
Stage1	-6.65	0
Stage1	-7.05	0
Stage1	-7.45	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage1	-7.85	0
Stage1	-8.25	0
Stage1	-8.65	0
Stage1	-9.05	0
Stage1	-9.45	0
Stage1	-9.85	0
Stage1	-10.25	0
Stage1	-10.65	0
Stage1	-11.05	0
Stage1	-11.45	0
Stage1	-11.85	0
Stage1	-12.25	0
Stage1	-12.65	0
Stage1	-13.05	0
Stage1	-13.45	0
Stage1	-13.85	0
Stage1	-14.25	0
Stage1	-14.65	0
Stage1	-15.05	0
Stage1	-15.45	0
Stage1	-15.85	0
Stage1	-16.25	0
Stage1	-16.65	0
Stage1	-17.05	0
Stage1	-17.3	0

PROGETTO DEFINITIVO

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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage2

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage2	15.7	0.29	
Stage2	15.35	0.24	
Stage2	14.95	0.18	
Stage2	14.55	0.13	
Stage2	14.15	0.09	
Stage2	13.75	0.06	
Stage2	13.35	0.04	
Stage2	12.95	0.03	
Stage2	12.55	0.02	
Stage2	12.15	0.02	
Stage2	11.75	0.03	
Stage2	11.35	0.03	
Stage2	10.95	0.03	
Stage2	10.55	0.03	
Stage2	10.15	0.02	
Stage2	9.95	0.02	
Stage2	9.55	0.02	
Stage2	9.15	0.01	
Stage2	8.75	0	
Stage2	8.35	0	
Stage2	7.95	0	
Stage2	7.55	0	
Stage2	7.15	0	
Stage2	6.75	0	
Stage2	6.35	0	
Stage2	5.95	0	
Stage2	5.55	0	
Stage2	5.15	0	
Stage2	4.75	0	
Stage2	4.35	0	
Stage2	3.95	0	
Stage2	3.55	0	
Stage2	3.15	0	
Stage2	2.75	0	
Stage2	2.35	0	
Stage2	1.95	0	
Stage2	1.55	0	
Stage2	1.15	0	
Stage2	0.75	0	
Stage2	0.35	0	
Stage2	-0.05	0	
Stage2	-0.45	0	
Stage2	-0.85	0	
Stage2	-1.25	0	
Stage2	-1.45	0	
Stage2	-1.85	0	
Stage2	-2.25	0	
Stage2	-2.65	0	
Stage2	-3.05	0	
Stage2	-3.45	0	
Stage2	-3.85	0	
Stage2	-4.25	0	
Stage2	-4.65	0	
Stage2	-5.05	0	
Stage2	-5.45	0	
Stage2	-5.85	0	
Stage2	-6.25	0	
Stage2	-6.65	0	
Stage2	-7.05	0	
Stage2	-7.45	0	

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage2	-7.85	0
Stage2	-8.25	0
Stage2	-8.65	0
Stage2	-9.05	0
Stage2	-9.45	0
Stage2	-9.85	0
Stage2	-10.25	0
Stage2	-10.65	0
Stage2	-11.05	0
Stage2	-11.45	0
Stage2	-11.85	0
Stage2	-12.25	0
Stage2	-12.65	0
Stage2	-13.05	0
Stage2	-13.45	0
Stage2	-13.85	0
Stage2	-14.25	0
Stage2	-14.65	0
Stage2	-15.05	0
Stage2	-15.45	0
Stage2	-15.85	0
Stage2	-16.25	0
Stage2	-16.65	0
Stage2	-17.05	0
Stage2	-17.3	0

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage2

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage2	15.7	-0.29
Stage2	15.35	-0.24
Stage2	14.95	-0.18
Stage2	14.55	-0.13
Stage2	14.15	-0.09
Stage2	13.75	-0.06
Stage2	13.35	-0.04
Stage2	12.95	-0.03
Stage2	12.55	-0.02
Stage2	12.15	-0.02
Stage2	11.75	-0.03
Stage2	11.35	-0.03
Stage2	10.95	-0.03
Stage2	10.55	-0.03
Stage2	10.15	-0.02
Stage2	9.95	-0.02
Stage2	9.55	-0.02
Stage2	9.15	-0.01
Stage2	8.75	0
Stage2	8.35	0
Stage2	7.95	0
Stage2	7.55	0
Stage2	7.15	0
Stage2	6.75	0
Stage2	6.35	0
Stage2	5.95	0
Stage2	5.55	0
Stage2	5.15	0
Stage2	4.75	0
Stage2	4.35	0
Stage2	3.95	0
Stage2	3.55	0
Stage2	3.15	0
Stage2	2.75	0
Stage2	2.35	0
Stage2	1.95	0
Stage2	1.55	0
Stage2	1.15	0
Stage2	0.75	0
Stage2	0.35	0
Stage2	-0.05	0
Stage2	-0.45	0
Stage2	-0.85	0
Stage2	-1.25	0
Stage2	-1.45	0
Stage2	-1.85	0
Stage2	-2.25	0
Stage2	-2.65	0
Stage2	-3.05	0
Stage2	-3.45	0
Stage2	-3.85	0
Stage2	-4.25	0
Stage2	-4.65	0
Stage2	-5.05	0
Stage2	-5.45	0
Stage2	-5.85	0
Stage2	-6.25	0
Stage2	-6.65	0
Stage2	-7.05	0
Stage2	-7.45	0

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage2	-7.85	0
Stage2	-8.25	0
Stage2	-8.65	0
Stage2	-9.05	0
Stage2	-9.45	0
Stage2	-9.85	0
Stage2	-10.25	0
Stage2	-10.65	0
Stage2	-11.05	0
Stage2	-11.45	0
Stage2	-11.85	0
Stage2	-12.25	0
Stage2	-12.65	0
Stage2	-13.05	0
Stage2	-13.45	0
Stage2	-13.85	0
Stage2	-14.25	0
Stage2	-14.65	0
Stage2	-15.05	0
Stage2	-15.45	0
Stage2	-15.85	0
Stage2	-16.25	0
Stage2	-16.65	0
Stage2	-17.05	0
Stage2	-17.3	0

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage3

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage3	15.7	-1.18	
Stage3	15.35	0.53	
Stage3	14.95	2.47	
Stage3	14.55	4.35	
Stage3	14.15	6.09	
Stage3	13.75	7.64	
Stage3	13.35	8.92	
Stage3	12.95	9.88	
Stage3	12.55	10.48	
Stage3	12.15	10.69	
Stage3	11.75	10.5	
Stage3	11.35	9.9	
Stage3	10.95	8.95	
Stage3	10.55	7.67	
Stage3	10.15	6.17	
Stage3	9.95	5.36	
Stage3	9.55	3.73	
Stage3	9.15	2.21	
Stage3	8.75	1.01	
Stage3	8.35	0.3	
Stage3	7.95	0	
Stage3	7.55	-0.06	
Stage3	7.15	-0.03	
Stage3	6.75	0.01	
Stage3	6.35	0.03	
Stage3	5.95	0.03	
Stage3	5.55	0.03	
Stage3	5.15	0.03	
Stage3	4.75	0.03	
Stage3	4.35	0.03	
Stage3	3.95	0.03	
Stage3	3.55	0.03	
Stage3	3.15	0.03	
Stage3	2.75	0.03	
Stage3	2.35	0.03	
Stage3	1.95	0.03	
Stage3	1.55	0.03	
Stage3	1.15	0.03	
Stage3	0.75	0.03	
Stage3	0.35	0.03	
Stage3	-0.05	0.03	
Stage3	-0.45	0.02	
Stage3	-0.85	0.02	
Stage3	-1.25	0.02	
Stage3	-1.45	0.02	
Stage3	-1.85	0.02	
Stage3	-2.25	0.02	
Stage3	-2.65	0.02	
Stage3	-3.05	0.02	
Stage3	-3.45	0.02	
Stage3	-3.85	0.02	
Stage3	-4.25	0.02	
Stage3	-4.65	0.02	
Stage3	-5.05	0.02	
Stage3	-5.45	0.02	
Stage3	-5.85	0.02	
Stage3	-6.25	0.02	
Stage3	-6.65	0.02	
Stage3	-7.05	0.02	
Stage3	-7.45	0.02	

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage3	-7.85	0.02
Stage3	-8.25	0.02
Stage3	-8.65	0.02
Stage3	-9.05	0.02
Stage3	-9.45	0.02
Stage3	-9.85	0.02
Stage3	-10.25	0.02
Stage3	-10.65	0.02
Stage3	-11.05	0.02
Stage3	-11.45	0.02
Stage3	-11.85	0.02
Stage3	-12.25	0.02
Stage3	-12.65	0.02
Stage3	-13.05	0.02
Stage3	-13.45	0.02
Stage3	-13.85	0.02
Stage3	-14.25	0.02
Stage3	-14.65	0.02
Stage3	-15.05	0.02
Stage3	-15.45	0.02
Stage3	-15.85	0.02
Stage3	-16.25	0.02
Stage3	-16.65	0.02
Stage3	-17.05	0.02
Stage3	-17.3	0.02

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage3

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage3	15.7	1.18
Stage3	15.35	-0.53
Stage3	14.95	-2.47
Stage3	14.55	-4.35
Stage3	14.15	-6.09
Stage3	13.75	-7.64
Stage3	13.35	-8.92
Stage3	12.95	-9.88
Stage3	12.55	-10.48
Stage3	12.15	-10.69
Stage3	11.75	-10.5
Stage3	11.35	-9.9
Stage3	10.95	-8.95
Stage3	10.55	-7.67
Stage3	10.15	-6.17
Stage3	9.95	-5.36
Stage3	9.55	-3.73
Stage3	9.15	-2.21
Stage3	8.75	-1.01
Stage3	8.35	-0.3
Stage3	7.95	0
Stage3	7.55	0.06
Stage3	7.15	0.03
Stage3	6.75	-0.01
Stage3	6.35	-0.03
Stage3	5.95	-0.03
Stage3	5.55	-0.03
Stage3	5.15	-0.03
Stage3	4.75	-0.03
Stage3	4.35	-0.03
Stage3	3.95	-0.03
Stage3	3.55	-0.03
Stage3	3.15	-0.03
Stage3	2.75	-0.03
Stage3	2.35	-0.03
Stage3	1.95	-0.03
Stage3	1.55	-0.03
Stage3	1.15	-0.03
Stage3	0.75	-0.03
Stage3	0.35	-0.03
Stage3	-0.05	-0.03
Stage3	-0.45	-0.02
Stage3	-0.85	-0.02
Stage3	-1.25	-0.02
Stage3	-1.45	-0.02
Stage3	-1.85	-0.02
Stage3	-2.25	-0.02
Stage3	-2.65	-0.02
Stage3	-3.05	-0.02
Stage3	-3.45	-0.02
Stage3	-3.85	-0.02
Stage3	-4.25	-0.02
Stage3	-4.65	-0.02
Stage3	-5.05	-0.02
Stage3	-5.45	-0.02
Stage3	-5.85	-0.02
Stage3	-6.25	-0.02
Stage3	-6.65	-0.02
Stage3	-7.05	-0.02
Stage3	-7.45	-0.02

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OPERE PROVVISORIALI

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage3	-7.85	-0.02
Stage3	-8.25	-0.02
Stage3	-8.65	-0.02
Stage3	-9.05	-0.02
Stage3	-9.45	-0.02
Stage3	-9.85	-0.02
Stage3	-10.25	-0.02
Stage3	-10.65	-0.02
Stage3	-11.05	-0.02
Stage3	-11.45	-0.02
Stage3	-11.85	-0.02
Stage3	-12.25	-0.02
Stage3	-12.65	-0.02
Stage3	-13.05	-0.02
Stage3	-13.45	-0.02
Stage3	-13.85	-0.02
Stage3	-14.25	-0.02
Stage3	-14.65	-0.02
Stage3	-15.05	-0.02
Stage3	-15.45	-0.02
Stage3	-15.85	-0.02
Stage3	-16.25	-0.02
Stage3	-16.65	-0.02
Stage3	-17.05	-0.02
Stage3	-17.3	-0.02

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Tabella Spostamento Nominal - LEFT Stage: Stage4

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage4	15.7	-1.18	
Stage4	15.35	0.53	
Stage4	14.95	2.47	
Stage4	14.55	4.35	
Stage4	14.15	6.09	
Stage4	13.75	7.64	
Stage4	13.35	8.92	
Stage4	12.95	9.88	
Stage4	12.55	10.48	
Stage4	12.15	10.69	
Stage4	11.75	10.5	
Stage4	11.35	9.9	
Stage4	10.95	8.95	
Stage4	10.55	7.67	
Stage4	10.15	6.17	
Stage4	9.95	5.36	
Stage4	9.55	3.73	
Stage4	9.15	2.21	
Stage4	8.75	1.01	
Stage4	8.35	0.3	
Stage4	7.95	0	
Stage4	7.55	-0.06	
Stage4	7.15	-0.03	
Stage4	6.75	0.01	
Stage4	6.35	0.03	
Stage4	5.95	0.03	
Stage4	5.55	0.03	
Stage4	5.15	0.03	
Stage4	4.75	0.03	
Stage4	4.35	0.03	
Stage4	3.95	0.03	
Stage4	3.55	0.03	
Stage4	3.15	0.03	
Stage4	2.75	0.03	
Stage4	2.35	0.03	
Stage4	1.95	0.03	
Stage4	1.55	0.03	
Stage4	1.15	0.03	
Stage4	0.75	0.03	
Stage4	0.35	0.03	
Stage4	-0.05	0.03	
Stage4	-0.45	0.02	
Stage4	-0.85	0.02	
Stage4	-1.25	0.02	
Stage4	-1.45	0.02	
Stage4	-1.85	0.02	
Stage4	-2.25	0.02	
Stage4	-2.65	0.02	
Stage4	-3.05	0.02	
Stage4	-3.45	0.02	
Stage4	-3.85	0.02	
Stage4	-4.25	0.02	
Stage4	-4.65	0.02	
Stage4	-5.05	0.02	
Stage4	-5.45	0.02	
Stage4	-5.85	0.02	
Stage4	-6.25	0.02	
Stage4	-6.65	0.02	
Stage4	-7.05	0.02	
Stage4	-7.45	0.02	

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage4	-7.85	0.02
Stage4	-8.25	0.02
Stage4	-8.65	0.02
Stage4	-9.05	0.02
Stage4	-9.45	0.02
Stage4	-9.85	0.02
Stage4	-10.25	0.02
Stage4	-10.65	0.02
Stage4	-11.05	0.02
Stage4	-11.45	0.02
Stage4	-11.85	0.02
Stage4	-12.25	0.02
Stage4	-12.65	0.02
Stage4	-13.05	0.02
Stage4	-13.45	0.02
Stage4	-13.85	0.02
Stage4	-14.25	0.02
Stage4	-14.65	0.02
Stage4	-15.05	0.02
Stage4	-15.45	0.02
Stage4	-15.85	0.02
Stage4	-16.25	0.02
Stage4	-16.65	0.02
Stage4	-17.05	0.02
Stage4	-17.3	0.02

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Tabella Spostamento Nominal - RIGHT Stage: Stage4

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage4	15.7	1.18
Stage4	15.35	-0.53
Stage4	14.95	-2.47
Stage4	14.55	-4.35
Stage4	14.15	-6.09
Stage4	13.75	-7.64
Stage4	13.35	-8.92
Stage4	12.95	-9.88
Stage4	12.55	-10.48
Stage4	12.15	-10.69
Stage4	11.75	-10.5
Stage4	11.35	-9.9
Stage4	10.95	-8.95
Stage4	10.55	-7.67
Stage4	10.15	-6.17
Stage4	9.95	-5.36
Stage4	9.55	-3.73
Stage4	9.15	-2.21
Stage4	8.75	-1.01
Stage4	8.35	-0.3
Stage4	7.95	0
Stage4	7.55	0.06
Stage4	7.15	0.03
Stage4	6.75	-0.01
Stage4	6.35	-0.03
Stage4	5.95	-0.03
Stage4	5.55	-0.03
Stage4	5.15	-0.03
Stage4	4.75	-0.03
Stage4	4.35	-0.03
Stage4	3.95	-0.03
Stage4	3.55	-0.03
Stage4	3.15	-0.03
Stage4	2.75	-0.03
Stage4	2.35	-0.03
Stage4	1.95	-0.03
Stage4	1.55	-0.03
Stage4	1.15	-0.03
Stage4	0.75	-0.03
Stage4	0.35	-0.03
Stage4	-0.05	-0.03
Stage4	-0.45	-0.02
Stage4	-0.85	-0.02
Stage4	-1.25	-0.02
Stage4	-1.45	-0.02
Stage4	-1.85	-0.02
Stage4	-2.25	-0.02
Stage4	-2.65	-0.02
Stage4	-3.05	-0.02
Stage4	-3.45	-0.02
Stage4	-3.85	-0.02
Stage4	-4.25	-0.02
Stage4	-4.65	-0.02
Stage4	-5.05	-0.02
Stage4	-5.45	-0.02
Stage4	-5.85	-0.02
Stage4	-6.25	-0.02
Stage4	-6.65	-0.02
Stage4	-7.05	-0.02
Stage4	-7.45	-0.02

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage4	-7.85	-0.02
Stage4	-8.25	-0.02
Stage4	-8.65	-0.02
Stage4	-9.05	-0.02
Stage4	-9.45	-0.02
Stage4	-9.85	-0.02
Stage4	-10.25	-0.02
Stage4	-10.65	-0.02
Stage4	-11.05	-0.02
Stage4	-11.45	-0.02
Stage4	-11.85	-0.02
Stage4	-12.25	-0.02
Stage4	-12.65	-0.02
Stage4	-13.05	-0.02
Stage4	-13.45	-0.02
Stage4	-13.85	-0.02
Stage4	-14.25	-0.02
Stage4	-14.65	-0.02
Stage4	-15.05	-0.02
Stage4	-15.45	-0.02
Stage4	-15.85	-0.02
Stage4	-16.25	-0.02
Stage4	-16.65	-0.02
Stage4	-17.05	-0.02
Stage4	-17.3	-0.02

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage5

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage5	15.7	-1.1	
Stage5	15.35	0.53	
Stage5	14.95	2.38	
Stage5	14.55	4.17	
Stage5	14.15	5.82	
Stage5	13.75	7.28	
Stage5	13.35	8.47	
Stage5	12.95	9.36	
Stage5	12.55	9.9	
Stage5	12.15	10.09	
Stage5	11.75	9.93	
Stage5	11.35	9.46	
Stage5	10.95	8.72	
Stage5	10.55	7.81	
Stage5	10.15	6.84	
Stage5	9.95	6.38	
Stage5	9.55	5.56	
Stage5	9.15	4.84	
Stage5	8.75	4.18	
Stage5	8.35	3.57	
Stage5	7.95	3	
Stage5	7.55	2.49	
Stage5	7.15	2.03	
Stage5	6.75	1.61	
Stage5	6.35	1.25	
Stage5	5.95	0.93	
Stage5	5.55	0.66	
Stage5	5.15	0.44	
Stage5	4.75	0.27	
Stage5	4.35	0.15	
Stage5	3.95	0.09	
Stage5	3.55	0.07	
Stage5	3.15	0.07	
Stage5	2.75	0.07	
Stage5	2.35	0.07	
Stage5	1.95	0.08	
Stage5	1.55	0.08	
Stage5	1.15	0.08	
Stage5	0.75	0.07	
Stage5	0.35	0.07	
Stage5	-0.05	0.07	
Stage5	-0.45	0.07	
Stage5	-0.85	0.07	
Stage5	-1.25	0.07	
Stage5	-1.45	0.07	
Stage5	-1.85	0.07	
Stage5	-2.25	0.07	
Stage5	-2.65	0.07	
Stage5	-3.05	0.07	
Stage5	-3.45	0.07	
Stage5	-3.85	0.07	
Stage5	-4.25	0.07	
Stage5	-4.65	0.07	
Stage5	-5.05	0.07	
Stage5	-5.45	0.07	
Stage5	-5.85	0.07	
Stage5	-6.25	0.07	
Stage5	-6.65	0.07	
Stage5	-7.05	0.07	
Stage5	-7.45	0.07	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage5	-7.85	0.07
Stage5	-8.25	0.07
Stage5	-8.65	0.07
Stage5	-9.05	0.07
Stage5	-9.45	0.07
Stage5	-9.85	0.07
Stage5	-10.25	0.07
Stage5	-10.65	0.06
Stage5	-11.05	0.06
Stage5	-11.45	0.06
Stage5	-11.85	0.06
Stage5	-12.25	0.06
Stage5	-12.65	0.06
Stage5	-13.05	0.06
Stage5	-13.45	0.06
Stage5	-13.85	0.06
Stage5	-14.25	0.06
Stage5	-14.65	0.06
Stage5	-15.05	0.06
Stage5	-15.45	0.06
Stage5	-15.85	0.06
Stage5	-16.25	0.06
Stage5	-16.65	0.06
Stage5	-17.05	0.06
Stage5	-17.3	0.06

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage5

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage5	15.7	1.1
Stage5	15.35	-0.53
Stage5	14.95	-2.38
Stage5	14.55	-4.17
Stage5	14.15	-5.82
Stage5	13.75	-7.28
Stage5	13.35	-8.47
Stage5	12.95	-9.36
Stage5	12.55	-9.9
Stage5	12.15	-10.09
Stage5	11.75	-9.93
Stage5	11.35	-9.46
Stage5	10.95	-8.72
Stage5	10.55	-7.81
Stage5	10.15	-6.84
Stage5	9.95	-6.38
Stage5	9.55	-5.56
Stage5	9.15	-4.84
Stage5	8.75	-4.18
Stage5	8.35	-3.57
Stage5	7.95	-3
Stage5	7.55	-2.49
Stage5	7.15	-2.03
Stage5	6.75	-1.61
Stage5	6.35	-1.25
Stage5	5.95	-0.93
Stage5	5.55	-0.66
Stage5	5.15	-0.44
Stage5	4.75	-0.27
Stage5	4.35	-0.15
Stage5	3.95	-0.09
Stage5	3.55	-0.07
Stage5	3.15	-0.07
Stage5	2.75	-0.07
Stage5	2.35	-0.07
Stage5	1.95	-0.08
Stage5	1.55	-0.08
Stage5	1.15	-0.08
Stage5	0.75	-0.07
Stage5	0.35	-0.07
Stage5	-0.05	-0.07
Stage5	-0.45	-0.07
Stage5	-0.85	-0.07
Stage5	-1.25	-0.07
Stage5	-1.45	-0.07
Stage5	-1.85	-0.07
Stage5	-2.25	-0.07
Stage5	-2.65	-0.07
Stage5	-3.05	-0.07
Stage5	-3.45	-0.07
Stage5	-3.85	-0.07
Stage5	-4.25	-0.07
Stage5	-4.65	-0.07
Stage5	-5.05	-0.07
Stage5	-5.45	-0.07
Stage5	-5.85	-0.07
Stage5	-6.25	-0.07
Stage5	-6.65	-0.07
Stage5	-7.05	-0.07
Stage5	-7.45	-0.07

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage5	-7.85	-0.07
Stage5	-8.25	-0.07
Stage5	-8.65	-0.07
Stage5	-9.05	-0.07
Stage5	-9.45	-0.07
Stage5	-9.85	-0.07
Stage5	-10.25	-0.07
Stage5	-10.65	-0.06
Stage5	-11.05	-0.06
Stage5	-11.45	-0.06
Stage5	-11.85	-0.06
Stage5	-12.25	-0.06
Stage5	-12.65	-0.06
Stage5	-13.05	-0.06
Stage5	-13.45	-0.06
Stage5	-13.85	-0.06
Stage5	-14.25	-0.06
Stage5	-14.65	-0.06
Stage5	-15.05	-0.06
Stage5	-15.45	-0.06
Stage5	-15.85	-0.06
Stage5	-16.25	-0.06
Stage5	-16.65	-0.06
Stage5	-17.05	-0.06
Stage5	-17.3	-0.06

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage6

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage6	15.7	-1.1	
Stage6	15.35	0.53	
Stage6	14.95	2.38	
Stage6	14.55	4.17	
Stage6	14.15	5.82	
Stage6	13.75	7.28	
Stage6	13.35	8.47	
Stage6	12.95	9.36	
Stage6	12.55	9.9	
Stage6	12.15	10.09	
Stage6	11.75	9.93	
Stage6	11.35	9.46	
Stage6	10.95	8.72	
Stage6	10.55	7.81	
Stage6	10.15	6.84	
Stage6	9.95	6.38	
Stage6	9.55	5.56	
Stage6	9.15	4.84	
Stage6	8.75	4.18	
Stage6	8.35	3.57	
Stage6	7.95	3	
Stage6	7.55	2.49	
Stage6	7.15	2.03	
Stage6	6.75	1.61	
Stage6	6.35	1.25	
Stage6	5.95	0.93	
Stage6	5.55	0.66	
Stage6	5.15	0.44	
Stage6	4.75	0.27	
Stage6	4.35	0.15	
Stage6	3.95	0.09	
Stage6	3.55	0.07	
Stage6	3.15	0.07	
Stage6	2.75	0.07	
Stage6	2.35	0.07	
Stage6	1.95	0.08	
Stage6	1.55	0.08	
Stage6	1.15	0.08	
Stage6	0.75	0.07	
Stage6	0.35	0.07	
Stage6	-0.05	0.07	
Stage6	-0.45	0.07	
Stage6	-0.85	0.07	
Stage6	-1.25	0.07	
Stage6	-1.45	0.07	
Stage6	-1.85	0.07	
Stage6	-2.25	0.07	
Stage6	-2.65	0.07	
Stage6	-3.05	0.07	
Stage6	-3.45	0.07	
Stage6	-3.85	0.07	
Stage6	-4.25	0.07	
Stage6	-4.65	0.07	
Stage6	-5.05	0.07	
Stage6	-5.45	0.07	
Stage6	-5.85	0.07	
Stage6	-6.25	0.07	
Stage6	-6.65	0.07	
Stage6	-7.05	0.07	
Stage6	-7.45	0.07	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage6	-7.85	0.07
Stage6	-8.25	0.07
Stage6	-8.65	0.07
Stage6	-9.05	0.07
Stage6	-9.45	0.07
Stage6	-9.85	0.07
Stage6	-10.25	0.07
Stage6	-10.65	0.06
Stage6	-11.05	0.06
Stage6	-11.45	0.06
Stage6	-11.85	0.06
Stage6	-12.25	0.06
Stage6	-12.65	0.06
Stage6	-13.05	0.06
Stage6	-13.45	0.06
Stage6	-13.85	0.06
Stage6	-14.25	0.06
Stage6	-14.65	0.06
Stage6	-15.05	0.06
Stage6	-15.45	0.06
Stage6	-15.85	0.06
Stage6	-16.25	0.06
Stage6	-16.65	0.06
Stage6	-17.05	0.06
Stage6	-17.3	0.06

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage6

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage6	15.7	1.1
Stage6	15.35	-0.53
Stage6	14.95	-2.38
Stage6	14.55	-4.17
Stage6	14.15	-5.82
Stage6	13.75	-7.28
Stage6	13.35	-8.47
Stage6	12.95	-9.36
Stage6	12.55	-9.9
Stage6	12.15	-10.09
Stage6	11.75	-9.93
Stage6	11.35	-9.46
Stage6	10.95	-8.72
Stage6	10.55	-7.81
Stage6	10.15	-6.84
Stage6	9.95	-6.38
Stage6	9.55	-5.56
Stage6	9.15	-4.84
Stage6	8.75	-4.18
Stage6	8.35	-3.57
Stage6	7.95	-3
Stage6	7.55	-2.49
Stage6	7.15	-2.03
Stage6	6.75	-1.61
Stage6	6.35	-1.25
Stage6	5.95	-0.93
Stage6	5.55	-0.66
Stage6	5.15	-0.44
Stage6	4.75	-0.27
Stage6	4.35	-0.15
Stage6	3.95	-0.09
Stage6	3.55	-0.07
Stage6	3.15	-0.07
Stage6	2.75	-0.07
Stage6	2.35	-0.07
Stage6	1.95	-0.08
Stage6	1.55	-0.08
Stage6	1.15	-0.08
Stage6	0.75	-0.07
Stage6	0.35	-0.07
Stage6	-0.05	-0.07
Stage6	-0.45	-0.07
Stage6	-0.85	-0.07
Stage6	-1.25	-0.07
Stage6	-1.45	-0.07
Stage6	-1.85	-0.07
Stage6	-2.25	-0.07
Stage6	-2.65	-0.07
Stage6	-3.05	-0.07
Stage6	-3.45	-0.07
Stage6	-3.85	-0.07
Stage6	-4.25	-0.07
Stage6	-4.65	-0.07
Stage6	-5.05	-0.07
Stage6	-5.45	-0.07
Stage6	-5.85	-0.07
Stage6	-6.25	-0.07
Stage6	-6.65	-0.07
Stage6	-7.05	-0.07
Stage6	-7.45	-0.07

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage6	-7.85	-0.07
Stage6	-8.25	-0.07
Stage6	-8.65	-0.07
Stage6	-9.05	-0.07
Stage6	-9.45	-0.07
Stage6	-9.85	-0.07
Stage6	-10.25	-0.07
Stage6	-10.65	-0.06
Stage6	-11.05	-0.06
Stage6	-11.45	-0.06
Stage6	-11.85	-0.06
Stage6	-12.25	-0.06
Stage6	-12.65	-0.06
Stage6	-13.05	-0.06
Stage6	-13.45	-0.06
Stage6	-13.85	-0.06
Stage6	-14.25	-0.06
Stage6	-14.65	-0.06
Stage6	-15.05	-0.06
Stage6	-15.45	-0.06
Stage6	-15.85	-0.06
Stage6	-16.25	-0.06
Stage6	-16.65	-0.06
Stage6	-17.05	-0.06
Stage6	-17.3	-0.06

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage7

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage7	15.7	-1.1	
Stage7	15.35	0.53	
Stage7	14.95	2.38	
Stage7	14.55	4.17	
Stage7	14.15	5.82	
Stage7	13.75	7.28	
Stage7	13.35	8.47	
Stage7	12.95	9.36	
Stage7	12.55	9.9	
Stage7	12.15	10.09	
Stage7	11.75	9.93	
Stage7	11.35	9.46	
Stage7	10.95	8.72	
Stage7	10.55	7.81	
Stage7	10.15	6.84	
Stage7	9.95	6.38	
Stage7	9.55	5.56	
Stage7	9.15	4.84	
Stage7	8.75	4.18	
Stage7	8.35	3.57	
Stage7	7.95	3	
Stage7	7.55	2.49	
Stage7	7.15	2.03	
Stage7	6.75	1.61	
Stage7	6.35	1.25	
Stage7	5.95	0.94	
Stage7	5.55	0.68	
Stage7	5.15	0.49	
Stage7	4.75	0.35	
Stage7	4.35	0.27	
Stage7	3.95	0.22	
Stage7	3.55	0.21	
Stage7	3.15	0.21	
Stage7	2.75	0.23	
Stage7	2.35	0.24	
Stage7	1.95	0.27	
Stage7	1.55	0.29	
Stage7	1.15	0.32	
Stage7	0.75	0.34	
Stage7	0.35	0.35	
Stage7	-0.05	0.37	
Stage7	-0.45	0.37	
Stage7	-0.85	0.36	
Stage7	-1.25	0.35	
Stage7	-1.45	0.33	
Stage7	-1.85	0.3	
Stage7	-2.25	0.25	
Stage7	-2.65	0.22	
Stage7	-3.05	0.2	
Stage7	-3.45	0.19	
Stage7	-3.85	0.18	
Stage7	-4.25	0.18	
Stage7	-4.65	0.18	
Stage7	-5.05	0.18	
Stage7	-5.45	0.18	
Stage7	-5.85	0.18	
Stage7	-6.25	0.17	
Stage7	-6.65	0.17	
Stage7	-7.05	0.17	
Stage7	-7.45	0.17	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage7	-7.85	0.17
Stage7	-8.25	0.17
Stage7	-8.65	0.17
Stage7	-9.05	0.17
Stage7	-9.45	0.17
Stage7	-9.85	0.16
Stage7	-10.25	0.16
Stage7	-10.65	0.16
Stage7	-11.05	0.16
Stage7	-11.45	0.16
Stage7	-11.85	0.16
Stage7	-12.25	0.16
Stage7	-12.65	0.16
Stage7	-13.05	0.16
Stage7	-13.45	0.16
Stage7	-13.85	0.16
Stage7	-14.25	0.16
Stage7	-14.65	0.16
Stage7	-15.05	0.16
Stage7	-15.45	0.16
Stage7	-15.85	0.15
Stage7	-16.25	0.15
Stage7	-16.65	0.15
Stage7	-17.05	0.15
Stage7	-17.3	0.15

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage7

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage7	15.7	1.1
Stage7	15.35	-0.53
Stage7	14.95	-2.38
Stage7	14.55	-4.17
Stage7	14.15	-5.82
Stage7	13.75	-7.28
Stage7	13.35	-8.47
Stage7	12.95	-9.36
Stage7	12.55	-9.9
Stage7	12.15	-10.09
Stage7	11.75	-9.93
Stage7	11.35	-9.46
Stage7	10.95	-8.72
Stage7	10.55	-7.81
Stage7	10.15	-6.84
Stage7	9.95	-6.38
Stage7	9.55	-5.56
Stage7	9.15	-4.84
Stage7	8.75	-4.18
Stage7	8.35	-3.57
Stage7	7.95	-3
Stage7	7.55	-2.49
Stage7	7.15	-2.03
Stage7	6.75	-1.61
Stage7	6.35	-1.25
Stage7	5.95	-0.94
Stage7	5.55	-0.68
Stage7	5.15	-0.49
Stage7	4.75	-0.35
Stage7	4.35	-0.27
Stage7	3.95	-0.22
Stage7	3.55	-0.21
Stage7	3.15	-0.21
Stage7	2.75	-0.23
Stage7	2.35	-0.24
Stage7	1.95	-0.27
Stage7	1.55	-0.29
Stage7	1.15	-0.32
Stage7	0.75	-0.34
Stage7	0.35	-0.35
Stage7	-0.05	-0.37
Stage7	-0.45	-0.37
Stage7	-0.85	-0.36
Stage7	-1.25	-0.35
Stage7	-1.45	-0.33
Stage7	-1.85	-0.3
Stage7	-2.25	-0.25
Stage7	-2.65	-0.22
Stage7	-3.05	-0.2
Stage7	-3.45	-0.19
Stage7	-3.85	-0.18
Stage7	-4.25	-0.18
Stage7	-4.65	-0.18
Stage7	-5.05	-0.18
Stage7	-5.45	-0.18
Stage7	-5.85	-0.18
Stage7	-6.25	-0.17
Stage7	-6.65	-0.17
Stage7	-7.05	-0.17
Stage7	-7.45	-0.17

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage7	-7.85	-0.17
Stage7	-8.25	-0.17
Stage7	-8.65	-0.17
Stage7	-9.05	-0.17
Stage7	-9.45	-0.17
Stage7	-9.85	-0.16
Stage7	-10.25	-0.16
Stage7	-10.65	-0.16
Stage7	-11.05	-0.16
Stage7	-11.45	-0.16
Stage7	-11.85	-0.16
Stage7	-12.25	-0.16
Stage7	-12.65	-0.16
Stage7	-13.05	-0.16
Stage7	-13.45	-0.16
Stage7	-13.85	-0.16
Stage7	-14.25	-0.16
Stage7	-14.65	-0.16
Stage7	-15.05	-0.16
Stage7	-15.45	-0.16
Stage7	-15.85	-0.15
Stage7	-16.25	-0.15
Stage7	-16.65	-0.15
Stage7	-17.05	-0.15
Stage7	-17.3	-0.15

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage8

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage8	15.7	-1.1	
Stage8	15.35	0.53	
Stage8	14.95	2.38	
Stage8	14.55	4.17	
Stage8	14.15	5.82	
Stage8	13.75	7.28	
Stage8	13.35	8.47	
Stage8	12.95	9.36	
Stage8	12.55	9.9	
Stage8	12.15	10.09	
Stage8	11.75	9.93	
Stage8	11.35	9.46	
Stage8	10.95	8.72	
Stage8	10.55	7.81	
Stage8	10.15	6.84	
Stage8	9.95	6.38	
Stage8	9.55	5.56	
Stage8	9.15	4.84	
Stage8	8.75	4.18	
Stage8	8.35	3.57	
Stage8	7.95	3	
Stage8	7.55	2.49	
Stage8	7.15	2.03	
Stage8	6.75	1.61	
Stage8	6.35	1.25	
Stage8	5.95	0.94	
Stage8	5.55	0.68	
Stage8	5.15	0.49	
Stage8	4.75	0.35	
Stage8	4.35	0.27	
Stage8	3.95	0.22	
Stage8	3.55	0.21	
Stage8	3.15	0.21	
Stage8	2.75	0.23	
Stage8	2.35	0.24	
Stage8	1.95	0.27	
Stage8	1.55	0.29	
Stage8	1.15	0.32	
Stage8	0.75	0.34	
Stage8	0.35	0.35	
Stage8	-0.05	0.37	
Stage8	-0.45	0.37	
Stage8	-0.85	0.36	
Stage8	-1.25	0.35	
Stage8	-1.45	0.33	
Stage8	-1.85	0.3	
Stage8	-2.25	0.25	
Stage8	-2.65	0.22	
Stage8	-3.05	0.2	
Stage8	-3.45	0.19	
Stage8	-3.85	0.18	
Stage8	-4.25	0.18	
Stage8	-4.65	0.18	
Stage8	-5.05	0.18	
Stage8	-5.45	0.18	
Stage8	-5.85	0.18	
Stage8	-6.25	0.17	
Stage8	-6.65	0.17	
Stage8	-7.05	0.17	
Stage8	-7.45	0.17	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage8	-7.85	0.17
Stage8	-8.25	0.17
Stage8	-8.65	0.17
Stage8	-9.05	0.17
Stage8	-9.45	0.17
Stage8	-9.85	0.16
Stage8	-10.25	0.16
Stage8	-10.65	0.16
Stage8	-11.05	0.16
Stage8	-11.45	0.16
Stage8	-11.85	0.16
Stage8	-12.25	0.16
Stage8	-12.65	0.16
Stage8	-13.05	0.16
Stage8	-13.45	0.16
Stage8	-13.85	0.16
Stage8	-14.25	0.16
Stage8	-14.65	0.16
Stage8	-15.05	0.16
Stage8	-15.45	0.16
Stage8	-15.85	0.15
Stage8	-16.25	0.15
Stage8	-16.65	0.15
Stage8	-17.05	0.15
Stage8	-17.3	0.15

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage8

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage8	15.7	1.1
Stage8	15.35	-0.53
Stage8	14.95	-2.38
Stage8	14.55	-4.17
Stage8	14.15	-5.82
Stage8	13.75	-7.28
Stage8	13.35	-8.47
Stage8	12.95	-9.36
Stage8	12.55	-9.9
Stage8	12.15	-10.09
Stage8	11.75	-9.93
Stage8	11.35	-9.46
Stage8	10.95	-8.72
Stage8	10.55	-7.81
Stage8	10.15	-6.84
Stage8	9.95	-6.38
Stage8	9.55	-5.56
Stage8	9.15	-4.84
Stage8	8.75	-4.18
Stage8	8.35	-3.57
Stage8	7.95	-3
Stage8	7.55	-2.49
Stage8	7.15	-2.03
Stage8	6.75	-1.61
Stage8	6.35	-1.25
Stage8	5.95	-0.94
Stage8	5.55	-0.68
Stage8	5.15	-0.49
Stage8	4.75	-0.35
Stage8	4.35	-0.27
Stage8	3.95	-0.22
Stage8	3.55	-0.21
Stage8	3.15	-0.21
Stage8	2.75	-0.23
Stage8	2.35	-0.24
Stage8	1.95	-0.27
Stage8	1.55	-0.29
Stage8	1.15	-0.32
Stage8	0.75	-0.34
Stage8	0.35	-0.35
Stage8	-0.05	-0.37
Stage8	-0.45	-0.37
Stage8	-0.85	-0.36
Stage8	-1.25	-0.35
Stage8	-1.45	-0.33
Stage8	-1.85	-0.3
Stage8	-2.25	-0.25
Stage8	-2.65	-0.22
Stage8	-3.05	-0.2
Stage8	-3.45	-0.19
Stage8	-3.85	-0.18
Stage8	-4.25	-0.18
Stage8	-4.65	-0.18
Stage8	-5.05	-0.18
Stage8	-5.45	-0.18
Stage8	-5.85	-0.18
Stage8	-6.25	-0.17
Stage8	-6.65	-0.17
Stage8	-7.05	-0.17
Stage8	-7.45	-0.17

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage8	-7.85	-0.17
Stage8	-8.25	-0.17
Stage8	-8.65	-0.17
Stage8	-9.05	-0.17
Stage8	-9.45	-0.17
Stage8	-9.85	-0.16
Stage8	-10.25	-0.16
Stage8	-10.65	-0.16
Stage8	-11.05	-0.16
Stage8	-11.45	-0.16
Stage8	-11.85	-0.16
Stage8	-12.25	-0.16
Stage8	-12.65	-0.16
Stage8	-13.05	-0.16
Stage8	-13.45	-0.16
Stage8	-13.85	-0.16
Stage8	-14.25	-0.16
Stage8	-14.65	-0.16
Stage8	-15.05	-0.16
Stage8	-15.45	-0.16
Stage8	-15.85	-0.15
Stage8	-16.25	-0.15
Stage8	-16.65	-0.15
Stage8	-17.05	-0.15
Stage8	-17.3	-0.15

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage9

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage9	15.7	-1.1	
Stage9	15.35	0.53	
Stage9	14.95	2.38	
Stage9	14.55	4.17	
Stage9	14.15	5.82	
Stage9	13.75	7.28	
Stage9	13.35	8.47	
Stage9	12.95	9.36	
Stage9	12.55	9.9	
Stage9	12.15	10.09	
Stage9	11.75	9.93	
Stage9	11.35	9.46	
Stage9	10.95	8.72	
Stage9	10.55	7.81	
Stage9	10.15	6.84	
Stage9	9.95	6.38	
Stage9	9.55	5.56	
Stage9	9.15	4.84	
Stage9	8.75	4.18	
Stage9	8.35	3.57	
Stage9	7.95	3	
Stage9	7.55	2.49	
Stage9	7.15	2.03	
Stage9	6.75	1.61	
Stage9	6.35	1.25	
Stage9	5.95	0.94	
Stage9	5.55	0.68	
Stage9	5.15	0.49	
Stage9	4.75	0.35	
Stage9	4.35	0.27	
Stage9	3.95	0.22	
Stage9	3.55	0.21	
Stage9	3.15	0.21	
Stage9	2.75	0.23	
Stage9	2.35	0.25	
Stage9	1.95	0.27	
Stage9	1.55	0.29	
Stage9	1.15	0.31	
Stage9	0.75	0.34	
Stage9	0.35	0.35	
Stage9	-0.05	0.36	
Stage9	-0.45	0.37	
Stage9	-0.85	0.37	
Stage9	-1.25	0.37	
Stage9	-1.45	0.37	
Stage9	-1.85	0.37	
Stage9	-2.25	0.36	
Stage9	-2.65	0.35	
Stage9	-3.05	0.32	
Stage9	-3.45	0.28	
Stage9	-3.85	0.25	
Stage9	-4.25	0.22	
Stage9	-4.65	0.21	
Stage9	-5.05	0.21	
Stage9	-5.45	0.2	
Stage9	-5.85	0.2	
Stage9	-6.25	0.2	
Stage9	-6.65	0.2	
Stage9	-7.05	0.2	
Stage9	-7.45	0.2	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage9	-7.85	0.19
Stage9	-8.25	0.19
Stage9	-8.65	0.19
Stage9	-9.05	0.19
Stage9	-9.45	0.19
Stage9	-9.85	0.19
Stage9	-10.25	0.19
Stage9	-10.65	0.19
Stage9	-11.05	0.18
Stage9	-11.45	0.18
Stage9	-11.85	0.18
Stage9	-12.25	0.18
Stage9	-12.65	0.18
Stage9	-13.05	0.18
Stage9	-13.45	0.18
Stage9	-13.85	0.18
Stage9	-14.25	0.18
Stage9	-14.65	0.18
Stage9	-15.05	0.18
Stage9	-15.45	0.18
Stage9	-15.85	0.18
Stage9	-16.25	0.17
Stage9	-16.65	0.17
Stage9	-17.05	0.17
Stage9	-17.3	0.17

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage9

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage9	15.7	1.1
Stage9	15.35	-0.53
Stage9	14.95	-2.38
Stage9	14.55	-4.17
Stage9	14.15	-5.82
Stage9	13.75	-7.28
Stage9	13.35	-8.47
Stage9	12.95	-9.36
Stage9	12.55	-9.9
Stage9	12.15	-10.09
Stage9	11.75	-9.93
Stage9	11.35	-9.46
Stage9	10.95	-8.72
Stage9	10.55	-7.81
Stage9	10.15	-6.84
Stage9	9.95	-6.38
Stage9	9.55	-5.56
Stage9	9.15	-4.84
Stage9	8.75	-4.18
Stage9	8.35	-3.57
Stage9	7.95	-3
Stage9	7.55	-2.49
Stage9	7.15	-2.03
Stage9	6.75	-1.61
Stage9	6.35	-1.25
Stage9	5.95	-0.94
Stage9	5.55	-0.68
Stage9	5.15	-0.49
Stage9	4.75	-0.35
Stage9	4.35	-0.27
Stage9	3.95	-0.22
Stage9	3.55	-0.21
Stage9	3.15	-0.21
Stage9	2.75	-0.23
Stage9	2.35	-0.25
Stage9	1.95	-0.27
Stage9	1.55	-0.29
Stage9	1.15	-0.31
Stage9	0.75	-0.34
Stage9	0.35	-0.35
Stage9	-0.05	-0.36
Stage9	-0.45	-0.37
Stage9	-0.85	-0.37
Stage9	-1.25	-0.37
Stage9	-1.45	-0.37
Stage9	-1.85	-0.37
Stage9	-2.25	-0.36
Stage9	-2.65	-0.35
Stage9	-3.05	-0.32
Stage9	-3.45	-0.28
Stage9	-3.85	-0.25
Stage9	-4.25	-0.22
Stage9	-4.65	-0.21
Stage9	-5.05	-0.21
Stage9	-5.45	-0.2
Stage9	-5.85	-0.2
Stage9	-6.25	-0.2
Stage9	-6.65	-0.2
Stage9	-7.05	-0.2
Stage9	-7.45	-0.2

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage9	-7.85	-0.19
Stage9	-8.25	-0.19
Stage9	-8.65	-0.19
Stage9	-9.05	-0.19
Stage9	-9.45	-0.19
Stage9	-9.85	-0.19
Stage9	-10.25	-0.19
Stage9	-10.65	-0.19
Stage9	-11.05	-0.18
Stage9	-11.45	-0.18
Stage9	-11.85	-0.18
Stage9	-12.25	-0.18
Stage9	-12.65	-0.18
Stage9	-13.05	-0.18
Stage9	-13.45	-0.18
Stage9	-13.85	-0.18
Stage9	-14.25	-0.18
Stage9	-14.65	-0.18
Stage9	-15.05	-0.18
Stage9	-15.45	-0.18
Stage9	-15.85	-0.18
Stage9	-16.25	-0.17
Stage9	-16.65	-0.17
Stage9	-17.05	-0.17
Stage9	-17.3	-0.17

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage10

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT		
Stage	Z (m)	Spostamento (mm)
Stage10	15.7	-1.1
Stage10	15.35	0.53
Stage10	14.95	2.38
Stage10	14.55	4.17
Stage10	14.15	5.82
Stage10	13.75	7.28
Stage10	13.35	8.47
Stage10	12.95	9.36
Stage10	12.55	9.9
Stage10	12.15	10.09
Stage10	11.75	9.93
Stage10	11.35	9.46
Stage10	10.95	8.72
Stage10	10.55	7.81
Stage10	10.15	6.84
Stage10	9.95	6.38
Stage10	9.55	5.56
Stage10	9.15	4.84
Stage10	8.75	4.18
Stage10	8.35	3.57
Stage10	7.95	3
Stage10	7.55	2.49
Stage10	7.15	2.03
Stage10	6.75	1.61
Stage10	6.35	1.25
Stage10	5.95	0.94
Stage10	5.55	0.68
Stage10	5.15	0.49
Stage10	4.75	0.35
Stage10	4.35	0.27
Stage10	3.95	0.22
Stage10	3.55	0.21
Stage10	3.15	0.21
Stage10	2.75	0.23
Stage10	2.35	0.25
Stage10	1.95	0.27
Stage10	1.55	0.29
Stage10	1.15	0.31
Stage10	0.75	0.33
Stage10	0.35	0.35
Stage10	-0.05	0.36
Stage10	-0.45	0.36
Stage10	-0.85	0.36
Stage10	-1.25	0.36
Stage10	-1.45	0.36
Stage10	-1.85	0.37
Stage10	-2.25	0.39
Stage10	-2.65	0.41
Stage10	-3.05	0.44
Stage10	-3.45	0.46
Stage10	-3.85	0.49
Stage10	-4.25	0.52
Stage10	-4.65	0.55
Stage10	-5.05	0.57
Stage10	-5.45	0.59
Stage10	-5.85	0.6
Stage10	-6.25	0.6
Stage10	-6.65	0.59
Stage10	-7.05	0.57
Stage10	-7.45	0.54

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage10	-7.85	0.49
Stage10	-8.25	0.43
Stage10	-8.65	0.36
Stage10	-9.05	0.31
Stage10	-9.45	0.28
Stage10	-9.85	0.27
Stage10	-10.25	0.27
Stage10	-10.65	0.27
Stage10	-11.05	0.26
Stage10	-11.45	0.26
Stage10	-11.85	0.26
Stage10	-12.25	0.26
Stage10	-12.65	0.26
Stage10	-13.05	0.25
Stage10	-13.45	0.25
Stage10	-13.85	0.25
Stage10	-14.25	0.25
Stage10	-14.65	0.25
Stage10	-15.05	0.25
Stage10	-15.45	0.24
Stage10	-15.85	0.24
Stage10	-16.25	0.24
Stage10	-16.65	0.24
Stage10	-17.05	0.24
Stage10	-17.3	0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage10

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage10	15.7	1.1
Stage10	15.35	-0.53
Stage10	14.95	-2.38
Stage10	14.55	-4.17
Stage10	14.15	-5.82
Stage10	13.75	-7.28
Stage10	13.35	-8.47
Stage10	12.95	-9.36
Stage10	12.55	-9.9
Stage10	12.15	-10.09
Stage10	11.75	-9.93
Stage10	11.35	-9.46
Stage10	10.95	-8.72
Stage10	10.55	-7.81
Stage10	10.15	-6.84
Stage10	9.95	-6.38
Stage10	9.55	-5.56
Stage10	9.15	-4.84
Stage10	8.75	-4.18
Stage10	8.35	-3.57
Stage10	7.95	-3
Stage10	7.55	-2.49
Stage10	7.15	-2.03
Stage10	6.75	-1.61
Stage10	6.35	-1.25
Stage10	5.95	-0.94
Stage10	5.55	-0.68
Stage10	5.15	-0.49
Stage10	4.75	-0.35
Stage10	4.35	-0.27
Stage10	3.95	-0.22
Stage10	3.55	-0.21
Stage10	3.15	-0.21
Stage10	2.75	-0.23
Stage10	2.35	-0.25
Stage10	1.95	-0.27
Stage10	1.55	-0.29
Stage10	1.15	-0.31
Stage10	0.75	-0.33
Stage10	0.35	-0.35
Stage10	-0.05	-0.36
Stage10	-0.45	-0.36
Stage10	-0.85	-0.36
Stage10	-1.25	-0.36
Stage10	-1.45	-0.36
Stage10	-1.85	-0.37
Stage10	-2.25	-0.39
Stage10	-2.65	-0.41
Stage10	-3.05	-0.44
Stage10	-3.45	-0.46
Stage10	-3.85	-0.49
Stage10	-4.25	-0.52
Stage10	-4.65	-0.55
Stage10	-5.05	-0.57
Stage10	-5.45	-0.59
Stage10	-5.85	-0.6
Stage10	-6.25	-0.6
Stage10	-6.65	-0.59
Stage10	-7.05	-0.57
Stage10	-7.45	-0.54

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage10	-7.85	-0.49
Stage10	-8.25	-0.43
Stage10	-8.65	-0.36
Stage10	-9.05	-0.31
Stage10	-9.45	-0.28
Stage10	-9.85	-0.27
Stage10	-10.25	-0.27
Stage10	-10.65	-0.27
Stage10	-11.05	-0.26
Stage10	-11.45	-0.26
Stage10	-11.85	-0.26
Stage10	-12.25	-0.26
Stage10	-12.65	-0.26
Stage10	-13.05	-0.25
Stage10	-13.45	-0.25
Stage10	-13.85	-0.25
Stage10	-14.25	-0.25
Stage10	-14.65	-0.25
Stage10	-15.05	-0.25
Stage10	-15.45	-0.24
Stage10	-15.85	-0.24
Stage10	-16.25	-0.24
Stage10	-16.65	-0.24
Stage10	-17.05	-0.24
Stage10	-17.3	-0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Scavo NORM.

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT		
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	15.7	-1.1
Scavo NORM.	15.35	0.53
Scavo NORM.	14.95	2.38
Scavo NORM.	14.55	4.17
Scavo NORM.	14.15	5.82
Scavo NORM.	13.75	7.28
Scavo NORM.	13.35	8.47
Scavo NORM.	12.95	9.36
Scavo NORM.	12.55	9.9
Scavo NORM.	12.15	10.09
Scavo NORM.	11.75	9.93
Scavo NORM.	11.35	9.46
Scavo NORM.	10.95	8.72
Scavo NORM.	10.55	7.81
Scavo NORM.	10.15	6.84
Scavo NORM.	9.95	6.38
Scavo NORM.	9.55	5.56
Scavo NORM.	9.15	4.84
Scavo NORM.	8.75	4.18
Scavo NORM.	8.35	3.57
Scavo NORM.	7.95	3
Scavo NORM.	7.55	2.49
Scavo NORM.	7.15	2.03
Scavo NORM.	6.75	1.61
Scavo NORM.	6.35	1.25
Scavo NORM.	5.95	0.94
Scavo NORM.	5.55	0.68
Scavo NORM.	5.15	0.49
Scavo NORM.	4.75	0.35
Scavo NORM.	4.35	0.27
Scavo NORM.	3.95	0.22
Scavo NORM.	3.55	0.21
Scavo NORM.	3.15	0.21
Scavo NORM.	2.75	0.23
Scavo NORM.	2.35	0.25
Scavo NORM.	1.95	0.27
Scavo NORM.	1.55	0.29
Scavo NORM.	1.15	0.31
Scavo NORM.	0.75	0.33
Scavo NORM.	0.35	0.35
Scavo NORM.	-0.05	0.36
Scavo NORM.	-0.45	0.36
Scavo NORM.	-0.85	0.36
Scavo NORM.	-1.25	0.36
Scavo NORM.	-1.45	0.36
Scavo NORM.	-1.85	0.37
Scavo NORM.	-2.25	0.39
Scavo NORM.	-2.65	0.41
Scavo NORM.	-3.05	0.44
Scavo NORM.	-3.45	0.46
Scavo NORM.	-3.85	0.49
Scavo NORM.	-4.25	0.52
Scavo NORM.	-4.65	0.55
Scavo NORM.	-5.05	0.57
Scavo NORM.	-5.45	0.59
Scavo NORM.	-5.85	0.61
Scavo NORM.	-6.25	0.61
Scavo NORM.	-6.65	0.61
Scavo NORM.	-7.05	0.6
Scavo NORM.	-7.45	0.58

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Scavo NORM.	-7.85	0.54
Scavo NORM.	-8.25	0.5
Scavo NORM.	-8.65	0.43
Scavo NORM.	-9.05	0.37
Scavo NORM.	-9.45	0.32
Scavo NORM.	-9.85	0.29
Scavo NORM.	-10.25	0.28
Scavo NORM.	-10.65	0.27
Scavo NORM.	-11.05	0.27
Scavo NORM.	-11.45	0.27
Scavo NORM.	-11.85	0.27
Scavo NORM.	-12.25	0.27
Scavo NORM.	-12.65	0.26
Scavo NORM.	-13.05	0.26
Scavo NORM.	-13.45	0.26
Scavo NORM.	-13.85	0.26
Scavo NORM.	-14.25	0.26
Scavo NORM.	-14.65	0.25
Scavo NORM.	-15.05	0.25
Scavo NORM.	-15.45	0.25
Scavo NORM.	-15.85	0.25
Scavo NORM.	-16.25	0.25
Scavo NORM.	-16.65	0.25
Scavo NORM.	-17.05	0.25
Scavo NORM.	-17.3	0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Scavo NORM.

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	15.7	1.1
Scavo NORM.	15.35	-0.53
Scavo NORM.	14.95	-2.38
Scavo NORM.	14.55	-4.17
Scavo NORM.	14.15	-5.82
Scavo NORM.	13.75	-7.28
Scavo NORM.	13.35	-8.47
Scavo NORM.	12.95	-9.36
Scavo NORM.	12.55	-9.9
Scavo NORM.	12.15	-10.09
Scavo NORM.	11.75	-9.93
Scavo NORM.	11.35	-9.46
Scavo NORM.	10.95	-8.72
Scavo NORM.	10.55	-7.81
Scavo NORM.	10.15	-6.84
Scavo NORM.	9.95	-6.38
Scavo NORM.	9.55	-5.56
Scavo NORM.	9.15	-4.84
Scavo NORM.	8.75	-4.18
Scavo NORM.	8.35	-3.57
Scavo NORM.	7.95	-3
Scavo NORM.	7.55	-2.49
Scavo NORM.	7.15	-2.03
Scavo NORM.	6.75	-1.61
Scavo NORM.	6.35	-1.25
Scavo NORM.	5.95	-0.94
Scavo NORM.	5.55	-0.68
Scavo NORM.	5.15	-0.49
Scavo NORM.	4.75	-0.35
Scavo NORM.	4.35	-0.27
Scavo NORM.	3.95	-0.22
Scavo NORM.	3.55	-0.21
Scavo NORM.	3.15	-0.21
Scavo NORM.	2.75	-0.23
Scavo NORM.	2.35	-0.25
Scavo NORM.	1.95	-0.27
Scavo NORM.	1.55	-0.29
Scavo NORM.	1.15	-0.31
Scavo NORM.	0.75	-0.33
Scavo NORM.	0.35	-0.35
Scavo NORM.	-0.05	-0.36
Scavo NORM.	-0.45	-0.36
Scavo NORM.	-0.85	-0.36
Scavo NORM.	-1.25	-0.36
Scavo NORM.	-1.45	-0.36
Scavo NORM.	-1.85	-0.37
Scavo NORM.	-2.25	-0.39
Scavo NORM.	-2.65	-0.41
Scavo NORM.	-3.05	-0.44
Scavo NORM.	-3.45	-0.46
Scavo NORM.	-3.85	-0.49
Scavo NORM.	-4.25	-0.52
Scavo NORM.	-4.65	-0.55
Scavo NORM.	-5.05	-0.57
Scavo NORM.	-5.45	-0.59
Scavo NORM.	-5.85	-0.61
Scavo NORM.	-6.25	-0.61
Scavo NORM.	-6.65	-0.61
Scavo NORM.	-7.05	-0.6
Scavo NORM.	-7.45	-0.58

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

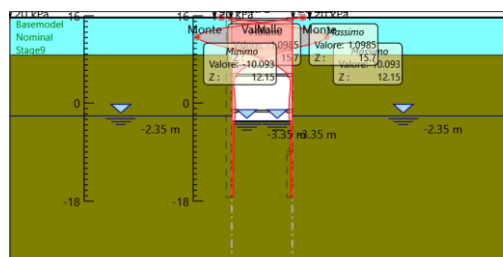
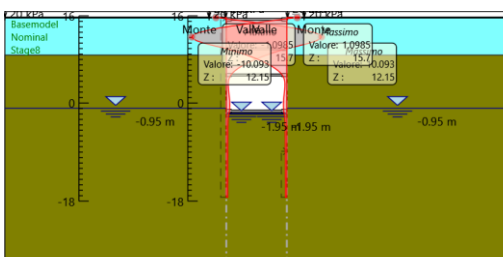
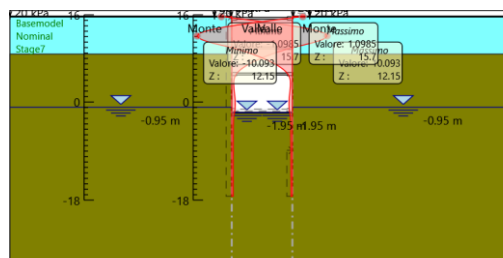
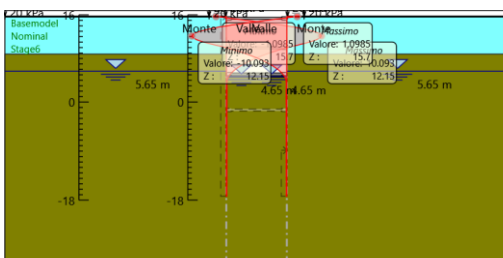
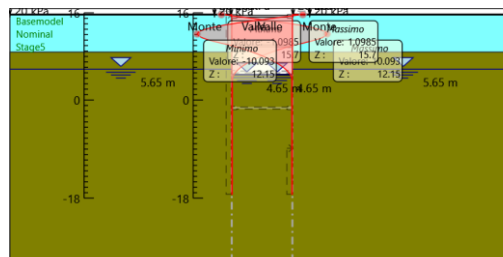
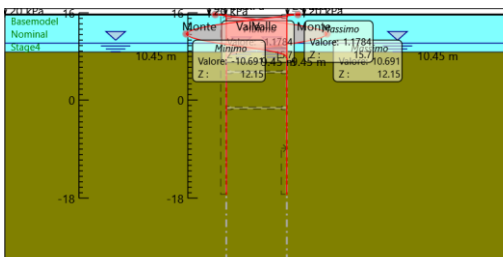
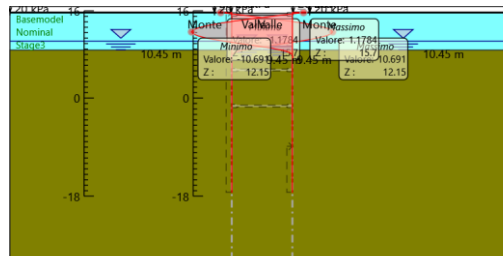
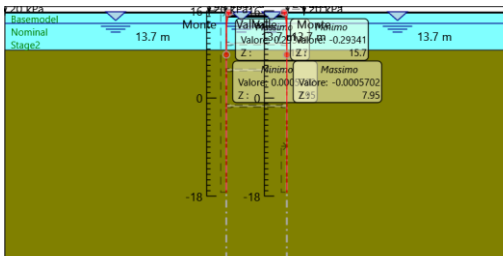
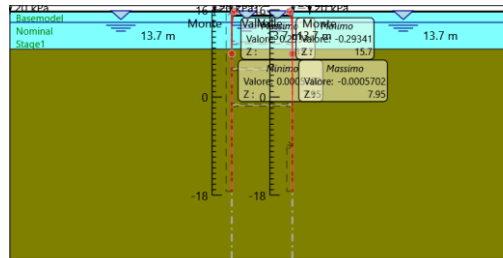
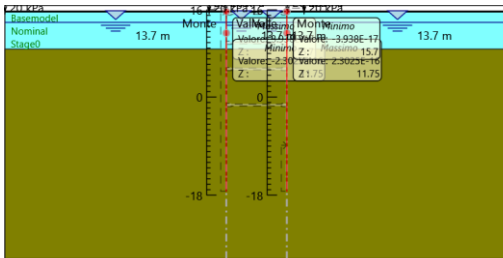
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	-7.85	-0.54
Scavo NORM.	-8.25	-0.5
Scavo NORM.	-8.65	-0.43
Scavo NORM.	-9.05	-0.37
Scavo NORM.	-9.45	-0.32
Scavo NORM.	-9.85	-0.29
Scavo NORM.	-10.25	-0.28
Scavo NORM.	-10.65	-0.27
Scavo NORM.	-11.05	-0.27
Scavo NORM.	-11.45	-0.27
Scavo NORM.	-11.85	-0.27
Scavo NORM.	-12.25	-0.27
Scavo NORM.	-12.65	-0.26
Scavo NORM.	-13.05	-0.26
Scavo NORM.	-13.45	-0.26
Scavo NORM.	-13.85	-0.26
Scavo NORM.	-14.25	-0.26
Scavo NORM.	-14.65	-0.25
Scavo NORM.	-15.05	-0.25
Scavo NORM.	-15.45	-0.25
Scavo NORM.	-15.85	-0.25
Scavo NORM.	-16.25	-0.25
Scavo NORM.	-16.65	-0.25
Scavo NORM.	-17.05	-0.25
Scavo NORM.	-17.3	-0.24

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

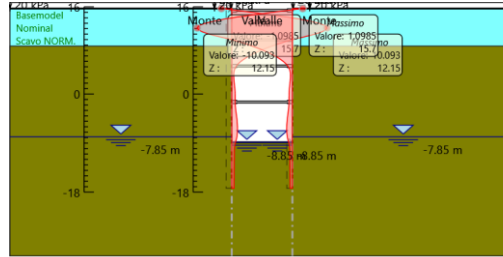
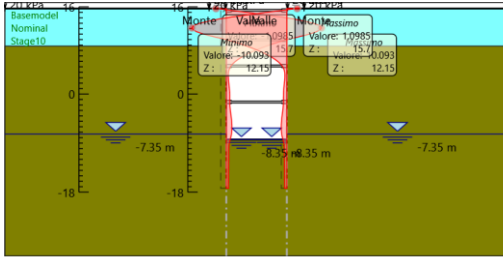
Grafici Spostamento in tabella



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Risultati Paratia

Tabella Risultati Paratia Nominal - Stage: Stage0

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	15.7	0	0
Stage0	15.35	0	0
Stage0	14.95	0	0
Stage0	14.55	0	0
Stage0	14.15	0	0
Stage0	13.75	0	0
Stage0	13.35	0	0
Stage0	12.95	0	0
Stage0	12.55	0	0
Stage0	12.15	0	0
Stage0	11.75	0	0
Stage0	11.35	0	0
Stage0	10.95	0	0
Stage0	10.55	0	0
Stage0	10.15	0	0
Stage0	9.95	0	0
Stage0	9.55	0	0
Stage0	9.15	0	0
Stage0	8.75	0	0
Stage0	8.35	0	0
Stage0	7.95	0	0
Stage0	7.55	0	0
Stage0	7.15	0	0
Stage0	6.75	0	0
Stage0	6.35	0	0
Stage0	5.95	0	0
Stage0	5.55	0	0
Stage0	5.15	0	0
Stage0	4.75	0	0
Stage0	4.35	0	0
Stage0	3.95	0	0
Stage0	3.55	0	0
Stage0	3.15	0	0
Stage0	2.75	0	0
Stage0	2.35	0	0
Stage0	1.95	0	0
Stage0	1.55	0	0
Stage0	1.15	0	0
Stage0	0.75	0	0
Stage0	0.35	0	0
Stage0	-0.05	0	0
Stage0	-0.45	0	0
Stage0	-0.85	0	0
Stage0	-1.25	0	0
Stage0	-1.45	0	0
Stage0	-1.85	0	0
Stage0	-2.25	0	0
Stage0	-2.65	0	0
Stage0	-3.05	0	0
Stage0	-3.45	0	0
Stage0	-3.85	0	0
Stage0	-4.25	0	0
Stage0	-4.65	0	0
Stage0	-5.05	0	0
Stage0	-5.45	0	0
Stage0	-5.85	0	0
Stage0	-6.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	-6.65	0	0
Stage0	-7.05	0	0
Stage0	-7.45	0	0
Stage0	-7.85	0	0
Stage0	-8.25	0	0
Stage0	-8.65	0	0
Stage0	-9.05	0	0
Stage0	-9.45	0	0
Stage0	-9.85	0	0
Stage0	-10.25	0	0
Stage0	-10.65	0	0
Stage0	-11.05	0	0
Stage0	-11.45	0	0
Stage0	-11.85	0	0
Stage0	-12.25	0	0
Stage0	-12.65	0	0
Stage0	-13.05	0	0
Stage0	-13.45	0	0
Stage0	-13.85	0	0
Stage0	-14.25	0	0
Stage0	-14.65	0	0
Stage0	-15.05	0	0
Stage0	-15.45	0	0
Stage0	-15.85	0	0
Stage0	-16.25	0	0
Stage0	-16.65	0	0
Stage0	-17.05	0	0
Stage0	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage0

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	15.7	0	0
Stage0	15.35	0	0
Stage0	14.95	0	0
Stage0	14.55	0	0
Stage0	14.15	0	0
Stage0	13.75	0	0
Stage0	13.35	0	0
Stage0	12.95	0	0
Stage0	12.55	0	0
Stage0	12.15	0	0
Stage0	11.75	0	0
Stage0	11.35	0	0
Stage0	10.95	0	0
Stage0	10.55	0	0
Stage0	10.15	0	0
Stage0	9.95	0	0
Stage0	9.55	0	0
Stage0	9.15	0	0
Stage0	8.75	0	0
Stage0	8.35	0	0
Stage0	7.95	0	0
Stage0	7.55	0	0
Stage0	7.15	0	0
Stage0	6.75	0	0
Stage0	6.35	0	0
Stage0	5.95	0	0
Stage0	5.55	0	0
Stage0	5.15	0	0
Stage0	4.75	0	0
Stage0	4.35	0	0
Stage0	3.95	0	0
Stage0	3.55	0	0
Stage0	3.15	0	0
Stage0	2.75	0	0
Stage0	2.35	0	0
Stage0	1.95	0	0
Stage0	1.55	0	0
Stage0	1.15	0	0
Stage0	0.75	0	0
Stage0	0.35	0	0
Stage0	-0.05	0	0
Stage0	-0.45	0	0
Stage0	-0.85	0	0
Stage0	-1.25	0	0
Stage0	-1.45	0	0
Stage0	-1.85	0	0
Stage0	-2.25	0	0
Stage0	-2.65	0	0
Stage0	-3.05	0	0
Stage0	-3.45	0	0
Stage0	-3.85	0	0
Stage0	-4.25	0	0
Stage0	-4.65	0	0
Stage0	-5.05	0	0
Stage0	-5.45	0	0
Stage0	-5.85	0	0
Stage0	-6.25	0	0
Stage0	-6.65	0	0
Stage0	-7.05	0	0
Stage0	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	-7.85	0	0
Stage0	-8.25	0	0
Stage0	-8.65	0	0
Stage0	-9.05	0	0
Stage0	-9.45	0	0
Stage0	-9.85	0	0
Stage0	-10.25	0	0
Stage0	-10.65	0	0
Stage0	-11.05	0	0
Stage0	-11.45	0	0
Stage0	-11.85	0	0
Stage0	-12.25	0	0
Stage0	-12.65	0	0
Stage0	-13.05	0	0
Stage0	-13.45	0	0
Stage0	-13.85	0	0
Stage0	-14.25	0	0
Stage0	-14.65	0	0
Stage0	-15.05	0	0
Stage0	-15.45	0	0
Stage0	-15.85	0	0
Stage0	-16.25	0	0
Stage0	-16.65	0	0
Stage0	-17.05	0	0
Stage0	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	15.7	0	0
Stage1	15.35	0	0
Stage1	15.35	0	0
Stage1	14.95	-1.33	-3.33
Stage1	14.55	-2.33	-2.49
Stage1	14.15	-2.51	-0.45
Stage1	13.75	-2.2	0.76
Stage1	13.35	-1.68	1.3
Stage1	12.95	-1.13	1.37
Stage1	12.55	-0.65	1.2
Stage1	12.15	-0.28	0.94
Stage1	11.75	0	0.69
Stage1	11.35	0.19	0.48
Stage1	10.95	0.31	0.32
Stage1	10.55	0.38	0.17
Stage1	10.15	0.39	0
Stage1	9.95	0.35	-0.18
Stage1	9.55	0.19	-0.4
Stage1	9.15	-0.15	-0.85
Stage1	8.75	-0.74	-1.47
Stage1	8.35	-0.4	0.86
Stage1	7.95	-0.09	0.77
Stage1	7.55	0.02	0.28
Stage1	7.15	0.03	0.02
Stage1	6.75	0.01	-0.04
Stage1	6.35	0	-0.03
Stage1	5.95	0	-0.01
Stage1	5.55	0	0
Stage1	5.15	0	0
Stage1	4.75	0	0
Stage1	4.35	0	0
Stage1	3.95	0	0
Stage1	3.55	0	0
Stage1	3.15	0	0
Stage1	2.75	0	0
Stage1	2.35	0	0
Stage1	1.95	0	0
Stage1	1.55	0	0
Stage1	1.15	0	0
Stage1	0.75	0	0
Stage1	0.35	0	0
Stage1	-0.05	0	0
Stage1	-0.45	0	0
Stage1	-0.85	0	0
Stage1	-1.25	0	0
Stage1	-1.45	0	0
Stage1	-1.85	0	0
Stage1	-2.25	0	0
Stage1	-2.65	0	0
Stage1	-3.05	0	0
Stage1	-3.45	0	0
Stage1	-3.85	0	0
Stage1	-4.25	0	0
Stage1	-4.65	0	0
Stage1	-5.05	0	0
Stage1	-5.45	0	0
Stage1	-5.85	0	0
Stage1	-6.25	0	0
Stage1	-6.65	0	0
Stage1	-7.05	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	-7.45	0	0
Stage1	-7.85	0	0
Stage1	-8.25	0	0
Stage1	-8.65	0	0
Stage1	-9.05	0	0
Stage1	-9.45	0	0
Stage1	-9.85	0	0
Stage1	-10.25	0	0
Stage1	-10.65	0	0
Stage1	-11.05	0	0
Stage1	-11.45	0	0
Stage1	-11.85	0	0
Stage1	-12.25	0	0
Stage1	-12.65	0	0
Stage1	-13.05	0	0
Stage1	-13.45	0	0
Stage1	-13.85	0	0
Stage1	-14.25	0	0
Stage1	-14.65	0	0
Stage1	-15.05	0	0
Stage1	-15.45	0	0
Stage1	-15.85	0	0
Stage1	-16.25	0	0
Stage1	-16.65	0	0
Stage1	-17.05	0	0
Stage1	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage1

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	15.7	0	0
Stage1	15.35	0	0
Stage1	15.35	0	0
Stage1	14.95	1.33	3.33
Stage1	14.55	2.33	2.49
Stage1	14.15	2.51	0.45
Stage1	13.75	2.2	-0.76
Stage1	13.35	1.68	-1.3
Stage1	12.95	1.13	-1.37
Stage1	12.55	0.65	-1.2
Stage1	12.15	0.28	-0.94
Stage1	11.75	0	-0.69
Stage1	11.35	-0.19	-0.48
Stage1	10.95	-0.31	-0.32
Stage1	10.55	-0.38	-0.17
Stage1	10.15	-0.39	0
Stage1	9.95	-0.35	0.18
Stage1	9.55	-0.19	0.4
Stage1	9.15	0.15	0.85
Stage1	8.75	0.74	1.47
Stage1	8.35	0.4	-0.86
Stage1	7.95	0.09	-0.77
Stage1	7.55	-0.02	-0.28
Stage1	7.15	-0.03	-0.02
Stage1	6.75	-0.01	0.04
Stage1	6.35	0	0.03
Stage1	5.95	0	0.01
Stage1	5.55	0	0
Stage1	5.15	0	0
Stage1	4.75	0	0
Stage1	4.35	0	0
Stage1	3.95	0	0
Stage1	3.55	0	0
Stage1	3.15	0	0
Stage1	2.75	0	0
Stage1	2.35	0	0
Stage1	1.95	0	0
Stage1	1.55	0	0
Stage1	1.15	0	0
Stage1	0.75	0	0
Stage1	0.35	0	0
Stage1	-0.05	0	0
Stage1	-0.45	0	0
Stage1	-0.85	0	0
Stage1	-1.25	0	0
Stage1	-1.45	0	0
Stage1	-1.85	0	0
Stage1	-2.25	0	0
Stage1	-2.65	0	0
Stage1	-3.05	0	0
Stage1	-3.45	0	0
Stage1	-3.85	0	0
Stage1	-4.25	0	0
Stage1	-4.65	0	0
Stage1	-5.05	0	0
Stage1	-5.45	0	0
Stage1	-5.85	0	0
Stage1	-6.25	0	0
Stage1	-6.65	0	0
Stage1	-7.05	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	-7.45	0	0
Stage1	-7.85	0	0
Stage1	-8.25	0	0
Stage1	-8.65	0	0
Stage1	-9.05	0	0
Stage1	-9.45	0	0
Stage1	-9.85	0	0
Stage1	-10.25	0	0
Stage1	-10.65	0	0
Stage1	-11.05	0	0
Stage1	-11.45	0	0
Stage1	-11.85	0	0
Stage1	-12.25	0	0
Stage1	-12.65	0	0
Stage1	-13.05	0	0
Stage1	-13.45	0	0
Stage1	-13.85	0	0
Stage1	-14.25	0	0
Stage1	-14.65	0	0
Stage1	-15.05	0	0
Stage1	-15.45	0	0
Stage1	-15.85	0	0
Stage1	-16.25	0	0
Stage1	-16.65	0	0
Stage1	-17.05	0	0
Stage1	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage2

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	15.7	0	0
Stage2	15.35	0	0
Stage2	15.35	0	0
Stage2	14.95	-1.33	-3.33
Stage2	14.55	-2.33	-2.49
Stage2	14.15	-2.51	-0.45
Stage2	13.75	-2.2	0.76
Stage2	13.35	-1.68	1.3
Stage2	12.95	-1.13	1.37
Stage2	12.55	-0.65	1.2
Stage2	12.15	-0.28	0.94
Stage2	11.75	0	0.69
Stage2	11.35	0.19	0.48
Stage2	10.95	0.31	0.32
Stage2	10.55	0.38	0.17
Stage2	10.15	0.39	0
Stage2	9.95	0.35	-0.18
Stage2	9.55	0.19	-0.4
Stage2	9.15	-0.15	-0.85
Stage2	8.75	-0.74	-1.47
Stage2	8.35	-0.4	0.86
Stage2	7.95	-0.09	0.77
Stage2	7.55	0.02	0.28
Stage2	7.15	0.03	0.02
Stage2	6.75	0.01	-0.04
Stage2	6.35	0	-0.03
Stage2	5.95	0	-0.01
Stage2	5.55	0	0
Stage2	5.15	0	0
Stage2	4.75	0	0
Stage2	4.35	0	0
Stage2	3.95	0	0
Stage2	3.55	0	0
Stage2	3.15	0	0
Stage2	2.75	0	0
Stage2	2.35	0	0
Stage2	1.95	0	0
Stage2	1.55	0	0
Stage2	1.15	0	0
Stage2	0.75	0	0
Stage2	0.35	0	0
Stage2	-0.05	0	0
Stage2	-0.45	0	0
Stage2	-0.85	0	0
Stage2	-1.25	0	0
Stage2	-1.45	0	0
Stage2	-1.85	0	0
Stage2	-2.25	0	0
Stage2	-2.65	0	0
Stage2	-3.05	0	0
Stage2	-3.45	0	0
Stage2	-3.85	0	0
Stage2	-4.25	0	0
Stage2	-4.65	0	0
Stage2	-5.05	0	0
Stage2	-5.45	0	0
Stage2	-5.85	0	0
Stage2	-6.25	0	0
Stage2	-6.65	0	0
Stage2	-7.05	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	-7.45	0	0
Stage2	-7.85	0	0
Stage2	-8.25	0	0
Stage2	-8.65	0	0
Stage2	-9.05	0	0
Stage2	-9.45	0	0
Stage2	-9.85	0	0
Stage2	-10.25	0	0
Stage2	-10.65	0	0
Stage2	-11.05	0	0
Stage2	-11.45	0	0
Stage2	-11.85	0	0
Stage2	-12.25	0	0
Stage2	-12.65	0	0
Stage2	-13.05	0	0
Stage2	-13.45	0	0
Stage2	-13.85	0	0
Stage2	-14.25	0	0
Stage2	-14.65	0	0
Stage2	-15.05	0	0
Stage2	-15.45	0	0
Stage2	-15.85	0	0
Stage2	-16.25	0	0
Stage2	-16.65	0	0
Stage2	-17.05	0	0
Stage2	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage2

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	15.7	0	0
Stage2	15.35	0	0
Stage2	15.35	0	0
Stage2	14.95	1.33	3.33
Stage2	14.55	2.33	2.49
Stage2	14.15	2.51	0.45
Stage2	13.75	2.2	-0.76
Stage2	13.35	1.68	-1.3
Stage2	12.95	1.13	-1.37
Stage2	12.55	0.65	-1.2
Stage2	12.15	0.28	-0.94
Stage2	11.75	0	-0.69
Stage2	11.35	-0.19	-0.48
Stage2	10.95	-0.31	-0.32
Stage2	10.55	-0.38	-0.17
Stage2	10.15	-0.39	0
Stage2	9.95	-0.35	0.18
Stage2	9.55	-0.19	0.4
Stage2	9.15	0.15	0.85
Stage2	8.75	0.74	1.47
Stage2	8.35	0.4	-0.86
Stage2	7.95	0.09	-0.77
Stage2	7.55	-0.02	-0.28
Stage2	7.15	-0.03	-0.02
Stage2	6.75	-0.01	0.04
Stage2	6.35	0	0.03
Stage2	5.95	0	0.01
Stage2	5.55	0	0
Stage2	5.15	0	0
Stage2	4.75	0	0
Stage2	4.35	0	0
Stage2	3.95	0	0
Stage2	3.55	0	0
Stage2	3.15	0	0
Stage2	2.75	0	0
Stage2	2.35	0	0
Stage2	1.95	0	0
Stage2	1.55	0	0
Stage2	1.15	0	0
Stage2	0.75	0	0
Stage2	0.35	0	0
Stage2	-0.05	0	0
Stage2	-0.45	0	0
Stage2	-0.85	0	0
Stage2	-1.25	0	0
Stage2	-1.45	0	0
Stage2	-1.85	0	0
Stage2	-2.25	0	0
Stage2	-2.65	0	0
Stage2	-3.05	0	0
Stage2	-3.45	0	0
Stage2	-3.85	0	0
Stage2	-4.25	0	0
Stage2	-4.65	0	0
Stage2	-5.05	0	0
Stage2	-5.45	0	0
Stage2	-5.85	0	0
Stage2	-6.25	0	0
Stage2	-6.65	0	0
Stage2	-7.05	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	-7.45	0	0
Stage2	-7.85	0	0
Stage2	-8.25	0	0
Stage2	-8.65	0	0
Stage2	-9.05	0	0
Stage2	-9.45	0	0
Stage2	-9.85	0	0
Stage2	-10.25	0	0
Stage2	-10.65	0	0
Stage2	-11.05	0	0
Stage2	-11.45	0	0
Stage2	-11.85	0	0
Stage2	-12.25	0	0
Stage2	-12.65	0	0
Stage2	-13.05	0	0
Stage2	-13.45	0	0
Stage2	-13.85	0	0
Stage2	-14.25	0	0
Stage2	-14.65	0	0
Stage2	-15.05	0	0
Stage2	-15.45	0	0
Stage2	-15.85	0	0
Stage2	-16.25	0	0
Stage2	-16.65	0	0
Stage2	-17.05	0	0
Stage2	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage3

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	15.7	0	-2.85
Stage3	15.35	-1	-2.85
Stage3	14.95	12.48	33.68
Stage3	14.55	25.95	33.68
Stage3	14.15	39.1	32.87
Stage3	13.75	51.32	30.55
Stage3	13.35	62.01	26.73
Stage3	12.95	70.57	21.4
Stage3	12.55	76.41	14.6
Stage3	12.15	78.94	6.34
Stage3	11.75	77.69	-3.13
Stage3	11.35	72.14	-13.89
Stage3	10.95	61.74	-25.98
Stage3	10.55	45.98	-39.41
Stage3	10.15	24.31	-54.18
Stage3	9.95	10.95	-66.78
Stage3	9.55	-21.15	-80.25
Stage3	9.15	-61.33	-100.46
Stage3	8.75	-103.75	-106.04
Stage3	8.35	-84.48	48.18
Stage3	7.95	-45.8	96.7
Stage3	7.55	-13.54	80.63
Stage3	7.15	0.93	36.18
Stage3	6.75	3.89	7.4
Stage3	6.35	2.63	-3.15
Stage3	5.95	1	-4.07
Stage3	5.55	0.11	-2.23
Stage3	5.15	-0.16	-0.67
Stage3	4.75	-0.14	0.04
Stage3	4.35	-0.07	0.19
Stage3	3.95	-0.02	0.13
Stage3	3.55	0	0.05
Stage3	3.15	0.01	0.01
Stage3	2.75	0	-0.01
Stage3	2.35	0	-0.01
Stage3	1.95	0	0
Stage3	1.55	0	0
Stage3	1.15	0	0
Stage3	0.75	0	0
Stage3	0.35	0	0
Stage3	-0.05	0	0
Stage3	-0.45	0	0
Stage3	-0.85	0	0
Stage3	-1.25	0	0
Stage3	-1.45	0	0
Stage3	-1.85	0	0
Stage3	-2.25	0	0
Stage3	-2.65	0	0
Stage3	-3.05	0	0
Stage3	-3.45	0	0
Stage3	-3.85	0	0
Stage3	-4.25	0	0
Stage3	-4.65	0	0
Stage3	-5.05	0	0
Stage3	-5.45	0	0
Stage3	-5.85	0	0
Stage3	-6.25	0	0
Stage3	-6.65	0	0
Stage3	-7.05	0	0
Stage3	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	-7.85	0	0
Stage3	-8.25	0	0
Stage3	-8.65	0	0
Stage3	-9.05	0	0
Stage3	-9.45	0	0
Stage3	-9.85	0	0
Stage3	-10.25	0	0
Stage3	-10.65	0	0
Stage3	-11.05	0	0
Stage3	-11.45	0	0
Stage3	-11.85	0	0
Stage3	-12.25	0	0
Stage3	-12.65	0	0
Stage3	-13.05	0	0
Stage3	-13.45	0	0
Stage3	-13.85	0	0
Stage3	-14.25	0	0
Stage3	-14.65	0	0
Stage3	-15.05	0	0
Stage3	-15.45	0	0
Stage3	-15.85	0	0
Stage3	-16.25	0	0
Stage3	-16.65	0	0
Stage3	-17.05	0	0
Stage3	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage3

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	15.7	0	2.85
Stage3	15.35	1	2.85
Stage3	14.95	-12.48	-33.68
Stage3	14.55	-25.95	-33.68
Stage3	14.15	-39.1	-32.87
Stage3	13.75	-51.32	-30.55
Stage3	13.35	-62.01	-26.73
Stage3	12.95	-70.57	-21.4
Stage3	12.55	-76.41	-14.6
Stage3	12.15	-78.94	-6.34
Stage3	11.75	-77.69	3.13
Stage3	11.35	-72.14	13.89
Stage3	10.95	-61.74	25.98
Stage3	10.55	-45.98	39.41
Stage3	10.15	-24.31	54.18
Stage3	9.95	-10.95	66.78
Stage3	9.55	21.15	80.25
Stage3	9.15	61.33	100.46
Stage3	8.75	103.75	106.04
Stage3	8.35	84.48	-48.18
Stage3	7.95	45.8	-96.7
Stage3	7.55	13.54	-80.63
Stage3	7.15	-0.93	-36.18
Stage3	6.75	-3.89	-7.4
Stage3	6.35	-2.63	3.15
Stage3	5.95	-1	4.07
Stage3	5.55	-0.11	2.23
Stage3	5.15	0.16	0.67
Stage3	4.75	0.14	-0.04
Stage3	4.35	0.07	-0.19
Stage3	3.95	0.02	-0.13
Stage3	3.55	0	-0.05
Stage3	3.15	-0.01	-0.01
Stage3	2.75	0	0.01
Stage3	2.35	0	0.01
Stage3	1.95	0	0
Stage3	1.55	0	0
Stage3	1.15	0	0
Stage3	0.75	0	0
Stage3	0.35	0	0
Stage3	-0.05	0	0
Stage3	-0.45	0	0
Stage3	-0.85	0	0
Stage3	-1.25	0	0
Stage3	-1.45	0	0
Stage3	-1.85	0	0
Stage3	-2.25	0	0
Stage3	-2.65	0	0
Stage3	-3.05	0	0
Stage3	-3.45	0	0
Stage3	-3.85	0	0
Stage3	-4.25	0	0
Stage3	-4.65	0	0
Stage3	-5.05	0	0
Stage3	-5.45	0	0
Stage3	-5.85	0	0
Stage3	-6.25	0	0
Stage3	-6.65	0	0
Stage3	-7.05	0	0
Stage3	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	-7.85	0	0
Stage3	-8.25	0	0
Stage3	-8.65	0	0
Stage3	-9.05	0	0
Stage3	-9.45	0	0
Stage3	-9.85	0	0
Stage3	-10.25	0	0
Stage3	-10.65	0	0
Stage3	-11.05	0	0
Stage3	-11.45	0	0
Stage3	-11.85	0	0
Stage3	-12.25	0	0
Stage3	-12.65	0	0
Stage3	-13.05	0	0
Stage3	-13.45	0	0
Stage3	-13.85	0	0
Stage3	-14.25	0	0
Stage3	-14.65	0	0
Stage3	-15.05	0	0
Stage3	-15.45	0	0
Stage3	-15.85	0	0
Stage3	-16.25	0	0
Stage3	-16.65	0	0
Stage3	-17.05	0	0
Stage3	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage4

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	15.7	0	-2.85
Stage4	15.35	-1	-2.85
Stage4	14.95	12.48	33.68
Stage4	14.55	25.95	33.68
Stage4	14.15	39.1	32.87
Stage4	13.75	51.32	30.55
Stage4	13.35	62.01	26.73
Stage4	12.95	70.57	21.4
Stage4	12.55	76.41	14.6
Stage4	12.15	78.94	6.34
Stage4	11.75	77.69	-3.13
Stage4	11.35	72.14	-13.89
Stage4	10.95	61.74	-25.98
Stage4	10.55	45.98	-39.41
Stage4	10.15	24.31	-54.18
Stage4	9.95	10.95	-66.78
Stage4	9.55	-21.15	-80.25
Stage4	9.15	-61.33	-100.46
Stage4	8.75	-103.75	-106.04
Stage4	8.35	-84.48	48.18
Stage4	7.95	-45.8	96.7
Stage4	7.55	-13.54	80.63
Stage4	7.15	0.93	36.18
Stage4	6.75	3.89	7.4
Stage4	6.35	2.63	-3.15
Stage4	5.95	1	-4.07
Stage4	5.55	0.11	-2.23
Stage4	5.15	-0.16	-0.67
Stage4	4.75	-0.14	0.04
Stage4	4.35	-0.07	0.19
Stage4	3.95	-0.02	0.13
Stage4	3.55	0	0.05
Stage4	3.15	0.01	0.01
Stage4	2.75	0	-0.01
Stage4	2.35	0	-0.01
Stage4	1.95	0	0
Stage4	1.55	0	0
Stage4	1.15	0	0
Stage4	0.75	0	0
Stage4	0.35	0	0
Stage4	-0.05	0	0
Stage4	-0.45	0	0
Stage4	-0.85	0	0
Stage4	-1.25	0	0
Stage4	-1.45	0	0
Stage4	-1.85	0	0
Stage4	-2.25	0	0
Stage4	-2.65	0	0
Stage4	-3.05	0	0
Stage4	-3.45	0	0
Stage4	-3.85	0	0
Stage4	-4.25	0	0
Stage4	-4.65	0	0
Stage4	-5.05	0	0
Stage4	-5.45	0	0
Stage4	-5.85	0	0
Stage4	-6.25	0	0
Stage4	-6.65	0	0
Stage4	-7.05	0	0
Stage4	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	-7.85	0	0
Stage4	-8.25	0	0
Stage4	-8.65	0	0
Stage4	-9.05	0	0
Stage4	-9.45	0	0
Stage4	-9.85	0	0
Stage4	-10.25	0	0
Stage4	-10.65	0	0
Stage4	-11.05	0	0
Stage4	-11.45	0	0
Stage4	-11.85	0	0
Stage4	-12.25	0	0
Stage4	-12.65	0	0
Stage4	-13.05	0	0
Stage4	-13.45	0	0
Stage4	-13.85	0	0
Stage4	-14.25	0	0
Stage4	-14.65	0	0
Stage4	-15.05	0	0
Stage4	-15.45	0	0
Stage4	-15.85	0	0
Stage4	-16.25	0	0
Stage4	-16.65	0	0
Stage4	-17.05	0	0
Stage4	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage4

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	15.7	0	2.85
Stage4	15.35	1	2.85
Stage4	14.95	-12.48	-33.68
Stage4	14.55	-25.95	-33.68
Stage4	14.15	-39.1	-32.87
Stage4	13.75	-51.32	-30.55
Stage4	13.35	-62.01	-26.73
Stage4	12.95	-70.57	-21.4
Stage4	12.55	-76.41	-14.6
Stage4	12.15	-78.94	-6.34
Stage4	11.75	-77.69	3.13
Stage4	11.35	-72.14	13.89
Stage4	10.95	-61.74	25.98
Stage4	10.55	-45.98	39.41
Stage4	10.15	-24.31	54.18
Stage4	9.95	-10.95	66.78
Stage4	9.55	21.15	80.25
Stage4	9.15	61.33	100.46
Stage4	8.75	103.75	106.04
Stage4	8.35	84.48	-48.18
Stage4	7.95	45.8	-96.7
Stage4	7.55	13.54	-80.63
Stage4	7.15	-0.93	-36.18
Stage4	6.75	-3.89	-7.4
Stage4	6.35	-2.63	3.15
Stage4	5.95	-1	4.07
Stage4	5.55	-0.11	2.23
Stage4	5.15	0.16	0.67
Stage4	4.75	0.14	-0.04
Stage4	4.35	0.07	-0.19
Stage4	3.95	0.02	-0.13
Stage4	3.55	0	-0.05
Stage4	3.15	-0.01	-0.01
Stage4	2.75	0	0.01
Stage4	2.35	0	0.01
Stage4	1.95	0	0
Stage4	1.55	0	0
Stage4	1.15	0	0
Stage4	0.75	0	0
Stage4	0.35	0	0
Stage4	-0.05	0	0
Stage4	-0.45	0	0
Stage4	-0.85	0	0
Stage4	-1.25	0	0
Stage4	-1.45	0	0
Stage4	-1.85	0	0
Stage4	-2.25	0	0
Stage4	-2.65	0	0
Stage4	-3.05	0	0
Stage4	-3.45	0	0
Stage4	-3.85	0	0
Stage4	-4.25	0	0
Stage4	-4.65	0	0
Stage4	-5.05	0	0
Stage4	-5.45	0	0
Stage4	-5.85	0	0
Stage4	-6.25	0	0
Stage4	-6.65	0	0
Stage4	-7.05	0	0
Stage4	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	-7.85	0	0
Stage4	-8.25	0	0
Stage4	-8.65	0	0
Stage4	-9.05	0	0
Stage4	-9.45	0	0
Stage4	-9.85	0	0
Stage4	-10.25	0	0
Stage4	-10.65	0	0
Stage4	-11.05	0	0
Stage4	-11.45	0	0
Stage4	-11.85	0	0
Stage4	-12.25	0	0
Stage4	-12.65	0	0
Stage4	-13.05	0	0
Stage4	-13.45	0	0
Stage4	-13.85	0	0
Stage4	-14.25	0	0
Stage4	-14.65	0	0
Stage4	-15.05	0	0
Stage4	-15.45	0	0
Stage4	-15.85	0	0
Stage4	-16.25	0	0
Stage4	-16.65	0	0
Stage4	-17.05	0	0
Stage4	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage5

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	15.7	0	-2.71
Stage5	15.35	-0.95	-2.71
Stage5	14.95	12.69	34.11
Stage5	14.55	26.2	33.76
Stage5	14.15	39.09	32.24
Stage5	13.75	50.63	28.84
Stage5	13.35	60.06	23.58
Stage5	12.95	66.65	16.47
Stage5	12.55	69.67	7.57
Stage5	12.15	68.47	-3
Stage5	11.75	62.53	-14.87
Stage5	11.35	51.38	-27.88
Stage5	10.95	34.67	-41.76
Stage5	10.55	12.24	-56.09
Stage5	10.15	-16.23	-71.16
Stage5	9.95	-32.88	-83.25
Stage5	9.55	-17.7	37.94
Stage5	9.15	-9.81	19.73
Stage5	8.75	-9.74	0.17
Stage5	8.35	-9.68	0.17
Stage5	7.95	-9.61	0.17
Stage5	7.55	-9.55	0.17
Stage5	7.15	-9.48	0.17
Stage5	6.75	-9.41	0.17
Stage5	6.35	-9.35	0.17
Stage5	5.95	-9.28	0.17
Stage5	5.55	-9.21	0.17
Stage5	5.15	-9.3	-0.22
Stage5	4.75	-10.18	-2.18
Stage5	4.35	-12.46	-5.7
Stage5	3.95	-8.03	11.06
Stage5	3.55	-3.45	11.45
Stage5	3.15	-0.72	6.82
Stage5	2.75	0.34	2.67
Stage5	2.35	0.5	0.38
Stage5	1.95	0.32	-0.43
Stage5	1.55	0.13	-0.48
Stage5	1.15	0.02	-0.29
Stage5	0.75	-0.03	-0.11
Stage5	0.35	-0.03	-0.01
Stage5	-0.05	-0.02	0.02
Stage5	-0.45	-0.01	0.02
Stage5	-0.85	-0.01	0.02
Stage5	-1.25	-0.01	0.01
Stage5	-1.45	0	0
Stage5	-1.85	0	0
Stage5	-2.25	0	0
Stage5	-2.65	0	0
Stage5	-3.05	0	0
Stage5	-3.45	0	0
Stage5	-3.85	0	0
Stage5	-4.25	0	0
Stage5	-4.65	0	0
Stage5	-5.05	0	0
Stage5	-5.45	0	0
Stage5	-5.85	0	0
Stage5	-6.25	0	0
Stage5	-6.65	0	0
Stage5	-7.05	0	0
Stage5	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	-7.85	0	0
Stage5	-8.25	0	0
Stage5	-8.65	0	0
Stage5	-9.05	0	0
Stage5	-9.45	0	0
Stage5	-9.85	0	0
Stage5	-10.25	0	0
Stage5	-10.65	0	0
Stage5	-11.05	0	0
Stage5	-11.45	0	0
Stage5	-11.85	0	0
Stage5	-12.25	0	0
Stage5	-12.65	0	0
Stage5	-13.05	0	0
Stage5	-13.45	0	0
Stage5	-13.85	0	0
Stage5	-14.25	0	0
Stage5	-14.65	0	0
Stage5	-15.05	0	0
Stage5	-15.45	0	0
Stage5	-15.85	0	0
Stage5	-16.25	0	0
Stage5	-16.65	0	0
Stage5	-17.05	0	0
Stage5	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage5

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	15.7	0	2.71
Stage5	15.35	0.95	2.71
Stage5	14.95	-12.69	-34.11
Stage5	14.55	-26.2	-33.76
Stage5	14.15	-39.09	-32.24
Stage5	13.75	-50.63	-28.84
Stage5	13.35	-60.06	-23.58
Stage5	12.95	-66.65	-16.47
Stage5	12.55	-69.67	-7.57
Stage5	12.15	-68.47	3
Stage5	11.75	-62.53	14.87
Stage5	11.35	-51.38	27.88
Stage5	10.95	-34.67	41.76
Stage5	10.55	-12.24	56.09
Stage5	10.15	16.23	71.16
Stage5	9.95	32.88	83.25
Stage5	9.55	17.7	-37.94
Stage5	9.15	9.81	-19.73
Stage5	8.75	9.74	-0.17
Stage5	8.35	9.68	-0.17
Stage5	7.95	9.61	-0.17
Stage5	7.55	9.55	-0.17
Stage5	7.15	9.48	-0.17
Stage5	6.75	9.41	-0.17
Stage5	6.35	9.35	-0.17
Stage5	5.95	9.28	-0.17
Stage5	5.55	9.21	-0.17
Stage5	5.15	9.3	0.22
Stage5	4.75	10.18	2.18
Stage5	4.35	12.46	5.7
Stage5	3.95	8.03	-11.06
Stage5	3.55	3.45	-11.45
Stage5	3.15	0.72	-6.82
Stage5	2.75	-0.34	-2.67
Stage5	2.35	-0.5	-0.38
Stage5	1.95	-0.32	0.43
Stage5	1.55	-0.13	0.48
Stage5	1.15	-0.02	0.29
Stage5	0.75	0.03	0.11
Stage5	0.35	0.03	0.01
Stage5	-0.05	0.02	-0.02
Stage5	-0.45	0.01	-0.02
Stage5	-0.85	0.01	-0.02
Stage5	-1.25	0.01	-0.01
Stage5	-1.45	0	0
Stage5	-1.85	0	0
Stage5	-2.25	0	0
Stage5	-2.65	0	0
Stage5	-3.05	0	0
Stage5	-3.45	0	0
Stage5	-3.85	0	0
Stage5	-4.25	0	0
Stage5	-4.65	0	0
Stage5	-5.05	0	0
Stage5	-5.45	0	0
Stage5	-5.85	0	0
Stage5	-6.25	0	0
Stage5	-6.65	0	0
Stage5	-7.05	0	0
Stage5	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	-7.85	0	0
Stage5	-8.25	0	0
Stage5	-8.65	0	0
Stage5	-9.05	0	0
Stage5	-9.45	0	0
Stage5	-9.85	0	0
Stage5	-10.25	0	0
Stage5	-10.65	0	0
Stage5	-11.05	0	0
Stage5	-11.45	0	0
Stage5	-11.85	0	0
Stage5	-12.25	0	0
Stage5	-12.65	0	0
Stage5	-13.05	0	0
Stage5	-13.45	0	0
Stage5	-13.85	0	0
Stage5	-14.25	0	0
Stage5	-14.65	0	0
Stage5	-15.05	0	0
Stage5	-15.45	0	0
Stage5	-15.85	0	0
Stage5	-16.25	0	0
Stage5	-16.65	0	0
Stage5	-17.05	0	0
Stage5	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage6

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	15.7	0	-2.71
Stage6	15.35	-0.95	-2.71
Stage6	14.95	12.69	34.11
Stage6	14.55	26.2	33.76
Stage6	14.15	39.09	32.24
Stage6	13.75	50.63	28.84
Stage6	13.35	60.06	23.58
Stage6	12.95	66.65	16.47
Stage6	12.55	69.67	7.57
Stage6	12.15	68.47	-3
Stage6	11.75	62.53	-14.87
Stage6	11.35	51.38	-27.88
Stage6	10.95	34.67	-41.76
Stage6	10.55	12.24	-56.09
Stage6	10.15	-16.23	-71.16
Stage6	9.95	-32.88	-83.25
Stage6	9.55	-17.7	37.94
Stage6	9.15	-9.81	19.73
Stage6	8.75	-9.74	0.17
Stage6	8.35	-9.68	0.17
Stage6	7.95	-9.61	0.17
Stage6	7.55	-9.55	0.17
Stage6	7.15	-9.48	0.17
Stage6	6.75	-9.41	0.17
Stage6	6.35	-9.35	0.17
Stage6	5.95	-9.28	0.17
Stage6	5.55	-9.21	0.17
Stage6	5.15	-9.3	-0.22
Stage6	4.75	-10.18	-2.18
Stage6	4.35	-12.46	-5.7
Stage6	3.95	-8.03	11.06
Stage6	3.55	-3.45	11.45
Stage6	3.15	-0.72	6.82
Stage6	2.75	0.34	2.67
Stage6	2.35	0.5	0.38
Stage6	1.95	0.32	-0.43
Stage6	1.55	0.13	-0.48
Stage6	1.15	0.02	-0.29
Stage6	0.75	-0.03	-0.11
Stage6	0.35	-0.03	-0.01
Stage6	-0.05	-0.02	0.02
Stage6	-0.45	-0.01	0.02
Stage6	-0.85	-0.01	0.02
Stage6	-1.25	-0.01	0.01
Stage6	-1.45	0	0
Stage6	-1.85	0	0
Stage6	-2.25	0	0
Stage6	-2.65	0	0
Stage6	-3.05	0	0
Stage6	-3.45	0	0
Stage6	-3.85	0	0
Stage6	-4.25	0	0
Stage6	-4.65	0	0
Stage6	-5.05	0	0
Stage6	-5.45	0	0
Stage6	-5.85	0	0
Stage6	-6.25	0	0
Stage6	-6.65	0	0
Stage6	-7.05	0	0
Stage6	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	-7.85	0	0
Stage6	-8.25	0	0
Stage6	-8.65	0	0
Stage6	-9.05	0	0
Stage6	-9.45	0	0
Stage6	-9.85	0	0
Stage6	-10.25	0	0
Stage6	-10.65	0	0
Stage6	-11.05	0	0
Stage6	-11.45	0	0
Stage6	-11.85	0	0
Stage6	-12.25	0	0
Stage6	-12.65	0	0
Stage6	-13.05	0	0
Stage6	-13.45	0	0
Stage6	-13.85	0	0
Stage6	-14.25	0	0
Stage6	-14.65	0	0
Stage6	-15.05	0	0
Stage6	-15.45	0	0
Stage6	-15.85	0	0
Stage6	-16.25	0	0
Stage6	-16.65	0	0
Stage6	-17.05	0	0
Stage6	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage6

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	15.7	0	2.71
Stage6	15.35	0.95	2.71
Stage6	14.95	-12.69	-34.11
Stage6	14.55	-26.2	-33.76
Stage6	14.15	-39.09	-32.24
Stage6	13.75	-50.63	-28.84
Stage6	13.35	-60.06	-23.58
Stage6	12.95	-66.65	-16.47
Stage6	12.55	-69.67	-7.57
Stage6	12.15	-68.47	3
Stage6	11.75	-62.53	14.87
Stage6	11.35	-51.38	27.88
Stage6	10.95	-34.67	41.76
Stage6	10.55	-12.24	56.09
Stage6	10.15	16.23	71.16
Stage6	9.95	32.88	83.25
Stage6	9.55	17.7	-37.94
Stage6	9.15	9.81	-19.73
Stage6	8.75	9.74	-0.17
Stage6	8.35	9.68	-0.17
Stage6	7.95	9.61	-0.17
Stage6	7.55	9.55	-0.17
Stage6	7.15	9.48	-0.17
Stage6	6.75	9.41	-0.17
Stage6	6.35	9.35	-0.17
Stage6	5.95	9.28	-0.17
Stage6	5.55	9.21	-0.17
Stage6	5.15	9.3	0.22
Stage6	4.75	10.18	2.18
Stage6	4.35	12.46	5.7
Stage6	3.95	8.03	-11.06
Stage6	3.55	3.45	-11.45
Stage6	3.15	0.72	-6.82
Stage6	2.75	-0.34	-2.67
Stage6	2.35	-0.5	-0.38
Stage6	1.95	-0.32	0.43
Stage6	1.55	-0.13	0.48
Stage6	1.15	-0.02	0.29
Stage6	0.75	0.03	0.11
Stage6	0.35	0.03	0.01
Stage6	-0.05	0.02	-0.02
Stage6	-0.45	0.01	-0.02
Stage6	-0.85	0.01	-0.02
Stage6	-1.25	0.01	-0.01
Stage6	-1.45	0	0
Stage6	-1.85	0	0
Stage6	-2.25	0	0
Stage6	-2.65	0	0
Stage6	-3.05	0	0
Stage6	-3.45	0	0
Stage6	-3.85	0	0
Stage6	-4.25	0	0
Stage6	-4.65	0	0
Stage6	-5.05	0	0
Stage6	-5.45	0	0
Stage6	-5.85	0	0
Stage6	-6.25	0	0
Stage6	-6.65	0	0
Stage6	-7.05	0	0
Stage6	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	-7.85	0	0
Stage6	-8.25	0	0
Stage6	-8.65	0	0
Stage6	-9.05	0	0
Stage6	-9.45	0	0
Stage6	-9.85	0	0
Stage6	-10.25	0	0
Stage6	-10.65	0	0
Stage6	-11.05	0	0
Stage6	-11.45	0	0
Stage6	-11.85	0	0
Stage6	-12.25	0	0
Stage6	-12.65	0	0
Stage6	-13.05	0	0
Stage6	-13.45	0	0
Stage6	-13.85	0	0
Stage6	-14.25	0	0
Stage6	-14.65	0	0
Stage6	-15.05	0	0
Stage6	-15.45	0	0
Stage6	-15.85	0	0
Stage6	-16.25	0	0
Stage6	-16.65	0	0
Stage6	-17.05	0	0
Stage6	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage7

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	15.7	0	-2.71
Stage7	15.35	-0.95	-2.71
Stage7	14.95	12.69	34.1
Stage7	14.55	26.2	33.76
Stage7	14.15	39.09	32.24
Stage7	13.75	50.63	28.84
Stage7	13.35	60.06	23.58
Stage7	12.95	66.64	16.46
Stage7	12.55	69.67	7.57
Stage7	12.15	68.47	-3
Stage7	11.75	62.52	-14.87
Stage7	11.35	51.37	-27.88
Stage7	10.95	34.66	-41.76
Stage7	10.55	12.22	-56.1
Stage7	10.15	-16.24	-71.16
Stage7	9.95	-32.89	-83.25
Stage7	9.55	-17.69	38.01
Stage7	9.15	-9.76	19.81
Stage7	8.75	-9.66	0.24
Stage7	8.35	-9.58	0.22
Stage7	7.95	-9.52	0.13
Stage7	7.55	-9.53	-0.02
Stage7	7.15	-9.63	-0.26
Stage7	6.75	-9.91	-0.68
Stage7	6.35	-10.37	-1.15
Stage7	5.95	-10.89	-1.31
Stage7	5.55	-11.41	-1.31
Stage7	5.15	-11.93	-1.31
Stage7	4.75	-9.84	5.24
Stage7	4.35	-7.74	5.24
Stage7	3.95	-5.64	5.24
Stage7	3.55	-3.55	5.24
Stage7	3.15	-1.88	4.17
Stage7	2.75	-1.03	2.12
Stage7	2.35	-0.67	0.91
Stage7	1.95	-0.31	0.91
Stage7	1.55	0.06	0.91
Stage7	1.15	0.42	0.91
Stage7	0.75	0.78	0.91
Stage7	0.35	1.14	0.91
Stage7	-0.05	1.51	0.91
Stage7	-0.45	1.87	0.91
Stage7	-0.85	2.23	0.91
Stage7	-1.25	2.59	0.91
Stage7	-1.45	2.6	0.03
Stage7	-1.85	2.03	-1.42
Stage7	-2.25	-2.24	-10.69
Stage7	-2.65	-2.93	-1.72
Stage7	-3.05	-2.15	1.95
Stage7	-3.45	-1.16	2.48
Stage7	-3.85	-0.45	1.78
Stage7	-4.25	-0.08	0.92
Stage7	-4.65	0.05	0.32
Stage7	-5.05	0.06	0.02
Stage7	-5.45	0.03	-0.08
Stage7	-5.85	0	-0.08
Stage7	-6.25	-0.02	-0.04
Stage7	-6.65	-0.02	-0.01
Stage7	-7.05	-0.02	0
Stage7	-7.45	-0.02	0.01

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	-7.85	-0.02	0.01
Stage7	-8.25	-0.01	0.01
Stage7	-8.65	-0.01	0.01
Stage7	-9.05	-0.01	0
Stage7	-9.45	-0.01	0
Stage7	-9.85	-0.01	0
Stage7	-10.25	-0.01	0
Stage7	-10.65	-0.01	0
Stage7	-11.05	-0.01	0
Stage7	-11.45	-0.01	0
Stage7	-11.85	0	0
Stage7	-12.25	0	0
Stage7	-12.65	0	0
Stage7	-13.05	0	0
Stage7	-13.45	0	0
Stage7	-13.85	0	0
Stage7	-14.25	0	0
Stage7	-14.65	0	0
Stage7	-15.05	0	0
Stage7	-15.45	0	0
Stage7	-15.85	0	0
Stage7	-16.25	0	0
Stage7	-16.65	0	0
Stage7	-17.05	0	0
Stage7	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage7

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	15.7	0	2.71
Stage7	15.35	0.95	2.71
Stage7	14.95	-12.69	-34.1
Stage7	14.55	-26.2	-33.76
Stage7	14.15	-39.09	-32.24
Stage7	13.75	-50.63	-28.84
Stage7	13.35	-60.06	-23.58
Stage7	12.95	-66.64	-16.46
Stage7	12.55	-69.67	-7.57
Stage7	12.15	-68.47	3
Stage7	11.75	-62.52	14.87
Stage7	11.35	-51.37	27.88
Stage7	10.95	-34.66	41.76
Stage7	10.55	-12.22	56.1
Stage7	10.15	16.24	71.16
Stage7	9.95	32.89	83.25
Stage7	9.55	17.69	-38.01
Stage7	9.15	9.76	-19.81
Stage7	8.75	9.66	-0.24
Stage7	8.35	9.58	-0.22
Stage7	7.95	9.52	-0.13
Stage7	7.55	9.53	0.02
Stage7	7.15	9.63	0.26
Stage7	6.75	9.91	0.68
Stage7	6.35	10.37	1.15
Stage7	5.95	10.89	1.31
Stage7	5.55	11.41	1.31
Stage7	5.15	11.93	1.31
Stage7	4.75	9.84	-5.24
Stage7	4.35	7.74	-5.24
Stage7	3.95	5.64	-5.24
Stage7	3.55	3.55	-5.24
Stage7	3.15	1.88	-4.17
Stage7	2.75	1.03	-2.12
Stage7	2.35	0.67	-0.91
Stage7	1.95	0.31	-0.91
Stage7	1.55	-0.06	-0.91
Stage7	1.15	-0.42	-0.91
Stage7	0.75	-0.78	-0.91
Stage7	0.35	-1.14	-0.91
Stage7	-0.05	-1.51	-0.91
Stage7	-0.45	-1.87	-0.91
Stage7	-0.85	-2.23	-0.91
Stage7	-1.25	-2.59	-0.91
Stage7	-1.45	-2.6	-0.03
Stage7	-1.85	-2.03	1.42
Stage7	-2.25	2.24	10.69
Stage7	-2.65	2.93	1.72
Stage7	-3.05	2.15	-1.95
Stage7	-3.45	1.16	-2.48
Stage7	-3.85	0.45	-1.78
Stage7	-4.25	0.08	-0.92
Stage7	-4.65	-0.05	-0.32
Stage7	-5.05	-0.06	-0.02
Stage7	-5.45	-0.03	0.08
Stage7	-5.85	0	0.08
Stage7	-6.25	0.02	0.04
Stage7	-6.65	0.02	0.01
Stage7	-7.05	0.02	0
Stage7	-7.45	0.02	-0.01

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	-7.85	0.02	-0.01
Stage7	-8.25	0.01	-0.01
Stage7	-8.65	0.01	-0.01
Stage7	-9.05	0.01	0
Stage7	-9.45	0.01	0
Stage7	-9.85	0.01	0
Stage7	-10.25	0.01	0
Stage7	-10.65	0.01	0
Stage7	-11.05	0.01	0
Stage7	-11.45	0.01	0
Stage7	-11.85	0	0
Stage7	-12.25	0	0
Stage7	-12.65	0	0
Stage7	-13.05	0	0
Stage7	-13.45	0	0
Stage7	-13.85	0	0
Stage7	-14.25	0	0
Stage7	-14.65	0	0
Stage7	-15.05	0	0
Stage7	-15.45	0	0
Stage7	-15.85	0	0
Stage7	-16.25	0	0
Stage7	-16.65	0	0
Stage7	-17.05	0	0
Stage7	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage8

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	15.7	0	-2.71
Stage8	15.35	-0.95	-2.71
Stage8	14.95	12.69	34.1
Stage8	14.55	26.2	33.76
Stage8	14.15	39.09	32.24
Stage8	13.75	50.63	28.84
Stage8	13.35	60.06	23.58
Stage8	12.95	66.64	16.46
Stage8	12.55	69.67	7.57
Stage8	12.15	68.47	-3
Stage8	11.75	62.52	-14.87
Stage8	11.35	51.37	-27.88
Stage8	10.95	34.66	-41.76
Stage8	10.55	12.22	-56.1
Stage8	10.15	-16.24	-71.16
Stage8	9.95	-32.89	-83.25
Stage8	9.55	-17.69	38.01
Stage8	9.15	-9.76	19.81
Stage8	8.75	-9.66	0.24
Stage8	8.35	-9.58	0.22
Stage8	7.95	-9.52	0.13
Stage8	7.55	-9.53	-0.02
Stage8	7.15	-9.63	-0.26
Stage8	6.75	-9.91	-0.68
Stage8	6.35	-10.37	-1.15
Stage8	5.95	-10.89	-1.31
Stage8	5.55	-11.41	-1.31
Stage8	5.15	-11.93	-1.31
Stage8	4.75	-9.84	5.24
Stage8	4.35	-7.74	5.24
Stage8	3.95	-5.64	5.24
Stage8	3.55	-3.55	5.24
Stage8	3.15	-1.88	4.17
Stage8	2.75	-1.03	2.12
Stage8	2.35	-0.67	0.91
Stage8	1.95	-0.31	0.91
Stage8	1.55	0.06	0.91
Stage8	1.15	0.42	0.91
Stage8	0.75	0.78	0.91
Stage8	0.35	1.14	0.91
Stage8	-0.05	1.51	0.91
Stage8	-0.45	1.87	0.91
Stage8	-0.85	2.23	0.91
Stage8	-1.25	2.59	0.91
Stage8	-1.45	2.6	0.03
Stage8	-1.85	2.03	-1.42
Stage8	-2.25	-2.24	-10.69
Stage8	-2.65	-2.93	-1.72
Stage8	-3.05	-2.15	1.95
Stage8	-3.45	-1.16	2.48
Stage8	-3.85	-0.45	1.78
Stage8	-4.25	-0.08	0.92
Stage8	-4.65	0.05	0.32
Stage8	-5.05	0.06	0.02
Stage8	-5.45	0.03	-0.08
Stage8	-5.85	0	-0.08
Stage8	-6.25	-0.02	-0.04
Stage8	-6.65	-0.02	-0.01
Stage8	-7.05	-0.02	0
Stage8	-7.45	-0.02	0.01

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	-7.85	-0.02	0.01
Stage8	-8.25	-0.01	0.01
Stage8	-8.65	-0.01	0.01
Stage8	-9.05	-0.01	0
Stage8	-9.45	-0.01	0
Stage8	-9.85	-0.01	0
Stage8	-10.25	-0.01	0
Stage8	-10.65	-0.01	0
Stage8	-11.05	-0.01	0
Stage8	-11.45	-0.01	0
Stage8	-11.85	0	0
Stage8	-12.25	0	0
Stage8	-12.65	0	0
Stage8	-13.05	0	0
Stage8	-13.45	0	0
Stage8	-13.85	0	0
Stage8	-14.25	0	0
Stage8	-14.65	0	0
Stage8	-15.05	0	0
Stage8	-15.45	0	0
Stage8	-15.85	0	0
Stage8	-16.25	0	0
Stage8	-16.65	0	0
Stage8	-17.05	0	0
Stage8	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage8

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	15.7	0	2.71
Stage8	15.35	0.95	2.71
Stage8	14.95	-12.69	-34.1
Stage8	14.55	-26.2	-33.76
Stage8	14.15	-39.09	-32.24
Stage8	13.75	-50.63	-28.84
Stage8	13.35	-60.06	-23.58
Stage8	12.95	-66.64	-16.46
Stage8	12.55	-69.67	-7.57
Stage8	12.15	-68.47	3
Stage8	11.75	-62.52	14.87
Stage8	11.35	-51.37	27.88
Stage8	10.95	-34.66	41.76
Stage8	10.55	-12.22	56.1
Stage8	10.15	16.24	71.16
Stage8	9.95	32.89	83.25
Stage8	9.55	17.69	-38.01
Stage8	9.15	9.76	-19.81
Stage8	8.75	9.66	-0.24
Stage8	8.35	9.58	-0.22
Stage8	7.95	9.52	-0.13
Stage8	7.55	9.53	0.02
Stage8	7.15	9.63	0.26
Stage8	6.75	9.91	0.68
Stage8	6.35	10.37	1.15
Stage8	5.95	10.89	1.31
Stage8	5.55	11.41	1.31
Stage8	5.15	11.93	1.31
Stage8	4.75	9.84	-5.24
Stage8	4.35	7.74	-5.24
Stage8	3.95	5.64	-5.24
Stage8	3.55	3.55	-5.24
Stage8	3.15	1.88	-4.17
Stage8	2.75	1.03	-2.12
Stage8	2.35	0.67	-0.91
Stage8	1.95	0.31	-0.91
Stage8	1.55	-0.06	-0.91
Stage8	1.15	-0.42	-0.91
Stage8	0.75	-0.78	-0.91
Stage8	0.35	-1.14	-0.91
Stage8	-0.05	-1.51	-0.91
Stage8	-0.45	-1.87	-0.91
Stage8	-0.85	-2.23	-0.91
Stage8	-1.25	-2.59	-0.91
Stage8	-1.45	-2.6	-0.03
Stage8	-1.85	-2.03	1.42
Stage8	-2.25	2.24	10.69
Stage8	-2.65	2.93	1.72
Stage8	-3.05	2.15	-1.95
Stage8	-3.45	1.16	-2.48
Stage8	-3.85	0.45	-1.78
Stage8	-4.25	0.08	-0.92
Stage8	-4.65	-0.05	-0.32
Stage8	-5.05	-0.06	-0.02
Stage8	-5.45	-0.03	0.08
Stage8	-5.85	0	0.08
Stage8	-6.25	0.02	0.04
Stage8	-6.65	0.02	0.01
Stage8	-7.05	0.02	0
Stage8	-7.45	0.02	-0.01

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	-7.85	0.02	-0.01
Stage8	-8.25	0.01	-0.01
Stage8	-8.65	0.01	-0.01
Stage8	-9.05	0.01	0
Stage8	-9.45	0.01	0
Stage8	-9.85	0.01	0
Stage8	-10.25	0.01	0
Stage8	-10.65	0.01	0
Stage8	-11.05	0.01	0
Stage8	-11.45	0.01	0
Stage8	-11.85	0	0
Stage8	-12.25	0	0
Stage8	-12.65	0	0
Stage8	-13.05	0	0
Stage8	-13.45	0	0
Stage8	-13.85	0	0
Stage8	-14.25	0	0
Stage8	-14.65	0	0
Stage8	-15.05	0	0
Stage8	-15.45	0	0
Stage8	-15.85	0	0
Stage8	-16.25	0	0
Stage8	-16.65	0	0
Stage8	-17.05	0	0
Stage8	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage9

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	15.7	0	-2.71
Stage9	15.35	-0.95	-2.71
Stage9	14.95	12.69	34.1
Stage9	14.55	26.2	33.76
Stage9	14.15	39.09	32.24
Stage9	13.75	50.63	28.84
Stage9	13.35	60.06	23.58
Stage9	12.95	66.64	16.46
Stage9	12.55	69.67	7.57
Stage9	12.15	68.47	-3
Stage9	11.75	62.52	-14.87
Stage9	11.35	51.37	-27.88
Stage9	10.95	34.66	-41.76
Stage9	10.55	12.22	-56.1
Stage9	10.15	-16.24	-71.16
Stage9	9.95	-32.89	-83.25
Stage9	9.55	-17.69	38.01
Stage9	9.15	-9.76	19.81
Stage9	8.75	-9.66	0.24
Stage9	8.35	-9.58	0.22
Stage9	7.95	-9.52	0.13
Stage9	7.55	-9.53	-0.02
Stage9	7.15	-9.63	-0.26
Stage9	6.75	-9.91	-0.68
Stage9	6.35	-10.37	-1.15
Stage9	5.95	-10.89	-1.3
Stage9	5.55	-11.41	-1.3
Stage9	5.15	-11.93	-1.31
Stage9	4.75	-9.84	5.24
Stage9	4.35	-7.75	5.23
Stage9	3.95	-5.65	5.23
Stage9	3.55	-3.56	5.23
Stage9	3.15	-1.89	4.17
Stage9	2.75	-1.03	2.16
Stage9	2.35	-0.63	1
Stage9	1.95	-0.23	0.99
Stage9	1.55	0.16	0.97
Stage9	1.15	0.53	0.93
Stage9	0.75	0.87	0.85
Stage9	0.35	1.1	0.57
Stage9	-0.05	1.12	0.04
Stage9	-0.45	0.85	-0.67
Stage9	-0.85	0.35	-1.25
Stage9	-1.25	-0.16	-1.25
Stage9	-1.45	-0.41	-1.25
Stage9	-1.85	0.74	2.88
Stage9	-2.25	1.89	2.88
Stage9	-2.65	3.05	2.88
Stage9	-3.05	2.75	-0.73
Stage9	-3.45	-1.54	-10.74
Stage9	-3.85	-2.58	-2.6
Stage9	-4.25	-2.06	1.32
Stage9	-4.65	-1.18	2.18
Stage9	-5.05	-0.51	1.69
Stage9	-5.45	-0.13	0.94
Stage9	-5.85	0.02	0.37
Stage9	-6.25	0.04	0.06
Stage9	-6.65	0.02	-0.05
Stage9	-7.05	-0.01	-0.06
Stage9	-7.45	-0.02	-0.04

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	-7.85	-0.03	-0.01
Stage9	-8.25	-0.03	0
Stage9	-8.65	-0.02	0.01
Stage9	-9.05	-0.02	0.01
Stage9	-9.45	-0.01	0.01
Stage9	-9.85	-0.01	0.01
Stage9	-10.25	-0.01	0
Stage9	-10.65	-0.01	0
Stage9	-11.05	-0.01	0
Stage9	-11.45	-0.01	0
Stage9	-11.85	-0.01	0
Stage9	-12.25	-0.01	0
Stage9	-12.65	-0.01	0
Stage9	-13.05	-0.01	0
Stage9	-13.45	-0.01	0
Stage9	-13.85	0	0
Stage9	-14.25	0	0
Stage9	-14.65	0	0
Stage9	-15.05	0	0
Stage9	-15.45	0	0
Stage9	-15.85	0	0
Stage9	-16.25	0	0
Stage9	-16.65	0	0
Stage9	-17.05	0	0
Stage9	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage9

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	15.7	0	2.71
Stage9	15.35	0.95	2.71
Stage9	14.95	-12.69	-34.1
Stage9	14.55	-26.2	-33.76
Stage9	14.15	-39.09	-32.24
Stage9	13.75	-50.63	-28.84
Stage9	13.35	-60.06	-23.58
Stage9	12.95	-66.64	-16.46
Stage9	12.55	-69.67	-7.57
Stage9	12.15	-68.47	3
Stage9	11.75	-62.52	14.87
Stage9	11.35	-51.37	27.88
Stage9	10.95	-34.66	41.76
Stage9	10.55	-12.22	56.1
Stage9	10.15	16.24	71.16
Stage9	9.95	32.89	83.25
Stage9	9.55	17.69	-38.01
Stage9	9.15	9.76	-19.81
Stage9	8.75	9.66	-0.24
Stage9	8.35	9.58	-0.22
Stage9	7.95	9.52	-0.13
Stage9	7.55	9.53	0.02
Stage9	7.15	9.63	0.26
Stage9	6.75	9.91	0.68
Stage9	6.35	10.37	1.15
Stage9	5.95	10.89	1.3
Stage9	5.55	11.41	1.3
Stage9	5.15	11.93	1.31
Stage9	4.75	9.84	-5.24
Stage9	4.35	7.75	-5.23
Stage9	3.95	5.65	-5.23
Stage9	3.55	3.56	-5.23
Stage9	3.15	1.89	-4.17
Stage9	2.75	1.03	-2.16
Stage9	2.35	0.63	-1
Stage9	1.95	0.23	-0.99
Stage9	1.55	-0.16	-0.97
Stage9	1.15	-0.53	-0.93
Stage9	0.75	-0.87	-0.85
Stage9	0.35	-1.1	-0.57
Stage9	-0.05	-1.12	-0.04
Stage9	-0.45	-0.85	0.67
Stage9	-0.85	-0.35	1.25
Stage9	-1.25	0.16	1.25
Stage9	-1.45	0.41	1.25
Stage9	-1.85	-0.74	-2.88
Stage9	-2.25	-1.89	-2.88
Stage9	-2.65	-3.05	-2.88
Stage9	-3.05	-2.75	0.73
Stage9	-3.45	1.54	10.74
Stage9	-3.85	2.58	2.6
Stage9	-4.25	2.06	-1.32
Stage9	-4.65	1.18	-2.18
Stage9	-5.05	0.51	-1.69
Stage9	-5.45	0.13	-0.94
Stage9	-5.85	-0.02	-0.37
Stage9	-6.25	-0.04	-0.06
Stage9	-6.65	-0.02	0.05
Stage9	-7.05	0.01	0.06
Stage9	-7.45	0.02	0.04

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	-7.85	0.03	0.01
Stage9	-8.25	0.03	0
Stage9	-8.65	0.02	-0.01
Stage9	-9.05	0.02	-0.01
Stage9	-9.45	0.01	-0.01
Stage9	-9.85	0.01	-0.01
Stage9	-10.25	0.01	0
Stage9	-10.65	0.01	0
Stage9	-11.05	0.01	0
Stage9	-11.45	0.01	0
Stage9	-11.85	0.01	0
Stage9	-12.25	0.01	0
Stage9	-12.65	0.01	0
Stage9	-13.05	0.01	0
Stage9	-13.45	0.01	0
Stage9	-13.85	0	0
Stage9	-14.25	0	0
Stage9	-14.65	0	0
Stage9	-15.05	0	0
Stage9	-15.45	0	0
Stage9	-15.85	0	0
Stage9	-16.25	0	0
Stage9	-16.65	0	0
Stage9	-17.05	0	0
Stage9	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage10

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	15.7	0	-2.71
Stage10	15.35	-0.95	-2.71
Stage10	14.95	12.69	34.1
Stage10	14.55	26.2	33.76
Stage10	14.15	39.09	32.24
Stage10	13.75	50.63	28.84
Stage10	13.35	60.06	23.58
Stage10	12.95	66.64	16.46
Stage10	12.55	69.67	7.57
Stage10	12.15	68.47	-3
Stage10	11.75	62.52	-14.87
Stage10	11.35	51.37	-27.88
Stage10	10.95	34.66	-41.76
Stage10	10.55	12.22	-56.1
Stage10	10.15	-16.24	-71.16
Stage10	9.95	-32.89	-83.25
Stage10	9.55	-17.69	38.01
Stage10	9.15	-9.76	19.81
Stage10	8.75	-9.66	0.24
Stage10	8.35	-9.58	0.22
Stage10	7.95	-9.52	0.13
Stage10	7.55	-9.53	-0.02
Stage10	7.15	-9.63	-0.26
Stage10	6.75	-9.91	-0.68
Stage10	6.35	-10.37	-1.15
Stage10	5.95	-10.89	-1.3
Stage10	5.55	-11.41	-1.3
Stage10	5.15	-11.93	-1.31
Stage10	4.75	-9.84	5.24
Stage10	4.35	-7.75	5.23
Stage10	3.95	-5.65	5.23
Stage10	3.55	-3.56	5.23
Stage10	3.15	-1.9	4.17
Stage10	2.75	-1.04	2.15
Stage10	2.35	-0.63	1.01
Stage10	1.95	-0.23	1.01
Stage10	1.55	0.17	1.01
Stage10	1.15	0.57	0.99
Stage10	0.75	0.94	0.93
Stage10	0.35	1.2	0.64
Stage10	-0.05	1.2	0.01
Stage10	-0.45	0.81	-0.97
Stage10	-0.85	0	-2.02
Stage10	-1.25	-1.05	-2.64
Stage10	-1.45	-1.65	-3.01
Stage10	-1.85	-1.36	0.75
Stage10	-2.25	-1.06	0.75
Stage10	-2.65	-0.76	0.75
Stage10	-3.05	-0.46	0.75
Stage10	-3.45	-0.16	0.75
Stage10	-3.85	0.14	0.75
Stage10	-4.25	0.43	0.75
Stage10	-4.65	0.73	0.75
Stage10	-5.05	1.03	0.75
Stage10	-5.45	1.33	0.75
Stage10	-5.85	1.63	0.75
Stage10	-6.25	1.93	0.75
Stage10	-6.65	2.22	0.75
Stage10	-7.05	2.52	0.75
Stage10	-7.45	2.82	0.75

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	-7.85	2.97	0.37
Stage10	-8.25	2.04	-2.31
Stage10	-8.65	-4.37	-16.04
Stage10	-9.05	-4.76	-0.96
Stage10	-9.45	-3.09	4.17
Stage10	-9.85	-1.42	4.17
Stage10	-10.25	-0.39	2.57
Stage10	-10.65	0.05	1.1
Stage10	-11.05	0.14	0.24
Stage10	-11.45	0.1	-0.11
Stage10	-11.85	0.03	-0.16
Stage10	-12.25	-0.01	-0.11
Stage10	-12.65	-0.03	-0.05
Stage10	-13.05	-0.03	-0.01
Stage10	-13.45	-0.03	0.01
Stage10	-13.85	-0.02	0.01
Stage10	-14.25	-0.02	0.01
Stage10	-14.65	-0.01	0.01
Stage10	-15.05	-0.01	0
Stage10	-15.45	-0.01	0
Stage10	-15.85	-0.01	0
Stage10	-16.25	-0.01	0.01
Stage10	-16.65	0	0.01
Stage10	-17.05	0	0.01
Stage10	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage10

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	15.7	0	2.71
Stage10	15.35	0.95	2.71
Stage10	14.95	-12.69	-34.1
Stage10	14.55	-26.2	-33.76
Stage10	14.15	-39.09	-32.24
Stage10	13.75	-50.63	-28.84
Stage10	13.35	-60.06	-23.58
Stage10	12.95	-66.64	-16.46
Stage10	12.55	-69.67	-7.57
Stage10	12.15	-68.47	3
Stage10	11.75	-62.52	14.87
Stage10	11.35	-51.37	27.88
Stage10	10.95	-34.66	41.76
Stage10	10.55	-12.22	56.1
Stage10	10.15	16.24	71.16
Stage10	9.95	32.89	83.25
Stage10	9.55	17.69	-38.01
Stage10	9.15	9.76	-19.81
Stage10	8.75	9.66	-0.24
Stage10	8.35	9.58	-0.22
Stage10	7.95	9.52	-0.13
Stage10	7.55	9.53	0.02
Stage10	7.15	9.63	0.26
Stage10	6.75	9.91	0.68
Stage10	6.35	10.37	1.15
Stage10	5.95	10.89	1.3
Stage10	5.55	11.41	1.3
Stage10	5.15	11.93	1.31
Stage10	4.75	9.84	-5.24
Stage10	4.35	7.75	-5.23
Stage10	3.95	5.65	-5.23
Stage10	3.55	3.56	-5.23
Stage10	3.15	1.9	-4.17
Stage10	2.75	1.04	-2.15
Stage10	2.35	0.63	-1.01
Stage10	1.95	0.23	-1.01
Stage10	1.55	-0.17	-1.01
Stage10	1.15	-0.57	-0.99
Stage10	0.75	-0.94	-0.93
Stage10	0.35	-1.2	-0.64
Stage10	-0.05	-1.2	-0.01
Stage10	-0.45	-0.81	0.97
Stage10	-0.85	0	2.02
Stage10	-1.25	1.05	2.64
Stage10	-1.45	1.65	3.01
Stage10	-1.85	1.36	-0.75
Stage10	-2.25	1.06	-0.75
Stage10	-2.65	0.76	-0.75
Stage10	-3.05	0.46	-0.75
Stage10	-3.45	0.16	-0.75
Stage10	-3.85	-0.14	-0.75
Stage10	-4.25	-0.43	-0.75
Stage10	-4.65	-0.73	-0.75
Stage10	-5.05	-1.03	-0.75
Stage10	-5.45	-1.33	-0.75
Stage10	-5.85	-1.63	-0.75
Stage10	-6.25	-1.93	-0.75
Stage10	-6.65	-2.22	-0.75
Stage10	-7.05	-2.52	-0.75
Stage10	-7.45	-2.82	-0.75

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	-7.85	-2.97	-0.37
Stage10	-8.25	-2.04	2.31
Stage10	-8.65	4.37	16.04
Stage10	-9.05	4.76	0.96
Stage10	-9.45	3.09	-4.17
Stage10	-9.85	1.42	-4.17
Stage10	-10.25	0.39	-2.57
Stage10	-10.65	-0.05	-1.1
Stage10	-11.05	-0.14	-0.24
Stage10	-11.45	-0.1	0.11
Stage10	-11.85	-0.03	0.16
Stage10	-12.25	0.01	0.11
Stage10	-12.65	0.03	0.05
Stage10	-13.05	0.03	0.01
Stage10	-13.45	0.03	-0.01
Stage10	-13.85	0.02	-0.01
Stage10	-14.25	0.02	-0.01
Stage10	-14.65	0.01	-0.01
Stage10	-15.05	0.01	0
Stage10	-15.45	0.01	0
Stage10	-15.85	0.01	0
Stage10	-16.25	0.01	-0.01
Stage10	-16.65	0	-0.01
Stage10	-17.05	0	-0.01
Stage10	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Scavo NORM.

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	15.7	0	-2.71
Scavo NORM.	15.35	-0.95	-2.71
Scavo NORM.	14.95	12.69	34.1
Scavo NORM.	14.55	26.2	33.76
Scavo NORM.	14.15	39.09	32.24
Scavo NORM.	13.75	50.63	28.84
Scavo NORM.	13.35	60.06	23.58
Scavo NORM.	12.95	66.64	16.46
Scavo NORM.	12.55	69.67	7.57
Scavo NORM.	12.15	68.47	-3
Scavo NORM.	11.75	62.52	-14.87
Scavo NORM.	11.35	51.37	-27.88
Scavo NORM.	10.95	34.66	-41.76
Scavo NORM.	10.55	12.22	-56.1
Scavo NORM.	10.15	-16.24	-71.16
Scavo NORM.	9.95	-32.89	-83.25
Scavo NORM.	9.55	-17.69	38.01
Scavo NORM.	9.15	-9.76	19.81
Scavo NORM.	8.75	-9.66	0.24
Scavo NORM.	8.35	-9.58	0.22
Scavo NORM.	7.95	-9.52	0.13
Scavo NORM.	7.55	-9.53	-0.02
Scavo NORM.	7.15	-9.63	-0.26
Scavo NORM.	6.75	-9.91	-0.68
Scavo NORM.	6.35	-10.37	-1.15
Scavo NORM.	5.95	-10.89	-1.3
Scavo NORM.	5.55	-11.41	-1.3
Scavo NORM.	5.15	-11.93	-1.31
Scavo NORM.	4.75	-9.84	5.24
Scavo NORM.	4.35	-7.75	5.23
Scavo NORM.	3.95	-5.65	5.23
Scavo NORM.	3.55	-3.56	5.23
Scavo NORM.	3.15	-1.9	4.17
Scavo NORM.	2.75	-1.04	2.15
Scavo NORM.	2.35	-0.63	1.01
Scavo NORM.	1.95	-0.23	1.01
Scavo NORM.	1.55	0.17	1.01
Scavo NORM.	1.15	0.57	0.99
Scavo NORM.	0.75	0.94	0.93
Scavo NORM.	0.35	1.2	0.64
Scavo NORM.	-0.05	1.2	0
Scavo NORM.	-0.45	0.81	-0.97
Scavo NORM.	-0.85	0	-2.02
Scavo NORM.	-1.25	-1.06	-2.64
Scavo NORM.	-1.45	-1.66	-3.01
Scavo NORM.	-1.85	-1.35	0.77
Scavo NORM.	-2.25	-1.05	0.77
Scavo NORM.	-2.65	-0.75	0.75
Scavo NORM.	-3.05	-0.45	0.73
Scavo NORM.	-3.45	-0.18	0.7
Scavo NORM.	-3.85	0.08	0.64
Scavo NORM.	-4.25	0.32	0.61
Scavo NORM.	-4.65	0.58	0.64
Scavo NORM.	-5.05	0.84	0.64
Scavo NORM.	-5.45	1.09	0.64
Scavo NORM.	-5.85	1.35	0.64
Scavo NORM.	-6.25	1.6	0.64
Scavo NORM.	-6.65	1.86	0.64
Scavo NORM.	-7.05	2.11	0.64
Scavo NORM.	-7.45	2.37	0.64

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	-7.85	2.63	0.64
Scavo NORM.	-8.25	2.88	0.64
Scavo NORM.	-8.65	2.04	-2.11
Scavo NORM.	-9.05	-4.32	-15.89
Scavo NORM.	-9.45	-4.73	-1.04
Scavo NORM.	-9.85	-3.08	4.12
Scavo NORM.	-10.25	-1.43	4.15
Scavo NORM.	-10.65	-0.4	2.57
Scavo NORM.	-11.05	0.04	1.1
Scavo NORM.	-11.45	0.14	0.24
Scavo NORM.	-11.85	0.09	-0.11
Scavo NORM.	-12.25	0.03	-0.16
Scavo NORM.	-12.65	-0.01	-0.11
Scavo NORM.	-13.05	-0.03	-0.05
Scavo NORM.	-13.45	-0.03	0
Scavo NORM.	-13.85	-0.03	0.01
Scavo NORM.	-14.25	-0.02	0.01
Scavo NORM.	-14.65	-0.02	0.01
Scavo NORM.	-15.05	-0.02	0.01
Scavo NORM.	-15.45	-0.01	0.01
Scavo NORM.	-15.85	-0.01	0
Scavo NORM.	-16.25	-0.01	0.01
Scavo NORM.	-16.65	-0.01	0.01
Scavo NORM.	-17.05	0	0.01
Scavo NORM.	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Scavo NORM.

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	15.7	0	2.71
Scavo NORM.	15.35	0.95	2.71
Scavo NORM.	14.95	-12.69	-34.1
Scavo NORM.	14.55	-26.2	-33.76
Scavo NORM.	14.15	-39.09	-32.24
Scavo NORM.	13.75	-50.63	-28.84
Scavo NORM.	13.35	-60.06	-23.58
Scavo NORM.	12.95	-66.64	-16.46
Scavo NORM.	12.55	-69.67	-7.57
Scavo NORM.	12.15	-68.47	3
Scavo NORM.	11.75	-62.52	14.87
Scavo NORM.	11.35	-51.37	27.88
Scavo NORM.	10.95	-34.66	41.76
Scavo NORM.	10.55	-12.22	56.1
Scavo NORM.	10.15	16.24	71.16
Scavo NORM.	9.95	32.89	83.25
Scavo NORM.	9.55	17.69	-38.01
Scavo NORM.	9.15	9.76	-19.81
Scavo NORM.	8.75	9.66	-0.24
Scavo NORM.	8.35	9.58	-0.22
Scavo NORM.	7.95	9.52	-0.13
Scavo NORM.	7.55	9.53	0.02
Scavo NORM.	7.15	9.63	0.26
Scavo NORM.	6.75	9.91	0.68
Scavo NORM.	6.35	10.37	1.15
Scavo NORM.	5.95	10.89	1.3
Scavo NORM.	5.55	11.41	1.3
Scavo NORM.	5.15	11.93	1.31
Scavo NORM.	4.75	9.84	-5.24
Scavo NORM.	4.35	7.75	-5.23
Scavo NORM.	3.95	5.65	-5.23
Scavo NORM.	3.55	3.56	-5.23
Scavo NORM.	3.15	1.9	-4.17
Scavo NORM.	2.75	1.04	-2.15
Scavo NORM.	2.35	0.63	-1.01
Scavo NORM.	1.95	0.23	-1.01
Scavo NORM.	1.55	-0.17	-1.01
Scavo NORM.	1.15	-0.57	-0.99
Scavo NORM.	0.75	-0.94	-0.93
Scavo NORM.	0.35	-1.2	-0.64
Scavo NORM.	-0.05	-1.2	0
Scavo NORM.	-0.45	-0.81	0.97
Scavo NORM.	-0.85	0	2.02
Scavo NORM.	-1.25	1.06	2.64
Scavo NORM.	-1.45	1.66	3.01
Scavo NORM.	-1.85	1.35	-0.77
Scavo NORM.	-2.25	1.05	-0.77
Scavo NORM.	-2.65	0.75	-0.75
Scavo NORM.	-3.05	0.45	-0.73
Scavo NORM.	-3.45	0.18	-0.7
Scavo NORM.	-3.85	-0.08	-0.64
Scavo NORM.	-4.25	-0.32	-0.61
Scavo NORM.	-4.65	-0.58	-0.64
Scavo NORM.	-5.05	-0.84	-0.64
Scavo NORM.	-5.45	-1.09	-0.64
Scavo NORM.	-5.85	-1.35	-0.64
Scavo NORM.	-6.25	-1.6	-0.64
Scavo NORM.	-6.65	-1.86	-0.64
Scavo NORM.	-7.05	-2.11	-0.64
Scavo NORM.	-7.45	-2.37	-0.64

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

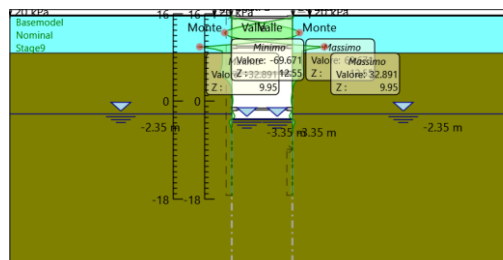
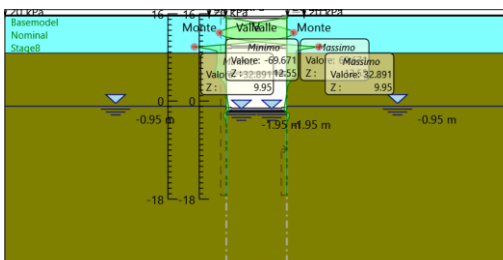
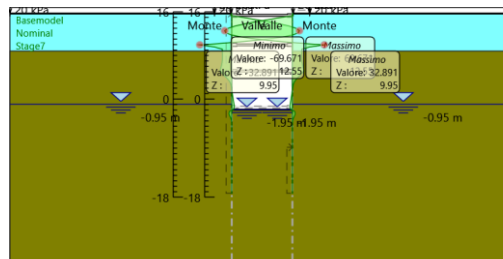
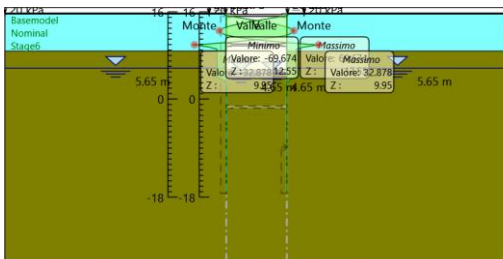
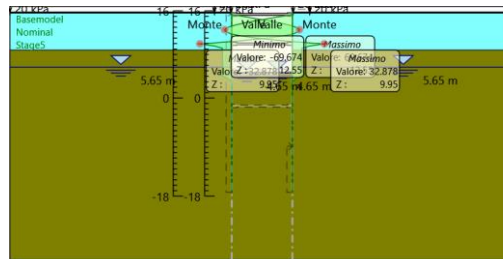
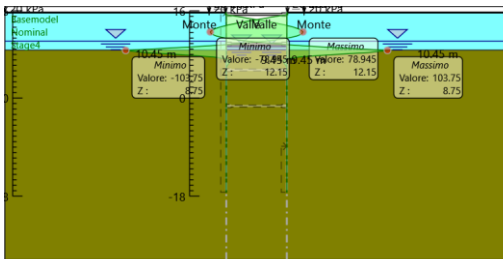
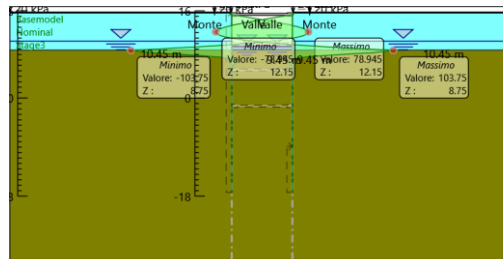
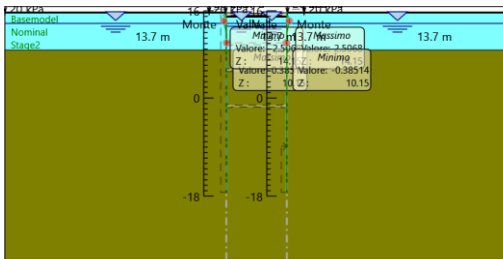
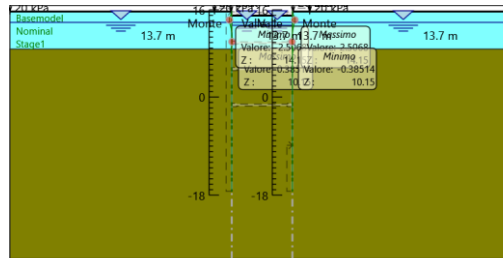
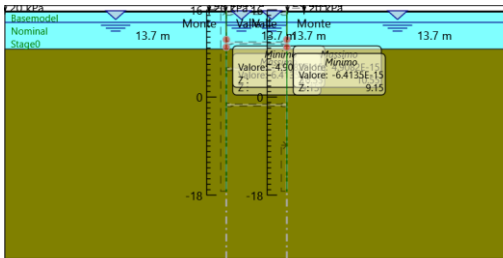
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	-7.85	-2.63	-0.64
Scavo NORM.	-8.25	-2.88	-0.64
Scavo NORM.	-8.65	-2.04	2.11
Scavo NORM.	-9.05	4.32	15.89
Scavo NORM.	-9.45	4.73	1.04
Scavo NORM.	-9.85	3.08	-4.12
Scavo NORM.	-10.25	1.43	-4.15
Scavo NORM.	-10.65	0.4	-2.57
Scavo NORM.	-11.05	-0.04	-1.1
Scavo NORM.	-11.45	-0.14	-0.24
Scavo NORM.	-11.85	-0.09	0.11
Scavo NORM.	-12.25	-0.03	0.16
Scavo NORM.	-12.65	0.01	0.11
Scavo NORM.	-13.05	0.03	0.05
Scavo NORM.	-13.45	0.03	0
Scavo NORM.	-13.85	0.03	-0.01
Scavo NORM.	-14.25	0.02	-0.01
Scavo NORM.	-14.65	0.02	-0.01
Scavo NORM.	-15.05	0.02	-0.01
Scavo NORM.	-15.45	0.01	-0.01
Scavo NORM.	-15.85	0.01	0
Scavo NORM.	-16.25	0.01	-0.01
Scavo NORM.	-16.65	0.01	-0.01
Scavo NORM.	-17.05	0	-0.01
Scavo NORM.	-17.3	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

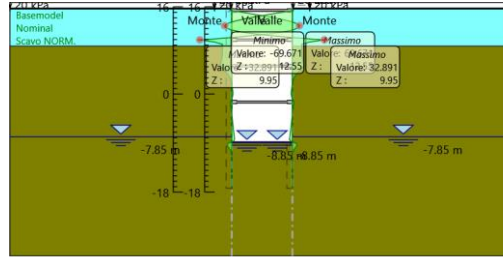
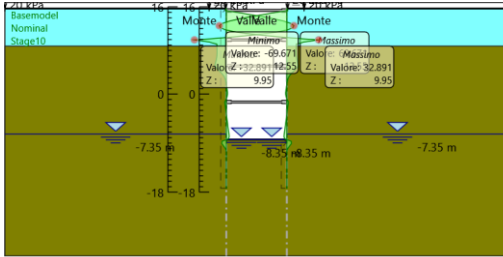
Grafico Momento Nominal



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

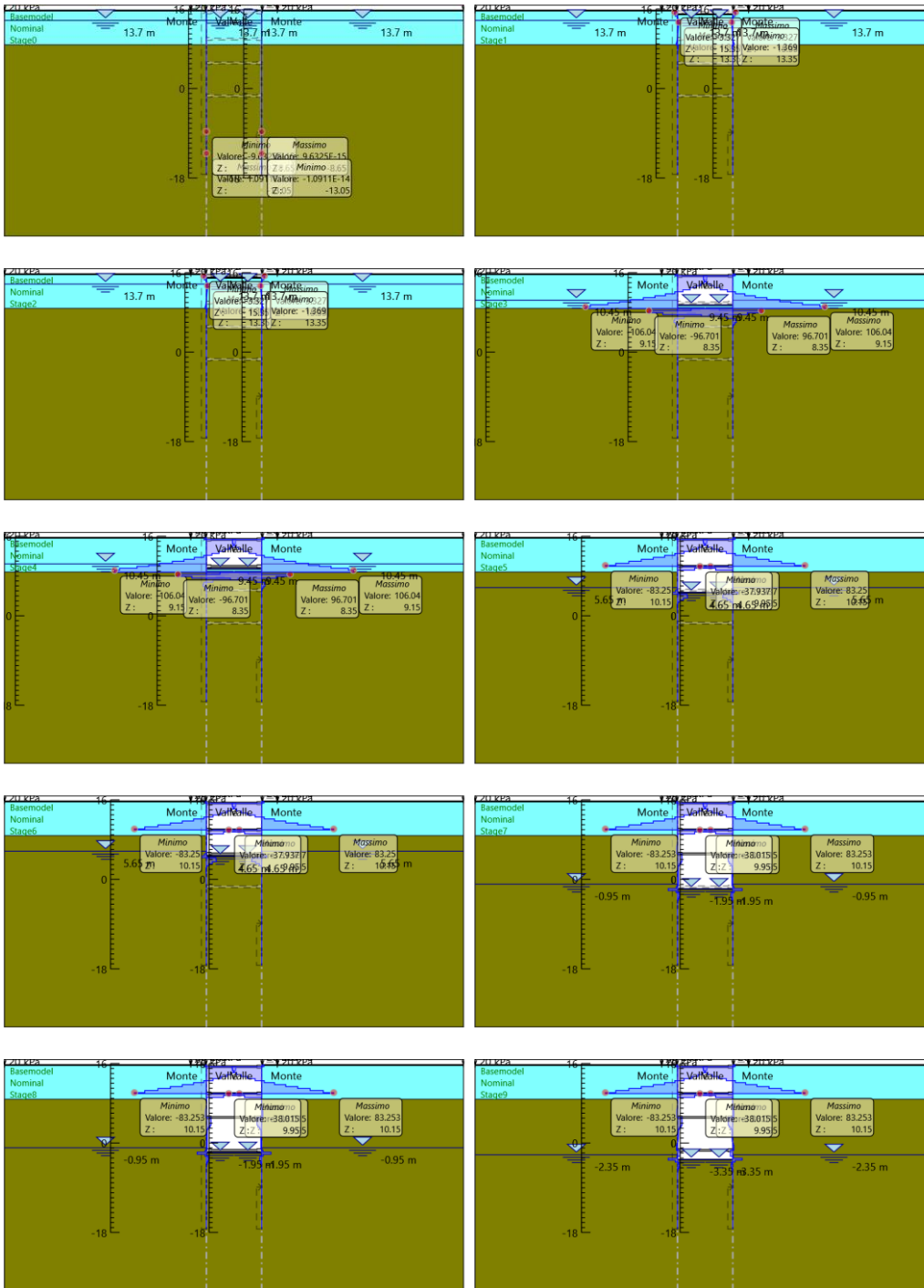


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

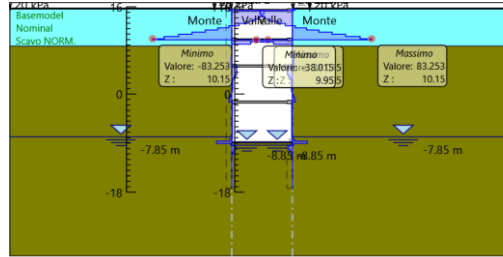
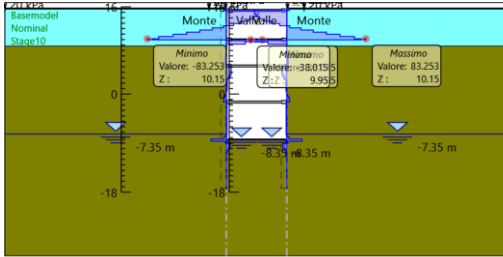
Grafico Taglio Nominal



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1



PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Risultati Terreno

Tabella Risultati Terreno Paratia - Nominal - Stage0

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Coazione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C	0.433 2.529	11.2	0	0	0	0
Stage0	15.35	17.456	16.917	V-C	0.433 2.529	11.2	0	0	0	16.917
Stage0	14.95	29.031	21.815	V-C	0.433 2.529	11.2	0	0	0	21.815
Stage0	14.55	38.71	26.606	V-C	0.433 2.529	11.2	0	0	0	26.606
Stage0	14.15	47.458	31.447	V-C	0.433 2.529	11.2	0	0	0	31.447
Stage0	13.75	56.076	36.35	V-C	0.433 2.529	11.2	0	0	0	36.35
Stage0	13.35	61.312	38.986	V-C	0.433 2.529	11.2	3.5	0	0	42.486
Stage0	12.95	65.834	41.34	V-C	0.433 2.529	11.2	7.5	0	0	48.84
Stage0	12.55	70.214	43.733	V-C	0.433 2.529	11.2	11.5	0	0	55.233
Stage0	12.15	73.236	46.158	V-C	0.433 2.529	11.2	15.5	0	0	61.658
Stage0	11.75	76.655	48.606	V-C	0.433 2.529	11.2	19.5	0	0	68.106
Stage0	11.35	80.34	51.074	V-C	0.433 2.529	11.2	23.5	0	0	74.574
Stage0	10.95	84.071	53.556	V-C	0.433 2.529	11.2	27.5	0	0	81.056
Stage0	10.55	87.838	56.048	V-C	0.433 2.529	11.2	31.5	0	0	87.548
Stage0	10.15	91.634	58.55	V-C	0.433 2.529	11.2	35.5	0	0	94.05
Stage0	9.95	93.851	59.803	V-C	0.433 2.529	11.2	37.5	0	0	97.303
Stage0	9.55	97.664	62.315	V-C	0.433 2.529	11.2	41.5	0	0	103.815
Stage0	9.15	101.496	64.831	V-C	0.433 2.529	11.2	45.5	0	0	110.331
Stage0	8.75	105.646	38.096	V-C	0.165 10.98	275.2	49.5	0	0	87.596
Stage0	8.35	111.911	40.114	V-C	0.165 10.98	275.2	53.5	0	0	93.614
Stage0	7.95	118.188	42.136	V-C	0.165 10.98	275.2	57.5	0	0	99.636
Stage0	7.55	124.476	44.16	V-C	0.165 10.98	275.2	61.5	0	0	105.66
Stage0	7.15	130.774	46.186	V-C	0.165 10.98	275.2	65.5	0	0	111.686
Stage0	6.75	137.08	48.214	V-C	0.165 10.98	275.2	69.5	0	0	117.714
Stage0	6.35	143.393	50.244	V-C	0.165 10.98	275.2	73.5	0	0	123.744
Stage0	5.95	149.713	52.276	V-C	0.165 10.98	275.2	77.5	0	0	129.776
Stage0	5.55	156.396	54.309	V-C	0.165 10.98	275.2	81.5	0	0	135.809
Stage0	5.15	162.715	56.345	V-C	0.165 10.98	275.2	85.5	0	0	141.845
Stage0	4.75	169.038	58.381	V-C	0.165 10.98	275.2	89.5	0	0	147.881
Stage0	4.35	175.367	60.419	V-C	0.165 10.98	275.2	93.5	0	0	153.92
Stage0	3.95	181.7	62.459	V-C	0.165 10.98	275.2	97.5	0	0	159.959
Stage0	3.55	188.038	64.5	V-C	0.165 10.98	275.2	101.5	0	0	166
Stage0	3.15	194.379	66.543	V-C	0.165 10.98	275.2	105.5	0	0	172.043
Stage0	2.75	200.724	68.587	V-C	0.165 10.98	275.2	109.5	0	0	178.087
Stage0	2.35	207.072	70.632	V-C	0.165 10.98	275.2	113.5	0	0	184.132
Stage0	1.95	213.422	72.679	V-C	0.165 10.98	275.2	117.5	0	0	190.179
Stage0	1.55	219.775	74.727	V-C	0.165 10.98	275.2	121.5	0	0	196.227
Stage0	1.15	226.131	76.776	V-C	0.165 10.98	275.2	125.5	0	0	202.276
Stage0	0.75	232.733	78.827	V-C	0.165 10.98	275.2	129.5	0	0	208.327
Stage0	0.35	239.087	80.879	V-C	0.165 10.98	275.2	133.5	0	0	214.379
Stage0	-0.05	245.443	82.933	V-C	0.165 10.98	275.2	137.5	0	0	220.433
Stage0	-0.45	251.801	84.988	V-C	0.165 10.98	275.2	141.5	0	0	226.488
Stage0	-0.85	258.161	87.044	V-C	0.165 10.98	275.2	145.5	0	0	232.544
Stage0	-1.25	264.523	89.102	V-C	0.165 10.98	275.2	149.5	0	0	238.602
Stage0	-1.45	267.811	90.131	V-C	0.165 10.98	275.2	151.5	0	0	241.631
Stage0	-1.85	274.173	92.191	V-C	0.165 10.98	275.2	155.5	0	0	247.691
Stage0	-2.25	280.537	94.252	V-C	0.165 10.98	275.2	159.5	0	0	253.752
Stage0	-2.65	286.902	96.314	V-C	0.165 10.98	275.2	163.5	0	0	259.814
Stage0	-3.05	293.269	98.378	V-C	0.165 10.98	275.2	167.5	0	0	265.878
Stage0	-3.45	299.637	100.443	V-C	0.165 10.98	275.2	171.5	0	0	271.943
Stage0	-3.85	306.006	102.51	V-C	0.165 10.98	275.2	175.5	0	0	278.01
Stage0	-4.25	312.376	104.578	V-C	0.165 10.98	275.2	179.5	0	0	284.078
Stage0	-4.65	318.748	106.647	V-C	0.165 10.98	275.2	183.5	0	0	290.147
Stage0	-5.05	325.12	108.717	V-C	0.165 10.98	275.2	187.5	0	0	296.217
Stage0	-5.45	331.494	110.789	V-C	0.165 10.98	275.2	191.5	0	0	302.289
Stage0	-5.85	337.869	112.862	V-C	0.165 10.98	275.2	195.5	0	0	308.362
Stage0	-6.25	344.411	114.936	V-C	0.165 10.98	275.2	199.5	0	0	314.436

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	-6.65	350.784	117.012	V-C	0.165	10.98	275.2	203.5	0	0	320.512	
Stage0	-7.05	357.158	119.089	V-C	0.165	10.98	275.2	207.5	0	0	326.589	
Stage0	-7.45	363.534	121.167	V-C	0.165	10.98	275.2	211.5	0	0	332.667	
Stage0	-7.85	369.91	123.246	V-C	0.165	10.98	275.2	215.5	0	0	338.746	
Stage0	-8.25	376.286	125.327	V-C	0.165	10.98	275.2	219.5	0	0	344.827	
Stage0	-8.65	382.664	127.409	V-C	0.165	10.98	275.2	223.5	0	0	350.909	
Stage0	-9.05	389.042	129.492	V-C	0.165	10.98	275.2	227.5	0	0	356.992	
Stage0	-9.45	395.421	131.576	V-C	0.165	10.98	275.2	231.5	0	0	363.076	
Stage0	-9.85	401.801	133.662	V-C	0.165	10.98	275.2	235.5	0	0	369.162	
Stage0	-10.25	408.181	135.749	V-C	0.165	10.98	275.2	239.5	0	0	375.248	
Stage0	-10.65	414.561	137.836	V-C	0.165	10.98	275.2	243.5	0	0	381.336	
Stage0	-11.05	421.08	139.925	V-C	0.165	10.98	275.2	247.5	0	0	387.425	
Stage0	-11.45	427.46	142.015	V-C	0.165	10.98	275.2	251.5	0	0	393.515	
Stage0	-11.85	433.84	144.107	V-C	0.165	10.98	275.2	255.5	0	0	399.607	
Stage0	-12.25	440.221	146.199	V-C	0.165	10.98	275.2	259.5	0	0	405.699	
Stage0	-12.65	446.602	148.292	V-C	0.165	10.98	275.2	263.5	0	0	411.792	
Stage0	-13.05	452.984	150.387	V-C	0.165	10.98	275.2	267.5	0	0	417.887	
Stage0	-13.45	459.367	152.482	V-C	0.165	10.98	275.2	271.5	0	0	423.982	
Stage0	-13.85	465.75	154.579	V-C	0.165	10.98	275.2	275.5	0	0	430.079	
Stage0	-14.25	472.133	156.676	V-C	0.165	10.98	275.2	279.5	0	0	436.176	
Stage0	-14.65	478.517	158.775	V-C	0.165	10.98	275.2	283.5	0	0	442.275	
Stage0	-15.05	484.901	160.874	V-C	0.165	10.98	275.2	287.5	0	0	448.374	
Stage0	-15.45	491.404	162.975	V-C	0.165	10.98	275.2	291.5	0	0	454.475	
Stage0	-15.85	497.787	165.076	V-C	0.165	10.98	275.2	295.5	0	0	460.576	
Stage0	-16.25	504.171	167.179	V-C	0.165	10.98	275.2	299.5	0	0	466.679	
Stage0	-16.65	510.555	169.282	V-C	0.165	10.98	275.2	303.5	0	0	472.782	
Stage0	-17.05	516.94	171.386	V-C	0.165	10.98	275.2	307.5	0	0	478.886	
Stage0	-17.3	520.972	172.702	V-C	0.165	10.98	275.2	310	0	0	482.702	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT			
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0
Stage0	15.35	7	16.917	V-C	0.433	2.529	11.2	0	0	16.917
Stage0	14.95	15	21.815	V-C	0.433	2.529	11.2	0	0	21.815
Stage0	14.55	23	26.606	V-C	0.433	2.529	11.2	0	0	26.606
Stage0	14.15	31	31.447	V-C	0.433	2.529	11.2	0	0	31.447
Stage0	13.75	39	36.35	V-C	0.433	2.529	11.2	0	0	36.35
Stage0	13.35	43.5	38.986	V-C	0.433	2.529	11.2	3.5	0	42.486
Stage0	12.95	47.5	41.34	V-C	0.433	2.529	11.2	7.5	0	48.84
Stage0	12.55	51.5	43.733	V-C	0.433	2.529	11.2	11.5	0	55.233
Stage0	12.15	55.5	46.158	V-C	0.433	2.529	11.2	15.5	0	61.658
Stage0	11.75	59.5	48.606	V-C	0.433	2.529	11.2	19.5	0	68.106
Stage0	11.35	63.5	51.074	V-C	0.433	2.529	11.2	23.5	0	74.574
Stage0	10.95	67.5	53.556	V-C	0.433	2.529	11.2	27.5	0	81.056
Stage0	10.55	71.5	56.048	V-C	0.433	2.529	11.2	31.5	0	87.548
Stage0	10.15	75.5	58.55	V-C	0.433	2.529	11.2	35.5	0	94.05
Stage0	9.95	77.5	59.803	V-C	0.433	2.529	11.2	37.5	0	97.303
Stage0	9.55	81.5	62.315	V-C	0.433	2.529	11.2	41.5	0	103.815
Stage0	9.15	85.5	64.831	V-C	0.433	2.529	11.2	45.5	0	110.331
Stage0	8.75	89.8	38.096	V-C	0.165	10.98	275.2	49.5	0	87.596
Stage0	8.35	96.2	40.114	V-C	0.165	10.98	275.2	53.5	0	93.614
Stage0	7.95	102.6	42.136	V-C	0.165	10.98	275.2	57.5	0	99.636
Stage0	7.55	109	44.16	V-C	0.165	10.98	275.2	61.5	0	105.66
Stage0	7.15	115.4	46.186	V-C	0.165	10.98	275.2	65.5	0	111.686
Stage0	6.75	121.8	48.214	V-C	0.165	10.98	275.2	69.5	0	117.714
Stage0	6.35	128.2	50.244	V-C	0.165	10.98	275.2	73.5	0	123.744
Stage0	5.95	134.6	52.276	V-C	0.165	10.98	275.2	77.5	0	129.776
Stage0	5.55	141	54.309	V-C	0.165	10.98	275.2	81.5	0	135.809
Stage0	5.15	147.4	56.345	V-C	0.165	10.98	275.2	85.5	0	141.845
Stage0	4.75	153.8	58.381	V-C	0.165	10.98	275.2	89.5	0	147.881
Stage0	4.35	160.2	60.419	V-C	0.165	10.98	275.2	93.5	0	153.92
Stage0	3.95	166.6	62.459	V-C	0.165	10.98	275.2	97.5	0	159.959
Stage0	3.55	173	64.5	V-C	0.165	10.98	275.2	101.5	0	166
Stage0	3.15	179.4	66.543	V-C	0.165	10.98	275.2	105.5	0	172.043
Stage0	2.75	185.8	68.587	V-C	0.165	10.98	275.2	109.5	0	178.087
Stage0	2.35	192.2	70.632	V-C	0.165	10.98	275.2	113.5	0	184.132
Stage0	1.95	198.6	72.679	V-C	0.165	10.98	275.2	117.5	0	190.179
Stage0	1.55	205	74.727	V-C	0.165	10.98	275.2	121.5	0	196.227
Stage0	1.15	211.4	76.776	V-C	0.165	10.98	275.2	125.5	0	202.276
Stage0	0.75	217.8	78.827	V-C	0.165	10.98	275.2	129.5	0	208.327
Stage0	0.35	224.2	80.879	V-C	0.165	10.98	275.2	133.5	0	214.379
Stage0	-0.05	230.6	82.933	V-C	0.165	10.98	275.2	137.5	0	220.433
Stage0	-0.45	237	84.988	V-C	0.165	10.98	275.2	141.5	0	226.488
Stage0	-0.85	243.4	87.044	V-C	0.165	10.98	275.2	145.5	0	232.544
Stage0	-1.25	249.8	89.102	V-C	0.165	10.98	275.2	149.5	0	238.602
Stage0	-1.45	253	90.131	V-C	0.165	10.98	275.2	151.5	0	241.631
Stage0	-1.85	259.4	92.191	V-C	0.165	10.98	275.2	155.5	0	247.691
Stage0	-2.25	265.8	94.252	V-C	0.165	10.98	275.2	159.5	0	253.752
Stage0	-2.65	272.2	96.314	V-C	0.165	10.98	275.2	163.5	0	259.814
Stage0	-3.05	278.6	98.378	V-C	0.165	10.98	275.2	167.5	0	265.878
Stage0	-3.45	285	100.443	V-C	0.165	10.98	275.2	171.5	0	271.943
Stage0	-3.85	291.4	102.51	V-C	0.165	10.98	275.2	175.5	0	278.01
Stage0	-4.25	297.8	104.578	V-C	0.165	10.98	275.2	179.5	0	284.078
Stage0	-4.65	304.2	106.647	V-C	0.165	10.98	275.2	183.5	0	290.147
Stage0	-5.05	310.6	108.717	V-C	0.165	10.98	275.2	187.5	0	296.217
Stage0	-5.45	317	110.789	V-C	0.165	10.98	275.2	191.5	0	302.289
Stage0	-5.85	323.4	112.862	V-C	0.165	10.98	275.2	195.5	0	308.362
Stage0	-6.25	329.8	114.936	V-C	0.165	10.98	275.2	199.5	0	314.436
Stage0	-6.65	336.2	117.012	V-C	0.165	10.98	275.2	203.5	0	320.512
Stage0	-7.05	342.6	119.089	V-C	0.165	10.98	275.2	207.5	0	326.589
Stage0	-7.45	349	121.167	V-C	0.165	10.98	275.2	211.5	0	332.667
Stage0	-7.85	355.4	123.246	V-C	0.165	10.98	275.2	215.5	0	338.746
Stage0	-8.25	361.8	125.327	V-C	0.165	10.98	275.2	219.5	0	344.827
Stage0	-8.65	368.2	127.409	V-C	0.165	10.98	275.2	223.5	0	350.909

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		RIGHT				
			LEFT	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	-9.05	374.6	129.492	V-C	0.165	10.98	275.2	227.5	0	0	356.992
Stage0	-9.45	381	131.576	V-C	0.165	10.98	275.2	231.5	0	0	363.076
Stage0	-9.85	387.4	133.662	V-C	0.165	10.98	275.2	235.5	0	0	369.162
Stage0	-10.25	393.8	135.749	V-C	0.165	10.98	275.2	239.5	0	0	375.248
Stage0	-10.65	400.2	137.836	V-C	0.165	10.98	275.2	243.5	0	0	381.336
Stage0	-11.05	406.6	139.925	V-C	0.165	10.98	275.2	247.5	0	0	387.425
Stage0	-11.45	413	142.015	V-C	0.165	10.98	275.2	251.5	0	0	393.515
Stage0	-11.85	419.4	144.107	V-C	0.165	10.98	275.2	255.5	0	0	399.607
Stage0	-12.25	425.8	146.199	V-C	0.165	10.98	275.2	259.5	0	0	405.699
Stage0	-12.65	432.2	148.292	V-C	0.165	10.98	275.2	263.5	0	0	411.792
Stage0	-13.05	438.6	150.387	V-C	0.165	10.98	275.2	267.5	0	0	417.887
Stage0	-13.45	445	152.482	V-C	0.165	10.98	275.2	271.5	0	0	423.982
Stage0	-13.85	451.4	154.579	V-C	0.165	10.98	275.2	275.5	0	0	430.079
Stage0	-14.25	457.8	156.676	V-C	0.165	10.98	275.2	279.5	0	0	436.176
Stage0	-14.65	464.2	158.775	V-C	0.165	10.98	275.2	283.5	0	0	442.275
Stage0	-15.05	470.6	160.874	V-C	0.165	10.98	275.2	287.5	0	0	448.374
Stage0	-15.45	477	162.975	V-C	0.165	10.98	275.2	291.5	0	0	454.475
Stage0	-15.85	483.4	165.076	V-C	0.165	10.98	275.2	295.5	0	0	460.576
Stage0	-16.25	489.8	167.179	V-C	0.165	10.98	275.2	299.5	0	0	466.679
Stage0	-16.65	496.2	169.282	V-C	0.165	10.98	275.2	303.5	0	0	472.782
Stage0	-17.05	502.6	171.386	V-C	0.165	10.98	275.2	307.5	0	0	478.886
Stage0	-17.3	506.6	172.702	V-C	0.165	10.98	275.2	310	0	0	482.702

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage0

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0	0
Stage0	15.35	7	16.917	V-C	0.433	2.529	11.2	0	0	0	16.917
Stage0	14.95	15	21.815	V-C	0.433	2.529	11.2	0	0	0	21.815
Stage0	14.55	23	26.606	V-C	0.433	2.529	11.2	0	0	0	26.606
Stage0	14.15	31	31.447	V-C	0.433	2.529	11.2	0	0	0	31.447
Stage0	13.75	39	36.35	V-C	0.433	2.529	11.2	0	0	0	36.35
Stage0	13.35	43.5	38.986	V-C	0.433	2.529	11.2	3.5	0	0	42.486
Stage0	12.95	47.5	41.34	V-C	0.433	2.529	11.2	7.5	0	0	48.84
Stage0	12.55	51.5	43.733	V-C	0.433	2.529	11.2	11.5	0	0	55.233
Stage0	12.15	55.5	46.158	V-C	0.433	2.529	11.2	15.5	0	0	61.658
Stage0	11.75	59.5	48.606	V-C	0.433	2.529	11.2	19.5	0	0	68.106
Stage0	11.35	63.5	51.074	V-C	0.433	2.529	11.2	23.5	0	0	74.574
Stage0	10.95	67.5	53.556	V-C	0.433	2.529	11.2	27.5	0	0	81.056
Stage0	10.55	71.5	56.048	V-C	0.433	2.529	11.2	31.5	0	0	87.548
Stage0	10.15	75.5	58.55	V-C	0.433	2.529	11.2	35.5	0	0	94.05
Stage0	9.95	77.5	59.803	V-C	0.433	2.529	11.2	37.5	0	0	97.303
Stage0	9.55	81.5	62.315	V-C	0.433	2.529	11.2	41.5	0	0	103.815
Stage0	9.15	85.5	64.831	V-C	0.433	2.529	11.2	45.5	0	0	110.331
Stage0	8.75	89.8	38.096	V-C	0.165	10.98	275.2	49.5	0	0	87.596
Stage0	8.35	96.2	40.114	V-C	0.165	10.98	275.2	53.5	0	0	93.614
Stage0	7.95	102.6	42.136	V-C	0.165	10.98	275.2	57.5	0	0	99.636
Stage0	7.55	109	44.16	V-C	0.165	10.98	275.2	61.5	0	0	105.66
Stage0	7.15	115.4	46.186	V-C	0.165	10.98	275.2	65.5	0	0	111.686
Stage0	6.75	121.8	48.214	V-C	0.165	10.98	275.2	69.5	0	0	117.714
Stage0	6.35	128.2	50.244	V-C	0.165	10.98	275.2	73.5	0	0	123.744
Stage0	5.95	134.6	52.276	V-C	0.165	10.98	275.2	77.5	0	0	129.776
Stage0	5.55	141	54.309	V-C	0.165	10.98	275.2	81.5	0	0	135.809
Stage0	5.15	147.4	56.345	V-C	0.165	10.98	275.2	85.5	0	0	141.845
Stage0	4.75	153.8	58.381	V-C	0.165	10.98	275.2	89.5	0	0	147.881
Stage0	4.35	160.2	60.419	V-C	0.165	10.98	275.2	93.5	0	0	153.92
Stage0	3.95	166.6	62.459	V-C	0.165	10.98	275.2	97.5	0	0	159.959
Stage0	3.55	173	64.5	V-C	0.165	10.98	275.2	101.5	0	0	166
Stage0	3.15	179.4	66.543	V-C	0.165	10.98	275.2	105.5	0	0	172.043
Stage0	2.75	185.8	68.587	V-C	0.165	10.98	275.2	109.5	0	0	178.087
Stage0	2.35	192.2	70.632	V-C	0.165	10.98	275.2	113.5	0	0	184.132
Stage0	1.95	198.6	72.679	V-C	0.165	10.98	275.2	117.5	0	0	190.179
Stage0	1.55	205	74.727	V-C	0.165	10.98	275.2	121.5	0	0	196.227
Stage0	1.15	211.4	76.776	V-C	0.165	10.98	275.2	125.5	0	0	202.276
Stage0	0.75	217.8	78.827	V-C	0.165	10.98	275.2	129.5	0	0	208.327
Stage0	0.35	224.2	80.879	V-C	0.165	10.98	275.2	133.5	0	0	214.379
Stage0	-0.05	230.6	82.933	V-C	0.165	10.98	275.2	137.5	0	0	220.433
Stage0	-0.45	237	84.988	V-C	0.165	10.98	275.2	141.5	0	0	226.488
Stage0	-0.85	243.4	87.044	V-C	0.165	10.98	275.2	145.5	0	0	232.544
Stage0	-1.25	249.8	89.102	V-C	0.165	10.98	275.2	149.5	0	0	238.602
Stage0	-1.45	253	90.131	V-C	0.165	10.98	275.2	151.5	0	0	241.631
Stage0	-1.85	259.4	92.191	V-C	0.165	10.98	275.2	155.5	0	0	247.691
Stage0	-2.25	265.8	94.252	V-C	0.165	10.98	275.2	159.5	0	0	253.752
Stage0	-2.65	272.2	96.314	V-C	0.165	10.98	275.2	163.5	0	0	259.814
Stage0	-3.05	278.6	98.378	V-C	0.165	10.98	275.2	167.5	0	0	265.878
Stage0	-3.45	285	100.443	V-C	0.165	10.98	275.2	171.5	0	0	271.943
Stage0	-3.85	291.4	102.51	V-C	0.165	10.98	275.2	175.5	0	0	278.01
Stage0	-4.25	297.8	104.578	V-C	0.165	10.98	275.2	179.5	0	0	284.078
Stage0	-4.65	304.2	106.647	V-C	0.165	10.98	275.2	183.5	0	0	290.147
Stage0	-5.05	310.6	108.717	V-C	0.165	10.98	275.2	187.5	0	0	296.217
Stage0	-5.45	317	110.789	V-C	0.165	10.98	275.2	191.5	0	0	302.289
Stage0	-5.85	323.4	112.862	V-C	0.165	10.98	275.2	195.5	0	0	308.362
Stage0	-6.25	329.8	114.936	V-C	0.165	10.98	275.2	199.5	0	0	314.436
Stage0	-6.65	336.2	117.012	V-C	0.165	10.98	275.2	203.5	0	0	320.512
Stage0	-7.05	342.6	119.089	V-C	0.165	10.98	275.2	207.5	0	0	326.589
Stage0	-7.45	349	121.167	V-C	0.165	10.98	275.2	211.5	0	0	332.667

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	-7.85	355.4	123.246	V-C	0.165	10.98	275.2	215.5	0	0	338.746
Stage0	-8.25	361.8	125.327	V-C	0.165	10.98	275.2	219.5	0	0	344.827
Stage0	-8.65	368.2	127.409	V-C	0.165	10.98	275.2	223.5	0	0	350.909
Stage0	-9.05	374.6	129.492	V-C	0.165	10.98	275.2	227.5	0	0	356.992
Stage0	-9.45	381	131.576	V-C	0.165	10.98	275.2	231.5	0	0	363.076
Stage0	-9.85	387.4	133.662	V-C	0.165	10.98	275.2	235.5	0	0	369.162
Stage0	-10.25	393.8	135.749	V-C	0.165	10.98	275.2	239.5	0	0	375.248
Stage0	-10.65	400.2	137.836	V-C	0.165	10.98	275.2	243.5	0	0	381.336
Stage0	-11.05	406.6	139.925	V-C	0.165	10.98	275.2	247.5	0	0	387.425
Stage0	-11.45	413	142.015	V-C	0.165	10.98	275.2	251.5	0	0	393.515
Stage0	-11.85	419.4	144.107	V-C	0.165	10.98	275.2	255.5	0	0	399.607
Stage0	-12.25	425.8	146.199	V-C	0.165	10.98	275.2	259.5	0	0	405.699
Stage0	-12.65	432.2	148.292	V-C	0.165	10.98	275.2	263.5	0	0	411.792
Stage0	-13.05	438.6	150.387	V-C	0.165	10.98	275.2	267.5	0	0	417.887
Stage0	-13.45	445	152.482	V-C	0.165	10.98	275.2	271.5	0	0	423.982
Stage0	-13.85	451.4	154.579	V-C	0.165	10.98	275.2	275.5	0	0	430.079
Stage0	-14.25	457.8	156.676	V-C	0.165	10.98	275.2	279.5	0	0	436.176
Stage0	-14.65	464.2	158.775	V-C	0.165	10.98	275.2	283.5	0	0	442.275
Stage0	-15.05	470.6	160.874	V-C	0.165	10.98	275.2	287.5	0	0	448.374
Stage0	-15.45	477	162.975	V-C	0.165	10.98	275.2	291.5	0	0	454.475
Stage0	-15.85	483.4	165.076	V-C	0.165	10.98	275.2	295.5	0	0	460.576
Stage0	-16.25	489.8	167.179	V-C	0.165	10.98	275.2	299.5	0	0	466.679
Stage0	-16.65	496.2	169.282	V-C	0.165	10.98	275.2	303.5	0	0	472.782
Stage0	-17.05	502.6	171.386	V-C	0.165	10.98	275.2	307.5	0	0	478.886
Stage0	-17.3	506.6	172.702	V-C	0.165	10.98	275.2	310	0	0	482.702

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro: RIGHT	Lato RIGHT						
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0
Stage0	15.35	17.456	16.917	V-C	0.433	2.529	11.2	0	0	16.917
Stage0	14.95	29.031	21.815	V-C	0.433	2.529	11.2	0	0	21.815
Stage0	14.55	38.71	26.606	V-C	0.433	2.529	11.2	0	0	26.606
Stage0	14.15	47.458	31.447	V-C	0.433	2.529	11.2	0	0	31.447
Stage0	13.75	56.076	36.35	V-C	0.433	2.529	11.2	0	0	36.35
Stage0	13.35	61.312	38.986	V-C	0.433	2.529	11.2	3.5	0	42.486
Stage0	12.95	65.834	41.34	V-C	0.433	2.529	11.2	7.5	0	48.84
Stage0	12.55	70.214	43.733	V-C	0.433	2.529	11.2	11.5	0	55.233
Stage0	12.15	73.236	46.158	V-C	0.433	2.529	11.2	15.5	0	61.658
Stage0	11.75	76.655	48.606	V-C	0.433	2.529	11.2	19.5	0	68.106
Stage0	11.35	80.34	51.074	V-C	0.433	2.529	11.2	23.5	0	74.574
Stage0	10.95	84.071	53.556	V-C	0.433	2.529	11.2	27.5	0	81.056
Stage0	10.55	87.838	56.048	V-C	0.433	2.529	11.2	31.5	0	87.548
Stage0	10.15	91.634	58.55	V-C	0.433	2.529	11.2	35.5	0	94.05
Stage0	9.95	93.851	59.803	V-C	0.433	2.529	11.2	37.5	0	97.303
Stage0	9.55	97.664	62.315	V-C	0.433	2.529	11.2	41.5	0	103.815
Stage0	9.15	101.496	64.831	V-C	0.433	2.529	11.2	45.5	0	110.331
Stage0	8.75	105.646	38.096	V-C	0.165	10.98	275.2	49.5	0	87.596
Stage0	8.35	111.911	40.114	V-C	0.165	10.98	275.2	53.5	0	93.614
Stage0	7.95	118.188	42.136	V-C	0.165	10.98	275.2	57.5	0	99.636
Stage0	7.55	124.476	44.16	V-C	0.165	10.98	275.2	61.5	0	105.66
Stage0	7.15	130.774	46.186	V-C	0.165	10.98	275.2	65.5	0	111.686
Stage0	6.75	137.08	48.214	V-C	0.165	10.98	275.2	69.5	0	117.714
Stage0	6.35	143.393	50.244	V-C	0.165	10.98	275.2	73.5	0	123.744
Stage0	5.95	149.713	52.276	V-C	0.165	10.98	275.2	77.5	0	129.776
Stage0	5.55	156.396	54.309	V-C	0.165	10.98	275.2	81.5	0	135.809
Stage0	5.15	162.715	56.345	V-C	0.165	10.98	275.2	85.5	0	141.845
Stage0	4.75	169.038	58.381	V-C	0.165	10.98	275.2	89.5	0	147.881
Stage0	4.35	175.367	60.419	V-C	0.165	10.98	275.2	93.5	0	153.92
Stage0	3.95	181.7	62.459	V-C	0.165	10.98	275.2	97.5	0	159.959
Stage0	3.55	188.038	64.5	V-C	0.165	10.98	275.2	101.5	0	166
Stage0	3.15	194.379	66.543	V-C	0.165	10.98	275.2	105.5	0	172.043
Stage0	2.75	200.724	68.587	V-C	0.165	10.98	275.2	109.5	0	178.087
Stage0	2.35	207.072	70.632	V-C	0.165	10.98	275.2	113.5	0	184.132
Stage0	1.95	213.422	72.679	V-C	0.165	10.98	275.2	117.5	0	190.179
Stage0	1.55	219.775	74.727	V-C	0.165	10.98	275.2	121.5	0	196.227
Stage0	1.15	226.131	76.776	V-C	0.165	10.98	275.2	125.5	0	202.276
Stage0	0.75	232.733	78.827	V-C	0.165	10.98	275.2	129.5	0	208.327
Stage0	0.35	239.087	80.879	V-C	0.165	10.98	275.2	133.5	0	214.379
Stage0	-0.05	245.443	82.933	V-C	0.165	10.98	275.2	137.5	0	220.433
Stage0	-0.45	251.801	84.988	V-C	0.165	10.98	275.2	141.5	0	226.488
Stage0	-0.85	258.161	87.044	V-C	0.165	10.98	275.2	145.5	0	232.544
Stage0	-1.25	264.523	89.102	V-C	0.165	10.98	275.2	149.5	0	238.602
Stage0	-1.45	267.811	90.131	V-C	0.165	10.98	275.2	151.5	0	241.631
Stage0	-1.85	274.173	92.191	V-C	0.165	10.98	275.2	155.5	0	247.691
Stage0	-2.25	280.537	94.252	V-C	0.165	10.98	275.2	159.5	0	253.752
Stage0	-2.65	286.902	96.314	V-C	0.165	10.98	275.2	163.5	0	259.814
Stage0	-3.05	293.269	98.378	V-C	0.165	10.98	275.2	167.5	0	265.878
Stage0	-3.45	299.637	100.443	V-C	0.165	10.98	275.2	171.5	0	271.943
Stage0	-3.85	306.006	102.51	V-C	0.165	10.98	275.2	175.5	0	278.01
Stage0	-4.25	312.376	104.578	V-C	0.165	10.98	275.2	179.5	0	284.078
Stage0	-4.65	318.748	106.647	V-C	0.165	10.98	275.2	183.5	0	290.147
Stage0	-5.05	325.12	108.717	V-C	0.165	10.98	275.2	187.5	0	296.217
Stage0	-5.45	331.494	110.789	V-C	0.165	10.98	275.2	191.5	0	302.289
Stage0	-5.85	337.869	112.862	V-C	0.165	10.98	275.2	195.5	0	308.362
Stage0	-6.25	344.411	114.936	V-C	0.165	10.98	275.2	199.5	0	314.436
Stage0	-6.65	350.784	117.012	V-C	0.165	10.98	275.2	203.5	0	320.512
Stage0	-7.05	357.158	119.089	V-C	0.165	10.98	275.2	207.5	0	326.589
Stage0	-7.45	363.534	121.167	V-C	0.165	10.98	275.2	211.5	0	332.667
Stage0	-7.85	369.91	123.246	V-C	0.165	10.98	275.2	215.5	0	338.746
Stage0	-8.25	376.286	125.327	V-C	0.165	10.98	275.2	219.5	0	344.827
Stage0	-8.65	382.664	127.409	V-C	0.165	10.98	275.2	223.5	0	350.909

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: RIGHT			Lato RIGHT			Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)				
Stage0	-9.05	389.042	129.492	V-C	0.165	10.98	275.2	227.5	0	0	356.992
Stage0	-9.45	395.421	131.576	V-C	0.165	10.98	275.2	231.5	0	0	363.076
Stage0	-9.85	401.801	133.662	V-C	0.165	10.98	275.2	235.5	0	0	369.162
Stage0	-10.25	408.181	135.749	V-C	0.165	10.98	275.2	239.5	0	0	375.248
Stage0	-10.65	414.561	137.836	V-C	0.165	10.98	275.2	243.5	0	0	381.336
Stage0	-11.05	421.08	139.925	V-C	0.165	10.98	275.2	247.5	0	0	387.425
Stage0	-11.45	427.46	142.015	V-C	0.165	10.98	275.2	251.5	0	0	393.515
Stage0	-11.85	433.84	144.107	V-C	0.165	10.98	275.2	255.5	0	0	399.607
Stage0	-12.25	440.221	146.199	V-C	0.165	10.98	275.2	259.5	0	0	405.699
Stage0	-12.65	446.602	148.292	V-C	0.165	10.98	275.2	263.5	0	0	411.792
Stage0	-13.05	452.984	150.387	V-C	0.165	10.98	275.2	267.5	0	0	417.887
Stage0	-13.45	459.367	152.482	V-C	0.165	10.98	275.2	271.5	0	0	423.982
Stage0	-13.85	465.75	154.579	V-C	0.165	10.98	275.2	275.5	0	0	430.079
Stage0	-14.25	472.133	156.676	V-C	0.165	10.98	275.2	279.5	0	0	436.176
Stage0	-14.65	478.517	158.775	V-C	0.165	10.98	275.2	283.5	0	0	442.275
Stage0	-15.05	484.901	160.874	V-C	0.165	10.98	275.2	287.5	0	0	448.374
Stage0	-15.45	491.404	162.975	V-C	0.165	10.98	275.2	291.5	0	0	454.475
Stage0	-15.85	497.787	165.076	V-C	0.165	10.98	275.2	295.5	0	0	460.576
Stage0	-16.25	504.171	167.179	V-C	0.165	10.98	275.2	299.5	0	0	466.679
Stage0	-16.65	510.555	169.282	V-C	0.165	10.98	275.2	303.5	0	0	472.782
Stage0	-17.05	516.94	171.386	V-C	0.165	10.98	275.2	307.5	0	0	478.886
Stage0	-17.3	520.972	172.702	V-C	0.165	10.98	275.2	310	0	0	482.702

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

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Tabella Risultati Terreno Paratia - Nominal - Stage1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage1	15.7	0	0	ACTIVE	0.433	2.529	11.2	0	0	0
Stage1	15.35	17.456	8.872	UL-RL	0.433	2.529	11.2	0	0	8.872
Stage1	14.95	29.031	15.772	UL-RL	0.433	2.529	11.2	0	0	15.772
Stage1	14.55	38.71	22.346	UL-RL	0.433	2.529	11.2	0	0	22.346
Stage1	14.15	47.458	28.591	UL-RL	0.433	2.529	11.2	0	0	28.591
Stage1	13.75	56.076	34.478	UL-RL	0.433	2.529	11.2	0	0	34.478
Stage1	13.35	61.312	37.725	UL-RL	0.433	2.529	11.2	3.5	0	41.225
Stage1	12.95	65.834	40.399	UL-RL	0.433	2.529	11.2	7.5	0	47.899
Stage1	12.55	70.214	42.915	UL-RL	0.433	2.529	11.2	11.5	0	54.415
Stage1	12.15	73.236	45.346	UL-RL	0.433	2.529	11.2	15.5	0	60.846
Stage1	11.75	76.655	47.75	UL-RL	0.433	2.529	11.2	19.5	0	67.25
Stage1	11.35	80.34	50.17	UL-RL	0.433	2.529	11.2	23.5	0	73.67
Stage1	10.95	84.071	52.635	UL-RL	0.433	2.529	11.2	27.5	0	80.135
Stage1	10.55	87.838	55.164	UL-RL	0.433	2.529	11.2	31.5	0	86.664
Stage1	10.15	91.634	57.766	UL-RL	0.433	2.529	11.2	35.5	0	93.266
Stage1	9.95	93.851	59.094	UL-RL	0.433	2.529	11.2	37.5	0	96.594
Stage1	9.55	97.664	61.796	UL-RL	0.433	2.529	11.2	41.5	0	103.296
Stage1	9.15	101.496	64.531	UL-RL	0.433	2.529	11.2	45.5	0	110.031
Stage1	8.75	105.646	32.058	UL-RL	0.165	10.98	275.2	49.5	0	81.558
Stage1	8.35	111.911	38.415	UL-RL	0.165	10.98	275.2	53.5	0	91.915
Stage1	7.95	118.188	41.139	UL-RL	0.165	10.98	275.2	57.5	0	98.639
Stage1	7.55	124.476	42.764	UL-RL	0.165	10.98	275.2	61.5	0	104.264
Stage1	7.15	130.774	44.434	UL-RL	0.165	10.98	275.2	65.5	0	109.934
Stage1	6.75	137.08	46.334	UL-RL	0.165	10.98	275.2	69.5	0	115.834
Stage1	6.35	143.393	48.359	UL-RL	0.165	10.98	275.2	73.5	0	121.859
Stage1	5.95	149.713	50.413	UL-RL	0.165	10.98	275.2	77.5	0	127.913
Stage1	5.55	156.396	52.462	UL-RL	0.165	10.98	275.2	81.5	0	133.962
Stage1	5.15	162.715	54.503	UL-RL	0.165	10.98	275.2	85.5	0	140.003
Stage1	4.75	169.038	56.542	UL-RL	0.165	10.98	275.2	89.5	0	146.042
Stage1	4.35	175.367	58.581	UL-RL	0.165	10.98	275.2	93.5	0	152.081
Stage1	3.95	181.7	60.622	UL-RL	0.165	10.98	275.2	97.5	0	158.122
Stage1	3.55	188.038	62.665	UL-RL	0.165	10.98	275.2	101.5	0	164.164
Stage1	3.15	194.379	64.709	UL-RL	0.165	10.98	275.2	105.5	0	170.209
Stage1	2.75	200.724	66.754	UL-RL	0.165	10.98	275.2	109.5	0	176.254
Stage1	2.35	207.072	68.801	UL-RL	0.165	10.98	275.2	113.5	0	182.301
Stage1	1.95	213.422	70.848	UL-RL	0.165	10.98	275.2	117.5	0	188.348
Stage1	1.55	219.775	72.898	UL-RL	0.165	10.98	275.2	121.5	0	194.398
Stage1	1.15	226.131	74.948	UL-RL	0.165	10.98	275.2	125.5	0	200.448
Stage1	0.75	232.733	77	UL-RL	0.165	10.98	275.2	129.5	0	206.5
Stage1	0.35	239.087	79.053	UL-RL	0.165	10.98	275.2	133.5	0	212.553
Stage1	-0.05	245.443	81.108	UL-RL	0.165	10.98	275.2	137.5	0	218.608
Stage1	-0.45	251.801	83.164	UL-RL	0.165	10.98	275.2	141.5	0	224.664
Stage1	-0.85	258.161	85.221	UL-RL	0.165	10.98	275.2	145.5	0	230.721
Stage1	-1.25	264.523	87.279	UL-RL	0.165	10.98	275.2	149.5	0	236.779
Stage1	-1.45	267.811	88.309	UL-RL	0.165	10.98	275.2	151.5	0	239.809
Stage1	-1.85	274.173	90.369	UL-RL	0.165	10.98	275.2	155.5	0	245.869
Stage1	-2.25	280.537	92.431	UL-RL	0.165	10.98	275.2	159.5	0	251.931
Stage1	-2.65	286.902	94.494	UL-RL	0.165	10.98	275.2	163.5	0	257.994
Stage1	-3.05	293.269	96.558	UL-RL	0.165	10.98	275.2	167.5	0	264.058
Stage1	-3.45	299.637	98.624	UL-RL	0.165	10.98	275.2	171.5	0	270.124
Stage1	-3.85	306.006	100.691	UL-RL	0.165	10.98	275.2	175.5	0	276.191
Stage1	-4.25	312.376	102.76	UL-RL	0.165	10.98	275.2	179.5	0	282.26
Stage1	-4.65	318.748	104.829	UL-RL	0.165	10.98	275.2	183.5	0	288.329
Stage1	-5.05	325.12	106.9	UL-RL	0.165	10.98	275.2	187.5	0	294.4
Stage1	-5.45	331.494	108.972	UL-RL	0.165	10.98	275.2	191.5	0	300.472
Stage1	-5.85	337.869	111.046	UL-RL	0.165	10.98	275.2	195.5	0	306.546
Stage1	-6.25	344.411	113.12	UL-RL	0.165	10.98	275.2	199.5	0	312.62
Stage1	-6.65	350.784	115.197	UL-RL	0.165	10.98	275.2	203.5	0	318.697
Stage1	-7.05	357.158	117.274	UL-RL	0.165	10.98	275.2	207.5	0	324.774
Stage1	-7.45	363.534	119.352	UL-RL	0.165	10.98	275.2	211.5	0	330.852

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-7.85	369.91	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage1	-8.25	376.286	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage1	-8.65	382.664	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095
Stage1	-9.05	389.042	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage1	-9.45	395.421	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage1	-9.85	401.801	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage1	-10.25	408.181	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage1	-10.65	414.561	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage1	-11.05	421.08	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage1	-11.45	427.46	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage1	-11.85	433.84	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage1	-12.25	440.221	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage1	-12.65	446.602	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage1	-13.05	452.984	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage1	-13.45	459.367	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage1	-13.85	465.75	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage1	-14.25	472.133	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage1	-14.65	478.517	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage1	-15.05	484.901	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage1	-15.45	491.404	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage1	-15.85	497.787	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage1	-16.25	504.171	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage1	-16.65	510.555	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage1	-17.05	516.94	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage1	-17.3	520.972	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	14.95	0	17.869	UL-RL	0.433	2.529	11.2	0	0	0	17.869
Stage1	14.55	8	27.438	V-C	0.433	2.529	11.2	0	0	0	27.438
Stage1	14.15	16	31.63	V-C	0.433	2.529	11.2	0	0	0	31.63
Stage1	13.75	24	35.816	UL-RL	0.433	2.529	11.2	0	0	0	35.816
Stage1	13.35	28.5	37.899	UL-RL	0.433	2.529	11.2	3.5	0	0	41.399
Stage1	12.95	32.5	39.971	UL-RL	0.433	2.529	11.2	7.5	0	0	47.471
Stage1	12.55	36.5	42.272	UL-RL	0.433	2.529	11.2	11.5	0	0	53.772
Stage1	12.15	40.5	44.715	UL-RL	0.433	2.529	11.2	15.5	0	0	60.215
Stage1	11.75	44.5	47.229	UL-RL	0.433	2.529	11.2	19.5	0	0	66.729
Stage1	11.35	48.5	49.761	UL-RL	0.433	2.529	11.2	23.5	0	0	73.261
Stage1	10.95	52.5	52.275	UL-RL	0.433	2.529	11.2	27.5	0	0	79.775
Stage1	10.55	56.5	54.745	UL-RL	0.433	2.529	11.2	31.5	0	0	86.245
Stage1	10.15	60.5	57.158	UL-RL	0.433	2.529	11.2	35.5	0	0	92.658
Stage1	9.95	62.5	58.342	UL-RL	0.433	2.529	11.2	37.5	0	0	95.842
Stage1	9.55	66.5	60.673	UL-RL	0.433	2.529	11.2	41.5	0	0	102.173
Stage1	9.15	70.5	62.981	UL-RL	0.433	2.529	11.2	45.5	0	0	108.481
Stage1	8.75	74.8	37.9	UL-RL	0.165	10.98	275.2	49.5	0	0	87.4
Stage1	8.35	81.2	38.174	UL-RL	0.165	10.98	275.2	53.5	0	0	91.674
Stage1	7.95	87.6	39.919	UL-RL	0.165	10.98	275.2	57.5	0	0	97.419
Stage1	7.55	94	42.11	UL-RL	0.165	10.98	275.2	61.5	0	0	103.61
Stage1	7.15	100.4	44.286	UL-RL	0.165	10.98	275.2	65.5	0	0	109.786
Stage1	6.75	106.8	46.37	UL-RL	0.165	10.98	275.2	69.5	0	0	115.87
Stage1	6.35	113.2	48.407	UL-RL	0.165	10.98	275.2	73.5	0	0	121.907
Stage1	5.95	119.6	50.434	UL-RL	0.165	10.98	275.2	77.5	0	0	127.934
Stage1	5.55	126	52.465	UL-RL	0.165	10.98	275.2	81.5	0	0	133.965
Stage1	5.15	132.4	54.501	UL-RL	0.165	10.98	275.2	85.5	0	0	140.001
Stage1	4.75	138.8	56.54	UL-RL	0.165	10.98	275.2	89.5	0	0	146.04
Stage1	4.35	145.2	58.58	UL-RL	0.165	10.98	275.2	93.5	0	0	152.08
Stage1	3.95	151.6	60.622	UL-RL	0.165	10.98	275.2	97.5	0	0	158.122
Stage1	3.55	158	62.665	UL-RL	0.165	10.98	275.2	101.5	0	0	164.165
Stage1	3.15	164.4	64.709	UL-RL	0.165	10.98	275.2	105.5	0	0	170.209
Stage1	2.75	170.8	66.754	UL-RL	0.165	10.98	275.2	109.5	0	0	176.254
Stage1	2.35	177.2	68.801	UL-RL	0.165	10.98	275.2	113.5	0	0	182.301
Stage1	1.95	183.6	70.848	UL-RL	0.165	10.98	275.2	117.5	0	0	188.348
Stage1	1.55	190	72.898	UL-RL	0.165	10.98	275.2	121.5	0	0	194.398
Stage1	1.15	196.4	74.948	UL-RL	0.165	10.98	275.2	125.5	0	0	200.448
Stage1	0.75	202.8	77	UL-RL	0.165	10.98	275.2	129.5	0	0	206.5
Stage1	0.35	209.2	79.053	UL-RL	0.165	10.98	275.2	133.5	0	0	212.553
Stage1	-0.05	215.6	81.108	UL-RL	0.165	10.98	275.2	137.5	0	0	218.608
Stage1	-0.45	222	83.164	UL-RL	0.165	10.98	275.2	141.5	0	0	224.664
Stage1	-0.85	228.4	85.221	UL-RL	0.165	10.98	275.2	145.5	0	0	230.721
Stage1	-1.25	234.8	87.279	UL-RL	0.165	10.98	275.2	149.5	0	0	236.779
Stage1	-1.45	238	88.309	UL-RL	0.165	10.98	275.2	151.5	0	0	239.809
Stage1	-1.85	244.4	90.369	UL-RL	0.165	10.98	275.2	155.5	0	0	245.869
Stage1	-2.25	250.8	92.431	UL-RL	0.165	10.98	275.2	159.5	0	0	251.931
Stage1	-2.65	257.2	94.494	UL-RL	0.165	10.98	275.2	163.5	0	0	257.994
Stage1	-3.05	263.6	96.558	UL-RL	0.165	10.98	275.2	167.5	0	0	264.058
Stage1	-3.45	270	98.624	UL-RL	0.165	10.98	275.2	171.5	0	0	270.124
Stage1	-3.85	276.4	100.691	UL-RL	0.165	10.98	275.2	175.5	0	0	276.191
Stage1	-4.25	282.8	102.76	UL-RL	0.165	10.98	275.2	179.5	0	0	282.26
Stage1	-4.65	289.2	104.829	UL-RL	0.165	10.98	275.2	183.5	0	0	288.329
Stage1	-5.05	295.6	106.9	UL-RL	0.165	10.98	275.2	187.5	0	0	294.4
Stage1	-5.45	302	108.972	UL-RL	0.165	10.98	275.2	191.5	0	0	300.472
Stage1	-5.85	308.4	111.046	UL-RL	0.165	10.98	275.2	195.5	0	0	306.546
Stage1	-6.25	314.8	113.12	UL-RL	0.165	10.98	275.2	199.5	0	0	312.62
Stage1	-6.65	321.2	115.197	UL-RL	0.165	10.98	275.2	203.5	0	0	318.697
Stage1	-7.05	327.6	117.274	UL-RL	0.165	10.98	275.2	207.5	0	0	324.774
Stage1	-7.45	334	119.352	UL-RL	0.165	10.98	275.2	211.5	0	0	330.852
Stage1	-7.85	340.4	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage1	-8.25	346.8	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage1	-8.65	353.2	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-9.05	359.6	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage1	-9.45	366	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage1	-9.85	372.4	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage1	-10.25	378.8	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage1	-10.65	385.2	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage1	-11.05	391.6	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage1	-11.45	398	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage1	-11.85	404.4	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage1	-12.25	410.8	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage1	-12.65	417.2	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage1	-13.05	423.6	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage1	-13.45	430	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage1	-13.85	436.4	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage1	-14.25	442.8	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage1	-14.65	449.2	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage1	-15.05	455.6	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage1	-15.45	462	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage1	-15.85	468.4	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage1	-16.25	474.8	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage1	-16.65	481.2	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage1	-17.05	487.6	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage1	-17.3	491.6	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage1

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	14.95	0	17.869	UL-RL	0.433	2.529	11.2	0	0	0	17.869
Stage1	14.55	8	27.438	V-C	0.433	2.529	11.2	0	0	0	27.438
Stage1	14.15	16	31.63	V-C	0.433	2.529	11.2	0	0	0	31.63
Stage1	13.75	24	35.816	UL-RL	0.433	2.529	11.2	0	0	0	35.816
Stage1	13.35	28.5	37.899	UL-RL	0.433	2.529	11.2	3.5	0	0	41.399
Stage1	12.95	32.5	39.971	UL-RL	0.433	2.529	11.2	7.5	0	0	47.471
Stage1	12.55	36.5	42.272	UL-RL	0.433	2.529	11.2	11.5	0	0	53.772
Stage1	12.15	40.5	44.715	UL-RL	0.433	2.529	11.2	15.5	0	0	60.215
Stage1	11.75	44.5	47.229	UL-RL	0.433	2.529	11.2	19.5	0	0	66.729
Stage1	11.35	48.5	49.761	UL-RL	0.433	2.529	11.2	23.5	0	0	73.261
Stage1	10.95	52.5	52.275	UL-RL	0.433	2.529	11.2	27.5	0	0	79.775
Stage1	10.55	56.5	54.745	UL-RL	0.433	2.529	11.2	31.5	0	0	86.245
Stage1	10.15	60.5	57.158	UL-RL	0.433	2.529	11.2	35.5	0	0	92.658
Stage1	9.95	62.5	58.342	UL-RL	0.433	2.529	11.2	37.5	0	0	95.842
Stage1	9.55	66.5	60.673	UL-RL	0.433	2.529	11.2	41.5	0	0	102.173
Stage1	9.15	70.5	62.981	UL-RL	0.433	2.529	11.2	45.5	0	0	108.481
Stage1	8.75	74.8	37.9	UL-RL	0.165	10.98	275.2	49.5	0	0	87.4
Stage1	8.35	81.2	38.174	UL-RL	0.165	10.98	275.2	53.5	0	0	91.674
Stage1	7.95	87.6	39.919	UL-RL	0.165	10.98	275.2	57.5	0	0	97.419
Stage1	7.55	94	42.11	UL-RL	0.165	10.98	275.2	61.5	0	0	103.61
Stage1	7.15	100.4	44.286	UL-RL	0.165	10.98	275.2	65.5	0	0	109.786
Stage1	6.75	106.8	46.37	UL-RL	0.165	10.98	275.2	69.5	0	0	115.87
Stage1	6.35	113.2	48.407	UL-RL	0.165	10.98	275.2	73.5	0	0	121.907
Stage1	5.95	119.6	50.434	UL-RL	0.165	10.98	275.2	77.5	0	0	127.934
Stage1	5.55	126	52.465	UL-RL	0.165	10.98	275.2	81.5	0	0	133.965
Stage1	5.15	132.4	54.501	UL-RL	0.165	10.98	275.2	85.5	0	0	140.001
Stage1	4.75	138.8	56.54	UL-RL	0.165	10.98	275.2	89.5	0	0	146.04
Stage1	4.35	145.2	58.58	UL-RL	0.165	10.98	275.2	93.5	0	0	152.08
Stage1	3.95	151.6	60.622	UL-RL	0.165	10.98	275.2	97.5	0	0	158.122
Stage1	3.55	158	62.665	UL-RL	0.165	10.98	275.2	101.5	0	0	164.165
Stage1	3.15	164.4	64.709	UL-RL	0.165	10.98	275.2	105.5	0	0	170.209
Stage1	2.75	170.8	66.754	UL-RL	0.165	10.98	275.2	109.5	0	0	176.254
Stage1	2.35	177.2	68.801	UL-RL	0.165	10.98	275.2	113.5	0	0	182.301
Stage1	1.95	183.6	70.848	UL-RL	0.165	10.98	275.2	117.5	0	0	188.348
Stage1	1.55	190	72.898	UL-RL	0.165	10.98	275.2	121.5	0	0	194.398
Stage1	1.15	196.4	74.948	UL-RL	0.165	10.98	275.2	125.5	0	0	200.448
Stage1	0.75	202.8	77	UL-RL	0.165	10.98	275.2	129.5	0	0	206.5
Stage1	0.35	209.2	79.053	UL-RL	0.165	10.98	275.2	133.5	0	0	212.553
Stage1	-0.05	215.6	81.108	UL-RL	0.165	10.98	275.2	137.5	0	0	218.608
Stage1	-0.45	222	83.164	UL-RL	0.165	10.98	275.2	141.5	0	0	224.664
Stage1	-0.85	228.4	85.221	UL-RL	0.165	10.98	275.2	145.5	0	0	230.721
Stage1	-1.25	234.8	87.279	UL-RL	0.165	10.98	275.2	149.5	0	0	236.779
Stage1	-1.45	238	88.309	UL-RL	0.165	10.98	275.2	151.5	0	0	239.809
Stage1	-1.85	244.4	90.369	UL-RL	0.165	10.98	275.2	155.5	0	0	245.869
Stage1	-2.25	250.8	92.431	UL-RL	0.165	10.98	275.2	159.5	0	0	251.931
Stage1	-2.65	257.2	94.494	UL-RL	0.165	10.98	275.2	163.5	0	0	257.994
Stage1	-3.05	263.6	96.558	UL-RL	0.165	10.98	275.2	167.5	0	0	264.058
Stage1	-3.45	270	98.624	UL-RL	0.165	10.98	275.2	171.5	0	0	270.124
Stage1	-3.85	276.4	100.691	UL-RL	0.165	10.98	275.2	175.5	0	0	276.191
Stage1	-4.25	282.8	102.76	UL-RL	0.165	10.98	275.2	179.5	0	0	282.26
Stage1	-4.65	289.2	104.829	UL-RL	0.165	10.98	275.2	183.5	0	0	288.329
Stage1	-5.05	295.6	106.9	UL-RL	0.165	10.98	275.2	187.5	0	0	294.4
Stage1	-5.45	302	108.972	UL-RL	0.165	10.98	275.2	191.5	0	0	300.472
Stage1	-5.85	308.4	111.046	UL-RL	0.165	10.98	275.2	195.5	0	0	306.546
Stage1	-6.25	314.8	113.12	UL-RL	0.165	10.98	275.2	199.5	0	0	312.62
Stage1	-6.65	321.2	115.197	UL-RL	0.165	10.98	275.2	203.5	0	0	318.697
Stage1	-7.05	327.6	117.274	UL-RL	0.165	10.98	275.2	207.5	0	0	324.774
Stage1	-7.45	334	119.352	UL-RL	0.165	10.98	275.2	211.5	0	0	330.852

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-7.85	340.4	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage1	-8.25	346.8	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage1	-8.65	353.2	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095
Stage1	-9.05	359.6	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage1	-9.45	366	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage1	-9.85	372.4	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage1	-10.25	378.8	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage1	-10.65	385.2	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage1	-11.05	391.6	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage1	-11.45	398	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage1	-11.85	404.4	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage1	-12.25	410.8	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage1	-12.65	417.2	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage1	-13.05	423.6	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage1	-13.45	430	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage1	-13.85	436.4	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage1	-14.25	442.8	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage1	-14.65	449.2	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage1	-15.05	455.6	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage1	-15.45	462	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage1	-15.85	468.4	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage1	-16.25	474.8	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage1	-16.65	481.2	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage1	-17.05	487.6	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage1	-17.3	491.6	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	ACTIVE	0.433	2.529	11.2	0	0	0	0
Stage1	15.35	17.456	8.872	UL-RL	0.433	2.529	11.2	0	0	0	8.872
Stage1	14.95	29.031	15.772	UL-RL	0.433	2.529	11.2	0	0	0	15.772
Stage1	14.55	38.71	22.346	UL-RL	0.433	2.529	11.2	0	0	0	22.346
Stage1	14.15	47.458	28.591	UL-RL	0.433	2.529	11.2	0	0	0	28.591
Stage1	13.75	56.076	34.478	UL-RL	0.433	2.529	11.2	0	0	0	34.478
Stage1	13.35	61.312	37.725	UL-RL	0.433	2.529	11.2	3.5	0	0	41.225
Stage1	12.95	65.834	40.399	UL-RL	0.433	2.529	11.2	7.5	0	0	47.899
Stage1	12.55	70.214	42.915	UL-RL	0.433	2.529	11.2	11.5	0	0	54.415
Stage1	12.15	73.236	45.346	UL-RL	0.433	2.529	11.2	15.5	0	0	60.846
Stage1	11.75	76.655	47.75	UL-RL	0.433	2.529	11.2	19.5	0	0	67.25
Stage1	11.35	80.34	50.17	UL-RL	0.433	2.529	11.2	23.5	0	0	73.67
Stage1	10.95	84.071	52.635	UL-RL	0.433	2.529	11.2	27.5	0	0	80.135
Stage1	10.55	87.838	55.164	UL-RL	0.433	2.529	11.2	31.5	0	0	86.664
Stage1	10.15	91.634	57.766	UL-RL	0.433	2.529	11.2	35.5	0	0	93.266
Stage1	9.95	93.851	59.094	UL-RL	0.433	2.529	11.2	37.5	0	0	96.594
Stage1	9.55	97.664	61.796	UL-RL	0.433	2.529	11.2	41.5	0	0	103.296
Stage1	9.15	101.496	64.531	UL-RL	0.433	2.529	11.2	45.5	0	0	110.031
Stage1	8.75	105.646	32.058	UL-RL	0.165	10.98	275.2	49.5	0	0	81.558
Stage1	8.35	111.911	38.415	UL-RL	0.165	10.98	275.2	53.5	0	0	91.915
Stage1	7.95	118.188	41.139	UL-RL	0.165	10.98	275.2	57.5	0	0	98.639
Stage1	7.55	124.476	42.764	UL-RL	0.165	10.98	275.2	61.5	0	0	104.264
Stage1	7.15	130.774	44.434	UL-RL	0.165	10.98	275.2	65.5	0	0	109.934
Stage1	6.75	137.08	46.334	UL-RL	0.165	10.98	275.2	69.5	0	0	115.834
Stage1	6.35	143.393	48.359	UL-RL	0.165	10.98	275.2	73.5	0	0	121.859
Stage1	5.95	149.713	50.413	UL-RL	0.165	10.98	275.2	77.5	0	0	127.913
Stage1	5.55	156.396	52.462	UL-RL	0.165	10.98	275.2	81.5	0	0	133.962
Stage1	5.15	162.715	54.503	UL-RL	0.165	10.98	275.2	85.5	0	0	140.003
Stage1	4.75	169.038	56.542	UL-RL	0.165	10.98	275.2	89.5	0	0	146.042
Stage1	4.35	175.367	58.581	UL-RL	0.165	10.98	275.2	93.5	0	0	152.081
Stage1	3.95	181.7	60.622	UL-RL	0.165	10.98	275.2	97.5	0	0	158.122
Stage1	3.55	188.038	62.665	UL-RL	0.165	10.98	275.2	101.5	0	0	164.164
Stage1	3.15	194.379	64.709	UL-RL	0.165	10.98	275.2	105.5	0	0	170.209
Stage1	2.75	200.724	66.754	UL-RL	0.165	10.98	275.2	109.5	0	0	176.254
Stage1	2.35	207.072	68.801	UL-RL	0.165	10.98	275.2	113.5	0	0	182.301
Stage1	1.95	213.422	70.848	UL-RL	0.165	10.98	275.2	117.5	0	0	188.348
Stage1	1.55	219.775	72.898	UL-RL	0.165	10.98	275.2	121.5	0	0	194.398
Stage1	1.15	226.131	74.948	UL-RL	0.165	10.98	275.2	125.5	0	0	200.448
Stage1	0.75	232.733	77	UL-RL	0.165	10.98	275.2	129.5	0	0	206.5
Stage1	0.35	239.087	79.053	UL-RL	0.165	10.98	275.2	133.5	0	0	212.553
Stage1	-0.05	245.443	81.108	UL-RL	0.165	10.98	275.2	137.5	0	0	218.608
Stage1	-0.45	251.801	83.164	UL-RL	0.165	10.98	275.2	141.5	0	0	224.664
Stage1	-0.85	258.161	85.221	UL-RL	0.165	10.98	275.2	145.5	0	0	230.721
Stage1	-1.25	264.523	87.279	UL-RL	0.165	10.98	275.2	149.5	0	0	236.779
Stage1	-1.45	267.811	88.309	UL-RL	0.165	10.98	275.2	151.5	0	0	239.809
Stage1	-1.85	274.173	90.369	UL-RL	0.165	10.98	275.2	155.5	0	0	245.869
Stage1	-2.25	280.537	92.431	UL-RL	0.165	10.98	275.2	159.5	0	0	251.931
Stage1	-2.65	286.902	94.494	UL-RL	0.165	10.98	275.2	163.5	0	0	257.994
Stage1	-3.05	293.269	96.558	UL-RL	0.165	10.98	275.2	167.5	0	0	264.058
Stage1	-3.45	299.637	98.624	UL-RL	0.165	10.98	275.2	171.5	0	0	270.124
Stage1	-3.85	306.006	100.691	UL-RL	0.165	10.98	275.2	175.5	0	0	276.191
Stage1	-4.25	312.376	102.76	UL-RL	0.165	10.98	275.2	179.5	0	0	282.26
Stage1	-4.65	318.748	104.829	UL-RL	0.165	10.98	275.2	183.5	0	0	288.329
Stage1	-5.05	325.12	106.9	UL-RL	0.165	10.98	275.2	187.5	0	0	294.4
Stage1	-5.45	331.494	108.972	UL-RL	0.165	10.98	275.2	191.5	0	0	300.472
Stage1	-5.85	337.869	111.046	UL-RL	0.165	10.98	275.2	195.5	0	0	306.546
Stage1	-6.25	344.411	113.12	UL-RL	0.165	10.98	275.2	199.5	0	0	312.62
Stage1	-6.65	350.784	115.197	UL-RL	0.165	10.98	275.2	203.5	0	0	318.697
Stage1	-7.05	357.158	117.274	UL-RL	0.165	10.98	275.2	207.5	0	0	324.774
Stage1	-7.45	363.534	119.352	UL-RL	0.165	10.98	275.2	211.5	0	0	330.852
Stage1	-7.85	369.91	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage1	-8.25	376.286	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage1	-8.65	382.664	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-9.05	389.042	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage1	-9.45	395.421	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage1	-9.85	401.801	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage1	-10.25	408.181	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage1	-10.65	414.561	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage1	-11.05	421.08	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage1	-11.45	427.46	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage1	-11.85	433.84	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage1	-12.25	440.221	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage1	-12.65	446.602	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage1	-13.05	452.984	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage1	-13.45	459.367	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage1	-13.85	465.75	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage1	-14.25	472.133	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage1	-14.65	478.517	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage1	-15.05	484.901	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage1	-15.45	491.404	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage1	-15.85	497.787	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage1	-16.25	504.171	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage1	-16.65	510.555	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage1	-17.05	516.94	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage1	-17.3	520.972	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage2

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
				Stato	Ka	Kp				
Stage2	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0
Stage2	15.35	17.456	8.872	UL-RL0.433	2.529	11.2	0	0	0	8.872
Stage2	14.95	29.031	15.772	UL-RL0.433	2.529	11.2	0	0	0	15.772
Stage2	14.55	38.71	22.346	UL-RL0.433	2.529	11.2	0	0	0	22.346
Stage2	14.15	47.458	28.591	UL-RL0.433	2.529	11.2	0	0	0	28.591
Stage2	13.75	56.076	34.478	UL-RL0.433	2.529	11.2	0	0	0	34.478
Stage2	13.35	61.312	37.725	UL-RL0.433	2.529	11.2	3.5	0	0	41.225
Stage2	12.95	65.834	40.399	UL-RL0.433	2.529	11.2	7.5	0	0	47.899
Stage2	12.55	70.214	42.915	UL-RL0.433	2.529	11.2	11.5	0	0	54.415
Stage2	12.15	73.236	45.346	UL-RL0.433	2.529	11.2	15.5	0	0	60.846
Stage2	11.75	76.655	47.75	UL-RL0.433	2.529	11.2	19.5	0	0	67.25
Stage2	11.35	80.34	50.17	UL-RL0.433	2.529	11.2	23.5	0	0	73.67
Stage2	10.95	84.071	52.635	UL-RL0.433	2.529	11.2	27.5	0	0	80.135
Stage2	10.55	87.838	55.164	UL-RL0.433	2.529	11.2	31.5	0	0	86.664
Stage2	10.15	91.634	57.766	UL-RL0.433	2.529	11.2	35.5	0	0	93.266
Stage2	9.95	93.851	59.094	UL-RL0.433	2.529	11.2	37.5	0	0	96.594
Stage2	9.55	97.664	61.796	UL-RL0.433	2.529	11.2	41.5	0	0	103.296
Stage2	9.15	101.496	64.531	UL-RL0.433	2.529	11.2	45.5	0	0	110.031
Stage2	8.75	105.646	32.058	UL-RL0.165	10.98	275.2	49.5	0	0	81.558
Stage2	8.35	111.911	38.415	UL-RL0.165	10.98	275.2	53.5	0	0	91.915
Stage2	7.95	118.188	41.139	UL-RL0.165	10.98	275.2	57.5	0	0	98.639
Stage2	7.55	124.476	42.764	UL-RL0.165	10.98	275.2	61.5	0	0	104.264
Stage2	7.15	130.774	44.434	UL-RL0.165	10.98	275.2	65.5	0	0	109.934
Stage2	6.75	137.08	46.334	UL-RL0.165	10.98	275.2	69.5	0	0	115.834
Stage2	6.35	143.393	48.359	UL-RL0.165	10.98	275.2	73.5	0	0	121.859
Stage2	5.95	149.713	50.413	UL-RL0.165	10.98	275.2	77.5	0	0	127.913
Stage2	5.55	156.396	52.462	UL-RL0.165	10.98	275.2	81.5	0	0	133.962
Stage2	5.15	162.715	54.503	UL-RL0.165	10.98	275.2	85.5	0	0	140.003
Stage2	4.75	169.038	56.542	UL-RL0.165	10.98	275.2	89.5	0	0	146.042
Stage2	4.35	175.367	58.581	UL-RL0.165	10.98	275.2	93.5	0	0	152.081
Stage2	3.95	181.7	60.622	UL-RL0.165	10.98	275.2	97.5	0	0	158.122
Stage2	3.55	188.038	62.665	UL-RL0.165	10.98	275.2	101.5	0	0	164.164
Stage2	3.15	194.379	64.709	UL-RL0.165	10.98	275.2	105.5	0	0	170.209
Stage2	2.75	200.724	66.754	UL-RL0.165	10.98	275.2	109.5	0	0	176.254
Stage2	2.35	207.072	68.801	UL-RL0.165	10.98	275.2	113.5	0	0	182.301
Stage2	1.95	213.422	70.848	UL-RL0.165	10.98	275.2	117.5	0	0	188.348
Stage2	1.55	219.775	72.898	UL-RL0.165	10.98	275.2	121.5	0	0	194.398
Stage2	1.15	226.131	74.948	UL-RL0.165	10.98	275.2	125.5	0	0	200.448
Stage2	0.75	232.733	77	UL-RL0.165	10.98	275.2	129.5	0	0	206.5
Stage2	0.35	239.087	79.053	UL-RL0.165	10.98	275.2	133.5	0	0	212.553
Stage2	-0.05	245.443	81.108	UL-RL0.165	10.98	275.2	137.5	0	0	218.608
Stage2	-0.45	251.801	83.164	UL-RL0.165	10.98	275.2	141.5	0	0	224.664
Stage2	-0.85	258.161	85.221	UL-RL0.165	10.98	275.2	145.5	0	0	230.721
Stage2	-1.25	264.523	87.279	UL-RL0.165	10.98	275.2	149.5	0	0	236.779
Stage2	-1.45	267.811	88.309	UL-RL0.165	10.98	275.2	151.5	0	0	239.809
Stage2	-1.85	274.173	90.369	UL-RL0.165	10.98	275.2	155.5	0	0	245.869
Stage2	-2.25	280.537	92.431	UL-RL0.165	10.98	275.2	159.5	0	0	251.931
Stage2	-2.65	286.902	94.494	UL-RL0.165	10.98	275.2	163.5	0	0	257.994
Stage2	-3.05	293.269	96.558	UL-RL0.165	10.98	275.2	167.5	0	0	264.058
Stage2	-3.45	299.637	98.624	UL-RL0.165	10.98	275.2	171.5	0	0	270.124
Stage2	-3.85	306.006	100.691	UL-RL0.165	10.98	275.2	175.5	0	0	276.191
Stage2	-4.25	312.376	102.76	UL-RL0.165	10.98	275.2	179.5	0	0	282.26
Stage2	-4.65	318.748	104.829	UL-RL0.165	10.98	275.2	183.5	0	0	288.329
Stage2	-5.05	325.12	106.9	UL-RL0.165	10.98	275.2	187.5	0	0	294.4
Stage2	-5.45	331.494	108.972	UL-RL0.165	10.98	275.2	191.5	0	0	300.472
Stage2	-5.85	337.869	111.046	UL-RL0.165	10.98	275.2	195.5	0	0	306.546
Stage2	-6.25	344.411	113.12	UL-RL0.165	10.98	275.2	199.5	0	0	312.62
Stage2	-6.65	350.784	115.197	UL-RL0.165	10.98	275.2	203.5	0	0	318.697
Stage2	-7.05	357.158	117.274	UL-RL0.165	10.98	275.2	207.5	0	0	324.774
Stage2	-7.45	363.534	119.352	UL-RL0.165	10.98	275.2	211.5	0	0	330.852

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT		
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage2	-7.85	369.91	121.432	UL-RL0.165	10.98	275.2	215.5	0	0	336.932
Stage2	-8.25	376.286	123.513	UL-RL0.165	10.98	275.2	219.5	0	0	343.013
Stage2	-8.65	382.664	125.595	UL-RL0.165	10.98	275.2	223.5	0	0	349.095
Stage2	-9.05	389.042	127.679	UL-RL0.165	10.98	275.2	227.5	0	0	355.179
Stage2	-9.45	395.421	129.764	UL-RL0.165	10.98	275.2	231.5	0	0	361.264
Stage2	-9.85	401.801	131.849	UL-RL0.165	10.98	275.2	235.5	0	0	367.349
Stage2	-10.25	408.181	133.936	UL-RL0.165	10.98	275.2	239.5	0	0	373.436
Stage2	-10.65	414.561	136.024	UL-RL0.165	10.98	275.2	243.5	0	0	379.524
Stage2	-11.05	421.08	138.114	UL-RL0.165	10.98	275.2	247.5	0	0	385.614
Stage2	-11.45	427.46	140.204	UL-RL0.165	10.98	275.2	251.5	0	0	391.704
Stage2	-11.85	433.84	142.295	UL-RL0.165	10.98	275.2	255.5	0	0	397.795
Stage2	-12.25	440.221	144.388	UL-RL0.165	10.98	275.2	259.5	0	0	403.888
Stage2	-12.65	446.602	146.482	UL-RL0.165	10.98	275.2	263.5	0	0	409.982
Stage2	-13.05	452.984	148.576	UL-RL0.165	10.98	275.2	267.5	0	0	416.076
Stage2	-13.45	459.367	150.672	UL-RL0.165	10.98	275.2	271.5	0	0	422.172
Stage2	-13.85	465.75	152.769	UL-RL0.165	10.98	275.2	275.5	0	0	428.269
Stage2	-14.25	472.133	154.866	UL-RL0.165	10.98	275.2	279.5	0	0	434.366
Stage2	-14.65	478.517	156.965	UL-RL0.165	10.98	275.2	283.5	0	0	440.465
Stage2	-15.05	484.901	159.065	UL-RL0.165	10.98	275.2	287.5	0	0	446.565
Stage2	-15.45	491.404	161.166	UL-RL0.165	10.98	275.2	291.5	0	0	452.666
Stage2	-15.85	497.787	163.267	UL-RL0.165	10.98	275.2	295.5	0	0	458.767
Stage2	-16.25	504.171	165.37	UL-RL0.165	10.98	275.2	299.5	0	0	464.87
Stage2	-16.65	510.555	167.474	UL-RL0.165	10.98	275.2	303.5	0	0	470.973
Stage2	-17.05	516.94	169.578	UL-RL0.165	10.98	275.2	307.5	0	0	477.078
Stage2	-17.3	520.972	170.894	UL-RL0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	14.95	0	17.869	UL-RL	0.433	2.529	11.2	0	0	0	17.869
Stage2	14.55	8	27.438	UL-RL	0.433	2.529	11.2	0	0	0	27.438
Stage2	14.15	16	31.63	UL-RL	0.433	2.529	11.2	0	0	0	31.63
Stage2	13.75	24	35.816	UL-RL	0.433	2.529	11.2	0	0	0	35.816
Stage2	13.35	28.5	37.899	UL-RL	0.433	2.529	11.2	3.5	0	0	41.399
Stage2	12.95	32.5	39.971	UL-RL	0.433	2.529	11.2	7.5	0	0	47.471
Stage2	12.55	36.5	42.272	UL-RL	0.433	2.529	11.2	11.5	0	0	53.772
Stage2	12.15	40.5	44.715	UL-RL	0.433	2.529	11.2	15.5	0	0	60.215
Stage2	11.75	44.5	47.229	UL-RL	0.433	2.529	11.2	19.5	0	0	66.729
Stage2	11.35	48.5	49.761	UL-RL	0.433	2.529	11.2	23.5	0	0	73.261
Stage2	10.95	52.5	52.275	UL-RL	0.433	2.529	11.2	27.5	0	0	79.775
Stage2	10.55	56.5	54.745	UL-RL	0.433	2.529	11.2	31.5	0	0	86.245
Stage2	10.15	60.5	57.158	UL-RL	0.433	2.529	11.2	35.5	0	0	92.658
Stage2	9.95	62.5	58.342	UL-RL	0.433	2.529	11.2	37.5	0	0	95.842
Stage2	9.55	66.5	60.673	UL-RL	0.433	2.529	11.2	41.5	0	0	102.173
Stage2	9.15	70.5	62.981	UL-RL	0.433	2.529	11.2	45.5	0	0	108.481
Stage2	8.75	74.8	37.9	UL-RL	0.165	10.98	275.2	49.5	0	0	87.4
Stage2	8.35	81.2	38.174	UL-RL	0.165	10.98	275.2	53.5	0	0	91.674
Stage2	7.95	87.6	39.919	UL-RL	0.165	10.98	275.2	57.5	0	0	97.419
Stage2	7.55	94	42.11	UL-RL	0.165	10.98	275.2	61.5	0	0	103.61
Stage2	7.15	100.4	44.286	UL-RL	0.165	10.98	275.2	65.5	0	0	109.786
Stage2	6.75	106.8	46.37	UL-RL	0.165	10.98	275.2	69.5	0	0	115.87
Stage2	6.35	113.2	48.407	UL-RL	0.165	10.98	275.2	73.5	0	0	121.907
Stage2	5.95	119.6	50.434	UL-RL	0.165	10.98	275.2	77.5	0	0	127.934
Stage2	5.55	126	52.465	UL-RL	0.165	10.98	275.2	81.5	0	0	133.965
Stage2	5.15	132.4	54.501	UL-RL	0.165	10.98	275.2	85.5	0	0	140.001
Stage2	4.75	138.8	56.54	UL-RL	0.165	10.98	275.2	89.5	0	0	146.04
Stage2	4.35	145.2	58.58	UL-RL	0.165	10.98	275.2	93.5	0	0	152.08
Stage2	3.95	151.6	60.622	UL-RL	0.165	10.98	275.2	97.5	0	0	158.122
Stage2	3.55	158	62.665	UL-RL	0.165	10.98	275.2	101.5	0	0	164.165
Stage2	3.15	164.4	64.709	UL-RL	0.165	10.98	275.2	105.5	0	0	170.209
Stage2	2.75	170.8	66.754	UL-RL	0.165	10.98	275.2	109.5	0	0	176.254
Stage2	2.35	177.2	68.801	UL-RL	0.165	10.98	275.2	113.5	0	0	182.301
Stage2	1.95	183.6	70.848	UL-RL	0.165	10.98	275.2	117.5	0	0	188.348
Stage2	1.55	190	72.898	UL-RL	0.165	10.98	275.2	121.5	0	0	194.398
Stage2	1.15	196.4	74.948	UL-RL	0.165	10.98	275.2	125.5	0	0	200.448
Stage2	0.75	202.8	77	UL-RL	0.165	10.98	275.2	129.5	0	0	206.5
Stage2	0.35	209.2	79.053	UL-RL	0.165	10.98	275.2	133.5	0	0	212.553
Stage2	-0.05	215.6	81.108	UL-RL	0.165	10.98	275.2	137.5	0	0	218.608
Stage2	-0.45	222	83.164	UL-RL	0.165	10.98	275.2	141.5	0	0	224.664
Stage2	-0.85	228.4	85.221	UL-RL	0.165	10.98	275.2	145.5	0	0	230.721
Stage2	-1.25	234.8	87.279	UL-RL	0.165	10.98	275.2	149.5	0	0	236.779
Stage2	-1.45	238	88.309	UL-RL	0.165	10.98	275.2	151.5	0	0	239.809
Stage2	-1.85	244.4	90.369	UL-RL	0.165	10.98	275.2	155.5	0	0	245.869
Stage2	-2.25	250.8	92.431	UL-RL	0.165	10.98	275.2	159.5	0	0	251.931
Stage2	-2.65	257.2	94.494	UL-RL	0.165	10.98	275.2	163.5	0	0	257.994
Stage2	-3.05	263.6	96.558	UL-RL	0.165	10.98	275.2	167.5	0	0	264.058
Stage2	-3.45	270	98.624	UL-RL	0.165	10.98	275.2	171.5	0	0	270.124
Stage2	-3.85	276.4	100.691	UL-RL	0.165	10.98	275.2	175.5	0	0	276.191
Stage2	-4.25	282.8	102.76	UL-RL	0.165	10.98	275.2	179.5	0	0	282.26
Stage2	-4.65	289.2	104.829	UL-RL	0.165	10.98	275.2	183.5	0	0	288.329
Stage2	-5.05	295.6	106.9	UL-RL	0.165	10.98	275.2	187.5	0	0	294.4
Stage2	-5.45	302	108.972	UL-RL	0.165	10.98	275.2	191.5	0	0	300.472
Stage2	-5.85	308.4	111.046	UL-RL	0.165	10.98	275.2	195.5	0	0	306.546
Stage2	-6.25	314.8	113.12	UL-RL	0.165	10.98	275.2	199.5	0	0	312.62
Stage2	-6.65	321.2	115.197	UL-RL	0.165	10.98	275.2	203.5	0	0	318.697
Stage2	-7.05	327.6	117.274	UL-RL	0.165	10.98	275.2	207.5	0	0	324.774
Stage2	-7.45	334	119.352	UL-RL	0.165	10.98	275.2	211.5	0	0	330.852
Stage2	-7.85	340.4	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage2	-8.25	346.8	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage2	-8.65	353.2	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-9.05	359.6	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage2	-9.45	366	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage2	-9.85	372.4	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage2	-10.25	378.8	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage2	-10.65	385.2	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage2	-11.05	391.6	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage2	-11.45	398	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage2	-11.85	404.4	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage2	-12.25	410.8	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage2	-12.65	417.2	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage2	-13.05	423.6	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage2	-13.45	430	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage2	-13.85	436.4	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage2	-14.25	442.8	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage2	-14.65	449.2	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage2	-15.05	455.6	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage2	-15.45	462	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage2	-15.85	468.4	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage2	-16.25	474.8	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage2	-16.65	481.2	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage2	-17.05	487.6	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage2	-17.3	491.6	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage2

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	14.95	0	17.869	UL-RL	0.433	2.529	11.2	0	0	0	17.869
Stage2	14.55	8	27.438	UL-RL	0.433	2.529	11.2	0	0	0	27.438
Stage2	14.15	16	31.63	UL-RL	0.433	2.529	11.2	0	0	0	31.63
Stage2	13.75	24	35.816	UL-RL	0.433	2.529	11.2	0	0	0	35.816
Stage2	13.35	28.5	37.899	UL-RL	0.433	2.529	11.2	3.5	0	0	41.399
Stage2	12.95	32.5	39.971	UL-RL	0.433	2.529	11.2	7.5	0	0	47.471
Stage2	12.55	36.5	42.272	UL-RL	0.433	2.529	11.2	11.5	0	0	53.772
Stage2	12.15	40.5	44.715	UL-RL	0.433	2.529	11.2	15.5	0	0	60.215
Stage2	11.75	44.5	47.229	UL-RL	0.433	2.529	11.2	19.5	0	0	66.729
Stage2	11.35	48.5	49.761	UL-RL	0.433	2.529	11.2	23.5	0	0	73.261
Stage2	10.95	52.5	52.275	UL-RL	0.433	2.529	11.2	27.5	0	0	79.775
Stage2	10.55	56.5	54.745	UL-RL	0.433	2.529	11.2	31.5	0	0	86.245
Stage2	10.15	60.5	57.158	UL-RL	0.433	2.529	11.2	35.5	0	0	92.658
Stage2	9.95	62.5	58.342	UL-RL	0.433	2.529	11.2	37.5	0	0	95.842
Stage2	9.55	66.5	60.673	UL-RL	0.433	2.529	11.2	41.5	0	0	102.173
Stage2	9.15	70.5	62.981	UL-RL	0.433	2.529	11.2	45.5	0	0	108.481
Stage2	8.75	74.8	37.9	UL-RL	0.165	10.98	275.2	49.5	0	0	87.4
Stage2	8.35	81.2	38.174	UL-RL	0.165	10.98	275.2	53.5	0	0	91.674
Stage2	7.95	87.6	39.919	UL-RL	0.165	10.98	275.2	57.5	0	0	97.419
Stage2	7.55	94	42.11	UL-RL	0.165	10.98	275.2	61.5	0	0	103.61
Stage2	7.15	100.4	44.286	UL-RL	0.165	10.98	275.2	65.5	0	0	109.786
Stage2	6.75	106.8	46.37	UL-RL	0.165	10.98	275.2	69.5	0	0	115.87
Stage2	6.35	113.2	48.407	UL-RL	0.165	10.98	275.2	73.5	0	0	121.907
Stage2	5.95	119.6	50.434	UL-RL	0.165	10.98	275.2	77.5	0	0	127.934
Stage2	5.55	126	52.465	UL-RL	0.165	10.98	275.2	81.5	0	0	133.965
Stage2	5.15	132.4	54.501	UL-RL	0.165	10.98	275.2	85.5	0	0	140.001
Stage2	4.75	138.8	56.54	UL-RL	0.165	10.98	275.2	89.5	0	0	146.04
Stage2	4.35	145.2	58.58	UL-RL	0.165	10.98	275.2	93.5	0	0	152.08
Stage2	3.95	151.6	60.622	UL-RL	0.165	10.98	275.2	97.5	0	0	158.122
Stage2	3.55	158	62.665	UL-RL	0.165	10.98	275.2	101.5	0	0	164.165
Stage2	3.15	164.4	64.709	UL-RL	0.165	10.98	275.2	105.5	0	0	170.209
Stage2	2.75	170.8	66.754	UL-RL	0.165	10.98	275.2	109.5	0	0	176.254
Stage2	2.35	177.2	68.801	UL-RL	0.165	10.98	275.2	113.5	0	0	182.301
Stage2	1.95	183.6	70.848	UL-RL	0.165	10.98	275.2	117.5	0	0	188.348
Stage2	1.55	190	72.898	UL-RL	0.165	10.98	275.2	121.5	0	0	194.398
Stage2	1.15	196.4	74.948	UL-RL	0.165	10.98	275.2	125.5	0	0	200.448
Stage2	0.75	202.8	77	UL-RL	0.165	10.98	275.2	129.5	0	0	206.5
Stage2	0.35	209.2	79.053	UL-RL	0.165	10.98	275.2	133.5	0	0	212.553
Stage2	-0.05	215.6	81.108	UL-RL	0.165	10.98	275.2	137.5	0	0	218.608
Stage2	-0.45	222	83.164	UL-RL	0.165	10.98	275.2	141.5	0	0	224.664
Stage2	-0.85	228.4	85.221	UL-RL	0.165	10.98	275.2	145.5	0	0	230.721
Stage2	-1.25	234.8	87.279	UL-RL	0.165	10.98	275.2	149.5	0	0	236.779
Stage2	-1.45	238	88.309	UL-RL	0.165	10.98	275.2	151.5	0	0	239.809
Stage2	-1.85	244.4	90.369	UL-RL	0.165	10.98	275.2	155.5	0	0	245.869
Stage2	-2.25	250.8	92.431	UL-RL	0.165	10.98	275.2	159.5	0	0	251.931
Stage2	-2.65	257.2	94.494	UL-RL	0.165	10.98	275.2	163.5	0	0	257.994
Stage2	-3.05	263.6	96.558	UL-RL	0.165	10.98	275.2	167.5	0	0	264.058
Stage2	-3.45	270	98.624	UL-RL	0.165	10.98	275.2	171.5	0	0	270.124
Stage2	-3.85	276.4	100.691	UL-RL	0.165	10.98	275.2	175.5	0	0	276.191
Stage2	-4.25	282.8	102.76	UL-RL	0.165	10.98	275.2	179.5	0	0	282.26
Stage2	-4.65	289.2	104.829	UL-RL	0.165	10.98	275.2	183.5	0	0	288.329
Stage2	-5.05	295.6	106.9	UL-RL	0.165	10.98	275.2	187.5	0	0	294.4
Stage2	-5.45	302	108.972	UL-RL	0.165	10.98	275.2	191.5	0	0	300.472
Stage2	-5.85	308.4	111.046	UL-RL	0.165	10.98	275.2	195.5	0	0	306.546
Stage2	-6.25	314.8	113.12	UL-RL	0.165	10.98	275.2	199.5	0	0	312.62
Stage2	-6.65	321.2	115.197	UL-RL	0.165	10.98	275.2	203.5	0	0	318.697
Stage2	-7.05	327.6	117.274	UL-RL	0.165	10.98	275.2	207.5	0	0	324.774
Stage2	-7.45	334	119.352	UL-RL	0.165	10.98	275.2	211.5	0	0	330.852

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-7.85	340.4	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage2	-8.25	346.8	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage2	-8.65	353.2	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095
Stage2	-9.05	359.6	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage2	-9.45	366	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage2	-9.85	372.4	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage2	-10.25	378.8	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage2	-10.65	385.2	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage2	-11.05	391.6	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage2	-11.45	398	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage2	-11.85	404.4	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage2	-12.25	410.8	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage2	-12.65	417.2	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage2	-13.05	423.6	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage2	-13.45	430	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage2	-13.85	436.4	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage2	-14.25	442.8	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage2	-14.65	449.2	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage2	-15.05	455.6	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage2	-15.45	462	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage2	-15.85	468.4	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage2	-16.25	474.8	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage2	-16.65	481.2	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage2	-17.05	487.6	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage2	-17.3	491.6	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage2	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0
Stage2	15.35	17.456	8.872	UL-RL	0.433	2.529	11.2	0	0	8.872
Stage2	14.95	29.031	15.772	UL-RL	0.433	2.529	11.2	0	0	15.772
Stage2	14.55	38.71	22.346	UL-RL	0.433	2.529	11.2	0	0	22.346
Stage2	14.15	47.458	28.591	UL-RL	0.433	2.529	11.2	0	0	28.591
Stage2	13.75	56.076	34.478	UL-RL	0.433	2.529	11.2	0	0	34.478
Stage2	13.35	61.312	37.725	UL-RL	0.433	2.529	11.2	3.5	0	41.225
Stage2	12.95	65.834	40.399	UL-RL	0.433	2.529	11.2	7.5	0	47.899
Stage2	12.55	70.214	42.915	UL-RL	0.433	2.529	11.2	11.5	0	54.415
Stage2	12.15	73.236	45.346	UL-RL	0.433	2.529	11.2	15.5	0	60.846
Stage2	11.75	76.655	47.75	UL-RL	0.433	2.529	11.2	19.5	0	67.25
Stage2	11.35	80.34	50.17	UL-RL	0.433	2.529	11.2	23.5	0	73.67
Stage2	10.95	84.071	52.635	UL-RL	0.433	2.529	11.2	27.5	0	80.135
Stage2	10.55	87.838	55.164	UL-RL	0.433	2.529	11.2	31.5	0	86.664
Stage2	10.15	91.634	57.766	UL-RL	0.433	2.529	11.2	35.5	0	93.266
Stage2	9.95	93.851	59.094	UL-RL	0.433	2.529	11.2	37.5	0	96.594
Stage2	9.55	97.664	61.796	UL-RL	0.433	2.529	11.2	41.5	0	103.296
Stage2	9.15	101.496	64.531	UL-RL	0.433	2.529	11.2	45.5	0	110.031
Stage2	8.75	105.646	32.058	UL-RL	0.165	10.98	275.2	49.5	0	81.558
Stage2	8.35	111.911	38.415	UL-RL	0.165	10.98	275.2	53.5	0	91.915
Stage2	7.95	118.188	41.139	UL-RL	0.165	10.98	275.2	57.5	0	98.639
Stage2	7.55	124.476	42.764	UL-RL	0.165	10.98	275.2	61.5	0	104.264
Stage2	7.15	130.774	44.434	UL-RL	0.165	10.98	275.2	65.5	0	109.934
Stage2	6.75	137.08	46.334	UL-RL	0.165	10.98	275.2	69.5	0	115.834
Stage2	6.35	143.393	48.359	UL-RL	0.165	10.98	275.2	73.5	0	121.859
Stage2	5.95	149.713	50.413	UL-RL	0.165	10.98	275.2	77.5	0	127.913
Stage2	5.55	156.396	52.462	UL-RL	0.165	10.98	275.2	81.5	0	133.962
Stage2	5.15	162.715	54.503	UL-RL	0.165	10.98	275.2	85.5	0	140.003
Stage2	4.75	169.038	56.542	UL-RL	0.165	10.98	275.2	89.5	0	146.042
Stage2	4.35	175.367	58.581	UL-RL	0.165	10.98	275.2	93.5	0	152.081
Stage2	3.95	181.7	60.622	UL-RL	0.165	10.98	275.2	97.5	0	158.122
Stage2	3.55	188.038	62.665	UL-RL	0.165	10.98	275.2	101.5	0	164.164
Stage2	3.15	194.379	64.709	UL-RL	0.165	10.98	275.2	105.5	0	170.209
Stage2	2.75	200.724	66.754	UL-RL	0.165	10.98	275.2	109.5	0	176.254
Stage2	2.35	207.072	68.801	UL-RL	0.165	10.98	275.2	113.5	0	182.301
Stage2	1.95	213.422	70.848	UL-RL	0.165	10.98	275.2	117.5	0	188.348
Stage2	1.55	219.775	72.898	UL-RL	0.165	10.98	275.2	121.5	0	194.398
Stage2	1.15	226.131	74.948	UL-RL	0.165	10.98	275.2	125.5	0	200.448
Stage2	0.75	232.733	77	UL-RL	0.165	10.98	275.2	129.5	0	206.5
Stage2	0.35	239.087	79.053	UL-RL	0.165	10.98	275.2	133.5	0	212.553
Stage2	-0.05	245.443	81.108	UL-RL	0.165	10.98	275.2	137.5	0	218.608
Stage2	-0.45	251.801	83.164	UL-RL	0.165	10.98	275.2	141.5	0	224.664
Stage2	-0.85	258.161	85.221	UL-RL	0.165	10.98	275.2	145.5	0	230.721
Stage2	-1.25	264.523	87.279	UL-RL	0.165	10.98	275.2	149.5	0	236.779
Stage2	-1.45	267.811	88.309	UL-RL	0.165	10.98	275.2	151.5	0	239.809
Stage2	-1.85	274.173	90.369	UL-RL	0.165	10.98	275.2	155.5	0	245.869
Stage2	-2.25	280.537	92.431	UL-RL	0.165	10.98	275.2	159.5	0	251.931
Stage2	-2.65	286.902	94.494	UL-RL	0.165	10.98	275.2	163.5	0	257.994
Stage2	-3.05	293.269	96.558	UL-RL	0.165	10.98	275.2	167.5	0	264.058
Stage2	-3.45	299.637	98.624	UL-RL	0.165	10.98	275.2	171.5	0	270.124
Stage2	-3.85	306.006	100.691	UL-RL	0.165	10.98	275.2	175.5	0	276.191
Stage2	-4.25	312.376	102.76	UL-RL	0.165	10.98	275.2	179.5	0	282.26
Stage2	-4.65	318.748	104.829	UL-RL	0.165	10.98	275.2	183.5	0	288.329
Stage2	-5.05	325.12	106.9	UL-RL	0.165	10.98	275.2	187.5	0	294.4
Stage2	-5.45	331.494	108.972	UL-RL	0.165	10.98	275.2	191.5	0	300.472
Stage2	-5.85	337.869	111.046	UL-RL	0.165	10.98	275.2	195.5	0	306.546
Stage2	-6.25	344.411	113.12	UL-RL	0.165	10.98	275.2	199.5	0	312.62
Stage2	-6.65	350.784	115.197	UL-RL	0.165	10.98	275.2	203.5	0	318.697
Stage2	-7.05	357.158	117.274	UL-RL	0.165	10.98	275.2	207.5	0	324.774
Stage2	-7.45	363.534	119.352	UL-RL	0.165	10.98	275.2	211.5	0	330.852
Stage2	-7.85	369.91	121.432	UL-RL	0.165	10.98	275.2	215.5	0	336.932
Stage2	-8.25	376.286	123.513	UL-RL	0.165	10.98	275.2	219.5	0	343.013
Stage2	-8.65	382.664	125.595	UL-RL	0.165	10.98	275.2	223.5	0	349.095

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: RIGHT		Lato RIGHT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
			Sigma H (kPa)	Stato	Ka	Kp					
Stage2	-9.05	389.042	127.679	UL-RL 0.165 10.98	0.165	10.98	275.2	227.5	0	0	355.179
Stage2	-9.45	395.421	129.764	UL-RL 0.165 10.98	0.165	10.98	275.2	231.5	0	0	361.264
Stage2	-9.85	401.801	131.849	UL-RL 0.165 10.98	0.165	10.98	275.2	235.5	0	0	367.349
Stage2	-10.25	408.181	133.936	UL-RL 0.165 10.98	0.165	10.98	275.2	239.5	0	0	373.436
Stage2	-10.65	414.561	136.024	UL-RL 0.165 10.98	0.165	10.98	275.2	243.5	0	0	379.524
Stage2	-11.05	421.08	138.114	UL-RL 0.165 10.98	0.165	10.98	275.2	247.5	0	0	385.614
Stage2	-11.45	427.46	140.204	UL-RL 0.165 10.98	0.165	10.98	275.2	251.5	0	0	391.704
Stage2	-11.85	433.84	142.295	UL-RL 0.165 10.98	0.165	10.98	275.2	255.5	0	0	397.795
Stage2	-12.25	440.221	144.388	UL-RL 0.165 10.98	0.165	10.98	275.2	259.5	0	0	403.888
Stage2	-12.65	446.602	146.482	UL-RL 0.165 10.98	0.165	10.98	275.2	263.5	0	0	409.982
Stage2	-13.05	452.984	148.576	UL-RL 0.165 10.98	0.165	10.98	275.2	267.5	0	0	416.076
Stage2	-13.45	459.367	150.672	UL-RL 0.165 10.98	0.165	10.98	275.2	271.5	0	0	422.172
Stage2	-13.85	465.75	152.769	UL-RL 0.165 10.98	0.165	10.98	275.2	275.5	0	0	428.269
Stage2	-14.25	472.133	154.866	UL-RL 0.165 10.98	0.165	10.98	275.2	279.5	0	0	434.366
Stage2	-14.65	478.517	156.965	UL-RL 0.165 10.98	0.165	10.98	275.2	283.5	0	0	440.465
Stage2	-15.05	484.901	159.065	UL-RL 0.165 10.98	0.165	10.98	275.2	287.5	0	0	446.565
Stage2	-15.45	491.404	161.166	UL-RL 0.165 10.98	0.165	10.98	275.2	291.5	0	0	452.666
Stage2	-15.85	497.787	163.267	UL-RL 0.165 10.98	0.165	10.98	275.2	295.5	0	0	458.767
Stage2	-16.25	504.171	165.37	UL-RL 0.165 10.98	0.165	10.98	275.2	299.5	0	0	464.87
Stage2	-16.65	510.555	167.474	UL-RL 0.165 10.98	0.165	10.98	275.2	303.5	0	0	470.973
Stage2	-17.05	516.94	169.578	UL-RL 0.165 10.98	0.165	10.98	275.2	307.5	0	0	477.078
Stage2	-17.3	520.972	170.894	UL-RL 0.165 10.98	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage3

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	15.7	0	16.274	V-C	0.433	2.529	11.2	0	0	16.274
Stage3	15.35	17.456	3.779	UL-RL	0.433	2.529	11.2	0	0	3.779
Stage3	14.95	29.031	0	ACTIVE	0.433	2.529	11.2	0	0	0
Stage3	14.55	38.71	2.022	ACTIVE	0.433	2.529	11.2	0	0	2.022
Stage3	14.15	47.458	5.809	ACTIVE	0.433	2.529	11.2	0	0	5.809
Stage3	13.75	56.076	9.541	ACTIVE	0.433	2.529	11.2	0	0	9.541
Stage3	13.35	64.812	13.324	ACTIVE	0.433	2.529	11.2	0	0	13.324
Stage3	12.95	73.334	17.014	ACTIVE	0.433	2.529	11.2	0	0	17.014
Stage3	12.55	81.714	20.642	ACTIVE	0.433	2.529	11.2	0	0	20.642
Stage3	12.15	88.736	23.683	ACTIVE	0.433	2.529	11.2	0	0	23.683
Stage3	11.75	96.155	26.896	ACTIVE	0.433	2.529	11.2	0	0	26.896
Stage3	11.35	103.84	30.223	ACTIVE	0.433	2.529	11.2	0	0	30.223
Stage3	10.95	111.571	33.57	ACTIVE	0.433	2.529	11.2	0	0	33.57
Stage3	10.55	119.338	36.934	ACTIVE	0.433	2.529	11.2	0	0	36.934
Stage3	10.15	124.189	39.034	ACTIVE	0.433	2.529	11.2	2.945	0.018	41.979
Stage3	9.95	126.443	40.01	ACTIVE	0.433	2.529	11.2	4.908	0.018	44.918
Stage3	9.55	130.329	41.692	ACTIVE	0.433	2.529	11.2	8.835	0.018	50.527
Stage3	9.15	134.235	47.308	UL-RL	0.433	2.529	11.2	12.761	0.018	60.069
Stage3	8.75	138.458	0	ACTIVE	0.165	10.98	275.2	16.688	0.018	16.688
Stage3	8.35	144.796	0	ACTIVE	0.165	10.98	275.2	20.615	0.018	20.615
Stage3	7.95	151.146	53.578	UL-RL	0.165	10.98	275.2	24.541	0.018	78.119
Stage3	7.55	157.508	106.699	V-C	0.165	10.98	275.2	28.468	0.018	135.167
Stage3	7.15	163.879	81.27	V-C	0.165	10.98	275.2	32.394	0.018	113.664
Stage3	6.75	170.259	51.237	UL-RL	0.165	10.98	275.2	36.321	0.018	87.558
Stage3	6.35	176.646	36.429	UL-RL	0.165	10.98	275.2	40.248	0.018	76.677
Stage3	5.95	183.039	33.86	UL-RL	0.165	10.98	275.2	44.174	0.018	78.034
Stage3	5.55	189.796	36.643	UL-RL	0.165	10.98	275.2	48.101	0.018	84.743
Stage3	5.15	196.187	40.437	UL-RL	0.165	10.98	275.2	52.028	0.018	92.464
Stage3	4.75	202.584	43.695	UL-RL	0.165	10.98	275.2	55.954	0.018	99.65
Stage3	4.35	208.986	46.315	UL-RL	0.165	10.98	275.2	59.881	0.018	106.196
Stage3	3.95	215.393	48.589	UL-RL	0.165	10.98	275.2	63.807	0.018	112.396
Stage3	3.55	221.804	50.756	UL-RL	0.165	10.98	275.2	67.734	0.018	118.49
Stage3	3.15	228.219	52.924	UL-RL	0.165	10.98	275.2	71.661	0.018	124.584
Stage3	2.75	234.637	55.115	UL-RL	0.165	10.98	275.2	75.587	0.018	130.702
Stage3	2.35	241.058	57.321	UL-RL	0.165	10.98	275.2	79.514	0.018	136.835
Stage3	1.95	247.482	59.53	UL-RL	0.165	10.98	275.2	83.44	0.018	142.971
Stage3	1.55	253.908	61.737	UL-RL	0.165	10.98	275.2	87.367	0.018	149.104
Stage3	1.15	260.337	63.939	UL-RL	0.165	10.98	275.2	91.294	0.018	155.233
Stage3	0.75	267.013	66.139	UL-RL	0.165	10.98	275.2	95.22	0.018	161.359
Stage3	0.35	273.44	68.336	UL-RL	0.165	10.98	275.2	99.147	0.018	167.482
Stage3	-0.05	279.87	70.531	UL-RL	0.165	10.98	275.2	103.073	0.018	173.604
Stage3	-0.45	286.301	72.725	UL-RL	0.165	10.98	275.2	107	0.018	179.725
Stage3	-0.85	292.735	74.918	UL-RL	0.165	10.98	275.2	110.927	0.018	185.844
Stage3	-1.25	299.17	77.11	UL-RL	0.165	10.98	275.2	114.853	0.018	191.963
Stage3	-1.45	302.494	78.206	UL-RL	0.165	10.98	275.2	116.816	0.018	195.022
Stage3	-1.85	308.93	80.397	UL-RL	0.165	10.98	275.2	120.743	0.018	201.14
Stage3	-2.25	315.367	82.588	UL-RL	0.165	10.98	275.2	124.67	0.018	207.258
Stage3	-2.65	321.806	84.779	UL-RL	0.165	10.98	275.2	128.596	0.018	213.376
Stage3	-3.05	328.246	86.97	UL-RL	0.165	10.98	275.2	132.523	0.018	219.493
Stage3	-3.45	334.687	89.161	UL-RL	0.165	10.98	275.2	136.45	0.018	225.611
Stage3	-3.85	341.13	91.352	UL-RL	0.165	10.98	275.2	140.376	0.018	231.728
Stage3	-4.25	347.574	93.543	UL-RL	0.165	10.98	275.2	144.303	0.018	237.846
Stage3	-4.65	354.018	95.735	UL-RL	0.165	10.98	275.2	148.229	0.018	243.964
Stage3	-5.05	360.464	97.927	UL-RL	0.165	10.98	275.2	152.156	0.018	250.083
Stage3	-5.45	366.912	100.119	UL-RL	0.165	10.98	275.2	156.083	0.018	256.202
Stage3	-5.85	373.359	102.312	UL-RL	0.165	10.98	275.2	160.009	0.018	262.321
Stage3	-6.25	379.975	104.506	UL-RL	0.165	10.98	275.2	163.936	0.018	268.441
Stage3	-6.65	386.422	106.7	UL-RL	0.165	10.98	275.2	167.862	0.018	274.562
Stage3	-7.05	392.87	108.894	UL-RL	0.165	10.98	275.2	171.789	0.018	280.683
Stage3	-7.45	399.318	111.089	UL-RL	0.165	10.98	275.2	175.716	0.018	286.805

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-7.85	405.768	113.285	UL-RL	0.165	10.98	275.2	179.642	0.018	0	292.927
Stage3	-8.25	412.218	115.482	UL-RL	0.165	10.98	275.2	183.569	0.018	0	299.05
Stage3	-8.65	418.668	117.679	UL-RL	0.165	10.98	275.2	187.495	0.018	0	305.174
Stage3	-9.05	425.12	119.877	UL-RL	0.165	10.98	275.2	191.422	0.018	0	311.299
Stage3	-9.45	431.572	122.076	UL-RL	0.165	10.98	275.2	195.349	0.018	0	317.424
Stage3	-9.85	438.025	124.275	UL-RL	0.165	10.98	275.2	199.275	0.018	0	323.55
Stage3	-10.25	444.479	126.475	UL-RL	0.165	10.98	275.2	203.202	0.018	0	329.677
Stage3	-10.65	450.933	128.676	UL-RL	0.165	10.98	275.2	207.128	0.018	0	335.805
Stage3	-11.05	457.525	130.878	UL-RL	0.165	10.98	275.2	211.055	0.018	0	341.933
Stage3	-11.45	463.978	133.081	UL-RL	0.165	10.98	275.2	214.982	0.018	0	348.062
Stage3	-11.85	470.432	135.284	UL-RL	0.165	10.98	275.2	218.908	0.018	0	354.192
Stage3	-12.25	476.886	137.488	UL-RL	0.165	10.98	275.2	222.835	0.018	0	360.323
Stage3	-12.65	483.341	139.693	UL-RL	0.165	10.98	275.2	226.762	0.018	0	366.455
Stage3	-13.05	489.796	141.899	UL-RL	0.165	10.98	275.2	230.688	0.018	0	372.587
Stage3	-13.45	496.252	144.105	UL-RL	0.165	10.98	275.2	234.615	0.018	0	378.72
Stage3	-13.85	502.709	146.313	UL-RL	0.165	10.98	275.2	238.541	0.018	0	384.854
Stage3	-14.25	509.165	148.521	UL-RL	0.165	10.98	275.2	242.468	0.018	0	390.989
Stage3	-14.65	515.622	150.729	UL-RL	0.165	10.98	275.2	246.394	0.018	0	397.124
Stage3	-15.05	522.08	152.939	UL-RL	0.165	10.98	275.2	250.321	0.018	0	403.26
Stage3	-15.45	528.656	155.149	UL-RL	0.165	10.98	275.2	254.248	0.018	0	409.397
Stage3	-15.85	535.113	157.36	UL-RL	0.165	10.98	275.2	258.174	0.018	0	415.535
Stage3	-16.25	541.57	159.572	UL-RL	0.165	10.98	275.2	262.101	0.018	0	421.673
Stage3	-16.65	548.028	161.785	UL-RL	0.165	10.98	275.2	266.027	0.018	0	427.812
Stage3	-17.05	554.486	163.998	UL-RL	0.165	10.98	275.2	269.954	0.018	0	433.952
Stage3	-17.3	558.564	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.15	2.945	43.07	PASSIVE	0.433	2.529	11.2	3.055	0.018	0	46.125
Stage3	8.75	7.172	395.116	V-C	0.165	10.98	275.2	7.128	0.018	0	402.245
Stage3	8.35	13.498	130.707	V-C	0.165	10.98	275.2	11.202	0.018	0	141.909
Stage3	7.95	19.825	22.667	UL-RL	0.165	10.98	275.2	15.275	0.018	0	37.942
Stage3	7.55	26.151	4.695	UL-RL	0.165	10.98	275.2	19.349	0.018	0	24.044
Stage3	7.15	32.478	18.302	UL-RL	0.165	10.98	275.2	23.422	0.018	0	41.724
Stage3	6.75	38.805	33.671	UL-RL	0.165	10.98	275.2	27.495	0.018	0	61.166
Stage3	6.35	45.131	42.82	UL-RL	0.165	10.98	275.2	31.569	0.018	0	74.389
Stage3	5.95	51.458	46.976	UL-RL	0.165	10.98	275.2	35.642	0.018	0	82.618
Stage3	5.55	57.784	48.932	UL-RL	0.165	10.98	275.2	39.716	0.018	0	88.648
Stage3	5.15	64.111	50.45	UL-RL	0.165	10.98	275.2	43.789	0.018	0	94.239
Stage3	4.75	70.438	52.162	UL-RL	0.165	10.98	275.2	47.862	0.018	0	100.024
Stage3	4.35	76.764	54.113	UL-RL	0.165	10.98	275.2	51.936	0.018	0	106.049
Stage3	3.95	83.091	56.19	UL-RL	0.165	10.98	275.2	56.009	0.018	0	112.199
Stage3	3.55	89.417	58.297	UL-RL	0.165	10.98	275.2	60.083	0.018	0	118.38
Stage3	3.15	95.744	60.395	UL-RL	0.165	10.98	275.2	64.156	0.018	0	124.55
Stage3	2.75	102.071	62.474	UL-RL	0.165	10.98	275.2	68.229	0.018	0	130.703
Stage3	2.35	108.397	64.541	UL-RL	0.165	10.98	275.2	72.303	0.018	0	136.844
Stage3	1.95	114.724	66.601	UL-RL	0.165	10.98	275.2	76.376	0.018	0	142.977
Stage3	1.55	121.05	68.657	UL-RL	0.165	10.98	275.2	80.45	0.018	0	149.106
Stage3	1.15	127.377	70.71	UL-RL	0.165	10.98	275.2	84.523	0.018	0	155.233
Stage3	0.75	133.704	72.762	UL-RL	0.165	10.98	275.2	88.596	0.018	0	161.358
Stage3	0.35	140.03	74.812	UL-RL	0.165	10.98	275.2	92.67	0.018	0	167.482
Stage3	-0.05	146.357	76.861	UL-RL	0.165	10.98	275.2	96.743	0.018	0	173.604
Stage3	-0.45	152.684	78.908	UL-RL	0.165	10.98	275.2	100.816	0.018	0	179.725
Stage3	-0.85	159.01	80.954	UL-RL	0.165	10.98	275.2	104.89	0.018	0	185.844
Stage3	-1.25	165.337	83	UL-RL	0.165	10.98	275.2	108.963	0.018	0	191.963
Stage3	-1.45	168.5	84.022	UL-RL	0.165	10.98	275.2	111	0.018	0	195.022
Stage3	-1.85	174.827	86.067	UL-RL	0.165	10.98	275.2	115.073	0.018	0	201.14
Stage3	-2.25	181.153	88.111	UL-RL	0.165	10.98	275.2	119.147	0.018	0	207.258
Stage3	-2.65	187.48	90.155	UL-RL	0.165	10.98	275.2	123.22	0.018	0	213.376
Stage3	-3.05	193.806	92.2	UL-RL	0.165	10.98	275.2	127.294	0.018	0	219.493
Stage3	-3.45	200.133	94.244	UL-RL	0.165	10.98	275.2	131.367	0.018	0	225.611
Stage3	-3.85	206.46	96.288	UL-RL	0.165	10.98	275.2	135.44	0.018	0	231.728
Stage3	-4.25	212.786	98.332	UL-RL	0.165	10.98	275.2	139.514	0.018	0	237.846
Stage3	-4.65	219.113	100.377	UL-RL	0.165	10.98	275.2	143.587	0.018	0	243.964
Stage3	-5.05	225.44	102.422	UL-RL	0.165	10.98	275.2	147.661	0.018	0	250.083
Stage3	-5.45	231.766	104.468	UL-RL	0.165	10.98	275.2	151.734	0.018	0	256.202
Stage3	-5.85	238.093	106.514	UL-RL	0.165	10.98	275.2	155.807	0.018	0	262.321
Stage3	-6.25	244.419	108.561	UL-RL	0.165	10.98	275.2	159.881	0.018	0	268.441
Stage3	-6.65	250.746	110.608	UL-RL	0.165	10.98	275.2	163.954	0.018	0	274.562
Stage3	-7.05	257.072	112.656	UL-RL	0.165	10.98	275.2	168.028	0.018	0	280.683
Stage3	-7.45	263.399	114.704	UL-RL	0.165	10.98	275.2	172.101	0.018	0	286.805
Stage3	-7.85	269.726	116.753	UL-RL	0.165	10.98	275.2	176.174	0.018	0	292.927
Stage3	-8.25	276.052	118.803	UL-RL	0.165	10.98	275.2	180.248	0.018	0	299.05
Stage3	-8.65	282.379	120.853	UL-RL	0.165	10.98	275.2	184.321	0.018	0	305.174

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-9.05	288.706	122.904	UL-RL	0.165	10.98	275.2	188.394	0.018	0	311.299
Stage3	-9.45	295.032	124.956	UL-RL	0.165	10.98	275.2	192.468	0.018	0	317.424
Stage3	-9.85	301.359	127.009	UL-RL	0.165	10.98	275.2	196.541	0.018	0	323.55
Stage3	-10.25	307.685	129.062	UL-RL	0.165	10.98	275.2	200.615	0.018	0	329.677
Stage3	-10.65	314.012	131.117	UL-RL	0.165	10.98	275.2	204.688	0.018	0	335.805
Stage3	-11.05	320.338	133.172	UL-RL	0.165	10.98	275.2	208.762	0.018	0	341.933
Stage3	-11.45	326.665	135.228	UL-RL	0.165	10.98	275.2	212.835	0.018	0	348.062
Stage3	-11.85	332.992	137.284	UL-RL	0.165	10.98	275.2	216.908	0.018	0	354.192
Stage3	-12.25	339.318	139.341	UL-RL	0.165	10.98	275.2	220.982	0.018	0	360.323
Stage3	-12.65	345.645	141.4	UL-RL	0.165	10.98	275.2	225.055	0.018	0	366.455
Stage3	-13.05	351.972	143.458	UL-RL	0.165	10.98	275.2	229.128	0.018	0	372.587
Stage3	-13.45	358.298	145.518	UL-RL	0.165	10.98	275.2	233.202	0.018	0	378.72
Stage3	-13.85	364.625	147.579	UL-RL	0.165	10.98	275.2	237.275	0.018	0	384.854
Stage3	-14.25	370.951	149.64	UL-RL	0.165	10.98	275.2	241.349	0.018	0	390.989
Stage3	-14.65	377.278	151.702	UL-RL	0.165	10.98	275.2	245.422	0.018	0	397.124
Stage3	-15.05	383.604	153.765	UL-RL	0.165	10.98	275.2	249.495	0.018	0	403.26
Stage3	-15.45	389.931	155.828	UL-RL	0.165	10.98	275.2	253.569	0.018	0	409.397
Stage3	-15.85	396.258	157.893	UL-RL	0.165	10.98	275.2	257.642	0.018	0	415.535
Stage3	-16.25	402.584	159.958	UL-RL	0.165	10.98	275.2	261.716	0.018	0	421.673
Stage3	-16.65	408.911	162.024	UL-RL	0.165	10.98	275.2	265.789	0.018	0	427.812
Stage3	-17.05	415.238	164.09	UL-RL	0.165	10.98	275.2	269.862	0.018	0	433.952
Stage3	-17.3	419.192	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage3

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.15	2.945	43.07	PASSIVE	0.433	2.529	11.2	3.055	0.018	0	46.125
Stage3	8.75	7.172	395.116	V-C	0.165	10.98	275.2	7.128	0.018	0	402.245
Stage3	8.35	13.498	130.707	V-C	0.165	10.98	275.2	11.202	0.018	0	141.909
Stage3	7.95	19.825	22.667	UL-RL	0.165	10.98	275.2	15.275	0.018	0	37.942
Stage3	7.55	26.151	4.695	UL-RL	0.165	10.98	275.2	19.349	0.018	0	24.044
Stage3	7.15	32.478	18.302	UL-RL	0.165	10.98	275.2	23.422	0.018	0	41.724
Stage3	6.75	38.805	33.671	UL-RL	0.165	10.98	275.2	27.495	0.018	0	61.166
Stage3	6.35	45.131	42.82	UL-RL	0.165	10.98	275.2	31.569	0.018	0	74.389
Stage3	5.95	51.458	46.976	UL-RL	0.165	10.98	275.2	35.642	0.018	0	82.618
Stage3	5.55	57.784	48.932	UL-RL	0.165	10.98	275.2	39.716	0.018	0	88.648
Stage3	5.15	64.111	50.45	UL-RL	0.165	10.98	275.2	43.789	0.018	0	94.239
Stage3	4.75	70.438	52.162	UL-RL	0.165	10.98	275.2	47.862	0.018	0	100.024
Stage3	4.35	76.764	54.113	UL-RL	0.165	10.98	275.2	51.936	0.018	0	106.049
Stage3	3.95	83.091	56.19	UL-RL	0.165	10.98	275.2	56.009	0.018	0	112.199
Stage3	3.55	89.417	58.297	UL-RL	0.165	10.98	275.2	60.083	0.018	0	118.38
Stage3	3.15	95.744	60.395	UL-RL	0.165	10.98	275.2	64.156	0.018	0	124.55
Stage3	2.75	102.071	62.474	UL-RL	0.165	10.98	275.2	68.229	0.018	0	130.703
Stage3	2.35	108.397	64.541	UL-RL	0.165	10.98	275.2	72.303	0.018	0	136.844
Stage3	1.95	114.724	66.601	UL-RL	0.165	10.98	275.2	76.376	0.018	0	142.977
Stage3	1.55	121.05	68.657	UL-RL	0.165	10.98	275.2	80.45	0.018	0	149.106
Stage3	1.15	127.377	70.71	UL-RL	0.165	10.98	275.2	84.523	0.018	0	155.233
Stage3	0.75	133.704	72.762	UL-RL	0.165	10.98	275.2	88.596	0.018	0	161.358
Stage3	0.35	140.03	74.812	UL-RL	0.165	10.98	275.2	92.67	0.018	0	167.482
Stage3	-0.05	146.357	76.861	UL-RL	0.165	10.98	275.2	96.743	0.018	0	173.604
Stage3	-0.45	152.684	78.908	UL-RL	0.165	10.98	275.2	100.816	0.018	0	179.725
Stage3	-0.85	159.01	80.954	UL-RL	0.165	10.98	275.2	104.89	0.018	0	185.844
Stage3	-1.25	165.337	83	UL-RL	0.165	10.98	275.2	108.963	0.018	0	191.963
Stage3	-1.45	168.5	84.022	UL-RL	0.165	10.98	275.2	111	0.018	0	195.022
Stage3	-1.85	174.827	86.067	UL-RL	0.165	10.98	275.2	115.073	0.018	0	201.14
Stage3	-2.25	181.153	88.111	UL-RL	0.165	10.98	275.2	119.147	0.018	0	207.258
Stage3	-2.65	187.48	90.155	UL-RL	0.165	10.98	275.2	123.22	0.018	0	213.376
Stage3	-3.05	193.806	92.2	UL-RL	0.165	10.98	275.2	127.294	0.018	0	219.493
Stage3	-3.45	200.133	94.244	UL-RL	0.165	10.98	275.2	131.367	0.018	0	225.611
Stage3	-3.85	206.46	96.288	UL-RL	0.165	10.98	275.2	135.44	0.018	0	231.728
Stage3	-4.25	212.786	98.332	UL-RL	0.165	10.98	275.2	139.514	0.018	0	237.846
Stage3	-4.65	219.113	100.377	UL-RL	0.165	10.98	275.2	143.587	0.018	0	243.964
Stage3	-5.05	225.44	102.422	UL-RL	0.165	10.98	275.2	147.661	0.018	0	250.083
Stage3	-5.45	231.766	104.468	UL-RL	0.165	10.98	275.2	151.734	0.018	0	256.202
Stage3	-5.85	238.093	106.514	UL-RL	0.165	10.98	275.2	155.807	0.018	0	262.321
Stage3	-6.25	244.419	108.561	UL-RL	0.165	10.98	275.2	159.881	0.018	0	268.441
Stage3	-6.65	250.746	110.608	UL-RL	0.165	10.98	275.2	163.954	0.018	0	274.562
Stage3	-7.05	257.072	112.656	UL-RL	0.165	10.98	275.2	168.028	0.018	0	280.683
Stage3	-7.45	263.399	114.704	UL-RL	0.165	10.98	275.2	172.101	0.018	0	286.805

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT	Lato		LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-7.85	269.726	116.753	UL-RL	0.165	10.98	275.2	176.174	0.018	0	292.927
Stage3	-8.25	276.052	118.803	UL-RL	0.165	10.98	275.2	180.248	0.018	0	299.05
Stage3	-8.65	282.379	120.853	UL-RL	0.165	10.98	275.2	184.321	0.018	0	305.174
Stage3	-9.05	288.706	122.904	UL-RL	0.165	10.98	275.2	188.394	0.018	0	311.299
Stage3	-9.45	295.032	124.956	UL-RL	0.165	10.98	275.2	192.468	0.018	0	317.424
Stage3	-9.85	301.359	127.009	UL-RL	0.165	10.98	275.2	196.541	0.018	0	323.55
Stage3	-10.25	307.685	129.062	UL-RL	0.165	10.98	275.2	200.615	0.018	0	329.677
Stage3	-10.65	314.012	131.117	UL-RL	0.165	10.98	275.2	204.688	0.018	0	335.805
Stage3	-11.05	320.338	133.172	UL-RL	0.165	10.98	275.2	208.762	0.018	0	341.933
Stage3	-11.45	326.665	135.228	UL-RL	0.165	10.98	275.2	212.835	0.018	0	348.062
Stage3	-11.85	332.992	137.284	UL-RL	0.165	10.98	275.2	216.908	0.018	0	354.192
Stage3	-12.25	339.318	139.341	UL-RL	0.165	10.98	275.2	220.982	0.018	0	360.323
Stage3	-12.65	345.645	141.4	UL-RL	0.165	10.98	275.2	225.055	0.018	0	366.455
Stage3	-13.05	351.972	143.458	UL-RL	0.165	10.98	275.2	229.128	0.018	0	372.587
Stage3	-13.45	358.298	145.518	UL-RL	0.165	10.98	275.2	233.202	0.018	0	378.72
Stage3	-13.85	364.625	147.579	UL-RL	0.165	10.98	275.2	237.275	0.018	0	384.854
Stage3	-14.25	370.951	149.64	UL-RL	0.165	10.98	275.2	241.349	0.018	0	390.989
Stage3	-14.65	377.278	151.702	UL-RL	0.165	10.98	275.2	245.422	0.018	0	397.124
Stage3	-15.05	383.604	153.765	UL-RL	0.165	10.98	275.2	249.495	0.018	0	403.26
Stage3	-15.45	389.931	155.828	UL-RL	0.165	10.98	275.2	253.569	0.018	0	409.397
Stage3	-15.85	396.258	157.893	UL-RL	0.165	10.98	275.2	257.642	0.018	0	415.535
Stage3	-16.25	402.584	159.958	UL-RL	0.165	10.98	275.2	261.716	0.018	0	421.673
Stage3	-16.65	408.911	162.024	UL-RL	0.165	10.98	275.2	265.789	0.018	0	427.812
Stage3	-17.05	415.238	164.09	UL-RL	0.165	10.98	275.2	269.862	0.018	0	433.952
Stage3	-17.3	419.192	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	15.7	0	16.274	V-C	0.433	2.529	11.2	0	0	16.274
Stage3	15.35	17.456	3.779	UL-RL	0.433	2.529	11.2	0	0	3.779
Stage3	14.95	29.031	0	ACTIVE	0.433	2.529	11.2	0	0	0
Stage3	14.55	38.71	2.022	ACTIVE	0.433	2.529	11.2	0	0	2.022
Stage3	14.15	47.458	5.809	ACTIVE	0.433	2.529	11.2	0	0	5.809
Stage3	13.75	56.076	9.541	ACTIVE	0.433	2.529	11.2	0	0	9.541
Stage3	13.35	64.812	13.324	ACTIVE	0.433	2.529	11.2	0	0	13.324
Stage3	12.95	73.334	17.014	ACTIVE	0.433	2.529	11.2	0	0	17.014
Stage3	12.55	81.714	20.642	ACTIVE	0.433	2.529	11.2	0	0	20.642
Stage3	12.15	88.736	23.683	ACTIVE	0.433	2.529	11.2	0	0	23.683
Stage3	11.75	96.155	26.896	ACTIVE	0.433	2.529	11.2	0	0	26.896
Stage3	11.35	103.84	30.223	ACTIVE	0.433	2.529	11.2	0	0	30.223
Stage3	10.95	111.571	33.57	ACTIVE	0.433	2.529	11.2	0	0	33.57
Stage3	10.55	119.338	36.934	ACTIVE	0.433	2.529	11.2	0	0	36.934
Stage3	10.15	124.189	39.034	ACTIVE	0.433	2.529	11.2	2.945	0.018	41.979
Stage3	9.95	126.443	40.01	ACTIVE	0.433	2.529	11.2	4.908	0.018	44.918
Stage3	9.55	130.329	41.692	ACTIVE	0.433	2.529	11.2	8.835	0.018	50.527
Stage3	9.15	134.235	47.308	UL-RL	0.433	2.529	11.2	12.761	0.018	60.069
Stage3	8.75	138.458	0	ACTIVE	0.165	10.98	275.2	16.688	0.018	16.688
Stage3	8.35	144.796	0	ACTIVE	0.165	10.98	275.2	20.615	0.018	20.615
Stage3	7.95	151.146	53.578	UL-RL	0.165	10.98	275.2	24.541	0.018	78.119
Stage3	7.55	157.508	106.699	V-C	0.165	10.98	275.2	28.468	0.018	135.167
Stage3	7.15	163.879	81.27	V-C	0.165	10.98	275.2	32.394	0.018	113.664
Stage3	6.75	170.259	51.237	UL-RL	0.165	10.98	275.2	36.321	0.018	87.558
Stage3	6.35	176.646	36.429	UL-RL	0.165	10.98	275.2	40.248	0.018	76.677
Stage3	5.95	183.039	33.86	UL-RL	0.165	10.98	275.2	44.174	0.018	78.034
Stage3	5.55	189.796	36.643	UL-RL	0.165	10.98	275.2	48.101	0.018	84.743
Stage3	5.15	196.187	40.437	UL-RL	0.165	10.98	275.2	52.028	0.018	92.464
Stage3	4.75	202.584	43.695	UL-RL	0.165	10.98	275.2	55.954	0.018	99.65
Stage3	4.35	208.986	46.315	UL-RL	0.165	10.98	275.2	59.881	0.018	106.196
Stage3	3.95	215.393	48.589	UL-RL	0.165	10.98	275.2	63.807	0.018	112.396
Stage3	3.55	221.804	50.756	UL-RL	0.165	10.98	275.2	67.734	0.018	118.49
Stage3	3.15	228.219	52.924	UL-RL	0.165	10.98	275.2	71.661	0.018	124.584
Stage3	2.75	234.637	55.115	UL-RL	0.165	10.98	275.2	75.587	0.018	130.702
Stage3	2.35	241.058	57.321	UL-RL	0.165	10.98	275.2	79.514	0.018	136.835
Stage3	1.95	247.482	59.53	UL-RL	0.165	10.98	275.2	83.44	0.018	142.971
Stage3	1.55	253.908	61.737	UL-RL	0.165	10.98	275.2	87.367	0.018	149.104
Stage3	1.15	260.337	63.939	UL-RL	0.165	10.98	275.2	91.294	0.018	155.233
Stage3	0.75	267.013	66.139	UL-RL	0.165	10.98	275.2	95.22	0.018	161.359
Stage3	0.35	273.44	68.336	UL-RL	0.165	10.98	275.2	99.147	0.018	167.482
Stage3	-0.05	279.87	70.531	UL-RL	0.165	10.98	275.2	103.073	0.018	173.604
Stage3	-0.45	286.301	72.725	UL-RL	0.165	10.98	275.2	107	0.018	179.725
Stage3	-0.85	292.735	74.918	UL-RL	0.165	10.98	275.2	110.927	0.018	185.844
Stage3	-1.25	299.17	77.11	UL-RL	0.165	10.98	275.2	114.853	0.018	191.963
Stage3	-1.45	302.494	78.206	UL-RL	0.165	10.98	275.2	116.816	0.018	195.022
Stage3	-1.85	308.93	80.397	UL-RL	0.165	10.98	275.2	120.743	0.018	201.14
Stage3	-2.25	315.367	82.588	UL-RL	0.165	10.98	275.2	124.67	0.018	207.258
Stage3	-2.65	321.806	84.779	UL-RL	0.165	10.98	275.2	128.596	0.018	213.376
Stage3	-3.05	328.246	86.97	UL-RL	0.165	10.98	275.2	132.523	0.018	219.493
Stage3	-3.45	334.687	89.161	UL-RL	0.165	10.98	275.2	136.45	0.018	225.611
Stage3	-3.85	341.13	91.352	UL-RL	0.165	10.98	275.2	140.376	0.018	231.728
Stage3	-4.25	347.574	93.543	UL-RL	0.165	10.98	275.2	144.303	0.018	237.846
Stage3	-4.65	354.018	95.735	UL-RL	0.165	10.98	275.2	148.229	0.018	243.964
Stage3	-5.05	360.464	97.927	UL-RL	0.165	10.98	275.2	152.156	0.018	250.083
Stage3	-5.45	366.912	100.119	UL-RL	0.165	10.98	275.2	156.083	0.018	256.202
Stage3	-5.85	373.359	102.312	UL-RL	0.165	10.98	275.2	160.009	0.018	262.321
Stage3	-6.25	379.975	104.506	UL-RL	0.165	10.98	275.2	163.936	0.018	268.441
Stage3	-6.65	386.422	106.7	UL-RL	0.165	10.98	275.2	167.862	0.018	274.562
Stage3	-7.05	392.87	108.894	UL-RL	0.165	10.98	275.2	171.789	0.018	280.683
Stage3	-7.45	399.318	111.089	UL-RL	0.165	10.98	275.2	175.716	0.018	286.805
Stage3	-7.85	405.768	113.285	UL-RL	0.165	10.98	275.2	179.642	0.018	292.927
Stage3	-8.25	412.218	115.482	UL-RL	0.165	10.98	275.2	183.569	0.018	299.05
Stage3	-8.65	418.668	117.679	UL-RL	0.165	10.98	275.2	187.495	0.018	305.174

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-9.05	425.12	119.877	UL-RL	0.165	10.98	275.2	191.422	0.018	0	311.299
Stage3	-9.45	431.572	122.076	UL-RL	0.165	10.98	275.2	195.349	0.018	0	317.424
Stage3	-9.85	438.025	124.275	UL-RL	0.165	10.98	275.2	199.275	0.018	0	323.55
Stage3	-10.25	444.479	126.475	UL-RL	0.165	10.98	275.2	203.202	0.018	0	329.677
Stage3	-10.65	450.933	128.676	UL-RL	0.165	10.98	275.2	207.128	0.018	0	335.805
Stage3	-11.05	457.525	130.878	UL-RL	0.165	10.98	275.2	211.055	0.018	0	341.933
Stage3	-11.45	463.978	133.081	UL-RL	0.165	10.98	275.2	214.982	0.018	0	348.062
Stage3	-11.85	470.432	135.284	UL-RL	0.165	10.98	275.2	218.908	0.018	0	354.192
Stage3	-12.25	476.886	137.488	UL-RL	0.165	10.98	275.2	222.835	0.018	0	360.323
Stage3	-12.65	483.341	139.693	UL-RL	0.165	10.98	275.2	226.762	0.018	0	366.455
Stage3	-13.05	489.796	141.899	UL-RL	0.165	10.98	275.2	230.688	0.018	0	372.587
Stage3	-13.45	496.252	144.105	UL-RL	0.165	10.98	275.2	234.615	0.018	0	378.72
Stage3	-13.85	502.709	146.313	UL-RL	0.165	10.98	275.2	238.541	0.018	0	384.854
Stage3	-14.25	509.165	148.521	UL-RL	0.165	10.98	275.2	242.468	0.018	0	390.989
Stage3	-14.65	515.622	150.729	UL-RL	0.165	10.98	275.2	246.394	0.018	0	397.124
Stage3	-15.05	522.08	152.939	UL-RL	0.165	10.98	275.2	250.321	0.018	0	403.26
Stage3	-15.45	528.656	155.149	UL-RL	0.165	10.98	275.2	254.248	0.018	0	409.397
Stage3	-15.85	535.113	157.36	UL-RL	0.165	10.98	275.2	258.174	0.018	0	415.535
Stage3	-16.25	541.57	159.572	UL-RL	0.165	10.98	275.2	262.101	0.018	0	421.673
Stage3	-16.65	548.028	161.785	UL-RL	0.165	10.98	275.2	266.027	0.018	0	427.812
Stage3	-17.05	554.486	163.998	UL-RL	0.165	10.98	275.2	269.954	0.018	0	433.952
Stage3	-17.3	558.564	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage4

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	16.274	UL-RL	0.433	2.529	11.2	0	0	0	16.274
Stage4	15.35	17.456	3.779	UL-RL	0.433	2.529	11.2	0	0	0	3.779
Stage4	14.95	29.031	0	UL-RL	0.433	2.529	11.2	0	0	0	0
Stage4	14.55	38.71	2.022	UL-RL	0.433	2.529	11.2	0	0	0	2.022
Stage4	14.15	47.458	5.809	UL-RL	0.433	2.529	11.2	0	0	0	5.809
Stage4	13.75	56.076	9.541	UL-RL	0.433	2.529	11.2	0	0	0	9.541
Stage4	13.35	64.812	13.324	UL-RL	0.433	2.529	11.2	0	0	0	13.324
Stage4	12.95	73.334	17.014	UL-RL	0.433	2.529	11.2	0	0	0	17.014
Stage4	12.55	81.714	20.642	UL-RL	0.433	2.529	11.2	0	0	0	20.642
Stage4	12.15	88.736	23.683	UL-RL	0.433	2.529	11.2	0	0	0	23.683
Stage4	11.75	96.155	26.896	UL-RL	0.433	2.529	11.2	0	0	0	26.896
Stage4	11.35	103.84	30.223	UL-RL	0.433	2.529	11.2	0	0	0	30.223
Stage4	10.95	111.571	33.57	UL-RL	0.433	2.529	11.2	0	0	0	33.57
Stage4	10.55	119.338	36.934	UL-RL	0.433	2.529	11.2	0	0	0	36.934
Stage4	10.15	124.189	39.034	UL-RL	0.433	2.529	11.2	2.945	0.018	0	41.979
Stage4	9.95	126.443	40.01	UL-RL	0.433	2.529	11.2	4.908	0.018	0	44.918
Stage4	9.55	130.329	41.692	UL-RL	0.433	2.529	11.2	8.835	0.018	0	50.527
Stage4	9.15	134.235	47.308	UL-RL	0.433	2.529	11.2	12.761	0.018	0	60.069
Stage4	8.75	138.458	0	UL-RL	0.165	10.98	275.2	16.688	0.018	0	16.688
Stage4	8.35	144.796	0	ACTIVE	0.165	10.98	275.2	20.615	0.018	0	20.615
Stage4	7.95	151.146	53.578	UL-RL	0.165	10.98	275.2	24.541	0.018	0	78.119
Stage4	7.55	157.508	106.699	UL-RL	0.165	10.98	275.2	28.468	0.018	0	135.167
Stage4	7.15	163.879	81.27	UL-RL	0.165	10.98	275.2	32.394	0.018	0	113.664
Stage4	6.75	170.259	51.237	UL-RL	0.165	10.98	275.2	36.321	0.018	0	87.558
Stage4	6.35	176.646	36.429	UL-RL	0.165	10.98	275.2	40.248	0.018	0	76.677
Stage4	5.95	183.039	33.86	UL-RL	0.165	10.98	275.2	44.174	0.018	0	78.034
Stage4	5.55	189.796	36.643	UL-RL	0.165	10.98	275.2	48.101	0.018	0	84.743
Stage4	5.15	196.187	40.437	UL-RL	0.165	10.98	275.2	52.028	0.018	0	92.464
Stage4	4.75	202.584	43.695	UL-RL	0.165	10.98	275.2	55.954	0.018	0	99.65
Stage4	4.35	208.986	46.315	UL-RL	0.165	10.98	275.2	59.881	0.018	0	106.196
Stage4	3.95	215.393	48.589	UL-RL	0.165	10.98	275.2	63.807	0.018	0	112.396
Stage4	3.55	221.804	50.756	UL-RL	0.165	10.98	275.2	67.734	0.018	0	118.49
Stage4	3.15	228.219	52.924	UL-RL	0.165	10.98	275.2	71.661	0.018	0	124.584
Stage4	2.75	234.637	55.115	UL-RL	0.165	10.98	275.2	75.587	0.018	0	130.702
Stage4	2.35	241.058	57.321	UL-RL	0.165	10.98	275.2	79.514	0.018	0	136.835
Stage4	1.95	247.482	59.53	UL-RL	0.165	10.98	275.2	83.44	0.018	0	142.971
Stage4	1.55	253.908	61.737	UL-RL	0.165	10.98	275.2	87.367	0.018	0	149.104
Stage4	1.15	260.337	63.939	UL-RL	0.165	10.98	275.2	91.294	0.018	0	155.233
Stage4	0.75	267.013	66.139	UL-RL	0.165	10.98	275.2	95.22	0.018	0	161.359
Stage4	0.35	273.44	68.336	UL-RL	0.165	10.98	275.2	99.147	0.018	0	167.482
Stage4	-0.05	279.87	70.531	UL-RL	0.165	10.98	275.2	103.073	0.018	0	173.604
Stage4	-0.45	286.301	72.725	UL-RL	0.165	10.98	275.2	107	0.018	0	179.725
Stage4	-0.85	292.735	74.918	UL-RL	0.165	10.98	275.2	110.927	0.018	0	185.844
Stage4	-1.25	299.17	77.11	UL-RL	0.165	10.98	275.2	114.853	0.018	0	191.963
Stage4	-1.45	302.494	78.206	UL-RL	0.165	10.98	275.2	116.816	0.018	0	195.022
Stage4	-1.85	308.93	80.397	UL-RL	0.165	10.98	275.2	120.743	0.018	0	201.14
Stage4	-2.25	315.367	82.588	UL-RL	0.165	10.98	275.2	124.67	0.018	0	207.258
Stage4	-2.65	321.806	84.779	UL-RL	0.165	10.98	275.2	128.596	0.018	0	213.376
Stage4	-3.05	328.246	86.97	UL-RL	0.165	10.98	275.2	132.523	0.018	0	219.493
Stage4	-3.45	334.687	89.161	UL-RL	0.165	10.98	275.2	136.45	0.018	0	225.611
Stage4	-3.85	341.13	91.352	UL-RL	0.165	10.98	275.2	140.376	0.018	0	231.728
Stage4	-4.25	347.574	93.543	UL-RL	0.165	10.98	275.2	144.303	0.018	0	237.846
Stage4	-4.65	354.018	95.735	UL-RL	0.165	10.98	275.2	148.229	0.018	0	243.964
Stage4	-5.05	360.464	97.927	UL-RL	0.165	10.98	275.2	152.156	0.018	0	250.083
Stage4	-5.45	366.912	100.119	UL-RL	0.165	10.98	275.2	156.083	0.018	0	256.202
Stage4	-5.85	373.359	102.312	UL-RL	0.165	10.98	275.2	160.009	0.018	0	262.321
Stage4	-6.25	379.975	104.506	UL-RL	0.165	10.98	275.2	163.936	0.018	0	268.441
Stage4	-6.65	386.422	106.7	UL-RL	0.165	10.98	275.2	167.862	0.018	0	274.562
Stage4	-7.05	392.87	108.894	UL-RL	0.165	10.98	275.2	171.789	0.018	0	280.683
Stage4	-7.45	399.318	111.089	UL-RL	0.165	10.98	275.2	175.716	0.018	0	286.805

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-7.85	405.768	113.285	UL-RL	0.165	10.98	275.2	179.642	0.018	0	292.927
Stage4	-8.25	412.218	115.482	UL-RL	0.165	10.98	275.2	183.569	0.018	0	299.05
Stage4	-8.65	418.668	117.679	UL-RL	0.165	10.98	275.2	187.495	0.018	0	305.174
Stage4	-9.05	425.12	119.877	UL-RL	0.165	10.98	275.2	191.422	0.018	0	311.299
Stage4	-9.45	431.572	122.076	UL-RL	0.165	10.98	275.2	195.349	0.018	0	317.424
Stage4	-9.85	438.025	124.275	UL-RL	0.165	10.98	275.2	199.275	0.018	0	323.55
Stage4	-10.25	444.479	126.475	UL-RL	0.165	10.98	275.2	203.202	0.018	0	329.677
Stage4	-10.65	450.933	128.676	UL-RL	0.165	10.98	275.2	207.128	0.018	0	335.805
Stage4	-11.05	457.525	130.878	UL-RL	0.165	10.98	275.2	211.055	0.018	0	341.933
Stage4	-11.45	463.978	133.081	UL-RL	0.165	10.98	275.2	214.982	0.018	0	348.062
Stage4	-11.85	470.432	135.284	UL-RL	0.165	10.98	275.2	218.908	0.018	0	354.192
Stage4	-12.25	476.886	137.488	UL-RL	0.165	10.98	275.2	222.835	0.018	0	360.323
Stage4	-12.65	483.341	139.693	UL-RL	0.165	10.98	275.2	226.762	0.018	0	366.455
Stage4	-13.05	489.796	141.899	UL-RL	0.165	10.98	275.2	230.688	0.018	0	372.587
Stage4	-13.45	496.252	144.105	UL-RL	0.165	10.98	275.2	234.615	0.018	0	378.72
Stage4	-13.85	502.709	146.313	UL-RL	0.165	10.98	275.2	238.541	0.018	0	384.854
Stage4	-14.25	509.165	148.521	UL-RL	0.165	10.98	275.2	242.468	0.018	0	390.989
Stage4	-14.65	515.622	150.729	UL-RL	0.165	10.98	275.2	246.394	0.018	0	397.124
Stage4	-15.05	522.08	152.939	UL-RL	0.165	10.98	275.2	250.321	0.018	0	403.26
Stage4	-15.45	528.656	155.149	UL-RL	0.165	10.98	275.2	254.248	0.018	0	409.397
Stage4	-15.85	535.113	157.36	UL-RL	0.165	10.98	275.2	258.174	0.018	0	415.535
Stage4	-16.25	541.57	159.572	UL-RL	0.165	10.98	275.2	262.101	0.018	0	421.673
Stage4	-16.65	548.028	161.785	UL-RL	0.165	10.98	275.2	266.027	0.018	0	427.812
Stage4	-17.05	554.486	163.998	UL-RL	0.165	10.98	275.2	269.954	0.018	0	433.952
Stage4	-17.3	558.564	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.15	2.945	43.07	UL-RL	0.433	2.529	11.2	3.055	0.018	0	46.125
Stage4	8.75	7.172	395.116	UL-RL	0.165	10.98	275.2	7.128	0.018	0	402.245
Stage4	8.35	13.498	130.707	V-C	0.165	10.98	275.2	11.202	0.018	0	141.909
Stage4	7.95	19.825	22.667	UL-RL	0.165	10.98	275.2	15.275	0.018	0	37.942
Stage4	7.55	26.151	4.695	UL-RL	0.165	10.98	275.2	19.349	0.018	0	24.044
Stage4	7.15	32.478	18.302	UL-RL	0.165	10.98	275.2	23.422	0.018	0	41.724
Stage4	6.75	38.805	33.671	UL-RL	0.165	10.98	275.2	27.495	0.018	0	61.166
Stage4	6.35	45.131	42.82	UL-RL	0.165	10.98	275.2	31.569	0.018	0	74.389
Stage4	5.95	51.458	46.976	UL-RL	0.165	10.98	275.2	35.642	0.018	0	82.618
Stage4	5.55	57.784	48.932	UL-RL	0.165	10.98	275.2	39.716	0.018	0	88.648
Stage4	5.15	64.111	50.45	UL-RL	0.165	10.98	275.2	43.789	0.018	0	94.239
Stage4	4.75	70.438	52.162	UL-RL	0.165	10.98	275.2	47.862	0.018	0	100.024
Stage4	4.35	76.764	54.113	UL-RL	0.165	10.98	275.2	51.936	0.018	0	106.049
Stage4	3.95	83.091	56.19	UL-RL	0.165	10.98	275.2	56.009	0.018	0	112.199
Stage4	3.55	89.417	58.297	UL-RL	0.165	10.98	275.2	60.083	0.018	0	118.38
Stage4	3.15	95.744	60.395	UL-RL	0.165	10.98	275.2	64.156	0.018	0	124.55
Stage4	2.75	102.071	62.474	UL-RL	0.165	10.98	275.2	68.229	0.018	0	130.703
Stage4	2.35	108.397	64.541	UL-RL	0.165	10.98	275.2	72.303	0.018	0	136.844
Stage4	1.95	114.724	66.601	UL-RL	0.165	10.98	275.2	76.376	0.018	0	142.977
Stage4	1.55	121.05	68.657	UL-RL	0.165	10.98	275.2	80.45	0.018	0	149.106
Stage4	1.15	127.377	70.71	UL-RL	0.165	10.98	275.2	84.523	0.018	0	155.233
Stage4	0.75	133.704	72.762	UL-RL	0.165	10.98	275.2	88.596	0.018	0	161.358
Stage4	0.35	140.03	74.812	UL-RL	0.165	10.98	275.2	92.67	0.018	0	167.482
Stage4	-0.05	146.357	76.861	UL-RL	0.165	10.98	275.2	96.743	0.018	0	173.604
Stage4	-0.45	152.684	78.908	UL-RL	0.165	10.98	275.2	100.816	0.018	0	179.725
Stage4	-0.85	159.01	80.954	UL-RL	0.165	10.98	275.2	104.89	0.018	0	185.844
Stage4	-1.25	165.337	83	UL-RL	0.165	10.98	275.2	108.963	0.018	0	191.963
Stage4	-1.45	168.5	84.022	UL-RL	0.165	10.98	275.2	111	0.018	0	195.022
Stage4	-1.85	174.827	86.067	UL-RL	0.165	10.98	275.2	115.073	0.018	0	201.14
Stage4	-2.25	181.153	88.111	UL-RL	0.165	10.98	275.2	119.147	0.018	0	207.258
Stage4	-2.65	187.48	90.155	UL-RL	0.165	10.98	275.2	123.22	0.018	0	213.376
Stage4	-3.05	193.806	92.2	UL-RL	0.165	10.98	275.2	127.294	0.018	0	219.493
Stage4	-3.45	200.133	94.244	UL-RL	0.165	10.98	275.2	131.367	0.018	0	225.611
Stage4	-3.85	206.46	96.288	UL-RL	0.165	10.98	275.2	135.44	0.018	0	231.728
Stage4	-4.25	212.786	98.332	UL-RL	0.165	10.98	275.2	139.514	0.018	0	237.846
Stage4	-4.65	219.113	100.377	UL-RL	0.165	10.98	275.2	143.587	0.018	0	243.964
Stage4	-5.05	225.44	102.422	UL-RL	0.165	10.98	275.2	147.661	0.018	0	250.083
Stage4	-5.45	231.766	104.468	UL-RL	0.165	10.98	275.2	151.734	0.018	0	256.202
Stage4	-5.85	238.093	106.514	UL-RL	0.165	10.98	275.2	155.807	0.018	0	262.321
Stage4	-6.25	244.419	108.561	UL-RL	0.165	10.98	275.2	159.881	0.018	0	268.441
Stage4	-6.65	250.746	110.608	UL-RL	0.165	10.98	275.2	163.954	0.018	0	274.562
Stage4	-7.05	257.072	112.656	UL-RL	0.165	10.98	275.2	168.028	0.018	0	280.683
Stage4	-7.45	263.399	114.704	UL-RL	0.165	10.98	275.2	172.101	0.018	0	286.805
Stage4	-7.85	269.726	116.753	UL-RL	0.165	10.98	275.2	176.174	0.018	0	292.927
Stage4	-8.25	276.052	118.803	UL-RL	0.165	10.98	275.2	180.248	0.018	0	299.05
Stage4	-8.65	282.379	120.853	UL-RL	0.165	10.98	275.2	184.321	0.018	0	305.174

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-9.05	288.706	122.904	UL-RL	0.165	10.98	275.2	188.394	0.018	0	311.299
Stage4	-9.45	295.032	124.956	UL-RL	0.165	10.98	275.2	192.468	0.018	0	317.424
Stage4	-9.85	301.359	127.009	UL-RL	0.165	10.98	275.2	196.541	0.018	0	323.55
Stage4	-10.25	307.685	129.062	UL-RL	0.165	10.98	275.2	200.615	0.018	0	329.677
Stage4	-10.65	314.012	131.117	UL-RL	0.165	10.98	275.2	204.688	0.018	0	335.805
Stage4	-11.05	320.338	133.172	UL-RL	0.165	10.98	275.2	208.762	0.018	0	341.933
Stage4	-11.45	326.665	135.228	UL-RL	0.165	10.98	275.2	212.835	0.018	0	348.062
Stage4	-11.85	332.992	137.284	UL-RL	0.165	10.98	275.2	216.908	0.018	0	354.192
Stage4	-12.25	339.318	139.341	UL-RL	0.165	10.98	275.2	220.982	0.018	0	360.323
Stage4	-12.65	345.645	141.4	UL-RL	0.165	10.98	275.2	225.055	0.018	0	366.455
Stage4	-13.05	351.972	143.458	UL-RL	0.165	10.98	275.2	229.128	0.018	0	372.587
Stage4	-13.45	358.298	145.518	UL-RL	0.165	10.98	275.2	233.202	0.018	0	378.72
Stage4	-13.85	364.625	147.579	UL-RL	0.165	10.98	275.2	237.275	0.018	0	384.854
Stage4	-14.25	370.951	149.64	UL-RL	0.165	10.98	275.2	241.349	0.018	0	390.989
Stage4	-14.65	377.278	151.702	UL-RL	0.165	10.98	275.2	245.422	0.018	0	397.124
Stage4	-15.05	383.604	153.765	UL-RL	0.165	10.98	275.2	249.495	0.018	0	403.26
Stage4	-15.45	389.931	155.828	UL-RL	0.165	10.98	275.2	253.569	0.018	0	409.397
Stage4	-15.85	396.258	157.893	UL-RL	0.165	10.98	275.2	257.642	0.018	0	415.535
Stage4	-16.25	402.584	159.958	UL-RL	0.165	10.98	275.2	261.716	0.018	0	421.673
Stage4	-16.65	408.911	162.024	UL-RL	0.165	10.98	275.2	265.789	0.018	0	427.812
Stage4	-17.05	415.238	164.09	UL-RL	0.165	10.98	275.2	269.862	0.018	0	433.952
Stage4	-17.3	419.192	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage4

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.15	2.945	43.07	UL-RL	0.433	2.529	11.2	3.055	0.018	0	46.125
Stage4	8.75	7.172	395.116	UL-RL	0.165	10.98	275.2	7.128	0.018	0	402.245
Stage4	8.35	13.498	130.707	V-C	0.165	10.98	275.2	11.202	0.018	0	141.909
Stage4	7.95	19.825	22.667	UL-RL	0.165	10.98	275.2	15.275	0.018	0	37.942
Stage4	7.55	26.151	4.695	UL-RL	0.165	10.98	275.2	19.349	0.018	0	24.044
Stage4	7.15	32.478	18.302	UL-RL	0.165	10.98	275.2	23.422	0.018	0	41.724
Stage4	6.75	38.805	33.671	UL-RL	0.165	10.98	275.2	27.495	0.018	0	61.166
Stage4	6.35	45.131	42.82	UL-RL	0.165	10.98	275.2	31.569	0.018	0	74.389
Stage4	5.95	51.458	46.976	UL-RL	0.165	10.98	275.2	35.642	0.018	0	82.618
Stage4	5.55	57.784	48.932	UL-RL	0.165	10.98	275.2	39.716	0.018	0	88.648
Stage4	5.15	64.111	50.45	UL-RL	0.165	10.98	275.2	43.789	0.018	0	94.239
Stage4	4.75	70.438	52.162	UL-RL	0.165	10.98	275.2	47.862	0.018	0	100.024
Stage4	4.35	76.764	54.113	UL-RL	0.165	10.98	275.2	51.936	0.018	0	106.049
Stage4	3.95	83.091	56.19	UL-RL	0.165	10.98	275.2	56.009	0.018	0	112.199
Stage4	3.55	89.417	58.297	UL-RL	0.165	10.98	275.2	60.083	0.018	0	118.38
Stage4	3.15	95.744	60.395	UL-RL	0.165	10.98	275.2	64.156	0.018	0	124.55
Stage4	2.75	102.071	62.474	UL-RL	0.165	10.98	275.2	68.229	0.018	0	130.703
Stage4	2.35	108.397	64.541	UL-RL	0.165	10.98	275.2	72.303	0.018	0	136.844
Stage4	1.95	114.724	66.601	UL-RL	0.165	10.98	275.2	76.376	0.018	0	142.977
Stage4	1.55	121.05	68.657	UL-RL	0.165	10.98	275.2	80.45	0.018	0	149.106
Stage4	1.15	127.377	70.71	UL-RL	0.165	10.98	275.2	84.523	0.018	0	155.233
Stage4	0.75	133.704	72.762	UL-RL	0.165	10.98	275.2	88.596	0.018	0	161.358
Stage4	0.35	140.03	74.812	UL-RL	0.165	10.98	275.2	92.67	0.018	0	167.482
Stage4	-0.05	146.357	76.861	UL-RL	0.165	10.98	275.2	96.743	0.018	0	173.604
Stage4	-0.45	152.684	78.908	UL-RL	0.165	10.98	275.2	100.816	0.018	0	179.725
Stage4	-0.85	159.01	80.954	UL-RL	0.165	10.98	275.2	104.89	0.018	0	185.844
Stage4	-1.25	165.337	83	UL-RL	0.165	10.98	275.2	108.963	0.018	0	191.963
Stage4	-1.45	168.5	84.022	UL-RL	0.165	10.98	275.2	111	0.018	0	195.022
Stage4	-1.85	174.827	86.067	UL-RL	0.165	10.98	275.2	115.073	0.018	0	201.14
Stage4	-2.25	181.153	88.111	UL-RL	0.165	10.98	275.2	119.147	0.018	0	207.258
Stage4	-2.65	187.48	90.155	UL-RL	0.165	10.98	275.2	123.22	0.018	0	213.376
Stage4	-3.05	193.806	92.2	UL-RL	0.165	10.98	275.2	127.294	0.018	0	219.493
Stage4	-3.45	200.133	94.244	UL-RL	0.165	10.98	275.2	131.367	0.018	0	225.611
Stage4	-3.85	206.46	96.288	UL-RL	0.165	10.98	275.2	135.44	0.018	0	231.728
Stage4	-4.25	212.786	98.332	UL-RL	0.165	10.98	275.2	139.514	0.018	0	237.846
Stage4	-4.65	219.113	100.377	UL-RL	0.165	10.98	275.2	143.587	0.018	0	243.964
Stage4	-5.05	225.44	102.422	UL-RL	0.165	10.98	275.2	147.661	0.018	0	250.083
Stage4	-5.45	231.766	104.468	UL-RL	0.165	10.98	275.2	151.734	0.018	0	256.202
Stage4	-5.85	238.093	106.514	UL-RL	0.165	10.98	275.2	155.807	0.018	0	262.321
Stage4	-6.25	244.419	108.561	UL-RL	0.165	10.98	275.2	159.881	0.018	0	268.441
Stage4	-6.65	250.746	110.608	UL-RL	0.165	10.98	275.2	163.954	0.018	0	274.562
Stage4	-7.05	257.072	112.656	UL-RL	0.165	10.98	275.2	168.028	0.018	0	280.683
Stage4	-7.45	263.399	114.704	UL-RL	0.165	10.98	275.2	172.101	0.018	0	286.805

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-7.85	269.726	116.753	UL-RL	0.165	10.98	275.2	176.174	0.018	0	292.927
Stage4	-8.25	276.052	118.803	UL-RL	0.165	10.98	275.2	180.248	0.018	0	299.05
Stage4	-8.65	282.379	120.853	UL-RL	0.165	10.98	275.2	184.321	0.018	0	305.174
Stage4	-9.05	288.706	122.904	UL-RL	0.165	10.98	275.2	188.394	0.018	0	311.299
Stage4	-9.45	295.032	124.956	UL-RL	0.165	10.98	275.2	192.468	0.018	0	317.424
Stage4	-9.85	301.359	127.009	UL-RL	0.165	10.98	275.2	196.541	0.018	0	323.55
Stage4	-10.25	307.685	129.062	UL-RL	0.165	10.98	275.2	200.615	0.018	0	329.677
Stage4	-10.65	314.012	131.117	UL-RL	0.165	10.98	275.2	204.688	0.018	0	335.805
Stage4	-11.05	320.338	133.172	UL-RL	0.165	10.98	275.2	208.762	0.018	0	341.933
Stage4	-11.45	326.665	135.228	UL-RL	0.165	10.98	275.2	212.835	0.018	0	348.062
Stage4	-11.85	332.992	137.284	UL-RL	0.165	10.98	275.2	216.908	0.018	0	354.192
Stage4	-12.25	339.318	139.341	UL-RL	0.165	10.98	275.2	220.982	0.018	0	360.323
Stage4	-12.65	345.645	141.4	UL-RL	0.165	10.98	275.2	225.055	0.018	0	366.455
Stage4	-13.05	351.972	143.458	UL-RL	0.165	10.98	275.2	229.128	0.018	0	372.587
Stage4	-13.45	358.298	145.518	UL-RL	0.165	10.98	275.2	233.202	0.018	0	378.72
Stage4	-13.85	364.625	147.579	UL-RL	0.165	10.98	275.2	237.275	0.018	0	384.854
Stage4	-14.25	370.951	149.64	UL-RL	0.165	10.98	275.2	241.349	0.018	0	390.989
Stage4	-14.65	377.278	151.702	UL-RL	0.165	10.98	275.2	245.422	0.018	0	397.124
Stage4	-15.05	383.604	153.765	UL-RL	0.165	10.98	275.2	249.495	0.018	0	403.26
Stage4	-15.45	389.931	155.828	UL-RL	0.165	10.98	275.2	253.569	0.018	0	409.397
Stage4	-15.85	396.258	157.893	UL-RL	0.165	10.98	275.2	257.642	0.018	0	415.535
Stage4	-16.25	402.584	159.958	UL-RL	0.165	10.98	275.2	261.716	0.018	0	421.673
Stage4	-16.65	408.911	162.024	UL-RL	0.165	10.98	275.2	265.789	0.018	0	427.812
Stage4	-17.05	415.238	164.09	UL-RL	0.165	10.98	275.2	269.862	0.018	0	433.952
Stage4	-17.3	419.192	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage4	15.7	0	16.274	UL-RL	0.433	2.529	11.2	0	0	16.274
Stage4	15.35	17.456	3.779	UL-RL	0.433	2.529	11.2	0	0	3.779
Stage4	14.95	29.031	0	UL-RL	0.433	2.529	11.2	0	0	0
Stage4	14.55	38.71	2.022	UL-RL	0.433	2.529	11.2	0	0	2.022
Stage4	14.15	47.458	5.809	UL-RL	0.433	2.529	11.2	0	0	5.809
Stage4	13.75	56.076	9.541	UL-RL	0.433	2.529	11.2	0	0	9.541
Stage4	13.35	64.812	13.324	UL-RL	0.433	2.529	11.2	0	0	13.324
Stage4	12.95	73.334	17.014	UL-RL	0.433	2.529	11.2	0	0	17.014
Stage4	12.55	81.714	20.642	UL-RL	0.433	2.529	11.2	0	0	20.642
Stage4	12.15	88.736	23.683	UL-RL	0.433	2.529	11.2	0	0	23.683
Stage4	11.75	96.155	26.896	UL-RL	0.433	2.529	11.2	0	0	26.896
Stage4	11.35	103.84	30.223	UL-RL	0.433	2.529	11.2	0	0	30.223
Stage4	10.95	111.571	33.57	UL-RL	0.433	2.529	11.2	0	0	33.57
Stage4	10.55	119.338	36.934	UL-RL	0.433	2.529	11.2	0	0	36.934
Stage4	10.15	124.189	39.034	UL-RL	0.433	2.529	11.2	2.945	0.018	41.979
Stage4	9.95	126.443	40.01	UL-RL	0.433	2.529	11.2	4.908	0.018	44.918
Stage4	9.55	130.329	41.692	UL-RL	0.433	2.529	11.2	8.835	0.018	50.527
Stage4	9.15	134.235	47.308	UL-RL	0.433	2.529	11.2	12.761	0.018	60.069
Stage4	8.75	138.458	0	UL-RL	0.165	10.98	275.2	16.688	0.018	16.688
Stage4	8.35	144.796	0	ACTIVE	0.165	10.98	275.2	20.615	0.018	20.615
Stage4	7.95	151.146	53.578	UL-RL	0.165	10.98	275.2	24.541	0.018	78.119
Stage4	7.55	157.508	106.699	UL-RL	0.165	10.98	275.2	28.468	0.018	135.167
Stage4	7.15	163.879	81.27	UL-RL	0.165	10.98	275.2	32.394	0.018	113.664
Stage4	6.75	170.259	51.237	UL-RL	0.165	10.98	275.2	36.321	0.018	87.558
Stage4	6.35	176.646	36.429	UL-RL	0.165	10.98	275.2	40.248	0.018	76.677
Stage4	5.95	183.039	33.86	UL-RL	0.165	10.98	275.2	44.174	0.018	78.034
Stage4	5.55	189.796	36.643	UL-RL	0.165	10.98	275.2	48.101	0.018	84.743
Stage4	5.15	196.187	40.437	UL-RL	0.165	10.98	275.2	52.028	0.018	92.464
Stage4	4.75	202.584	43.695	UL-RL	0.165	10.98	275.2	55.954	0.018	99.65
Stage4	4.35	208.986	46.315	UL-RL	0.165	10.98	275.2	59.881	0.018	106.196
Stage4	3.95	215.393	48.589	UL-RL	0.165	10.98	275.2	63.807	0.018	112.396
Stage4	3.55	221.804	50.756	UL-RL	0.165	10.98	275.2	67.734	0.018	118.49
Stage4	3.15	228.219	52.924	UL-RL	0.165	10.98	275.2	71.661	0.018	124.584
Stage4	2.75	234.637	55.115	UL-RL	0.165	10.98	275.2	75.587	0.018	130.702
Stage4	2.35	241.058	57.321	UL-RL	0.165	10.98	275.2	79.514	0.018	136.835
Stage4	1.95	247.482	59.53	UL-RL	0.165	10.98	275.2	83.44	0.018	142.971
Stage4	1.55	253.908	61.737	UL-RL	0.165	10.98	275.2	87.367	0.018	149.104
Stage4	1.15	260.337	63.939	UL-RL	0.165	10.98	275.2	91.294	0.018	155.233
Stage4	0.75	267.013	66.139	UL-RL	0.165	10.98	275.2	95.22	0.018	161.359
Stage4	0.35	273.44	68.336	UL-RL	0.165	10.98	275.2	99.147	0.018	167.482
Stage4	-0.05	279.87	70.531	UL-RL	0.165	10.98	275.2	103.073	0.018	173.604
Stage4	-0.45	286.301	72.725	UL-RL	0.165	10.98	275.2	107	0.018	179.725
Stage4	-0.85	292.735	74.918	UL-RL	0.165	10.98	275.2	110.927	0.018	185.844
Stage4	-1.25	299.17	77.11	UL-RL	0.165	10.98	275.2	114.853	0.018	191.963
Stage4	-1.45	302.494	78.206	UL-RL	0.165	10.98	275.2	116.816	0.018	195.022
Stage4	-1.85	308.93	80.397	UL-RL	0.165	10.98	275.2	120.743	0.018	201.14
Stage4	-2.25	315.367	82.588	UL-RL	0.165	10.98	275.2	124.67	0.018	207.258
Stage4	-2.65	321.806	84.779	UL-RL	0.165	10.98	275.2	128.596	0.018	213.376
Stage4	-3.05	328.246	86.97	UL-RL	0.165	10.98	275.2	132.523	0.018	219.493
Stage4	-3.45	334.687	89.161	UL-RL	0.165	10.98	275.2	136.45	0.018	225.611
Stage4	-3.85	341.13	91.352	UL-RL	0.165	10.98	275.2	140.376	0.018	231.728
Stage4	-4.25	347.574	93.543	UL-RL	0.165	10.98	275.2	144.303	0.018	237.846
Stage4	-4.65	354.018	95.735	UL-RL	0.165	10.98	275.2	148.229	0.018	243.964
Stage4	-5.05	360.464	97.927	UL-RL	0.165	10.98	275.2	152.156	0.018	250.083
Stage4	-5.45	366.912	100.119	UL-RL	0.165	10.98	275.2	156.083	0.018	256.202
Stage4	-5.85	373.359	102.312	UL-RL	0.165	10.98	275.2	160.009	0.018	262.321
Stage4	-6.25	379.975	104.506	UL-RL	0.165	10.98	275.2	163.936	0.018	268.441
Stage4	-6.65	386.422	106.7	UL-RL	0.165	10.98	275.2	167.862	0.018	274.562
Stage4	-7.05	392.87	108.894	UL-RL	0.165	10.98	275.2	171.789	0.018	280.683
Stage4	-7.45	399.318	111.089	UL-RL	0.165	10.98	275.2	175.716	0.018	286.805
Stage4	-7.85	405.768	113.285	UL-RL	0.165	10.98	275.2	179.642	0.018	292.927
Stage4	-8.25	412.218	115.482	UL-RL	0.165	10.98	275.2	183.569	0.018	299.05
Stage4	-8.65	418.668	117.679	UL-RL	0.165	10.98	275.2	187.495	0.018	305.174

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-9.05	425.12	119.877	UL-RL	0.165	10.98	275.2	191.422	0.018	0	311.299
Stage4	-9.45	431.572	122.076	UL-RL	0.165	10.98	275.2	195.349	0.018	0	317.424
Stage4	-9.85	438.025	124.275	UL-RL	0.165	10.98	275.2	199.275	0.018	0	323.55
Stage4	-10.25	444.479	126.475	UL-RL	0.165	10.98	275.2	203.202	0.018	0	329.677
Stage4	-10.65	450.933	128.676	UL-RL	0.165	10.98	275.2	207.128	0.018	0	335.805
Stage4	-11.05	457.525	130.878	UL-RL	0.165	10.98	275.2	211.055	0.018	0	341.933
Stage4	-11.45	463.978	133.081	UL-RL	0.165	10.98	275.2	214.982	0.018	0	348.062
Stage4	-11.85	470.432	135.284	UL-RL	0.165	10.98	275.2	218.908	0.018	0	354.192
Stage4	-12.25	476.886	137.488	UL-RL	0.165	10.98	275.2	222.835	0.018	0	360.323
Stage4	-12.65	483.341	139.693	UL-RL	0.165	10.98	275.2	226.762	0.018	0	366.455
Stage4	-13.05	489.796	141.899	UL-RL	0.165	10.98	275.2	230.688	0.018	0	372.587
Stage4	-13.45	496.252	144.105	UL-RL	0.165	10.98	275.2	234.615	0.018	0	378.72
Stage4	-13.85	502.709	146.313	UL-RL	0.165	10.98	275.2	238.541	0.018	0	384.854
Stage4	-14.25	509.165	148.521	UL-RL	0.165	10.98	275.2	242.468	0.018	0	390.989
Stage4	-14.65	515.622	150.729	UL-RL	0.165	10.98	275.2	246.394	0.018	0	397.124
Stage4	-15.05	522.08	152.939	UL-RL	0.165	10.98	275.2	250.321	0.018	0	403.26
Stage4	-15.45	528.656	155.149	UL-RL	0.165	10.98	275.2	254.248	0.018	0	409.397
Stage4	-15.85	535.113	157.36	UL-RL	0.165	10.98	275.2	258.174	0.018	0	415.535
Stage4	-16.25	541.57	159.572	UL-RL	0.165	10.98	275.2	262.101	0.018	0	421.673
Stage4	-16.65	548.028	161.785	UL-RL	0.165	10.98	275.2	266.027	0.018	0	427.812
Stage4	-17.05	554.486	163.998	UL-RL	0.165	10.98	275.2	269.954	0.018	0	433.952
Stage4	-17.3	558.564	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage5

Design Assumption: Nominal Risultati Terreno		Muro:	LEFT	Lato	LEFT						
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Stage5	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Stage5	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Stage5	14.55	38.71	3.797	UL-RL	0.433	2.529	11.2	0	0	0	3.797
Stage5	14.15	47.458	8.498	UL-RL	0.433	2.529	11.2	0	0	0	8.498
Stage5	13.75	56.076	13.139	UL-RL	0.433	2.529	11.2	0	0	0	13.139
Stage5	13.35	64.812	17.791	UL-RL	0.433	2.529	11.2	0	0	0	17.791
Stage5	12.95	73.334	22.244	UL-RL	0.433	2.529	11.2	0	0	0	22.244
Stage5	12.55	81.714	26.425	UL-RL	0.433	2.529	11.2	0	0	0	26.425
Stage5	12.15	88.736	29.663	UL-RL	0.433	2.529	11.2	0	0	0	29.663
Stage5	11.75	96.155	32.524	UL-RL	0.433	2.529	11.2	0	0	0	32.524
Stage5	11.35	103.84	34.709	UL-RL	0.433	2.529	11.2	0	0	0	34.709
Stage5	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Stage5	10.55	119.338	37.657	UL-RL	0.433	2.529	11.2	0	0	0	37.657
Stage5	10.15	127.134	40.309	ACTIVE	0.433	2.529	11.2	0	0	0	40.309
Stage5	9.95	131.351	42.135	ACTIVE	0.433	2.529	11.2	0	0	0	42.135
Stage5	9.55	139.164	45.518	ACTIVE	0.433	2.529	11.2	0	0	0	45.518
Stage5	9.15	146.996	48.909	ACTIVE	0.433	2.529	11.2	0	0	0	48.909
Stage5	8.75	155.146	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	8.35	165.411	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.95	175.688	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.55	185.976	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.15	196.274	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	6.75	206.58	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	6.35	216.893	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	5.95	227.213	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	5.55	236.919	0	ACTIVE	0.165	10.98	275.2	0.978	0.022	0	0.978
Stage5	5.15	243.326	0	ACTIVE	0.165	10.98	275.2	4.889	0.022	0	4.889
Stage5	4.75	249.739	0	ACTIVE	0.165	10.98	275.2	8.8	0.022	0	8.8
Stage5	4.35	256.157	0	ACTIVE	0.165	10.98	275.2	12.71	0.022	0	12.71
Stage5	3.95	262.579	33.234	UL-RL	0.165	10.98	275.2	16.621	0.022	0	49.856
Stage5	3.55	269.006	45.654	UL-RL	0.165	10.98	275.2	20.532	0.022	0	66.186
Stage5	3.15	275.436	47.945	UL-RL	0.165	10.98	275.2	24.443	0.022	0	72.388
Stage5	2.75	281.87	47.551	UL-RL	0.165	10.98	275.2	28.354	0.022	0	75.905
Stage5	2.35	288.306	47.68	UL-RL	0.165	10.98	275.2	32.265	0.022	0	79.945
Stage5	1.95	294.746	49.001	UL-RL	0.165	10.98	275.2	36.176	0.022	0	85.177
Stage5	1.55	301.188	51.182	UL-RL	0.165	10.98	275.2	40.087	0.022	0	91.269
Stage5	1.15	307.633	53.75	UL-RL	0.165	10.98	275.2	43.998	0.022	0	97.748
Stage5	0.75	314.324	56.391	UL-RL	0.165	10.98	275.2	47.909	0.022	0	104.3
Stage5	0.35	320.767	58.973	UL-RL	0.165	10.98	275.2	51.82	0.022	0	110.792
Stage5	-0.05	327.212	61.469	UL-RL	0.165	10.98	275.2	55.731	0.022	0	117.2
Stage5	-0.45	333.66	63.901	UL-RL	0.165	10.98	275.2	59.641	0.022	0	123.542
Stage5	-0.85	340.109	66.292	UL-RL	0.165	10.98	275.2	63.552	0.022	0	129.844
Stage5	-1.25	346.56	68.66	UL-RL	0.165	10.98	275.2	67.463	0.022	0	136.124
Stage5	-1.45	349.892	69.839	UL-RL	0.165	10.98	275.2	69.419	0.022	0	139.258
Stage5	-1.85	356.343	72.188	UL-RL	0.165	10.98	275.2	73.33	0.022	0	145.518
Stage5	-2.25	362.796	74.527	UL-RL	0.165	10.98	275.2	77.241	0.022	0	151.768
Stage5	-2.65	369.25	76.858	UL-RL	0.165	10.98	275.2	81.151	0.022	0	158.009
Stage5	-3.05	375.706	79.18	UL-RL	0.165	10.98	275.2	85.062	0.022	0	164.242
Stage5	-3.45	382.163	81.494	UL-RL	0.165	10.98	275.2	88.973	0.022	0	170.467
Stage5	-3.85	388.622	83.801	UL-RL	0.165	10.98	275.2	92.884	0.022	0	176.685
Stage5	-4.25	395.081	86.102	UL-RL	0.165	10.98	275.2	96.795	0.022	0	182.897
Stage5	-4.65	401.542	88.397	UL-RL	0.165	10.98	275.2	100.706	0.022	0	189.103
Stage5	-5.05	408.004	90.688	UL-RL	0.165	10.98	275.2	104.617	0.022	0	195.305
Stage5	-5.45	414.466	92.974	UL-RL	0.165	10.98	275.2	108.528	0.022	0	201.502
Stage5	-5.85	420.93	95.256	UL-RL	0.165	10.98	275.2	112.439	0.022	0	207.695
Stage5	-6.25	427.561	97.536	UL-RL	0.165	10.98	275.2	116.35	0.022	0	213.885
Stage5	-6.65	434.024	99.812	UL-RL	0.165	10.98	275.2	120.261	0.022	0	220.072
Stage5	-7.05	440.487	102.085	UL-RL	0.165	10.98	275.2	124.172	0.022	0	226.257
Stage5	-7.45	446.951	104.357	UL-RL	0.165	10.98	275.2	128.082	0.022	0	232.439

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-7.85	453.416	106.626	UL-RL	0.165	10.98	275.2	131.993	0.022	0	238.619
Stage5	-8.25	459.882	108.893	UL-RL	0.165	10.98	275.2	135.904	0.022	0	244.797
Stage5	-8.65	466.349	111.159	UL-RL	0.165	10.98	275.2	139.815	0.022	0	250.974
Stage5	-9.05	472.816	113.423	UL-RL	0.165	10.98	275.2	143.726	0.022	0	257.149
Stage5	-9.45	479.284	115.686	UL-RL	0.165	10.98	275.2	147.637	0.022	0	263.322
Stage5	-9.85	485.753	117.947	UL-RL	0.165	10.98	275.2	151.548	0.022	0	269.495
Stage5	-10.25	492.222	120.208	UL-RL	0.165	10.98	275.2	155.459	0.022	0	275.667
Stage5	-10.65	498.692	122.468	UL-RL	0.165	10.98	275.2	159.37	0.022	0	281.837
Stage5	-11.05	505.299	124.727	UL-RL	0.165	10.98	275.2	163.281	0.022	0	288.007
Stage5	-11.45	511.768	126.985	UL-RL	0.165	10.98	275.2	167.192	0.022	0	294.176
Stage5	-11.85	518.237	129.243	UL-RL	0.165	10.98	275.2	171.102	0.022	0	300.345
Stage5	-12.25	524.708	131.5	UL-RL	0.165	10.98	275.2	175.013	0.022	0	306.513
Stage5	-12.65	531.178	133.757	UL-RL	0.165	10.98	275.2	178.924	0.022	0	312.681
Stage5	-13.05	537.649	136.013	UL-RL	0.165	10.98	275.2	182.835	0.022	0	318.848
Stage5	-13.45	544.121	138.269	UL-RL	0.165	10.98	275.2	186.746	0.022	0	325.016
Stage5	-13.85	550.593	140.525	UL-RL	0.165	10.98	275.2	190.657	0.022	0	331.182
Stage5	-14.25	557.065	142.781	UL-RL	0.165	10.98	275.2	194.568	0.022	0	337.349
Stage5	-14.65	563.538	145.037	UL-RL	0.165	10.98	275.2	198.479	0.022	0	343.516
Stage5	-15.05	570.011	147.292	UL-RL	0.165	10.98	275.2	202.39	0.022	0	349.682
Stage5	-15.45	576.603	149.548	UL-RL	0.165	10.98	275.2	206.301	0.022	0	355.848
Stage5	-15.85	583.076	151.803	UL-RL	0.165	10.98	275.2	210.212	0.022	0	362.015
Stage5	-16.25	589.548	154.059	UL-RL	0.165	10.98	275.2	214.122	0.022	0	368.181
Stage5	-16.65	596.022	156.314	UL-RL	0.165	10.98	275.2	218.033	0.022	0	374.348
Stage5	-17.05	602.496	158.57	UL-RL	0.165	10.98	275.2	221.944	0.022	0	380.514
Stage5	-17.3	606.584	159.981	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.369

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Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.35	4.733	51.535	UL-RL	0.165	10.98	275.2	3.067	0.022	0	54.601
Stage5	3.95	11.044	43.677	UL-RL	0.165	10.98	275.2	7.156	0.022	0	50.833
Stage5	3.55	17.355	43.386	UL-RL	0.165	10.98	275.2	11.245	0.022	0	54.631
Stage5	3.15	23.666	46.672	UL-RL	0.165	10.98	275.2	15.334	0.022	0	62.006
Stage5	2.75	29.977	50.745	UL-RL	0.165	10.98	275.2	19.423	0.022	0	70.168
Stage5	2.35	36.288	54.411	UL-RL	0.165	10.98	275.2	23.512	0.022	0	77.923
Stage5	1.95	42.599	57.457	UL-RL	0.165	10.98	275.2	27.601	0.022	0	85.058
Stage5	1.55	48.91	60.052	UL-RL	0.165	10.98	275.2	31.69	0.022	0	91.743
Stage5	1.15	55.22	62.412	UL-RL	0.165	10.98	275.2	35.78	0.022	0	98.192
Stage5	0.75	61.531	64.68	UL-RL	0.165	10.98	275.2	39.869	0.022	0	104.549
Stage5	0.35	67.842	66.922	UL-RL	0.165	10.98	275.2	43.958	0.022	0	110.88
Stage5	-0.05	74.153	69.157	UL-RL	0.165	10.98	275.2	48.047	0.022	0	117.204
Stage5	-0.45	80.464	71.384	UL-RL	0.165	10.98	275.2	52.136	0.022	0	123.52
Stage5	-0.85	86.775	73.598	UL-RL	0.165	10.98	275.2	56.225	0.022	0	129.823
Stage5	-1.25	93.086	75.797	UL-RL	0.165	10.98	275.2	60.314	0.022	0	136.111
Stage5	-1.45	96.241	76.891	UL-RL	0.165	10.98	275.2	62.359	0.022	0	139.25
Stage5	-1.85	102.552	79.068	UL-RL	0.165	10.98	275.2	66.448	0.022	0	145.515
Stage5	-2.25	108.863	81.231	UL-RL	0.165	10.98	275.2	70.537	0.022	0	151.768
Stage5	-2.65	115.174	83.384	UL-RL	0.165	10.98	275.2	74.626	0.022	0	158.01
Stage5	-3.05	121.485	85.528	UL-RL	0.165	10.98	275.2	78.715	0.022	0	164.242
Stage5	-3.45	127.796	87.663	UL-RL	0.165	10.98	275.2	82.804	0.022	0	170.467
Stage5	-3.85	134.107	89.792	UL-RL	0.165	10.98	275.2	86.893	0.022	0	176.685
Stage5	-4.25	140.418	91.914	UL-RL	0.165	10.98	275.2	90.982	0.022	0	182.897
Stage5	-4.65	146.729	94.032	UL-RL	0.165	10.98	275.2	95.071	0.022	0	189.103
Stage5	-5.05	153.04	96.144	UL-RL	0.165	10.98	275.2	99.16	0.022	0	195.304
Stage5	-5.45	159.351	98.252	UL-RL	0.165	10.98	275.2	103.25	0.022	0	201.502
Stage5	-5.85	165.662	100.357	UL-RL	0.165	10.98	275.2	107.338	0.022	0	207.695
Stage5	-6.25	171.972	102.458	UL-RL	0.165	10.98	275.2	111.428	0.022	0	213.885
Stage5	-6.65	178.283	104.556	UL-RL	0.165	10.98	275.2	115.517	0.022	0	220.072
Stage5	-7.05	184.594	106.651	UL-RL	0.165	10.98	275.2	119.606	0.022	0	226.257
Stage5	-7.45	190.905	108.744	UL-RL	0.165	10.98	275.2	123.695	0.022	0	232.439
Stage5	-7.85	197.216	110.835	UL-RL	0.165	10.98	275.2	127.784	0.022	0	238.619
Stage5	-8.25	203.527	112.924	UL-RL	0.165	10.98	275.2	131.873	0.022	0	244.797
Stage5	-8.65	209.838	115.012	UL-RL	0.165	10.98	275.2	135.962	0.022	0	250.974

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT		Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)				
Stage5	-9.05	216.149	117.098	UL-RL	0.165	10.98	275.2	140.051	0.022	0	257.149
Stage5	-9.45	222.46	119.182	UL-RL	0.165	10.98	275.2	144.14	0.022	0	263.322
Stage5	-9.85	228.771	121.266	UL-RL	0.165	10.98	275.2	148.229	0.022	0	269.495
Stage5	-10.25	235.082	123.348	UL-RL	0.165	10.98	275.2	152.318	0.022	0	275.667
Stage5	-10.65	241.392	125.43	UL-RL	0.165	10.98	275.2	156.408	0.022	0	281.837
Stage5	-11.05	247.703	127.51	UL-RL	0.165	10.98	275.2	160.497	0.022	0	288.007
Stage5	-11.45	254.014	129.591	UL-RL	0.165	10.98	275.2	164.586	0.022	0	294.176
Stage5	-11.85	260.325	131.67	UL-RL	0.165	10.98	275.2	168.675	0.022	0	300.345
Stage5	-12.25	266.636	133.749	UL-RL	0.165	10.98	275.2	172.764	0.022	0	306.513
Stage5	-12.65	272.947	135.828	UL-RL	0.165	10.98	275.2	176.853	0.022	0	312.681
Stage5	-13.05	279.258	137.906	UL-RL	0.165	10.98	275.2	180.942	0.022	0	318.848
Stage5	-13.45	285.569	139.984	UL-RL	0.165	10.98	275.2	185.031	0.022	0	325.016
Stage5	-13.85	291.88	142.062	UL-RL	0.165	10.98	275.2	189.12	0.022	0	331.182
Stage5	-14.25	298.191	144.14	UL-RL	0.165	10.98	275.2	193.209	0.022	0	337.349
Stage5	-14.65	304.501	146.217	UL-RL	0.165	10.98	275.2	197.298	0.022	0	343.516
Stage5	-15.05	310.812	148.294	UL-RL	0.165	10.98	275.2	201.387	0.022	0	349.682
Stage5	-15.45	317.123	150.372	UL-RL	0.165	10.98	275.2	205.476	0.022	0	355.848
Stage5	-15.85	323.434	152.449	UL-RL	0.165	10.98	275.2	209.566	0.022	0	362.015
Stage5	-16.25	329.745	154.526	UL-RL	0.165	10.98	275.2	213.655	0.022	0	368.181
Stage5	-16.65	336.056	156.604	UL-RL	0.165	10.98	275.2	217.744	0.022	0	374.348
Stage5	-17.05	342.367	158.681	UL-RL	0.165	10.98	275.2	221.833	0.022	0	380.514
Stage5	-17.3	346.311	159.979	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.368

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage5

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		LEFT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.35	4.733	51.535	UL-RL	0.165	10.98	275.2	3.067	0.022	0	54.601
Stage5	3.95	11.044	43.677	UL-RL	0.165	10.98	275.2	7.156	0.022	0	50.833
Stage5	3.55	17.355	43.386	UL-RL	0.165	10.98	275.2	11.245	0.022	0	54.631
Stage5	3.15	23.666	46.672	UL-RL	0.165	10.98	275.2	15.334	0.022	0	62.006
Stage5	2.75	29.977	50.745	UL-RL	0.165	10.98	275.2	19.423	0.022	0	70.168
Stage5	2.35	36.288	54.411	UL-RL	0.165	10.98	275.2	23.512	0.022	0	77.923
Stage5	1.95	42.599	57.457	UL-RL	0.165	10.98	275.2	27.601	0.022	0	85.058
Stage5	1.55	48.91	60.052	UL-RL	0.165	10.98	275.2	31.69	0.022	0	91.743
Stage5	1.15	55.22	62.412	UL-RL	0.165	10.98	275.2	35.78	0.022	0	98.192
Stage5	0.75	61.531	64.68	UL-RL	0.165	10.98	275.2	39.869	0.022	0	104.549
Stage5	0.35	67.842	66.922	UL-RL	0.165	10.98	275.2	43.958	0.022	0	110.88
Stage5	-0.05	74.153	69.157	UL-RL	0.165	10.98	275.2	48.047	0.022	0	117.204
Stage5	-0.45	80.464	71.384	UL-RL	0.165	10.98	275.2	52.136	0.022	0	123.52
Stage5	-0.85	86.775	73.598	UL-RL	0.165	10.98	275.2	56.225	0.022	0	129.823
Stage5	-1.25	93.086	75.797	UL-RL	0.165	10.98	275.2	60.314	0.022	0	136.111
Stage5	-1.45	96.241	76.891	UL-RL	0.165	10.98	275.2	62.359	0.022	0	139.25
Stage5	-1.85	102.552	79.068	UL-RL	0.165	10.98	275.2	66.448	0.022	0	145.515
Stage5	-2.25	108.863	81.231	UL-RL	0.165	10.98	275.2	70.537	0.022	0	151.768
Stage5	-2.65	115.174	83.384	UL-RL	0.165	10.98	275.2	74.626	0.022	0	158.01
Stage5	-3.05	121.485	85.528	UL-RL	0.165	10.98	275.2	78.715	0.022	0	164.242
Stage5	-3.45	127.796	87.663	UL-RL	0.165	10.98	275.2	82.804	0.022	0	170.467
Stage5	-3.85	134.107	89.792	UL-RL	0.165	10.98	275.2	86.893	0.022	0	176.685
Stage5	-4.25	140.418	91.914	UL-RL	0.165	10.98	275.2	90.982	0.022	0	182.897
Stage5	-4.65	146.729	94.032	UL-RL	0.165	10.98	275.2	95.071	0.022	0	189.103
Stage5	-5.05	153.04	96.144	UL-RL	0.165	10.98	275.2	99.16	0.022	0	195.304
Stage5	-5.45	159.351	98.252	UL-RL	0.165	10.98	275.2	103.25	0.022	0	201.502
Stage5	-5.85	165.662	100.357	UL-RL	0.165	10.98	275.2	107.338	0.022	0	207.695
Stage5	-6.25	171.972	102.458	UL-RL	0.165	10.98	275.2	111.428	0.022	0	213.885
Stage5	-6.65	178.283	104.556	UL-RL	0.165	10.98	275.2	115.517	0.022	0	220.072
Stage5	-7.05	184.594	106.651	UL-RL	0.165	10.98	275.2	119.606	0.022	0	226.257
Stage5	-7.45	190.905	108.744	UL-RL	0.165	10.98	275.2	123.695	0.022	0	232.439

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-7.85	197.216	110.835	UL-RL	0.165	10.98	275.2	127.784	0.022	0	238.619
Stage5	-8.25	203.527	112.924	UL-RL	0.165	10.98	275.2	131.873	0.022	0	244.797
Stage5	-8.65	209.838	115.012	UL-RL	0.165	10.98	275.2	135.962	0.022	0	250.974
Stage5	-9.05	216.149	117.098	UL-RL	0.165	10.98	275.2	140.051	0.022	0	257.149
Stage5	-9.45	222.46	119.182	UL-RL	0.165	10.98	275.2	144.14	0.022	0	263.322
Stage5	-9.85	228.771	121.266	UL-RL	0.165	10.98	275.2	148.229	0.022	0	269.495
Stage5	-10.25	235.082	123.348	UL-RL	0.165	10.98	275.2	152.318	0.022	0	275.667
Stage5	-10.65	241.392	125.43	UL-RL	0.165	10.98	275.2	156.408	0.022	0	281.837
Stage5	-11.05	247.703	127.51	UL-RL	0.165	10.98	275.2	160.497	0.022	0	288.007
Stage5	-11.45	254.014	129.591	UL-RL	0.165	10.98	275.2	164.586	0.022	0	294.176
Stage5	-11.85	260.325	131.67	UL-RL	0.165	10.98	275.2	168.675	0.022	0	300.345
Stage5	-12.25	266.636	133.749	UL-RL	0.165	10.98	275.2	172.764	0.022	0	306.513
Stage5	-12.65	272.947	135.828	UL-RL	0.165	10.98	275.2	176.853	0.022	0	312.681
Stage5	-13.05	279.258	137.906	UL-RL	0.165	10.98	275.2	180.942	0.022	0	318.848
Stage5	-13.45	285.569	139.984	UL-RL	0.165	10.98	275.2	185.031	0.022	0	325.016
Stage5	-13.85	291.88	142.062	UL-RL	0.165	10.98	275.2	189.12	0.022	0	331.182
Stage5	-14.25	298.191	144.14	UL-RL	0.165	10.98	275.2	193.209	0.022	0	337.349
Stage5	-14.65	304.501	146.217	UL-RL	0.165	10.98	275.2	197.298	0.022	0	343.516
Stage5	-15.05	310.812	148.294	UL-RL	0.165	10.98	275.2	201.387	0.022	0	349.682
Stage5	-15.45	317.123	150.372	UL-RL	0.165	10.98	275.2	205.476	0.022	0	355.848
Stage5	-15.85	323.434	152.449	UL-RL	0.165	10.98	275.2	209.566	0.022	0	362.015
Stage5	-16.25	329.745	154.526	UL-RL	0.165	10.98	275.2	213.655	0.022	0	368.181
Stage5	-16.65	336.056	156.604	UL-RL	0.165	10.98	275.2	217.744	0.022	0	374.348
Stage5	-17.05	342.367	158.681	UL-RL	0.165	10.98	275.2	221.833	0.022	0	380.514
Stage5	-17.3	346.311	159.979	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.368

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Stage5	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Stage5	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Stage5	14.55	38.71	3.797	UL-RL	0.433	2.529	11.2	0	0	0	3.797
Stage5	14.15	47.458	8.498	UL-RL	0.433	2.529	11.2	0	0	0	8.498
Stage5	13.75	56.076	13.139	UL-RL	0.433	2.529	11.2	0	0	0	13.139
Stage5	13.35	64.812	17.791	UL-RL	0.433	2.529	11.2	0	0	0	17.791
Stage5	12.95	73.334	22.244	UL-RL	0.433	2.529	11.2	0	0	0	22.244
Stage5	12.55	81.714	26.425	UL-RL	0.433	2.529	11.2	0	0	0	26.425
Stage5	12.15	88.736	29.663	UL-RL	0.433	2.529	11.2	0	0	0	29.663
Stage5	11.75	96.155	32.524	UL-RL	0.433	2.529	11.2	0	0	0	32.524
Stage5	11.35	103.84	34.709	UL-RL	0.433	2.529	11.2	0	0	0	34.709
Stage5	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Stage5	10.55	119.338	37.657	UL-RL	0.433	2.529	11.2	0	0	0	37.657
Stage5	10.15	127.134	40.309	ACTIVE	0.433	2.529	11.2	0	0	0	40.309
Stage5	9.95	131.351	42.135	ACTIVE	0.433	2.529	11.2	0	0	0	42.135
Stage5	9.55	139.164	45.518	ACTIVE	0.433	2.529	11.2	0	0	0	45.518
Stage5	9.15	146.996	48.909	ACTIVE	0.433	2.529	11.2	0	0	0	48.909
Stage5	8.75	155.146	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	8.35	165.411	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.95	175.688	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.55	185.976	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.15	196.274	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	6.75	206.58	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	6.35	216.893	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	5.95	227.213	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	5.55	236.919	0	ACTIVE	0.165	10.98	275.2	0.978	0.022	0	0.978
Stage5	5.15	243.326	0	ACTIVE	0.165	10.98	275.2	4.889	0.022	0	4.889
Stage5	4.75	249.739	0	ACTIVE	0.165	10.98	275.2	8.8	0.022	0	8.8
Stage5	4.35	256.157	0	ACTIVE	0.165	10.98	275.2	12.71	0.022	0	12.71
Stage5	3.95	262.579	33.234	UL-RL	0.165	10.98	275.2	16.621	0.022	0	49.856
Stage5	3.55	269.006	45.654	UL-RL	0.165	10.98	275.2	20.532	0.022	0	66.186
Stage5	3.15	275.436	47.945	UL-RL	0.165	10.98	275.2	24.443	0.022	0	72.388
Stage5	2.75	281.87	47.551	UL-RL	0.165	10.98	275.2	28.354	0.022	0	75.905
Stage5	2.35	288.306	47.68	UL-RL	0.165	10.98	275.2	32.265	0.022	0	79.945
Stage5	1.95	294.746	49.001	UL-RL	0.165	10.98	275.2	36.176	0.022	0	85.177
Stage5	1.55	301.188	51.182	UL-RL	0.165	10.98	275.2	40.087	0.022	0	91.269
Stage5	1.15	307.633	53.75	UL-RL	0.165	10.98	275.2	43.998	0.022	0	97.748
Stage5	0.75	314.324	56.391	UL-RL	0.165	10.98	275.2	47.909	0.022	0	104.3
Stage5	0.35	320.767	58.973	UL-RL	0.165	10.98	275.2	51.82	0.022	0	110.792
Stage5	-0.05	327.212	61.469	UL-RL	0.165	10.98	275.2	55.731	0.022	0	117.2
Stage5	-0.45	333.66	63.901	UL-RL	0.165	10.98	275.2	59.641	0.022	0	123.542
Stage5	-0.85	340.109	66.292	UL-RL	0.165	10.98	275.2	63.552	0.022	0	129.844
Stage5	-1.25	346.56	68.66	UL-RL	0.165	10.98	275.2	67.463	0.022	0	136.124
Stage5	-1.45	349.892	69.839	UL-RL	0.165	10.98	275.2	69.419	0.022	0	139.258
Stage5	-1.85	356.343	72.188	UL-RL	0.165	10.98	275.2	73.33	0.022	0	145.518
Stage5	-2.25	362.796	74.527	UL-RL	0.165	10.98	275.2	77.241	0.022	0	151.768
Stage5	-2.65	369.25	76.858	UL-RL	0.165	10.98	275.2	81.151	0.022	0	158.009
Stage5	-3.05	375.706	79.18	UL-RL	0.165	10.98	275.2	85.062	0.022	0	164.242
Stage5	-3.45	382.163	81.494	UL-RL	0.165	10.98	275.2	88.973	0.022	0	170.467
Stage5	-3.85	388.622	83.801	UL-RL	0.165	10.98	275.2	92.884	0.022	0	176.685
Stage5	-4.25	395.081	86.102	UL-RL	0.165	10.98	275.2	96.795	0.022	0	182.897
Stage5	-4.65	401.542	88.397	UL-RL	0.165	10.98	275.2	100.706	0.022	0	189.103
Stage5	-5.05	408.004	90.688	UL-RL	0.165	10.98	275.2	104.617	0.022	0	195.305
Stage5	-5.45	414.466	92.974	UL-RL	0.165	10.98	275.2	108.528	0.022	0	201.502
Stage5	-5.85	420.93	95.256	UL-RL	0.165	10.98	275.2	112.439	0.022	0	207.695
Stage5	-6.25	427.561	97.536	UL-RL	0.165	10.98	275.2	116.35	0.022	0	213.885
Stage5	-6.65	434.024	99.812	UL-RL	0.165	10.98	275.2	120.261	0.022	0	220.072
Stage5	-7.05	440.487	102.085	UL-RL	0.165	10.98	275.2	124.172	0.022	0	226.257
Stage5	-7.45	446.951	104.357	UL-RL	0.165	10.98	275.2	128.082	0.022	0	232.439
Stage5	-7.85	453.416	106.626	UL-RL	0.165	10.98	275.2	131.993	0.022	0	238.619
Stage5	-8.25	459.882	108.893	UL-RL	0.165	10.98	275.2	135.904	0.022	0	244.797
Stage5	-8.65	466.349	111.159	UL-RL	0.165	10.98	275.2	139.815	0.022	0	250.974

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-9.05	472.816	113.423	UL-RL	0.165	10.98	275.2	143.726	0.022	0	257.149
Stage5	-9.45	479.284	115.686	UL-RL	0.165	10.98	275.2	147.637	0.022	0	263.322
Stage5	-9.85	485.753	117.947	UL-RL	0.165	10.98	275.2	151.548	0.022	0	269.495
Stage5	-10.25	492.222	120.208	UL-RL	0.165	10.98	275.2	155.459	0.022	0	275.667
Stage5	-10.65	498.692	122.468	UL-RL	0.165	10.98	275.2	159.37	0.022	0	281.837
Stage5	-11.05	505.299	124.727	UL-RL	0.165	10.98	275.2	163.281	0.022	0	288.007
Stage5	-11.45	511.768	126.985	UL-RL	0.165	10.98	275.2	167.192	0.022	0	294.176
Stage5	-11.85	518.237	129.243	UL-RL	0.165	10.98	275.2	171.102	0.022	0	300.345
Stage5	-12.25	524.708	131.5	UL-RL	0.165	10.98	275.2	175.013	0.022	0	306.513
Stage5	-12.65	531.178	133.757	UL-RL	0.165	10.98	275.2	178.924	0.022	0	312.681
Stage5	-13.05	537.649	136.013	UL-RL	0.165	10.98	275.2	182.835	0.022	0	318.848
Stage5	-13.45	544.121	138.269	UL-RL	0.165	10.98	275.2	186.746	0.022	0	325.016
Stage5	-13.85	550.593	140.525	UL-RL	0.165	10.98	275.2	190.657	0.022	0	331.182
Stage5	-14.25	557.065	142.781	UL-RL	0.165	10.98	275.2	194.568	0.022	0	337.349
Stage5	-14.65	563.538	145.037	UL-RL	0.165	10.98	275.2	198.479	0.022	0	343.516
Stage5	-15.05	570.011	147.292	UL-RL	0.165	10.98	275.2	202.39	0.022	0	349.682
Stage5	-15.45	576.603	149.548	UL-RL	0.165	10.98	275.2	206.301	0.022	0	355.848
Stage5	-15.85	583.076	151.803	UL-RL	0.165	10.98	275.2	210.212	0.022	0	362.015
Stage5	-16.25	589.548	154.059	UL-RL	0.165	10.98	275.2	214.122	0.022	0	368.181
Stage5	-16.65	596.022	156.314	UL-RL	0.165	10.98	275.2	218.033	0.022	0	374.348
Stage5	-17.05	602.496	158.57	UL-RL	0.165	10.98	275.2	221.944	0.022	0	380.514
Stage5	-17.3	606.584	159.981	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.369

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage6

Design Assumption: Nominal Risultati Terreno									
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	15.7	0	15.475	UL-RL0.433 2.529	11.2	0	0	0	15.475
Stage6	15.35	17.456	3.758	UL-RL0.433 2.529	11.2	0	0	0	3.758
Stage6	14.95	29.031	0.872	UL-RL0.433 2.529	11.2	0	0	0	0.872
Stage6	14.55	38.71	3.797	UL-RL0.433 2.529	11.2	0	0	0	3.797
Stage6	14.15	47.458	8.498	UL-RL0.433 2.529	11.2	0	0	0	8.498
Stage6	13.75	56.076	13.139	UL-RL0.433 2.529	11.2	0	0	0	13.139
Stage6	13.35	64.812	17.791	UL-RL0.433 2.529	11.2	0	0	0	17.791
Stage6	12.95	73.334	22.244	UL-RL0.433 2.529	11.2	0	0	0	22.244
Stage6	12.55	81.714	26.425	UL-RL0.433 2.529	11.2	0	0	0	26.425
Stage6	12.15	88.736	29.663	UL-RL0.433 2.529	11.2	0	0	0	29.663
Stage6	11.75	96.155	32.524	UL-RL0.433 2.529	11.2	0	0	0	32.524
Stage6	11.35	103.84	34.709	UL-RL0.433 2.529	11.2	0	0	0	34.709
Stage6	10.95	111.571	35.837	UL-RL0.433 2.529	11.2	0	0	0	35.837
Stage6	10.55	119.338	37.657	UL-RL0.433 2.529	11.2	0	0	0	37.657
Stage6	10.15	127.134	40.309	UL-RL0.433 2.529	11.2	0	0	0	40.309
Stage6	9.95	131.351	42.135	UL-RL0.433 2.529	11.2	0	0	0	42.135
Stage6	9.55	139.164	45.518	UL-RL0.433 2.529	11.2	0	0	0	45.518
Stage6	9.15	146.996	48.909	UL-RL0.433 2.529	11.2	0	0	0	48.909
Stage6	8.75	155.146	0	UL-RL0.165 10.98	275.2	0	0	0	0
Stage6	8.35	165.411	0	UL-RL0.165 10.98	275.2	0	0	0	0
Stage6	7.95	175.688	0	UL-RL0.165 10.98	275.2	0	0	0	0
Stage6	7.55	185.976	0	UL-RL0.165 10.98	275.2	0	0	0	0
Stage6	7.15	196.274	0	UL-RL0.165 10.98	275.2	0	0	0	0
Stage6	6.75	206.58	0	UL-RL0.165 10.98	275.2	0	0	0	0
Stage6	6.35	216.893	0	UL-RL0.165 10.98	275.2	0	0	0	0
Stage6	5.95	227.213	0	UL-RL0.165 10.98	275.2	0	0	0	0
Stage6	5.55	236.919	0	UL-RL0.165 10.98	275.2	0.978	0.022	0	0.978
Stage6	5.15	243.326	0	UL-RL0.165 10.98	275.2	4.889	0.022	0	4.889
Stage6	4.75	249.739	0	UL-RL0.165 10.98	275.2	8.8	0.022	0	8.8
Stage6	4.35	256.157	0	UL-RL0.165 10.98	275.2	12.71	0.022	0	12.71
Stage6	3.95	262.579	33.234	UL-RL0.165 10.98	275.2	16.621	0.022	0	49.856
Stage6	3.55	269.006	45.654	UL-RL0.165 10.98	275.2	20.532	0.022	0	66.186
Stage6	3.15	275.436	47.945	UL-RL0.165 10.98	275.2	24.443	0.022	0	72.388
Stage6	2.75	281.87	47.551	UL-RL0.165 10.98	275.2	28.354	0.022	0	75.905
Stage6	2.35	288.306	47.68	UL-RL0.165 10.98	275.2	32.265	0.022	0	79.945
Stage6	1.95	294.746	49.001	UL-RL0.165 10.98	275.2	36.176	0.022	0	85.177
Stage6	1.55	301.188	51.182	UL-RL0.165 10.98	275.2	40.087	0.022	0	91.269
Stage6	1.15	307.633	53.75	UL-RL0.165 10.98	275.2	43.998	0.022	0	97.748
Stage6	0.75	314.324	56.391	UL-RL0.165 10.98	275.2	47.909	0.022	0	104.3
Stage6	0.35	320.767	58.973	UL-RL0.165 10.98	275.2	51.82	0.022	0	110.792
Stage6	-0.05	327.212	61.469	UL-RL0.165 10.98	275.2	55.731	0.022	0	117.2
Stage6	-0.45	333.66	63.901	UL-RL0.165 10.98	275.2	59.641	0.022	0	123.542
Stage6	-0.85	340.109	66.292	UL-RL0.165 10.98	275.2	63.552	0.022	0	129.844
Stage6	-1.25	346.56	68.66	UL-RL0.165 10.98	275.2	67.463	0.022	0	136.124
Stage6	-1.45	349.892	69.839	UL-RL0.165 10.98	275.2	69.419	0.022	0	139.258
Stage6	-1.85	356.343	72.188	UL-RL0.165 10.98	275.2	73.33	0.022	0	145.518
Stage6	-2.25	362.796	74.527	UL-RL0.165 10.98	275.2	77.241	0.022	0	151.768
Stage6	-2.65	369.25	76.858	UL-RL0.165 10.98	275.2	81.151	0.022	0	158.009
Stage6	-3.05	375.706	79.18	UL-RL0.165 10.98	275.2	85.062	0.022	0	164.242
Stage6	-3.45	382.163	81.494	UL-RL0.165 10.98	275.2	88.973	0.022	0	170.467
Stage6	-3.85	388.622	83.801	UL-RL0.165 10.98	275.2	92.884	0.022	0	176.685
Stage6	-4.25	395.081	86.102	UL-RL0.165 10.98	275.2	96.795	0.022	0	182.897
Stage6	-4.65	401.542	88.397	UL-RL0.165 10.98	275.2	100.706	0.022	0	189.103
Stage6	-5.05	408.004	90.688	UL-RL0.165 10.98	275.2	104.617	0.022	0	195.305
Stage6	-5.45	414.466	92.974	UL-RL0.165 10.98	275.2	108.528	0.022	0	201.502
Stage6	-5.85	420.93	95.256	UL-RL0.165 10.98	275.2	112.439	0.022	0	207.695
Stage6	-6.25	427.561	97.536	UL-RL0.165 10.98	275.2	116.35	0.022	0	213.885
Stage6	-6.65	434.024	99.812	UL-RL0.165 10.98	275.2	120.261	0.022	0	220.072
Stage6	-7.05	440.487	102.085	UL-RL0.165 10.98	275.2	124.172	0.022	0	226.257
Stage6	-7.45	446.951	104.357	UL-RL0.165 10.98	275.2	128.082	0.022	0	232.439

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT		
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	-7.85	453.416	106.626	UL-RL0.165	10.98	275.2	131.993	0.022	0	238.619
Stage6	-8.25	459.882	108.893	UL-RL0.165	10.98	275.2	135.904	0.022	0	244.797
Stage6	-8.65	466.349	111.159	UL-RL0.165	10.98	275.2	139.815	0.022	0	250.974
Stage6	-9.05	472.816	113.423	UL-RL0.165	10.98	275.2	143.726	0.022	0	257.149
Stage6	-9.45	479.284	115.686	UL-RL0.165	10.98	275.2	147.637	0.022	0	263.322
Stage6	-9.85	485.753	117.947	UL-RL0.165	10.98	275.2	151.548	0.022	0	269.495
Stage6	-10.25	492.222	120.208	UL-RL0.165	10.98	275.2	155.459	0.022	0	275.667
Stage6	-10.65	498.692	122.468	UL-RL0.165	10.98	275.2	159.37	0.022	0	281.837
Stage6	-11.05	505.299	124.727	UL-RL0.165	10.98	275.2	163.281	0.022	0	288.007
Stage6	-11.45	511.768	126.985	UL-RL0.165	10.98	275.2	167.192	0.022	0	294.176
Stage6	-11.85	518.237	129.243	UL-RL0.165	10.98	275.2	171.102	0.022	0	300.345
Stage6	-12.25	524.708	131.5	UL-RL0.165	10.98	275.2	175.013	0.022	0	306.513
Stage6	-12.65	531.178	133.757	UL-RL0.165	10.98	275.2	178.924	0.022	0	312.681
Stage6	-13.05	537.649	136.013	UL-RL0.165	10.98	275.2	182.835	0.022	0	318.848
Stage6	-13.45	544.121	138.269	UL-RL0.165	10.98	275.2	186.746	0.022	0	325.016
Stage6	-13.85	550.593	140.525	UL-RL0.165	10.98	275.2	190.657	0.022	0	331.182
Stage6	-14.25	557.065	142.781	UL-RL0.165	10.98	275.2	194.568	0.022	0	337.349
Stage6	-14.65	563.538	145.037	UL-RL0.165	10.98	275.2	198.479	0.022	0	343.516
Stage6	-15.05	570.011	147.292	UL-RL0.165	10.98	275.2	202.39	0.022	0	349.682
Stage6	-15.45	576.603	149.548	UL-RL0.165	10.98	275.2	206.301	0.022	0	355.848
Stage6	-15.85	583.076	151.803	UL-RL0.165	10.98	275.2	210.212	0.022	0	362.015
Stage6	-16.25	589.548	154.059	UL-RL0.165	10.98	275.2	214.122	0.022	0	368.181
Stage6	-16.65	596.022	156.314	UL-RL0.165	10.98	275.2	218.033	0.022	0	374.348
Stage6	-17.05	602.496	158.57	UL-RL0.165	10.98	275.2	221.944	0.022	0	380.514
Stage6	-17.3	606.584	159.981	UL-RL0.165	10.98	275.2	224.389	0.022	0	384.369

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.35	4.733	51.535	UL-RL	0.165	10.98	275.2	3.067	0.022	0	54.601
Stage6	3.95	11.044	43.677	UL-RL	0.165	10.98	275.2	7.156	0.022	0	50.833
Stage6	3.55	17.355	43.386	UL-RL	0.165	10.98	275.2	11.245	0.022	0	54.631
Stage6	3.15	23.666	46.672	UL-RL	0.165	10.98	275.2	15.334	0.022	0	62.006
Stage6	2.75	29.977	50.745	UL-RL	0.165	10.98	275.2	19.423	0.022	0	70.168
Stage6	2.35	36.288	54.411	UL-RL	0.165	10.98	275.2	23.512	0.022	0	77.923
Stage6	1.95	42.599	57.457	UL-RL	0.165	10.98	275.2	27.601	0.022	0	85.058
Stage6	1.55	48.91	60.052	UL-RL	0.165	10.98	275.2	31.69	0.022	0	91.743
Stage6	1.15	55.22	62.412	UL-RL	0.165	10.98	275.2	35.78	0.022	0	98.192
Stage6	0.75	61.531	64.68	UL-RL	0.165	10.98	275.2	39.869	0.022	0	104.549
Stage6	0.35	67.842	66.922	UL-RL	0.165	10.98	275.2	43.958	0.022	0	110.88
Stage6	-0.05	74.153	69.157	UL-RL	0.165	10.98	275.2	48.047	0.022	0	117.204
Stage6	-0.45	80.464	71.384	UL-RL	0.165	10.98	275.2	52.136	0.022	0	123.52
Stage6	-0.85	86.775	73.598	UL-RL	0.165	10.98	275.2	56.225	0.022	0	129.823
Stage6	-1.25	93.086	75.797	UL-RL	0.165	10.98	275.2	60.314	0.022	0	136.111
Stage6	-1.45	96.241	76.891	UL-RL	0.165	10.98	275.2	62.359	0.022	0	139.25
Stage6	-1.85	102.552	79.068	UL-RL	0.165	10.98	275.2	66.448	0.022	0	145.515
Stage6	-2.25	108.863	81.231	UL-RL	0.165	10.98	275.2	70.537	0.022	0	151.768
Stage6	-2.65	115.174	83.384	UL-RL	0.165	10.98	275.2	74.626	0.022	0	158.01
Stage6	-3.05	121.485	85.528	UL-RL	0.165	10.98	275.2	78.715	0.022	0	164.242
Stage6	-3.45	127.796	87.663	UL-RL	0.165	10.98	275.2	82.804	0.022	0	170.467
Stage6	-3.85	134.107	89.792	UL-RL	0.165	10.98	275.2	86.893	0.022	0	176.685
Stage6	-4.25	140.418	91.914	UL-RL	0.165	10.98	275.2	90.982	0.022	0	182.897
Stage6	-4.65	146.729	94.032	UL-RL	0.165	10.98	275.2	95.071	0.022	0	189.103
Stage6	-5.05	153.04	96.144	UL-RL	0.165	10.98	275.2	99.16	0.022	0	195.304
Stage6	-5.45	159.351	98.252	UL-RL	0.165	10.98	275.2	103.25	0.022	0	201.502
Stage6	-5.85	165.662	100.357	UL-RL	0.165	10.98	275.2	107.338	0.022	0	207.695
Stage6	-6.25	171.972	102.458	UL-RL	0.165	10.98	275.2	111.428	0.022	0	213.885
Stage6	-6.65	178.283	104.556	UL-RL	0.165	10.98	275.2	115.517	0.022	0	220.072
Stage6	-7.05	184.594	106.651	UL-RL	0.165	10.98	275.2	119.606	0.022	0	226.257
Stage6	-7.45	190.905	108.744	UL-RL	0.165	10.98	275.2	123.695	0.022	0	232.439
Stage6	-7.85	197.216	110.835	UL-RL	0.165	10.98	275.2	127.784	0.022	0	238.619
Stage6	-8.25	203.527	112.924	UL-RL	0.165	10.98	275.2	131.873	0.022	0	244.797
Stage6	-8.65	209.838	115.012	UL-RL	0.165	10.98	275.2	135.962	0.022	0	250.974

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT		Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)				
Stage6	-9.05	216.149	117.098	UL-RL	0.165	10.98	275.2	140.051	0.022	0	257.149
Stage6	-9.45	222.46	119.182	UL-RL	0.165	10.98	275.2	144.14	0.022	0	263.322
Stage6	-9.85	228.771	121.266	UL-RL	0.165	10.98	275.2	148.229	0.022	0	269.495
Stage6	-10.25	235.082	123.348	UL-RL	0.165	10.98	275.2	152.318	0.022	0	275.667
Stage6	-10.65	241.392	125.43	UL-RL	0.165	10.98	275.2	156.408	0.022	0	281.837
Stage6	-11.05	247.703	127.51	UL-RL	0.165	10.98	275.2	160.497	0.022	0	288.007
Stage6	-11.45	254.014	129.591	UL-RL	0.165	10.98	275.2	164.586	0.022	0	294.176
Stage6	-11.85	260.325	131.67	UL-RL	0.165	10.98	275.2	168.675	0.022	0	300.345
Stage6	-12.25	266.636	133.749	UL-RL	0.165	10.98	275.2	172.764	0.022	0	306.513
Stage6	-12.65	272.947	135.828	UL-RL	0.165	10.98	275.2	176.853	0.022	0	312.681
Stage6	-13.05	279.258	137.906	UL-RL	0.165	10.98	275.2	180.942	0.022	0	318.848
Stage6	-13.45	285.569	139.984	UL-RL	0.165	10.98	275.2	185.031	0.022	0	325.016
Stage6	-13.85	291.88	142.062	UL-RL	0.165	10.98	275.2	189.12	0.022	0	331.182
Stage6	-14.25	298.191	144.14	UL-RL	0.165	10.98	275.2	193.209	0.022	0	337.349
Stage6	-14.65	304.501	146.217	UL-RL	0.165	10.98	275.2	197.298	0.022	0	343.516
Stage6	-15.05	310.812	148.294	UL-RL	0.165	10.98	275.2	201.387	0.022	0	349.682
Stage6	-15.45	317.123	150.372	UL-RL	0.165	10.98	275.2	205.476	0.022	0	355.848
Stage6	-15.85	323.434	152.449	UL-RL	0.165	10.98	275.2	209.566	0.022	0	362.015
Stage6	-16.25	329.745	154.526	UL-RL	0.165	10.98	275.2	213.655	0.022	0	368.181
Stage6	-16.65	336.056	156.604	UL-RL	0.165	10.98	275.2	217.744	0.022	0	374.348
Stage6	-17.05	342.367	158.681	UL-RL	0.165	10.98	275.2	221.833	0.022	0	380.514
Stage6	-17.3	346.311	159.979	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.368

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage6

Design Assumption: Nominal Risultati Terreno				Muro: RIGHT		Lato LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.35	4.733	51.535	UL-RL	0.165	10.98	275.2	3.067	0.022	0	54.601
Stage6	3.95	11.044	43.677	UL-RL	0.165	10.98	275.2	7.156	0.022	0	50.833
Stage6	3.55	17.355	43.386	UL-RL	0.165	10.98	275.2	11.245	0.022	0	54.631
Stage6	3.15	23.666	46.672	UL-RL	0.165	10.98	275.2	15.334	0.022	0	62.006
Stage6	2.75	29.977	50.745	UL-RL	0.165	10.98	275.2	19.423	0.022	0	70.168
Stage6	2.35	36.288	54.411	UL-RL	0.165	10.98	275.2	23.512	0.022	0	77.923
Stage6	1.95	42.599	57.457	UL-RL	0.165	10.98	275.2	27.601	0.022	0	85.058
Stage6	1.55	48.91	60.052	UL-RL	0.165	10.98	275.2	31.69	0.022	0	91.743
Stage6	1.15	55.22	62.412	UL-RL	0.165	10.98	275.2	35.78	0.022	0	98.192
Stage6	0.75	61.531	64.68	UL-RL	0.165	10.98	275.2	39.869	0.022	0	104.549
Stage6	0.35	67.842	66.922	UL-RL	0.165	10.98	275.2	43.958	0.022	0	110.88
Stage6	-0.05	74.153	69.157	UL-RL	0.165	10.98	275.2	48.047	0.022	0	117.204
Stage6	-0.45	80.464	71.384	UL-RL	0.165	10.98	275.2	52.136	0.022	0	123.52
Stage6	-0.85	86.775	73.598	UL-RL	0.165	10.98	275.2	56.225	0.022	0	129.823
Stage6	-1.25	93.086	75.797	UL-RL	0.165	10.98	275.2	60.314	0.022	0	136.111
Stage6	-1.45	96.241	76.891	UL-RL	0.165	10.98	275.2	62.359	0.022	0	139.25
Stage6	-1.85	102.552	79.068	UL-RL	0.165	10.98	275.2	66.448	0.022	0	145.515
Stage6	-2.25	108.863	81.231	UL-RL	0.165	10.98	275.2	70.537	0.022	0	151.768
Stage6	-2.65	115.174	83.384	UL-RL	0.165	10.98	275.2	74.626	0.022	0	158.01
Stage6	-3.05	121.485	85.528	UL-RL	0.165	10.98	275.2	78.715	0.022	0	164.242
Stage6	-3.45	127.796	87.663	UL-RL	0.165	10.98	275.2	82.804	0.022	0	170.467
Stage6	-3.85	134.107	89.792	UL-RL	0.165	10.98	275.2	86.893	0.022	0	176.685
Stage6	-4.25	140.418	91.914	UL-RL	0.165	10.98	275.2	90.982	0.022	0	182.897
Stage6	-4.65	146.729	94.032	UL-RL	0.165	10.98	275.2	95.071	0.022	0	189.103
Stage6	-5.05	153.04	96.144	UL-RL	0.165	10.98	275.2	99.16	0.022	0	195.304
Stage6	-5.45	159.351	98.252	UL-RL	0.165	10.98	275.2	103.25	0.022	0	201.502
Stage6	-5.85	165.662	100.357	UL-RL	0.165	10.98	275.2	107.338	0.022	0	207.695
Stage6	-6.25	171.972	102.458	UL-RL	0.165	10.98	275.2	111.428	0.022	0	213.885
Stage6	-6.65	178.283	104.556	UL-RL	0.165	10.98	275.2	115.517	0.022	0	220.072
Stage6	-7.05	184.594	106.651	UL-RL	0.165	10.98	275.2	119.606	0.022	0	226.257
Stage6	-7.45	190.905	108.744	UL-RL	0.165	10.98	275.2	123.695	0.022	0	232.439

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	-7.85	197.216	110.835	UL-RL	0.165	10.98	275.2	127.784	0.022	0	238.619
Stage6	-8.25	203.527	112.924	UL-RL	0.165	10.98	275.2	131.873	0.022	0	244.797
Stage6	-8.65	209.838	115.012	UL-RL	0.165	10.98	275.2	135.962	0.022	0	250.974
Stage6	-9.05	216.149	117.098	UL-RL	0.165	10.98	275.2	140.051	0.022	0	257.149
Stage6	-9.45	222.46	119.182	UL-RL	0.165	10.98	275.2	144.14	0.022	0	263.322
Stage6	-9.85	228.771	121.266	UL-RL	0.165	10.98	275.2	148.229	0.022	0	269.495
Stage6	-10.25	235.082	123.348	UL-RL	0.165	10.98	275.2	152.318	0.022	0	275.667
Stage6	-10.65	241.392	125.43	UL-RL	0.165	10.98	275.2	156.408	0.022	0	281.837
Stage6	-11.05	247.703	127.51	UL-RL	0.165	10.98	275.2	160.497	0.022	0	288.007
Stage6	-11.45	254.014	129.591	UL-RL	0.165	10.98	275.2	164.586	0.022	0	294.176
Stage6	-11.85	260.325	131.67	UL-RL	0.165	10.98	275.2	168.675	0.022	0	300.345
Stage6	-12.25	266.636	133.749	UL-RL	0.165	10.98	275.2	172.764	0.022	0	306.513
Stage6	-12.65	272.947	135.828	UL-RL	0.165	10.98	275.2	176.853	0.022	0	312.681
Stage6	-13.05	279.258	137.906	UL-RL	0.165	10.98	275.2	180.942	0.022	0	318.848
Stage6	-13.45	285.569	139.984	UL-RL	0.165	10.98	275.2	185.031	0.022	0	325.016
Stage6	-13.85	291.88	142.062	UL-RL	0.165	10.98	275.2	189.12	0.022	0	331.182
Stage6	-14.25	298.191	144.14	UL-RL	0.165	10.98	275.2	193.209	0.022	0	337.349
Stage6	-14.65	304.501	146.217	UL-RL	0.165	10.98	275.2	197.298	0.022	0	343.516
Stage6	-15.05	310.812	148.294	UL-RL	0.165	10.98	275.2	201.387	0.022	0	349.682
Stage6	-15.45	317.123	150.372	UL-RL	0.165	10.98	275.2	205.476	0.022	0	355.848
Stage6	-15.85	323.434	152.449	UL-RL	0.165	10.98	275.2	209.566	0.022	0	362.015
Stage6	-16.25	329.745	154.526	UL-RL	0.165	10.98	275.2	213.655	0.022	0	368.181
Stage6	-16.65	336.056	156.604	UL-RL	0.165	10.98	275.2	217.744	0.022	0	374.348
Stage6	-17.05	342.367	158.681	UL-RL	0.165	10.98	275.2	221.833	0.022	0	380.514
Stage6	-17.3	346.311	159.979	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.368

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT			
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	15.7	0	15.475	UL-RL 0.433 2.529	11.2	0	0	0	0	15.475
Stage6	15.35	17.456	3.758	UL-RL 0.433 2.529	11.2	0	0	0	0	3.758
Stage6	14.95	29.031	0.872	UL-RL 0.433 2.529	11.2	0	0	0	0	0.872
Stage6	14.55	38.71	3.797	UL-RL 0.433 2.529	11.2	0	0	0	0	3.797
Stage6	14.15	47.458	8.498	UL-RL 0.433 2.529	11.2	0	0	0	0	8.498
Stage6	13.75	56.076	13.139	UL-RL 0.433 2.529	11.2	0	0	0	0	13.139
Stage6	13.35	64.812	17.791	UL-RL 0.433 2.529	11.2	0	0	0	0	17.791
Stage6	12.95	73.334	22.244	UL-RL 0.433 2.529	11.2	0	0	0	0	22.244
Stage6	12.55	81.714	26.425	UL-RL 0.433 2.529	11.2	0	0	0	0	26.425
Stage6	12.15	88.736	29.663	UL-RL 0.433 2.529	11.2	0	0	0	0	29.663
Stage6	11.75	96.155	32.524	UL-RL 0.433 2.529	11.2	0	0	0	0	32.524
Stage6	11.35	103.84	34.709	UL-RL 0.433 2.529	11.2	0	0	0	0	34.709
Stage6	10.95	111.571	35.837	UL-RL 0.433 2.529	11.2	0	0	0	0	35.837
Stage6	10.55	119.338	37.657	UL-RL 0.433 2.529	11.2	0	0	0	0	37.657
Stage6	10.15	127.134	40.309	UL-RL 0.433 2.529	11.2	0	0	0	0	40.309
Stage6	9.95	131.351	42.135	UL-RL 0.433 2.529	11.2	0	0	0	0	42.135
Stage6	9.55	139.164	45.518	UL-RL 0.433 2.529	11.2	0	0	0	0	45.518
Stage6	9.15	146.996	48.909	UL-RL 0.433 2.529	11.2	0	0	0	0	48.909
Stage6	8.75	155.146	0	UL-RL 0.165 10.98	275.2	0	0	0	0	0
Stage6	8.35	165.411	0	UL-RL 0.165 10.98	275.2	0	0	0	0	0
Stage6	7.95	175.688	0	UL-RL 0.165 10.98	275.2	0	0	0	0	0
Stage6	7.55	185.976	0	UL-RL 0.165 10.98	275.2	0	0	0	0	0
Stage6	7.15	196.274	0	UL-RL 0.165 10.98	275.2	0	0	0	0	0
Stage6	6.75	206.58	0	UL-RL 0.165 10.98	275.2	0	0	0	0	0
Stage6	6.35	216.893	0	UL-RL 0.165 10.98	275.2	0	0	0	0	0
Stage6	5.95	227.213	0	UL-RL 0.165 10.98	275.2	0	0	0	0	0
Stage6	5.55	236.919	0	UL-RL 0.165 10.98	275.2	0.978	0.022	0	0.978	
Stage6	5.15	243.326	0	UL-RL 0.165 10.98	275.2	4.889	0.022	0	4.889	
Stage6	4.75	249.739	0	UL-RL 0.165 10.98	275.2	8.8	0.022	0	8.8	
Stage6	4.35	256.157	0	UL-RL 0.165 10.98	275.2	12.71	0.022	0	12.71	
Stage6	3.95	262.579	33.234	UL-RL 0.165 10.98	275.2	16.621	0.022	0	49.856	
Stage6	3.55	269.006	45.654	UL-RL 0.165 10.98	275.2	20.532	0.022	0	66.186	
Stage6	3.15	275.436	47.945	UL-RL 0.165 10.98	275.2	24.443	0.022	0	72.388	
Stage6	2.75	281.87	47.551	UL-RL 0.165 10.98	275.2	28.354	0.022	0	75.905	
Stage6	2.35	288.306	47.68	UL-RL 0.165 10.98	275.2	32.265	0.022	0	79.945	
Stage6	1.95	294.746	49.001	UL-RL 0.165 10.98	275.2	36.176	0.022	0	85.177	
Stage6	1.55	301.188	51.182	UL-RL 0.165 10.98	275.2	40.087	0.022	0	91.269	
Stage6	1.15	307.633	53.75	UL-RL 0.165 10.98	275.2	43.998	0.022	0	97.748	
Stage6	0.75	314.324	56.391	UL-RL 0.165 10.98	275.2	47.909	0.022	0	104.3	
Stage6	0.35	320.767	58.973	UL-RL 0.165 10.98	275.2	51.82	0.022	0	110.792	
Stage6	-0.05	327.212	61.469	UL-RL 0.165 10.98	275.2	55.731	0.022	0	117.2	
Stage6	-0.45	333.66	63.901	UL-RL 0.165 10.98	275.2	59.641	0.022	0	123.542	
Stage6	-0.85	340.109	66.292	UL-RL 0.165 10.98	275.2	63.552	0.022	0	129.844	
Stage6	-1.25	346.56	68.66	UL-RL 0.165 10.98	275.2	67.463	0.022	0	136.124	
Stage6	-1.45	349.892	69.839	UL-RL 0.165 10.98	275.2	69.419	0.022	0	139.258	
Stage6	-1.85	356.343	72.188	UL-RL 0.165 10.98	275.2	73.33	0.022	0	145.518	
Stage6	-2.25	362.796	74.527	UL-RL 0.165 10.98	275.2	77.241	0.022	0	151.768	
Stage6	-2.65	369.25	76.858	UL-RL 0.165 10.98	275.2	81.151	0.022	0	158.009	
Stage6	-3.05	375.706	79.18	UL-RL 0.165 10.98	275.2	85.062	0.022	0	164.242	
Stage6	-3.45	382.163	81.494	UL-RL 0.165 10.98	275.2	88.973	0.022	0	170.467	
Stage6	-3.85	388.622	83.801	UL-RL 0.165 10.98	275.2	92.884	0.022	0	176.685	
Stage6	-4.25	395.081	86.102	UL-RL 0.165 10.98	275.2	96.795	0.022	0	182.897	
Stage6	-4.65	401.542	88.397	UL-RL 0.165 10.98	275.2	100.706	0.022	0	189.103	
Stage6	-5.05	408.004	90.688	UL-RL 0.165 10.98	275.2	104.617	0.022	0	195.305	
Stage6	-5.45	414.466	92.974	UL-RL 0.165 10.98	275.2	108.528	0.022	0	201.502	
Stage6	-5.85	420.93	95.256	UL-RL 0.165 10.98	275.2	112.439	0.022	0	207.695	
Stage6	-6.25	427.561	97.536	UL-RL 0.165 10.98	275.2	116.35	0.022	0	213.885	
Stage6	-6.65	434.024	99.812	UL-RL 0.165 10.98	275.2	120.261	0.022	0	220.072	
Stage6	-7.05	440.487	102.085	UL-RL 0.165 10.98	275.2	124.172	0.022	0	226.257	
Stage6	-7.45	446.951	104.357	UL-RL 0.165 10.98	275.2	128.082	0.022	0	232.439	
Stage6	-7.85	453.416	106.626	UL-RL 0.165 10.98	275.2	131.993	0.022	0	238.619	
Stage6	-8.25	459.882	108.893	UL-RL 0.165 10.98	275.2	135.904	0.022	0	244.797	
Stage6	-8.65	466.349	111.159	UL-RL 0.165 10.98	275.2	139.815	0.022	0	250.974	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: RIGHT		Lato RIGHT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
			Sigma H (kPa)	Stato	Ka	Kp					
Stage6	-9.05	472.816	113.423	UL-RL 0.165 10.98	0.165	10.98	275.2	143.726	0.022	0	257.149
Stage6	-9.45	479.284	115.686	UL-RL 0.165 10.98	0.165	10.98	275.2	147.637	0.022	0	263.322
Stage6	-9.85	485.753	117.947	UL-RL 0.165 10.98	0.165	10.98	275.2	151.548	0.022	0	269.495
Stage6	-10.25	492.222	120.208	UL-RL 0.165 10.98	0.165	10.98	275.2	155.459	0.022	0	275.667
Stage6	-10.65	498.692	122.468	UL-RL 0.165 10.98	0.165	10.98	275.2	159.37	0.022	0	281.837
Stage6	-11.05	505.299	124.727	UL-RL 0.165 10.98	0.165	10.98	275.2	163.281	0.022	0	288.007
Stage6	-11.45	511.768	126.985	UL-RL 0.165 10.98	0.165	10.98	275.2	167.192	0.022	0	294.176
Stage6	-11.85	518.237	129.243	UL-RL 0.165 10.98	0.165	10.98	275.2	171.102	0.022	0	300.345
Stage6	-12.25	524.708	131.5	UL-RL 0.165 10.98	0.165	10.98	275.2	175.013	0.022	0	306.513
Stage6	-12.65	531.178	133.757	UL-RL 0.165 10.98	0.165	10.98	275.2	178.924	0.022	0	312.681
Stage6	-13.05	537.649	136.013	UL-RL 0.165 10.98	0.165	10.98	275.2	182.835	0.022	0	318.848
Stage6	-13.45	544.121	138.269	UL-RL 0.165 10.98	0.165	10.98	275.2	186.746	0.022	0	325.016
Stage6	-13.85	550.593	140.525	UL-RL 0.165 10.98	0.165	10.98	275.2	190.657	0.022	0	331.182
Stage6	-14.25	557.065	142.781	UL-RL 0.165 10.98	0.165	10.98	275.2	194.568	0.022	0	337.349
Stage6	-14.65	563.538	145.037	UL-RL 0.165 10.98	0.165	10.98	275.2	198.479	0.022	0	343.516
Stage6	-15.05	570.011	147.292	UL-RL 0.165 10.98	0.165	10.98	275.2	202.39	0.022	0	349.682
Stage6	-15.45	576.603	149.548	UL-RL 0.165 10.98	0.165	10.98	275.2	206.301	0.022	0	355.848
Stage6	-15.85	583.076	151.803	UL-RL 0.165 10.98	0.165	10.98	275.2	210.212	0.022	0	362.015
Stage6	-16.25	589.548	154.059	UL-RL 0.165 10.98	0.165	10.98	275.2	214.122	0.022	0	368.181
Stage6	-16.65	596.022	156.314	UL-RL 0.165 10.98	0.165	10.98	275.2	218.033	0.022	0	374.348
Stage6	-17.05	602.496	158.57	UL-RL 0.165 10.98	0.165	10.98	275.2	221.944	0.022	0	380.514
Stage6	-17.3	606.584	159.981	UL-RL 0.165 10.98	0.165	10.98	275.2	224.389	0.022	0	384.369

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage7

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro:		Lato	LEFT			
				Stato	Ka		Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)
Stage7	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage7	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage7	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage7	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage7	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage7	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage7	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage7	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage7	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage7	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage7	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage7	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage7	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage7	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage7	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage7	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage7	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage7	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage7	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage7	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage7	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage7	7.55	185.976	0.591	UL-RL	0.165	10.98	275.2	0	0	0.591
Stage7	7.15	196.274	1.056	UL-RL	0.165	10.98	275.2	0	0	1.056
Stage7	6.75	206.58	1.19	UL-RL	0.165	10.98	275.2	0	0	1.19
Stage7	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage7	5.95	227.213	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.55	237.896	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.15	248.215	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.75	258.538	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.35	268.867	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.95	279.2	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.55	289.538	2.682	UL-RL	0.165	10.98	275.2	0	0	2.682
Stage7	3.15	299.879	5.118	UL-RL	0.165	10.98	275.2	0	0	5.118
Stage7	2.75	310.224	3.04	UL-RL	0.165	10.98	275.2	0	0	3.04
Stage7	2.35	320.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.95	330.922	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.55	341.275	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.15	351.631	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.75	362.233	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.35	372.587	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.05	382.943	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.45	393.301	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-1.25	411.118	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	2.905
Stage7	-1.45	414.469	0	ACTIVE	0.165	10.98	275.2	4.842	0.032	4.842
Stage7	-1.85	420.957	14.466	UL-RL	0.165	10.98	275.2	8.716	0.032	23.182
Stage7	-2.25	427.447	31.954	UL-RL	0.165	10.98	275.2	12.59	0.032	44.543
Stage7	-2.65	433.938	46.47	UL-RL	0.165	10.98	275.2	16.464	0.032	62.934
Stage7	-3.05	440.431	56.139	UL-RL	0.165	10.98	275.2	20.338	0.032	76.476
Stage7	-3.45	446.925	61.989	UL-RL	0.165	10.98	275.2	24.211	0.032	86.201
Stage7	-3.85	453.421	65.665	UL-RL	0.165	10.98	275.2	28.085	0.032	93.75
Stage7	-4.25	459.917	68.43	UL-RL	0.165	10.98	275.2	31.959	0.032	100.389
Stage7	-4.65	466.415	70.982	UL-RL	0.165	10.98	275.2	35.833	0.032	106.815
Stage7	-5.05	472.914	73.591	UL-RL	0.165	10.98	275.2	39.707	0.032	113.298
Stage7	-5.45	479.414	76.297	UL-RL	0.165	10.98	275.2	43.58	0.032	119.877
Stage7	-5.85	485.914	79.056	UL-RL	0.165	10.98	275.2	47.454	0.032	126.51
Stage7	-6.25	492.583	81.817	UL-RL	0.165	10.98	275.2	51.328	0.032	133.145
Stage7	-6.65	499.082	84.548	UL-RL	0.165	10.98	275.2	55.202	0.032	139.75
Stage7	-7.05	505.583	87.238	UL-RL	0.165	10.98	275.2	59.076	0.032	146.314
Stage7	-7.45	512.084	89.886	UL-RL	0.165	10.98	275.2	62.95	0.032	152.836

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-7.85	518.586	92.499	UL-RL	0.165	10.98	275.2	66.823	0.032	0	159.322
Stage7	-8.25	525.089	95.083	UL-RL	0.165	10.98	275.2	70.697	0.032	0	165.78
Stage7	-8.65	531.593	97.644	UL-RL	0.165	10.98	275.2	74.571	0.032	0	172.215
Stage7	-9.05	538.097	100.184	UL-RL	0.165	10.98	275.2	78.445	0.032	0	178.629
Stage7	-9.45	544.602	102.708	UL-RL	0.165	10.98	275.2	82.319	0.032	0	185.027
Stage7	-9.85	551.108	105.217	UL-RL	0.165	10.98	275.2	86.192	0.032	0	191.409
Stage7	-10.25	557.614	107.712	UL-RL	0.165	10.98	275.2	90.066	0.032	0	197.778
Stage7	-10.65	564.121	110.195	UL-RL	0.165	10.98	275.2	93.94	0.032	0	204.135
Stage7	-11.05	570.766	112.666	UL-RL	0.165	10.98	275.2	97.814	0.032	0	210.48
Stage7	-11.45	577.272	115.128	UL-RL	0.165	10.98	275.2	101.688	0.032	0	216.816
Stage7	-11.85	583.778	117.58	UL-RL	0.165	10.98	275.2	105.562	0.032	0	223.142
Stage7	-12.25	590.286	120.024	UL-RL	0.165	10.98	275.2	109.435	0.032	0	229.46
Stage7	-12.65	596.793	122.46	UL-RL	0.165	10.98	275.2	113.309	0.032	0	235.77
Stage7	-13.05	603.302	124.89	UL-RL	0.165	10.98	275.2	117.183	0.032	0	242.073
Stage7	-13.45	609.81	127.312	UL-RL	0.165	10.98	275.2	121.057	0.032	0	248.369
Stage7	-13.85	616.319	129.73	UL-RL	0.165	10.98	275.2	124.931	0.032	0	254.66
Stage7	-14.25	622.829	132.141	UL-RL	0.165	10.98	275.2	128.804	0.032	0	260.945
Stage7	-14.65	629.339	134.547	UL-RL	0.165	10.98	275.2	132.678	0.032	0	267.226
Stage7	-15.05	635.849	136.949	UL-RL	0.165	10.98	275.2	136.552	0.032	0	273.501
Stage7	-15.45	642.478	139.346	UL-RL	0.165	10.98	275.2	140.426	0.032	0	279.772
Stage7	-15.85	648.987	141.74	UL-RL	0.165	10.98	275.2	144.3	0.032	0	286.039
Stage7	-16.25	655.498	144.129	UL-RL	0.165	10.98	275.2	148.173	0.032	0	292.303
Stage7	-16.65	662.008	146.517	UL-RL	0.165	10.98	275.2	152.047	0.032	0	298.564
Stage7	-17.05	668.519	148.903	UL-RL	0.165	10.98	275.2	155.921	0.032	0	304.824
Stage7	-17.3	672.63	150.394	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.736

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)		
Stage7	15.7	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	15.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	14.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	14.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	14.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	13.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	13.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	12.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	12.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	12.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	11.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	11.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	10.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	10.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	10.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	9.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	9.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	9.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	8.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	8.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	7.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	7.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	7.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	6.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	6.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	5.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	5.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	5.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	4.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	4.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	3.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	3.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	3.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	2.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	2.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	1.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	1.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	1.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	0.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	0.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-0.05	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-0.45	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-0.85	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-1.25	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-1.45	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-1.85	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-2.25	4.705	63.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	66.972	
Stage7	-2.65	10.979	64.893	UL-RL	0.165	10.98	275.2	7.221	0.032	0	72.113	
Stage7	-3.05	17.253	66.456	UL-RL	0.165	10.98	275.2	11.347	0.032	0	77.803	
Stage7	-3.45	23.527	68.97	UL-RL	0.165	10.98	275.2	15.473	0.032	0	84.443	
Stage7	-3.85	29.801	72.01	UL-RL	0.165	10.98	275.2	19.599	0.032	0	91.61	
Stage7	-4.25	36.074	75.164	UL-RL	0.165	10.98	275.2	23.726	0.032	0	98.89	
Stage7	-4.65	42.348	78.208	UL-RL	0.165	10.98	275.2	27.852	0.032	0	106.059	
Stage7	-5.05	48.622	81.073	UL-RL	0.165	10.98	275.2	31.978	0.032	0	113.051	
Stage7	-5.45	54.896	83.776	UL-RL	0.165	10.98	275.2	36.104	0.032	0	119.88	
Stage7	-5.85	61.17	86.359	UL-RL	0.165	10.98	275.2	40.23	0.032	0	126.589	
Stage7	-6.25	67.444	88.861	UL-RL	0.165	10.98	275.2	44.356	0.032	0	133.218	
Stage7	-6.65	73.717	91.31	UL-RL	0.165	10.98	275.2	48.483	0.032	0	139.793	
Stage7	-7.05	79.991	93.721	UL-RL	0.165	10.98	275.2	52.609	0.032	0	146.33	
Stage7	-7.45	86.265	96.102	UL-RL	0.165	10.98	275.2	56.735	0.032	0	152.837	
Stage7	-7.85	92.539	98.456	UL-RL	0.165	10.98	275.2	60.861	0.032	0	159.318	
Stage7	-8.25	98.813	100.787	UL-RL	0.165	10.98	275.2	64.987	0.032	0	165.775	
Stage7	-8.65	105.086	103.097	UL-RL	0.165	10.98	275.2	69.114	0.032	0	172.21	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-9.05	111.36	105.387	UL-RL	0.165	10.98	275.2	73.24	0.032	0	178.627
Stage7	-9.45	117.634	107.659	UL-RL	0.165	10.98	275.2	77.366	0.032	0	185.025
Stage7	-9.85	123.908	109.916	UL-RL	0.165	10.98	275.2	81.492	0.032	0	191.408
Stage7	-10.25	130.182	112.16	UL-RL	0.165	10.98	275.2	85.618	0.032	0	197.778
Stage7	-10.65	136.456	114.39	UL-RL	0.165	10.98	275.2	89.744	0.032	0	204.134
Stage7	-11.05	142.729	116.609	UL-RL	0.165	10.98	275.2	93.871	0.032	0	210.48
Stage7	-11.45	149.003	118.818	UL-RL	0.165	10.98	275.2	97.997	0.032	0	216.815
Stage7	-11.85	155.277	121.018	UL-RL	0.165	10.98	275.2	102.123	0.032	0	223.142
Stage7	-12.25	161.551	123.21	UL-RL	0.165	10.98	275.2	106.249	0.032	0	229.459
Stage7	-12.65	167.825	125.394	UL-RL	0.165	10.98	275.2	110.375	0.032	0	235.769
Stage7	-13.05	174.098	127.571	UL-RL	0.165	10.98	275.2	114.502	0.032	0	242.072
Stage7	-13.45	180.372	129.741	UL-RL	0.165	10.98	275.2	118.628	0.032	0	248.369
Stage7	-13.85	186.646	131.906	UL-RL	0.165	10.98	275.2	122.754	0.032	0	254.66
Stage7	-14.25	192.92	134.065	UL-RL	0.165	10.98	275.2	126.88	0.032	0	260.945
Stage7	-14.65	199.194	136.219	UL-RL	0.165	10.98	275.2	131.006	0.032	0	267.225
Stage7	-15.05	205.467	138.369	UL-RL	0.165	10.98	275.2	135.132	0.032	0	273.501
Stage7	-15.45	211.741	140.514	UL-RL	0.165	10.98	275.2	139.259	0.032	0	279.773
Stage7	-15.85	218.015	142.656	UL-RL	0.165	10.98	275.2	143.385	0.032	0	286.04
Stage7	-16.25	224.289	144.793	UL-RL	0.165	10.98	275.2	147.511	0.032	0	292.304
Stage7	-16.65	230.563	146.927	UL-RL	0.165	10.98	275.2	151.637	0.032	0	298.564
Stage7	-17.05	236.836	149.057	UL-RL	0.165	10.98	275.2	155.763	0.032	0	304.82
Stage7	-17.3	240.758	150.386	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage7

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato		LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-2.25	4.705	63.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	66.972
Stage7	-2.65	10.979	64.893	UL-RL	0.165	10.98	275.2	7.221	0.032	0	72.113
Stage7	-3.05	17.253	66.456	UL-RL	0.165	10.98	275.2	11.347	0.032	0	77.803
Stage7	-3.45	23.527	68.97	UL-RL	0.165	10.98	275.2	15.473	0.032	0	84.443
Stage7	-3.85	29.801	72.01	UL-RL	0.165	10.98	275.2	19.599	0.032	0	91.61
Stage7	-4.25	36.074	75.164	UL-RL	0.165	10.98	275.2	23.726	0.032	0	98.89
Stage7	-4.65	42.348	78.208	UL-RL	0.165	10.98	275.2	27.852	0.032	0	106.059
Stage7	-5.05	48.622	81.073	UL-RL	0.165	10.98	275.2	31.978	0.032	0	113.051
Stage7	-5.45	54.896	83.776	UL-RL	0.165	10.98	275.2	36.104	0.032	0	119.88
Stage7	-5.85	61.17	86.359	UL-RL	0.165	10.98	275.2	40.23	0.032	0	126.589
Stage7	-6.25	67.444	88.861	UL-RL	0.165	10.98	275.2	44.356	0.032	0	133.218
Stage7	-6.65	73.717	91.31	UL-RL	0.165	10.98	275.2	48.483	0.032	0	139.793
Stage7	-7.05	79.991	93.721	UL-RL	0.165	10.98	275.2	52.609	0.032	0	146.33
Stage7	-7.45	86.265	96.102	UL-RL	0.165	10.98	275.2	56.735	0.032	0	152.837

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-7.85	92.539	98.456	UL-RL	0.165	10.98	275.2	60.861	0.032	0	159.318
Stage7	-8.25	98.813	100.787	UL-RL	0.165	10.98	275.2	64.987	0.032	0	165.775
Stage7	-8.65	105.086	103.097	UL-RL	0.165	10.98	275.2	69.114	0.032	0	172.21
Stage7	-9.05	111.36	105.387	UL-RL	0.165	10.98	275.2	73.24	0.032	0	178.627
Stage7	-9.45	117.634	107.659	UL-RL	0.165	10.98	275.2	77.366	0.032	0	185.025
Stage7	-9.85	123.908	109.916	UL-RL	0.165	10.98	275.2	81.492	0.032	0	191.408
Stage7	-10.25	130.182	112.16	UL-RL	0.165	10.98	275.2	85.618	0.032	0	197.778
Stage7	-10.65	136.456	114.39	UL-RL	0.165	10.98	275.2	89.744	0.032	0	204.134
Stage7	-11.05	142.729	116.609	UL-RL	0.165	10.98	275.2	93.871	0.032	0	210.48
Stage7	-11.45	149.003	118.818	UL-RL	0.165	10.98	275.2	97.997	0.032	0	216.815
Stage7	-11.85	155.277	121.018	UL-RL	0.165	10.98	275.2	102.123	0.032	0	223.142
Stage7	-12.25	161.551	123.21	UL-RL	0.165	10.98	275.2	106.249	0.032	0	229.459
Stage7	-12.65	167.825	125.394	UL-RL	0.165	10.98	275.2	110.375	0.032	0	235.769
Stage7	-13.05	174.098	127.571	UL-RL	0.165	10.98	275.2	114.502	0.032	0	242.072
Stage7	-13.45	180.372	129.741	UL-RL	0.165	10.98	275.2	118.628	0.032	0	248.369
Stage7	-13.85	186.646	131.906	UL-RL	0.165	10.98	275.2	122.754	0.032	0	254.66
Stage7	-14.25	192.92	134.065	UL-RL	0.165	10.98	275.2	126.88	0.032	0	260.945
Stage7	-14.65	199.194	136.219	UL-RL	0.165	10.98	275.2	131.006	0.032	0	267.225
Stage7	-15.05	205.467	138.369	UL-RL	0.165	10.98	275.2	135.132	0.032	0	273.501
Stage7	-15.45	211.741	140.514	UL-RL	0.165	10.98	275.2	139.259	0.032	0	279.773
Stage7	-15.85	218.015	142.656	UL-RL	0.165	10.98	275.2	143.385	0.032	0	286.04
Stage7	-16.25	224.289	144.793	UL-RL	0.165	10.98	275.2	147.511	0.032	0	292.304
Stage7	-16.65	230.563	146.927	UL-RL	0.165	10.98	275.2	151.637	0.032	0	298.564
Stage7	-17.05	236.836	149.057	UL-RL	0.165	10.98	275.2	155.763	0.032	0	304.82
Stage7	-17.3	240.758	150.386	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage7	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage7	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage7	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage7	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage7	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage7	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage7	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage7	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage7	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage7	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage7	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage7	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage7	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage7	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage7	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage7	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage7	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage7	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage7	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage7	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage7	7.55	185.976	0.591	UL-RL	0.165	10.98	275.2	0	0	0.591
Stage7	7.15	196.274	1.056	UL-RL	0.165	10.98	275.2	0	0	1.056
Stage7	6.75	206.58	1.19	UL-RL	0.165	10.98	275.2	0	0	1.19
Stage7	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage7	5.95	227.213	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.55	237.896	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.15	248.215	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.75	258.538	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.35	268.867	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.95	279.2	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.55	289.538	2.682	UL-RL	0.165	10.98	275.2	0	0	2.682
Stage7	3.15	299.879	5.118	UL-RL	0.165	10.98	275.2	0	0	5.118
Stage7	2.75	310.224	3.04	UL-RL	0.165	10.98	275.2	0	0	3.04
Stage7	2.35	320.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.95	330.922	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.55	341.275	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.15	351.631	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.75	362.233	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.35	372.587	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.05	382.943	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.45	393.301	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-1.25	411.118	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	2.905
Stage7	-1.45	414.469	0	ACTIVE	0.165	10.98	275.2	4.842	0.032	4.842
Stage7	-1.85	420.957	14.466	UL-RL	0.165	10.98	275.2	8.716	0.032	23.182
Stage7	-2.25	427.447	31.954	UL-RL	0.165	10.98	275.2	12.59	0.032	44.543
Stage7	-2.65	433.938	46.47	UL-RL	0.165	10.98	275.2	16.464	0.032	62.934
Stage7	-3.05	440.431	56.139	UL-RL	0.165	10.98	275.2	20.338	0.032	76.476
Stage7	-3.45	446.925	61.989	UL-RL	0.165	10.98	275.2	24.211	0.032	86.201
Stage7	-3.85	453.421	65.665	UL-RL	0.165	10.98	275.2	28.085	0.032	93.75
Stage7	-4.25	459.917	68.43	UL-RL	0.165	10.98	275.2	31.959	0.032	100.389
Stage7	-4.65	466.415	70.982	UL-RL	0.165	10.98	275.2	35.833	0.032	106.815
Stage7	-5.05	472.914	73.591	UL-RL	0.165	10.98	275.2	39.707	0.032	113.298
Stage7	-5.45	479.414	76.297	UL-RL	0.165	10.98	275.2	43.58	0.032	119.877
Stage7	-5.85	485.914	79.056	UL-RL	0.165	10.98	275.2	47.454	0.032	126.51
Stage7	-6.25	492.583	81.817	UL-RL	0.165	10.98	275.2	51.328	0.032	133.145
Stage7	-6.65	499.082	84.548	UL-RL	0.165	10.98	275.2	55.202	0.032	139.75
Stage7	-7.05	505.583	87.238	UL-RL	0.165	10.98	275.2	59.076	0.032	146.314
Stage7	-7.45	512.084	89.886	UL-RL	0.165	10.98	275.2	62.95	0.032	152.836
Stage7	-7.85	518.586	92.499	UL-RL	0.165	10.98	275.2	66.823	0.032	159.322
Stage7	-8.25	525.089	95.083	UL-RL	0.165	10.98	275.2	70.697	0.032	165.78
Stage7	-8.65	531.593	97.644	UL-RL	0.165	10.98	275.2	74.571	0.032	172.215

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-9.05	538.097	100.184	UL-RL	0.165	10.98	275.2	78.445	0.032	0	178.629
Stage7	-9.45	544.602	102.708	UL-RL	0.165	10.98	275.2	82.319	0.032	0	185.027
Stage7	-9.85	551.108	105.217	UL-RL	0.165	10.98	275.2	86.192	0.032	0	191.409
Stage7	-10.25	557.614	107.712	UL-RL	0.165	10.98	275.2	90.066	0.032	0	197.778
Stage7	-10.65	564.121	110.195	UL-RL	0.165	10.98	275.2	93.94	0.032	0	204.135
Stage7	-11.05	570.766	112.666	UL-RL	0.165	10.98	275.2	97.814	0.032	0	210.48
Stage7	-11.45	577.272	115.128	UL-RL	0.165	10.98	275.2	101.688	0.032	0	216.816
Stage7	-11.85	583.778	117.58	UL-RL	0.165	10.98	275.2	105.562	0.032	0	223.142
Stage7	-12.25	590.286	120.024	UL-RL	0.165	10.98	275.2	109.435	0.032	0	229.46
Stage7	-12.65	596.793	122.46	UL-RL	0.165	10.98	275.2	113.309	0.032	0	235.77
Stage7	-13.05	603.302	124.89	UL-RL	0.165	10.98	275.2	117.183	0.032	0	242.073
Stage7	-13.45	609.81	127.312	UL-RL	0.165	10.98	275.2	121.057	0.032	0	248.369
Stage7	-13.85	616.319	129.73	UL-RL	0.165	10.98	275.2	124.931	0.032	0	254.66
Stage7	-14.25	622.829	132.141	UL-RL	0.165	10.98	275.2	128.804	0.032	0	260.945
Stage7	-14.65	629.339	134.547	UL-RL	0.165	10.98	275.2	132.678	0.032	0	267.226
Stage7	-15.05	635.849	136.949	UL-RL	0.165	10.98	275.2	136.552	0.032	0	273.501
Stage7	-15.45	642.478	139.346	UL-RL	0.165	10.98	275.2	140.426	0.032	0	279.772
Stage7	-15.85	648.987	141.74	UL-RL	0.165	10.98	275.2	144.3	0.032	0	286.039
Stage7	-16.25	655.498	144.129	UL-RL	0.165	10.98	275.2	148.173	0.032	0	292.303
Stage7	-16.65	662.008	146.517	UL-RL	0.165	10.98	275.2	152.047	0.032	0	298.564
Stage7	-17.05	668.519	148.903	UL-RL	0.165	10.98	275.2	155.921	0.032	0	304.824
Stage7	-17.3	672.63	150.394	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.736

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage8

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT		Lato		LEFT	
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage8	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage8	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage8	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage8	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage8	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage8	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage8	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage8	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage8	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage8	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage8	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage8	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage8	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage8	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage8	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage8	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage8	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage8	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage8	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage8	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage8	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage8	7.55	185.976	0.591	UL-RL	0.165	10.98	275.2	0	0	0.591
Stage8	7.15	196.274	1.056	UL-RL	0.165	10.98	275.2	0	0	1.056
Stage8	6.75	206.58	1.19	UL-RL	0.165	10.98	275.2	0	0	1.19
Stage8	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage8	5.95	227.213	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.55	237.896	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.15	248.215	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.75	258.538	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.35	268.867	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.95	279.2	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.55	289.538	2.682	UL-RL	0.165	10.98	275.2	0	0	2.682
Stage8	3.15	299.879	5.118	UL-RL	0.165	10.98	275.2	0	0	5.118
Stage8	2.75	310.224	3.04	UL-RL	0.165	10.98	275.2	0	0	3.04
Stage8	2.35	320.572	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.95	330.922	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.55	341.275	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.15	351.631	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.75	362.233	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.35	372.587	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	-0.05	382.943	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.45	393.301	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-1.25	411.118	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	2.905
Stage8	-1.45	414.469	0	ACTIVE	0.165	10.98	275.2	4.842	0.032	4.842
Stage8	-1.85	420.957	14.466	UL-RL	0.165	10.98	275.2	8.716	0.032	23.182
Stage8	-2.25	427.447	31.954	UL-RL	0.165	10.98	275.2	12.59	0.032	44.543
Stage8	-2.65	433.938	46.47	UL-RL	0.165	10.98	275.2	16.464	0.032	62.934
Stage8	-3.05	440.431	56.139	UL-RL	0.165	10.98	275.2	20.338	0.032	76.476
Stage8	-3.45	446.925	61.989	UL-RL	0.165	10.98	275.2	24.211	0.032	86.201
Stage8	-3.85	453.421	65.665	UL-RL	0.165	10.98	275.2	28.085	0.032	93.75
Stage8	-4.25	459.917	68.43	UL-RL	0.165	10.98	275.2	31.959	0.032	100.389
Stage8	-4.65	466.415	70.982	UL-RL	0.165	10.98	275.2	35.833	0.032	106.815
Stage8	-5.05	472.914	73.591	UL-RL	0.165	10.98	275.2	39.707	0.032	113.298
Stage8	-5.45	479.414	76.297	UL-RL	0.165	10.98	275.2	43.58	0.032	119.877
Stage8	-5.85	485.914	79.056	UL-RL	0.165	10.98	275.2	47.454	0.032	126.51
Stage8	-6.25	492.583	81.817	UL-RL	0.165	10.98	275.2	51.328	0.032	133.145
Stage8	-6.65	499.082	84.548	UL-RL	0.165	10.98	275.2	55.202	0.032	139.75
Stage8	-7.05	505.583	87.238	UL-RL	0.165	10.98	275.2	59.076	0.032	146.314
Stage8	-7.45	512.084	89.886	UL-RL	0.165	10.98	275.2	62.95	0.032	152.836

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-7.85	518.586	92.499	UL-RL	0.165	10.98	275.2	66.823	0.032	0	159.322
Stage8	-8.25	525.089	95.083	UL-RL	0.165	10.98	275.2	70.697	0.032	0	165.78
Stage8	-8.65	531.593	97.644	UL-RL	0.165	10.98	275.2	74.571	0.032	0	172.215
Stage8	-9.05	538.097	100.184	UL-RL	0.165	10.98	275.2	78.445	0.032	0	178.629
Stage8	-9.45	544.602	102.708	UL-RL	0.165	10.98	275.2	82.319	0.032	0	185.027
Stage8	-9.85	551.108	105.217	UL-RL	0.165	10.98	275.2	86.192	0.032	0	191.409
Stage8	-10.25	557.614	107.712	UL-RL	0.165	10.98	275.2	90.066	0.032	0	197.778
Stage8	-10.65	564.121	110.195	UL-RL	0.165	10.98	275.2	93.94	0.032	0	204.135
Stage8	-11.05	570.766	112.666	UL-RL	0.165	10.98	275.2	97.814	0.032	0	210.48
Stage8	-11.45	577.272	115.128	UL-RL	0.165	10.98	275.2	101.688	0.032	0	216.816
Stage8	-11.85	583.778	117.58	UL-RL	0.165	10.98	275.2	105.562	0.032	0	223.142
Stage8	-12.25	590.286	120.024	UL-RL	0.165	10.98	275.2	109.435	0.032	0	229.46
Stage8	-12.65	596.793	122.46	UL-RL	0.165	10.98	275.2	113.309	0.032	0	235.77
Stage8	-13.05	603.302	124.89	UL-RL	0.165	10.98	275.2	117.183	0.032	0	242.073
Stage8	-13.45	609.81	127.312	UL-RL	0.165	10.98	275.2	121.057	0.032	0	248.369
Stage8	-13.85	616.319	129.73	UL-RL	0.165	10.98	275.2	124.931	0.032	0	254.66
Stage8	-14.25	622.829	132.141	UL-RL	0.165	10.98	275.2	128.804	0.032	0	260.945
Stage8	-14.65	629.339	134.547	UL-RL	0.165	10.98	275.2	132.678	0.032	0	267.226
Stage8	-15.05	635.849	136.949	UL-RL	0.165	10.98	275.2	136.552	0.032	0	273.501
Stage8	-15.45	642.478	139.346	UL-RL	0.165	10.98	275.2	140.426	0.032	0	279.772
Stage8	-15.85	648.987	141.74	UL-RL	0.165	10.98	275.2	144.3	0.032	0	286.039
Stage8	-16.25	655.498	144.129	UL-RL	0.165	10.98	275.2	148.173	0.032	0	292.303
Stage8	-16.65	662.008	146.517	UL-RL	0.165	10.98	275.2	152.047	0.032	0	298.564
Stage8	-17.05	668.519	148.903	UL-RL	0.165	10.98	275.2	155.921	0.032	0	304.824
Stage8	-17.3	672.63	150.394	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.736

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-2.25	4.705	63.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	66.972
Stage8	-2.65	10.979	64.893	UL-RL	0.165	10.98	275.2	7.221	0.032	0	72.113
Stage8	-3.05	17.253	66.456	UL-RL	0.165	10.98	275.2	11.347	0.032	0	77.803
Stage8	-3.45	23.527	68.97	UL-RL	0.165	10.98	275.2	15.473	0.032	0	84.443
Stage8	-3.85	29.801	72.01	UL-RL	0.165	10.98	275.2	19.599	0.032	0	91.61
Stage8	-4.25	36.074	75.164	UL-RL	0.165	10.98	275.2	23.726	0.032	0	98.89
Stage8	-4.65	42.348	78.208	UL-RL	0.165	10.98	275.2	27.852	0.032	0	106.059
Stage8	-5.05	48.622	81.073	UL-RL	0.165	10.98	275.2	31.978	0.032	0	113.051
Stage8	-5.45	54.896	83.776	UL-RL	0.165	10.98	275.2	36.104	0.032	0	119.88
Stage8	-5.85	61.17	86.359	UL-RL	0.165	10.98	275.2	40.23	0.032	0	126.589
Stage8	-6.25	67.444	88.861	UL-RL	0.165	10.98	275.2	44.356	0.032	0	133.218
Stage8	-6.65	73.717	91.31	UL-RL	0.165	10.98	275.2	48.483	0.032	0	139.793
Stage8	-7.05	79.991	93.721	UL-RL	0.165	10.98	275.2	52.609	0.032	0	146.33
Stage8	-7.45	86.265	96.102	UL-RL	0.165	10.98	275.2	56.735	0.032	0	152.837
Stage8	-7.85	92.539	98.456	UL-RL	0.165	10.98	275.2	60.861	0.032	0	159.318
Stage8	-8.25	98.813	100.787	UL-RL	0.165	10.98	275.2	64.987	0.032	0	165.775
Stage8	-8.65	105.086	103.097	UL-RL	0.165	10.98	275.2	69.114	0.032	0	172.21

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-9.05	111.36	105.387	UL-RL	0.165	10.98	275.2	73.24	0.032	0	178.627
Stage8	-9.45	117.634	107.659	UL-RL	0.165	10.98	275.2	77.366	0.032	0	185.025
Stage8	-9.85	123.908	109.916	UL-RL	0.165	10.98	275.2	81.492	0.032	0	191.408
Stage8	-10.25	130.182	112.16	UL-RL	0.165	10.98	275.2	85.618	0.032	0	197.778
Stage8	-10.65	136.456	114.39	UL-RL	0.165	10.98	275.2	89.744	0.032	0	204.134
Stage8	-11.05	142.729	116.609	UL-RL	0.165	10.98	275.2	93.871	0.032	0	210.48
Stage8	-11.45	149.003	118.818	UL-RL	0.165	10.98	275.2	97.997	0.032	0	216.815
Stage8	-11.85	155.277	121.018	UL-RL	0.165	10.98	275.2	102.123	0.032	0	223.142
Stage8	-12.25	161.551	123.21	UL-RL	0.165	10.98	275.2	106.249	0.032	0	229.459
Stage8	-12.65	167.825	125.394	UL-RL	0.165	10.98	275.2	110.375	0.032	0	235.769
Stage8	-13.05	174.098	127.571	UL-RL	0.165	10.98	275.2	114.502	0.032	0	242.072
Stage8	-13.45	180.372	129.741	UL-RL	0.165	10.98	275.2	118.628	0.032	0	248.369
Stage8	-13.85	186.646	131.906	UL-RL	0.165	10.98	275.2	122.754	0.032	0	254.66
Stage8	-14.25	192.92	134.065	UL-RL	0.165	10.98	275.2	126.88	0.032	0	260.945
Stage8	-14.65	199.194	136.219	UL-RL	0.165	10.98	275.2	131.006	0.032	0	267.225
Stage8	-15.05	205.467	138.369	UL-RL	0.165	10.98	275.2	135.132	0.032	0	273.501
Stage8	-15.45	211.741	140.514	UL-RL	0.165	10.98	275.2	139.259	0.032	0	279.773
Stage8	-15.85	218.015	142.656	UL-RL	0.165	10.98	275.2	143.385	0.032	0	286.04
Stage8	-16.25	224.289	144.793	UL-RL	0.165	10.98	275.2	147.511	0.032	0	292.304
Stage8	-16.65	230.563	146.927	UL-RL	0.165	10.98	275.2	151.637	0.032	0	298.564
Stage8	-17.05	236.836	149.057	UL-RL	0.165	10.98	275.2	155.763	0.032	0	304.82
Stage8	-17.3	240.758	150.386	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage8

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-2.25	4.705	63.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	66.972
Stage8	-2.65	10.979	64.893	UL-RL	0.165	10.98	275.2	7.221	0.032	0	72.113
Stage8	-3.05	17.253	66.456	UL-RL	0.165	10.98	275.2	11.347	0.032	0	77.803
Stage8	-3.45	23.527	68.97	UL-RL	0.165	10.98	275.2	15.473	0.032	0	84.443
Stage8	-3.85	29.801	72.01	UL-RL	0.165	10.98	275.2	19.599	0.032	0	91.61
Stage8	-4.25	36.074	75.164	UL-RL	0.165	10.98	275.2	23.726	0.032	0	98.89
Stage8	-4.65	42.348	78.208	UL-RL	0.165	10.98	275.2	27.852	0.032	0	106.059
Stage8	-5.05	48.622	81.073	UL-RL	0.165	10.98	275.2	31.978	0.032	0	113.051
Stage8	-5.45	54.896	83.776	UL-RL	0.165	10.98	275.2	36.104	0.032	0	119.88
Stage8	-5.85	61.17	86.359	UL-RL	0.165	10.98	275.2	40.23	0.032	0	126.589
Stage8	-6.25	67.444	88.861	UL-RL	0.165	10.98	275.2	44.356	0.032	0	133.218
Stage8	-6.65	73.717	91.31	UL-RL	0.165	10.98	275.2	48.483	0.032	0	139.793
Stage8	-7.05	79.991	93.721	UL-RL	0.165	10.98	275.2	52.609	0.032	0	146.33
Stage8	-7.45	86.265	96.102	UL-RL	0.165	10.98	275.2	56.735	0.032	0	152.837

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-7.85	92.539	98.456	UL-RL	0.165	10.98	275.2	60.861	0.032	0	159.318
Stage8	-8.25	98.813	100.787	UL-RL	0.165	10.98	275.2	64.987	0.032	0	165.775
Stage8	-8.65	105.086	103.097	UL-RL	0.165	10.98	275.2	69.114	0.032	0	172.21
Stage8	-9.05	111.36	105.387	UL-RL	0.165	10.98	275.2	73.24	0.032	0	178.627
Stage8	-9.45	117.634	107.659	UL-RL	0.165	10.98	275.2	77.366	0.032	0	185.025
Stage8	-9.85	123.908	109.916	UL-RL	0.165	10.98	275.2	81.492	0.032	0	191.408
Stage8	-10.25	130.182	112.16	UL-RL	0.165	10.98	275.2	85.618	0.032	0	197.778
Stage8	-10.65	136.456	114.39	UL-RL	0.165	10.98	275.2	89.744	0.032	0	204.134
Stage8	-11.05	142.729	116.609	UL-RL	0.165	10.98	275.2	93.871	0.032	0	210.48
Stage8	-11.45	149.003	118.818	UL-RL	0.165	10.98	275.2	97.997	0.032	0	216.815
Stage8	-11.85	155.277	121.018	UL-RL	0.165	10.98	275.2	102.123	0.032	0	223.142
Stage8	-12.25	161.551	123.21	UL-RL	0.165	10.98	275.2	106.249	0.032	0	229.459
Stage8	-12.65	167.825	125.394	UL-RL	0.165	10.98	275.2	110.375	0.032	0	235.769
Stage8	-13.05	174.098	127.571	UL-RL	0.165	10.98	275.2	114.502	0.032	0	242.072
Stage8	-13.45	180.372	129.741	UL-RL	0.165	10.98	275.2	118.628	0.032	0	248.369
Stage8	-13.85	186.646	131.906	UL-RL	0.165	10.98	275.2	122.754	0.032	0	254.66
Stage8	-14.25	192.92	134.065	UL-RL	0.165	10.98	275.2	126.88	0.032	0	260.945
Stage8	-14.65	199.194	136.219	UL-RL	0.165	10.98	275.2	131.006	0.032	0	267.225
Stage8	-15.05	205.467	138.369	UL-RL	0.165	10.98	275.2	135.132	0.032	0	273.501
Stage8	-15.45	211.741	140.514	UL-RL	0.165	10.98	275.2	139.259	0.032	0	279.773
Stage8	-15.85	218.015	142.656	UL-RL	0.165	10.98	275.2	143.385	0.032	0	286.04
Stage8	-16.25	224.289	144.793	UL-RL	0.165	10.98	275.2	147.511	0.032	0	292.304
Stage8	-16.65	230.563	146.927	UL-RL	0.165	10.98	275.2	151.637	0.032	0	298.564
Stage8	-17.05	236.836	149.057	UL-RL	0.165	10.98	275.2	155.763	0.032	0	304.82
Stage8	-17.3	240.758	150.386	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage8	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage8	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage8	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage8	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage8	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage8	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage8	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage8	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage8	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage8	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage8	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage8	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage8	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage8	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage8	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage8	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage8	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage8	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage8	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage8	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage8	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage8	7.55	185.976	0.591	UL-RL	0.165	10.98	275.2	0	0	0.591
Stage8	7.15	196.274	1.056	UL-RL	0.165	10.98	275.2	0	0	1.056
Stage8	6.75	206.58	1.19	UL-RL	0.165	10.98	275.2	0	0	1.19
Stage8	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage8	5.95	227.213	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.55	237.896	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.15	248.215	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.75	258.538	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.35	268.867	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.95	279.2	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.55	289.538	2.682	UL-RL	0.165	10.98	275.2	0	0	2.682
Stage8	3.15	299.879	5.118	UL-RL	0.165	10.98	275.2	0	0	5.118
Stage8	2.75	310.224	3.04	UL-RL	0.165	10.98	275.2	0	0	3.04
Stage8	2.35	320.572	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.95	330.922	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.55	341.275	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.15	351.631	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.75	362.233	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.35	372.587	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	-0.05	382.943	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.45	393.301	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-1.25	411.118	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	2.905
Stage8	-1.45	414.469	0	ACTIVE	0.165	10.98	275.2	4.842	0.032	4.842
Stage8	-1.85	420.957	14.466	UL-RL	0.165	10.98	275.2	8.716	0.032	23.182
Stage8	-2.25	427.447	31.954	UL-RL	0.165	10.98	275.2	12.59	0.032	44.543
Stage8	-2.65	433.938	46.47	UL-RL	0.165	10.98	275.2	16.464	0.032	62.934
Stage8	-3.05	440.431	56.139	UL-RL	0.165	10.98	275.2	20.338	0.032	76.476
Stage8	-3.45	446.925	61.989	UL-RL	0.165	10.98	275.2	24.211	0.032	86.201
Stage8	-3.85	453.421	65.665	UL-RL	0.165	10.98	275.2	28.085	0.032	93.75
Stage8	-4.25	459.917	68.43	UL-RL	0.165	10.98	275.2	31.959	0.032	100.389
Stage8	-4.65	466.415	70.982	UL-RL	0.165	10.98	275.2	35.833	0.032	106.815
Stage8	-5.05	472.914	73.591	UL-RL	0.165	10.98	275.2	39.707	0.032	113.298
Stage8	-5.45	479.414	76.297	UL-RL	0.165	10.98	275.2	43.58	0.032	119.877
Stage8	-5.85	485.914	79.056	UL-RL	0.165	10.98	275.2	47.454	0.032	126.51
Stage8	-6.25	492.583	81.817	UL-RL	0.165	10.98	275.2	51.328	0.032	133.145
Stage8	-6.65	499.082	84.548	UL-RL	0.165	10.98	275.2	55.202	0.032	139.75
Stage8	-7.05	505.583	87.238	UL-RL	0.165	10.98	275.2	59.076	0.032	146.314
Stage8	-7.45	512.084	89.886	UL-RL	0.165	10.98	275.2	62.95	0.032	152.836
Stage8	-7.85	518.586	92.499	UL-RL	0.165	10.98	275.2	66.823	0.032	159.322
Stage8	-8.25	525.089	95.083	UL-RL	0.165	10.98	275.2	70.697	0.032	165.78
Stage8	-8.65	531.593	97.644	UL-RL	0.165	10.98	275.2	74.571	0.032	172.215

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-9.05	538.097	100.184	UL-RL	0.165	10.98	275.2	78.445	0.032	0	178.629
Stage8	-9.45	544.602	102.708	UL-RL	0.165	10.98	275.2	82.319	0.032	0	185.027
Stage8	-9.85	551.108	105.217	UL-RL	0.165	10.98	275.2	86.192	0.032	0	191.409
Stage8	-10.25	557.614	107.712	UL-RL	0.165	10.98	275.2	90.066	0.032	0	197.778
Stage8	-10.65	564.121	110.195	UL-RL	0.165	10.98	275.2	93.94	0.032	0	204.135
Stage8	-11.05	570.766	112.666	UL-RL	0.165	10.98	275.2	97.814	0.032	0	210.48
Stage8	-11.45	577.272	115.128	UL-RL	0.165	10.98	275.2	101.688	0.032	0	216.816
Stage8	-11.85	583.778	117.58	UL-RL	0.165	10.98	275.2	105.562	0.032	0	223.142
Stage8	-12.25	590.286	120.024	UL-RL	0.165	10.98	275.2	109.435	0.032	0	229.46
Stage8	-12.65	596.793	122.46	UL-RL	0.165	10.98	275.2	113.309	0.032	0	235.77
Stage8	-13.05	603.302	124.89	UL-RL	0.165	10.98	275.2	117.183	0.032	0	242.073
Stage8	-13.45	609.81	127.312	UL-RL	0.165	10.98	275.2	121.057	0.032	0	248.369
Stage8	-13.85	616.319	129.73	UL-RL	0.165	10.98	275.2	124.931	0.032	0	254.66
Stage8	-14.25	622.829	132.141	UL-RL	0.165	10.98	275.2	128.804	0.032	0	260.945
Stage8	-14.65	629.339	134.547	UL-RL	0.165	10.98	275.2	132.678	0.032	0	267.226
Stage8	-15.05	635.849	136.949	UL-RL	0.165	10.98	275.2	136.552	0.032	0	273.501
Stage8	-15.45	642.478	139.346	UL-RL	0.165	10.98	275.2	140.426	0.032	0	279.772
Stage8	-15.85	648.987	141.74	UL-RL	0.165	10.98	275.2	144.3	0.032	0	286.039
Stage8	-16.25	655.498	144.129	UL-RL	0.165	10.98	275.2	148.173	0.032	0	292.303
Stage8	-16.65	662.008	146.517	UL-RL	0.165	10.98	275.2	152.047	0.032	0	298.564
Stage8	-17.05	668.519	148.903	UL-RL	0.165	10.98	275.2	155.921	0.032	0	304.824
Stage8	-17.3	672.63	150.394	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.736

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage9

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Stage9	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Stage9	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Stage9	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	0	3.798
Stage9	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	0	8.499
Stage9	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	0	13.14
Stage9	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	0	17.792
Stage9	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	0	22.245
Stage9	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	0	26.426
Stage9	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	0	29.664
Stage9	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	0	32.525
Stage9	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	0	34.71
Stage9	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Stage9	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	0	37.655
Stage9	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	0	40.309
Stage9	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	0	42.135
Stage9	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	0	45.518
Stage9	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	0	48.91
Stage9	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0	0.068
Stage9	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0	0.203
Stage9	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0	0.386
Stage9	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0	0.59
Stage9	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	0	1.055
Stage9	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	0	1.189
Stage9	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0	0.377
Stage9	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Stage9	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Stage9	5.15	248.215	0.005	UL-RL	0.165	10.98	275.2	0	0	0	0.005
Stage9	4.75	258.538	0.008	UL-RL	0.165	10.98	275.2	0	0	0	0.008
Stage9	4.35	268.867	0.008	UL-RL	0.165	10.98	275.2	0	0	0	0.008
Stage9	3.95	279.2	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage9	3.55	289.538	2.652	UL-RL	0.165	10.98	275.2	0	0	0	2.652
Stage9	3.15	299.879	5.035	UL-RL	0.165	10.98	275.2	0	0	0	5.035
Stage9	2.75	310.224	2.883	UL-RL	0.165	10.98	275.2	0	0	0	2.883
Stage9	2.35	320.572	0.02	UL-RL	0.165	10.98	275.2	0	0	0	0.02
Stage9	1.95	330.922	0.054	UL-RL	0.165	10.98	275.2	0	0	0	0.054
Stage9	1.55	341.275	0.1	UL-RL	0.165	10.98	275.2	0	0	0	0.1
Stage9	1.15	351.631	0.206	UL-RL	0.165	10.98	275.2	0	0	0	0.206
Stage9	0.75	362.233	0.698	UL-RL	0.165	10.98	275.2	0	0	0	0.698
Stage9	0.35	372.587	1.314	UL-RL	0.165	10.98	275.2	0	0	0	1.314
Stage9	-0.05	382.943	1.784	UL-RL	0.165	10.98	275.2	0	0	0	1.784
Stage9	-0.45	393.301	1.464	UL-RL	0.165	10.98	275.2	0	0	0	1.464
Stage9	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-1.25	414.023	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-1.45	419.311	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-1.85	429.673	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-2.25	440.037	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-2.65	447.506	6.134	UL-RL	0.165	10.98	275.2	2.896	0.035	0	9.03
Stage9	-3.05	454.011	18.249	UL-RL	0.165	10.98	275.2	6.758	0.035	0	25.006
Stage9	-3.45	460.517	34.12	UL-RL	0.165	10.98	275.2	10.619	0.035	0	44.739
Stage9	-3.85	467.025	48.184	UL-RL	0.165	10.98	275.2	14.481	0.035	0	62.665
Stage9	-4.25	473.534	58.059	UL-RL	0.165	10.98	275.2	18.343	0.035	0	76.402
Stage9	-4.65	480.044	64.33	UL-RL	0.165	10.98	275.2	22.204	0.035	0	86.534
Stage9	-5.05	486.555	68.406	UL-RL	0.165	10.98	275.2	26.066	0.035	0	94.472
Stage9	-5.45	493.067	71.476	UL-RL	0.165	10.98	275.2	29.927	0.035	0	101.403
Stage9	-5.85	499.58	74.24	UL-RL	0.165	10.98	275.2	33.789	0.035	0	108.029
Stage9	-6.25	506.26	76.997	UL-RL	0.165	10.98	275.2	37.651	0.035	0	114.647
Stage9	-6.65	512.772	79.812	UL-RL	0.165	10.98	275.2	41.512	0.035	0	121.324
Stage9	-7.05	519.285	82.662	UL-RL	0.165	10.98	275.2	45.374	0.035	0	128.035
Stage9	-7.45	525.798	85.504	UL-RL	0.165	10.98	275.2	49.235	0.035	0	134.739

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-7.85	532.313	88.311	UL-RL	0.165	10.98	275.2	53.097	0.035	0	141.408
Stage9	-8.25	538.828	91.073	UL-RL	0.165	10.98	275.2	56.958	0.035	0	148.032
Stage9	-8.65	545.344	93.791	UL-RL	0.165	10.98	275.2	60.82	0.035	0	154.611
Stage9	-9.05	551.86	96.469	UL-RL	0.165	10.98	275.2	64.682	0.035	0	161.151
Stage9	-9.45	558.378	99.116	UL-RL	0.165	10.98	275.2	68.543	0.035	0	167.659
Stage9	-9.85	564.896	101.736	UL-RL	0.165	10.98	275.2	72.405	0.035	0	174.14
Stage9	-10.25	571.414	104.333	UL-RL	0.165	10.98	275.2	76.266	0.035	0	180.6
Stage9	-10.65	577.933	106.911	UL-RL	0.165	10.98	275.2	80.128	0.035	0	187.039
Stage9	-11.05	584.59	109.472	UL-RL	0.165	10.98	275.2	83.99	0.035	0	193.461
Stage9	-11.45	591.108	112.017	UL-RL	0.165	10.98	275.2	87.851	0.035	0	199.868
Stage9	-11.85	597.627	114.548	UL-RL	0.165	10.98	275.2	91.713	0.035	0	206.261
Stage9	-12.25	604.147	117.066	UL-RL	0.165	10.98	275.2	95.574	0.035	0	212.641
Stage9	-12.65	610.666	119.573	UL-RL	0.165	10.98	275.2	99.436	0.035	0	219.009
Stage9	-13.05	617.187	122.07	UL-RL	0.165	10.98	275.2	103.298	0.035	0	225.367
Stage9	-13.45	623.708	124.556	UL-RL	0.165	10.98	275.2	107.159	0.035	0	231.715
Stage9	-13.85	630.229	127.034	UL-RL	0.165	10.98	275.2	111.021	0.035	0	238.055
Stage9	-14.25	636.751	129.504	UL-RL	0.165	10.98	275.2	114.882	0.035	0	244.386
Stage9	-14.65	643.273	131.966	UL-RL	0.165	10.98	275.2	118.744	0.035	0	250.71
Stage9	-15.05	649.796	134.421	UL-RL	0.165	10.98	275.2	122.605	0.035	0	257.027
Stage9	-15.45	656.436	136.87	UL-RL	0.165	10.98	275.2	126.467	0.035	0	263.337
Stage9	-15.85	662.958	139.313	UL-RL	0.165	10.98	275.2	130.329	0.035	0	269.642
Stage9	-16.25	669.481	141.751	UL-RL	0.165	10.98	275.2	134.19	0.035	0	275.941
Stage9	-16.65	676.004	144.185	UL-RL	0.165	10.98	275.2	138.052	0.035	0	282.237
Stage9	-17.05	682.527	146.617	UL-RL	0.165	10.98	275.2	141.913	0.035	0	288.53
Stage9	-17.3	686.646	148.137	UL-RL	0.165	10.98	275.2	144.327	0.035	0	292.464

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		LEFT		Lato		RIGHT		
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.45	1.565	64.052	UL-RL	0.165	10.98	275.2	1.035	0.035	0	65.086
Stage9	-3.85	7.827	67.282	UL-RL	0.165	10.98	275.2	5.173	0.035	0	72.455
Stage9	-4.25	14.089	69.243	UL-RL	0.165	10.98	275.2	9.311	0.035	0	78.554
Stage9	-4.65	20.35	71.874	UL-RL	0.165	10.98	275.2	13.45	0.035	0	85.324
Stage9	-5.05	26.612	74.997	UL-RL	0.165	10.98	275.2	17.588	0.035	0	92.585
Stage9	-5.45	32.873	78.247	UL-RL	0.165	10.98	275.2	21.727	0.035	0	99.974
Stage9	-5.85	39.135	81.395	UL-RL	0.165	10.98	275.2	25.865	0.035	0	107.26
Stage9	-6.25	45.397	84.362	UL-RL	0.165	10.98	275.2	30.003	0.035	0	114.365
Stage9	-6.65	51.658	87.155	UL-RL	0.165	10.98	275.2	34.142	0.035	0	121.297
Stage9	-7.05	57.92	89.816	UL-RL	0.165	10.98	275.2	38.28	0.035	0	128.096
Stage9	-7.45	64.181	92.384	UL-RL	0.165	10.98	275.2	42.419	0.035	0	134.803
Stage9	-7.85	70.443	94.891	UL-RL	0.165	10.98	275.2	46.557	0.035	0	141.448
Stage9	-8.25	76.705	97.352	UL-RL	0.165	10.98	275.2	50.696	0.035	0	148.048
Stage9	-8.65	82.966	99.778	UL-RL	0.165	10.98	275.2	54.834	0.035	0	154.612

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-9.05	89.228	102.174	UL-RL	0.165	10.98	275.2	58.972	0.035	0	161.147
Stage9	-9.45	95.489	104.543	UL-RL	0.165	10.98	275.2	63.111	0.035	0	167.654
Stage9	-9.85	101.751	106.887	UL-RL	0.165	10.98	275.2	67.249	0.035	0	174.136
Stage9	-10.25	108.012	109.209	UL-RL	0.165	10.98	275.2	71.388	0.035	0	180.597
Stage9	-10.65	114.274	111.512	UL-RL	0.165	10.98	275.2	75.526	0.035	0	187.038
Stage9	-11.05	120.536	113.796	UL-RL	0.165	10.98	275.2	79.664	0.035	0	193.461
Stage9	-11.45	126.797	116.065	UL-RL	0.165	10.98	275.2	83.803	0.035	0	199.868
Stage9	-11.85	133.059	118.319	UL-RL	0.165	10.98	275.2	87.941	0.035	0	206.26
Stage9	-12.25	139.32	120.561	UL-RL	0.165	10.98	275.2	92.08	0.035	0	212.64
Stage9	-12.65	145.582	122.791	UL-RL	0.165	10.98	275.2	96.218	0.035	0	219.009
Stage9	-13.05	151.844	125.01	UL-RL	0.165	10.98	275.2	100.356	0.035	0	225.367
Stage9	-13.45	158.105	127.22	UL-RL	0.165	10.98	275.2	104.495	0.035	0	231.715
Stage9	-13.85	164.367	129.421	UL-RL	0.165	10.98	275.2	108.633	0.035	0	238.054
Stage9	-14.25	170.628	131.614	UL-RL	0.165	10.98	275.2	112.772	0.035	0	244.386
Stage9	-14.65	176.89	133.8	UL-RL	0.165	10.98	275.2	116.91	0.035	0	250.71
Stage9	-15.05	183.151	135.979	UL-RL	0.165	10.98	275.2	121.048	0.035	0	257.027
Stage9	-15.45	189.413	138.151	UL-RL	0.165	10.98	275.2	125.187	0.035	0	263.338
Stage9	-15.85	195.675	140.318	UL-RL	0.165	10.98	275.2	129.325	0.035	0	269.643
Stage9	-16.25	201.936	142.48	UL-RL	0.165	10.98	275.2	133.464	0.035	0	275.943
Stage9	-16.65	208.198	144.636	UL-RL	0.165	10.98	275.2	137.602	0.035	0	282.238
Stage9	-17.05	214.459	146.786	UL-RL	0.165	10.98	275.2	141.74	0.035	0	288.526
Stage9	-17.3	218.373	148.126	UL-RL	0.165	10.98	275.2	144.327	0.035	0	292.453

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage9

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.45	1.565	64.052	UL-RL	0.165	10.98	275.2	1.035	0.035	0	65.086
Stage9	-3.85	7.827	67.282	UL-RL	0.165	10.98	275.2	5.173	0.035	0	72.455
Stage9	-4.25	14.089	69.243	UL-RL	0.165	10.98	275.2	9.311	0.035	0	78.554
Stage9	-4.65	20.35	71.874	UL-RL	0.165	10.98	275.2	13.45	0.035	0	85.324
Stage9	-5.05	26.612	74.997	UL-RL	0.165	10.98	275.2	17.588	0.035	0	92.585
Stage9	-5.45	32.873	78.247	UL-RL	0.165	10.98	275.2	21.727	0.035	0	99.974
Stage9	-5.85	39.135	81.395	UL-RL	0.165	10.98	275.2	25.865	0.035	0	107.26
Stage9	-6.25	45.397	84.362	UL-RL	0.165	10.98	275.2	30.003	0.035	0	114.365
Stage9	-6.65	51.658	87.155	UL-RL	0.165	10.98	275.2	34.142	0.035	0	121.297
Stage9	-7.05	57.92	89.816	UL-RL	0.165	10.98	275.2	38.28	0.035	0	128.096
Stage9	-7.45	64.181	92.384	UL-RL	0.165	10.98	275.2	42.419	0.035	0	134.803

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-7.85	70.443	94.891	UL-RL	0.165	10.98	275.2	46.557	0.035	0	141.448
Stage9	-8.25	76.705	97.352	UL-RL	0.165	10.98	275.2	50.696	0.035	0	148.048
Stage9	-8.65	82.966	99.778	UL-RL	0.165	10.98	275.2	54.834	0.035	0	154.612
Stage9	-9.05	89.228	102.174	UL-RL	0.165	10.98	275.2	58.972	0.035	0	161.147
Stage9	-9.45	95.489	104.543	UL-RL	0.165	10.98	275.2	63.111	0.035	0	167.654
Stage9	-9.85	101.751	106.887	UL-RL	0.165	10.98	275.2	67.249	0.035	0	174.136
Stage9	-10.25	108.012	109.209	UL-RL	0.165	10.98	275.2	71.388	0.035	0	180.597
Stage9	-10.65	114.274	111.512	UL-RL	0.165	10.98	275.2	75.526	0.035	0	187.038
Stage9	-11.05	120.536	113.796	UL-RL	0.165	10.98	275.2	79.664	0.035	0	193.461
Stage9	-11.45	126.797	116.065	UL-RL	0.165	10.98	275.2	83.803	0.035	0	199.868
Stage9	-11.85	133.059	118.319	UL-RL	0.165	10.98	275.2	87.941	0.035	0	206.26
Stage9	-12.25	139.32	120.561	UL-RL	0.165	10.98	275.2	92.08	0.035	0	212.64
Stage9	-12.65	145.582	122.791	UL-RL	0.165	10.98	275.2	96.218	0.035	0	219.009
Stage9	-13.05	151.844	125.01	UL-RL	0.165	10.98	275.2	100.356	0.035	0	225.367
Stage9	-13.45	158.105	127.22	UL-RL	0.165	10.98	275.2	104.495	0.035	0	231.715
Stage9	-13.85	164.367	129.421	UL-RL	0.165	10.98	275.2	108.633	0.035	0	238.054
Stage9	-14.25	170.628	131.614	UL-RL	0.165	10.98	275.2	112.772	0.035	0	244.386
Stage9	-14.65	176.89	133.8	UL-RL	0.165	10.98	275.2	116.91	0.035	0	250.71
Stage9	-15.05	183.151	135.979	UL-RL	0.165	10.98	275.2	121.048	0.035	0	257.027
Stage9	-15.45	189.413	138.151	UL-RL	0.165	10.98	275.2	125.187	0.035	0	263.338
Stage9	-15.85	195.675	140.318	UL-RL	0.165	10.98	275.2	129.325	0.035	0	269.643
Stage9	-16.25	201.936	142.48	UL-RL	0.165	10.98	275.2	133.464	0.035	0	275.943
Stage9	-16.65	208.198	144.636	UL-RL	0.165	10.98	275.2	137.602	0.035	0	282.238
Stage9	-17.05	214.459	146.786	UL-RL	0.165	10.98	275.2	141.74	0.035	0	288.526
Stage9	-17.3	218.373	148.126	UL-RL	0.165	10.98	275.2	144.327	0.035	0	292.453

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT			
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage9	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage9	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage9	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage9	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage9	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage9	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage9	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage9	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage9	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage9	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage9	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage9	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage9	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage9	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage9	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage9	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage9	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage9	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage9	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage9	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage9	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage9	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0.59
Stage9	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	1.055
Stage9	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	1.189
Stage9	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage9	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage9	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Stage9	5.15	248.215	0.005	UL-RL	0.165	10.98	275.2	0	0	0.005
Stage9	4.75	258.538	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Stage9	4.35	268.867	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Stage9	3.95	279.2	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage9	3.55	289.538	2.652	UL-RL	0.165	10.98	275.2	0	0	2.652
Stage9	3.15	299.879	5.035	UL-RL	0.165	10.98	275.2	0	0	5.035
Stage9	2.75	310.224	2.883	UL-RL	0.165	10.98	275.2	0	0	2.883
Stage9	2.35	320.572	0.02	UL-RL	0.165	10.98	275.2	0	0	0.02
Stage9	1.95	330.922	0.054	UL-RL	0.165	10.98	275.2	0	0	0.054
Stage9	1.55	341.275	0.1	UL-RL	0.165	10.98	275.2	0	0	0.1
Stage9	1.15	351.631	0.206	UL-RL	0.165	10.98	275.2	0	0	0.206
Stage9	0.75	362.233	0.698	UL-RL	0.165	10.98	275.2	0	0	0.698
Stage9	0.35	372.587	1.314	UL-RL	0.165	10.98	275.2	0	0	1.314
Stage9	-0.05	382.943	1.784	UL-RL	0.165	10.98	275.2	0	0	1.784
Stage9	-0.45	393.301	1.464	UL-RL	0.165	10.98	275.2	0	0	1.464
Stage9	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.25	414.023	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.45	419.311	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.85	429.673	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-2.25	440.037	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-2.65	447.506	6.134	UL-RL	0.165	10.98	275.2	2.896	0.035	9.03
Stage9	-3.05	454.011	18.249	UL-RL	0.165	10.98	275.2	6.758	0.035	25.006
Stage9	-3.45	460.517	34.12	UL-RL	0.165	10.98	275.2	10.619	0.035	44.739
Stage9	-3.85	467.025	48.184	UL-RL	0.165	10.98	275.2	14.481	0.035	62.665
Stage9	-4.25	473.534	58.059	UL-RL	0.165	10.98	275.2	18.343	0.035	76.402
Stage9	-4.65	480.044	64.33	UL-RL	0.165	10.98	275.2	22.204	0.035	86.534
Stage9	-5.05	486.555	68.406	UL-RL	0.165	10.98	275.2	26.066	0.035	94.472
Stage9	-5.45	493.067	71.476	UL-RL	0.165	10.98	275.2	29.927	0.035	101.403
Stage9	-5.85	499.58	74.24	UL-RL	0.165	10.98	275.2	33.789	0.035	108.029
Stage9	-6.25	506.26	76.997	UL-RL	0.165	10.98	275.2	37.651	0.035	114.647
Stage9	-6.65	512.772	79.812	UL-RL	0.165	10.98	275.2	41.512	0.035	121.324
Stage9	-7.05	519.285	82.662	UL-RL	0.165	10.98	275.2	45.374	0.035	128.035
Stage9	-7.45	525.798	85.504	UL-RL	0.165	10.98	275.2	49.235	0.035	134.739
Stage9	-7.85	532.313	88.311	UL-RL	0.165	10.98	275.2	53.097	0.035	141.408
Stage9	-8.25	538.828	91.073	UL-RL	0.165	10.98	275.2	56.958	0.035	148.032
Stage9	-8.65	545.344	93.791	UL-RL	0.165	10.98	275.2	60.82	0.035	154.611

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-9.05	551.86	96.469	UL-RL	0.165	10.98	275.2	64.682	0.035	0	161.151
Stage9	-9.45	558.378	99.116	UL-RL	0.165	10.98	275.2	68.543	0.035	0	167.659
Stage9	-9.85	564.896	101.736	UL-RL	0.165	10.98	275.2	72.405	0.035	0	174.14
Stage9	-10.25	571.414	104.333	UL-RL	0.165	10.98	275.2	76.266	0.035	0	180.6
Stage9	-10.65	577.933	106.911	UL-RL	0.165	10.98	275.2	80.128	0.035	0	187.039
Stage9	-11.05	584.59	109.472	UL-RL	0.165	10.98	275.2	83.99	0.035	0	193.461
Stage9	-11.45	591.108	112.017	UL-RL	0.165	10.98	275.2	87.851	0.035	0	199.868
Stage9	-11.85	597.627	114.548	UL-RL	0.165	10.98	275.2	91.713	0.035	0	206.261
Stage9	-12.25	604.147	117.066	UL-RL	0.165	10.98	275.2	95.574	0.035	0	212.641
Stage9	-12.65	610.666	119.573	UL-RL	0.165	10.98	275.2	99.436	0.035	0	219.009
Stage9	-13.05	617.187	122.07	UL-RL	0.165	10.98	275.2	103.298	0.035	0	225.367
Stage9	-13.45	623.708	124.556	UL-RL	0.165	10.98	275.2	107.159	0.035	0	231.715
Stage9	-13.85	630.229	127.034	UL-RL	0.165	10.98	275.2	111.021	0.035	0	238.055
Stage9	-14.25	636.751	129.504	UL-RL	0.165	10.98	275.2	114.882	0.035	0	244.386
Stage9	-14.65	643.273	131.966	UL-RL	0.165	10.98	275.2	118.744	0.035	0	250.71
Stage9	-15.05	649.796	134.421	UL-RL	0.165	10.98	275.2	122.605	0.035	0	257.027
Stage9	-15.45	656.436	136.87	UL-RL	0.165	10.98	275.2	126.467	0.035	0	263.337
Stage9	-15.85	662.958	139.313	UL-RL	0.165	10.98	275.2	130.329	0.035	0	269.642
Stage9	-16.25	669.481	141.751	UL-RL	0.165	10.98	275.2	134.19	0.035	0	275.941
Stage9	-16.65	676.004	144.185	UL-RL	0.165	10.98	275.2	138.052	0.035	0	282.237
Stage9	-17.05	682.527	146.617	UL-RL	0.165	10.98	275.2	141.913	0.035	0	288.53
Stage9	-17.3	686.646	148.137	UL-RL	0.165	10.98	275.2	144.327	0.035	0	292.464

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage10

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Stage10	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Stage10	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Stage10	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	0	3.798
Stage10	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	0	8.499
Stage10	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	0	13.14
Stage10	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	0	17.792
Stage10	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	0	22.245
Stage10	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	0	26.426
Stage10	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	0	29.664
Stage10	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	0	32.525
Stage10	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	0	34.71
Stage10	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Stage10	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	0	37.655
Stage10	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	0	40.309
Stage10	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	0	42.135
Stage10	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	0	45.518
Stage10	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	0	48.91
Stage10	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0	0.068
Stage10	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0	0.203
Stage10	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0	0.386
Stage10	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0	0.59
Stage10	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	0	1.055
Stage10	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	0	1.189
Stage10	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0	0.377
Stage10	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Stage10	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Stage10	5.15	248.215	0.006	UL-RL	0.165	10.98	275.2	0	0	0	0.006
Stage10	4.75	258.538	0.01	UL-RL	0.165	10.98	275.2	0	0	0	0.01
Stage10	4.35	268.867	0.01	UL-RL	0.165	10.98	275.2	0	0	0	0.01
Stage10	3.95	279.2	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Stage10	3.55	289.538	2.653	UL-RL	0.165	10.98	275.2	0	0	0	2.653
Stage10	3.15	299.879	5.032	UL-RL	0.165	10.98	275.2	0	0	0	5.032
Stage10	2.75	310.224	2.868	UL-RL	0.165	10.98	275.2	0	0	0	2.868
Stage10	2.35	320.572	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	1.95	330.922	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	1.55	341.275	0.031	UL-RL	0.165	10.98	275.2	0	0	0	0.031
Stage10	1.15	351.631	0.154	UL-RL	0.165	10.98	275.2	0	0	0	0.154
Stage10	0.75	362.233	0.738	UL-RL	0.165	10.98	275.2	0	0	0	0.738
Stage10	0.35	372.587	1.577	UL-RL	0.165	10.98	275.2	0	0	0	1.577
Stage10	-0.05	382.943	2.436	UL-RL	0.165	10.98	275.2	0	0	0	2.436
Stage10	-0.45	393.301	2.625	UL-RL	0.165	10.98	275.2	0	0	0	2.625
Stage10	-0.85	403.661	1.55	UL-RL	0.165	10.98	275.2	0	0	0	1.55
Stage10	-1.25	414.023	1.249	UL-RL	0.165	10.98	275.2	0	0	0	1.249
Stage10	-1.45	419.311	0.551	UL-RL	0.165	10.98	275.2	0	0	0	0.551
Stage10	-1.85	429.673	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-2.25	440.037	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-2.65	450.402	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-3.05	460.769	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-3.45	471.137	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-3.85	481.506	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-4.25	491.876	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-4.65	502.248	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-5.05	512.62	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-5.45	522.994	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-5.85	533.369	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-6.25	543.911	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-6.65	554.284	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-7.05	564.658	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-7.45	574.087	0	ACTIVE	0.165	10.98	275.2	0.947	0.053	0	0.947

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-7.85	580.674	1.965	UL-RL	0.165	10.98	275.2	4.735	0.053	0	6.7
Stage10	-8.25	587.263	25.783	UL-RL	0.165	10.98	275.2	8.524	0.053	0	34.307
Stage10	-8.65	593.852	51.632	UL-RL	0.165	10.98	275.2	12.312	0.053	0	63.945
Stage10	-9.05	600.442	71.409	UL-RL	0.165	10.98	275.2	16.101	0.053	0	87.509
Stage10	-9.45	607.032	83.224	UL-RL	0.165	10.98	275.2	19.889	0.053	0	103.113
Stage10	-9.85	613.623	89.469	UL-RL	0.165	10.98	275.2	23.677	0.053	0	113.146
Stage10	-10.25	620.215	92.958	UL-RL	0.165	10.98	275.2	27.466	0.053	0	120.423
Stage10	-10.65	626.807	95.559	UL-RL	0.165	10.98	275.2	31.254	0.053	0	126.812
Stage10	-11.05	633.537	98.139	UL-RL	0.165	10.98	275.2	35.042	0.053	0	133.181
Stage10	-11.45	640.129	100.933	UL-RL	0.165	10.98	275.2	38.831	0.053	0	139.764
Stage10	-11.85	646.721	103.898	UL-RL	0.165	10.98	275.2	42.619	0.053	0	146.517
Stage10	-12.25	653.314	106.929	UL-RL	0.165	10.98	275.2	46.407	0.053	0	153.337
Stage10	-12.65	659.907	109.948	UL-RL	0.165	10.98	275.2	50.196	0.053	0	160.144
Stage10	-13.05	666.5	112.918	UL-RL	0.165	10.98	275.2	53.984	0.053	0	166.902
Stage10	-13.45	673.094	115.83	UL-RL	0.165	10.98	275.2	57.772	0.053	0	173.603
Stage10	-13.85	679.689	118.694	UL-RL	0.165	10.98	275.2	61.561	0.053	0	180.254
Stage10	-14.25	686.284	121.516	UL-RL	0.165	10.98	275.2	65.349	0.053	0	186.866
Stage10	-14.65	692.879	124.307	UL-RL	0.165	10.98	275.2	69.137	0.053	0	193.444
Stage10	-15.05	699.475	127.071	UL-RL	0.165	10.98	275.2	72.926	0.053	0	199.997
Stage10	-15.45	706.189	129.812	UL-RL	0.165	10.98	275.2	76.714	0.053	0	206.527
Stage10	-15.85	712.784	132.534	UL-RL	0.165	10.98	275.2	80.503	0.053	0	213.036
Stage10	-16.25	719.38	135.237	UL-RL	0.165	10.98	275.2	84.291	0.053	0	219.528
Stage10	-16.65	725.976	137.928	UL-RL	0.165	10.98	275.2	88.079	0.053	0	226.007
Stage10	-17.05	732.572	140.61	UL-RL	0.165	10.98	275.2	91.868	0.053	0	232.478
Stage10	-17.3	736.737	142.286	UL-RL	0.165	10.98	275.2	94.235	0.053	0	236.522

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.65	4.641	98.476	UL-RL	0.165	10.98	275.2	3.159	0.053	0	101.635

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-9.05	10.83	92.966	UL-RL	0.165	10.98	275.2	7.37	0.053	0	100.336
Stage10	-9.45	17.018	91.52	UL-RL	0.165	10.98	275.2	11.582	0.053	0	103.102
Stage10	-9.85	23.206	93.364	UL-RL	0.165	10.98	275.2	15.794	0.053	0	109.158
Stage10	-10.25	29.395	96.745	UL-RL	0.165	10.98	275.2	20.005	0.053	0	116.751
Stage10	-10.65	35.583	100.437	UL-RL	0.165	10.98	275.2	24.217	0.053	0	124.654
Stage10	-11.05	41.771	103.888	UL-RL	0.165	10.98	275.2	28.429	0.053	0	132.317
Stage10	-11.45	47.96	106.984	UL-RL	0.165	10.98	275.2	32.64	0.053	0	139.624
Stage10	-11.85	54.148	109.796	UL-RL	0.165	10.98	275.2	36.852	0.053	0	146.648
Stage10	-12.25	60.337	112.432	UL-RL	0.165	10.98	275.2	41.063	0.053	0	153.496
Stage10	-12.65	66.525	114.972	UL-RL	0.165	10.98	275.2	45.275	0.053	0	160.247
Stage10	-13.05	72.713	117.459	UL-RL	0.165	10.98	275.2	49.487	0.053	0	166.946
Stage10	-13.45	78.902	119.912	UL-RL	0.165	10.98	275.2	53.698	0.053	0	173.611
Stage10	-13.85	85.09	122.337	UL-RL	0.165	10.98	275.2	57.91	0.053	0	180.247
Stage10	-14.25	91.278	124.734	UL-RL	0.165	10.98	275.2	62.122	0.053	0	186.856
Stage10	-14.65	97.467	127.104	UL-RL	0.165	10.98	275.2	66.333	0.053	0	193.437
Stage10	-15.05	103.655	129.449	UL-RL	0.165	10.98	275.2	70.545	0.053	0	199.994
Stage10	-15.45	109.843	131.771	UL-RL	0.165	10.98	275.2	74.757	0.053	0	206.528
Stage10	-15.85	116.032	134.072	UL-RL	0.165	10.98	275.2	78.968	0.053	0	213.041
Stage10	-16.25	122.22	136.355	UL-RL	0.165	10.98	275.2	83.18	0.053	0	219.534
Stage10	-16.65	128.408	138.618	UL-RL	0.165	10.98	275.2	87.391	0.053	0	226.009
Stage10	-17.05	134.597	140.861	UL-RL	0.165	10.98	275.2	91.603	0.053	0	232.464
Stage10	-17.3	138.465	142.252	UL-RL	0.165	10.98	275.2	94.235	0.053	0	236.487

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage10

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.65	4.641	98.476	UL-RL	0.165	10.98	275.2	3.159	0.053	0	101.635
Stage10	-9.05	10.83	92.966	UL-RL	0.165	10.98	275.2	7.37	0.053	0	100.336
Stage10	-9.45	17.018	91.52	UL-RL	0.165	10.98	275.2	11.582	0.053	0	103.102
Stage10	-9.85	23.206	93.364	UL-RL	0.165	10.98	275.2	15.794	0.053	0	109.158
Stage10	-10.25	29.395	96.745	UL-RL	0.165	10.98	275.2	20.005	0.053	0	116.751
Stage10	-10.65	35.583	100.437	UL-RL	0.165	10.98	275.2	24.217	0.053	0	124.654
Stage10	-11.05	41.771	103.888	UL-RL	0.165	10.98	275.2	28.429	0.053	0	132.317
Stage10	-11.45	47.96	106.984	UL-RL	0.165	10.98	275.2	32.64	0.053	0	139.624
Stage10	-11.85	54.148	109.796	UL-RL	0.165	10.98	275.2	36.852	0.053	0	146.648
Stage10	-12.25	60.337	112.432	UL-RL	0.165	10.98	275.2	41.063	0.053	0	153.496
Stage10	-12.65	66.525	114.972	UL-RL	0.165	10.98	275.2	45.275	0.053	0	160.247
Stage10	-13.05	72.713	117.459	UL-RL	0.165	10.98	275.2	49.487	0.053	0	166.946
Stage10	-13.45	78.902	119.912	UL-RL	0.165	10.98	275.2	53.698	0.053	0	173.611
Stage10	-13.85	85.09	122.337	UL-RL	0.165	10.98	275.2	57.91	0.053	0	180.247
Stage10	-14.25	91.278	124.734	UL-RL	0.165	10.98	275.2	62.122	0.053	0	186.856
Stage10	-14.65	97.467	127.104	UL-RL	0.165	10.98	275.2	66.333	0.053	0	193.437
Stage10	-15.05	103.655	129.449	UL-RL	0.165	10.98	275.2	70.545	0.053	0	199.994
Stage10	-15.45	109.843	131.771	UL-RL	0.165	10.98	275.2	74.757	0.053	0	206.528
Stage10	-15.85	116.032	134.072	UL-RL	0.165	10.98	275.2	78.968	0.053	0	213.041
Stage10	-16.25	122.22	136.355	UL-RL	0.165	10.98	275.2	83.18	0.053	0	219.534
Stage10	-16.65	128.408	138.618	UL-RL	0.165	10.98	275.2	87.391	0.053	0	226.009
Stage10	-17.05	134.597	140.861	UL-RL	0.165	10.98	275.2	91.603	0.053	0	232.464
Stage10	-17.3	138.465	142.252	UL-RL	0.165	10.98	275.2	94.235	0.053	0	236.487

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT			
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage10	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage10	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage10	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage10	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage10	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage10	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage10	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage10	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage10	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage10	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage10	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage10	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage10	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage10	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage10	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage10	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage10	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage10	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage10	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage10	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage10	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage10	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0.59
Stage10	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	1.055
Stage10	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	1.189
Stage10	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage10	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage10	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Stage10	5.15	248.215	0.006	UL-RL	0.165	10.98	275.2	0	0	0.006
Stage10	4.75	258.538	0.01	UL-RL	0.165	10.98	275.2	0	0	0.01
Stage10	4.35	268.867	0.01	UL-RL	0.165	10.98	275.2	0	0	0.01
Stage10	3.95	279.2	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Stage10	3.55	289.538	2.653	UL-RL	0.165	10.98	275.2	0	0	2.653
Stage10	3.15	299.879	5.032	UL-RL	0.165	10.98	275.2	0	0	5.032
Stage10	2.75	310.224	2.868	UL-RL	0.165	10.98	275.2	0	0	2.868
Stage10	2.35	320.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	1.95	330.922	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	1.55	341.275	0.031	UL-RL	0.165	10.98	275.2	0	0	0.031
Stage10	1.15	351.631	0.154	UL-RL	0.165	10.98	275.2	0	0	0.154
Stage10	0.75	362.233	0.738	UL-RL	0.165	10.98	275.2	0	0	0.738
Stage10	0.35	372.587	1.577	UL-RL	0.165	10.98	275.2	0	0	1.577
Stage10	-0.05	382.943	2.436	UL-RL	0.165	10.98	275.2	0	0	2.436
Stage10	-0.45	393.301	2.625	UL-RL	0.165	10.98	275.2	0	0	2.625
Stage10	-0.85	403.661	1.55	UL-RL	0.165	10.98	275.2	0	0	1.55
Stage10	-1.25	414.023	1.249	UL-RL	0.165	10.98	275.2	0	0	1.249
Stage10	-1.45	419.311	0.551	UL-RL	0.165	10.98	275.2	0	0	0.551
Stage10	-1.85	429.673	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-2.25	440.037	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-2.65	450.402	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.05	460.769	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.45	471.137	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.85	481.506	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-4.25	491.876	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-4.65	502.248	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-5.05	512.62	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-5.45	522.994	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-5.85	533.369	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-6.25	543.911	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-6.65	554.284	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-7.05	564.658	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-7.45	574.087	0	ACTIVE	0.165	10.98	275.2	0.947	0.053	0.947
Stage10	-7.85	580.674	1.965	UL-RL	0.165	10.98	275.2	4.735	0.053	6.7
Stage10	-8.25	587.263	25.783	UL-RL	0.165	10.98	275.2	8.524	0.053	34.307
Stage10	-8.65	593.852	51.632	UL-RL	0.165	10.98	275.2	12.312	0.053	63.945

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-9.05	600.442	71.409	UL-RL	0.165	10.98	275.2	16.101	0.053	0	87.509
Stage10	-9.45	607.032	83.224	UL-RL	0.165	10.98	275.2	19.889	0.053	0	103.113
Stage10	-9.85	613.623	89.469	UL-RL	0.165	10.98	275.2	23.677	0.053	0	113.146
Stage10	-10.25	620.215	92.958	UL-RL	0.165	10.98	275.2	27.466	0.053	0	120.423
Stage10	-10.65	626.807	95.559	UL-RL	0.165	10.98	275.2	31.254	0.053	0	126.812
Stage10	-11.05	633.537	98.139	UL-RL	0.165	10.98	275.2	35.042	0.053	0	133.181
Stage10	-11.45	640.129	100.933	UL-RL	0.165	10.98	275.2	38.831	0.053	0	139.764
Stage10	-11.85	646.721	103.898	UL-RL	0.165	10.98	275.2	42.619	0.053	0	146.517
Stage10	-12.25	653.314	106.929	UL-RL	0.165	10.98	275.2	46.407	0.053	0	153.337
Stage10	-12.65	659.907	109.948	UL-RL	0.165	10.98	275.2	50.196	0.053	0	160.144
Stage10	-13.05	666.5	112.918	UL-RL	0.165	10.98	275.2	53.984	0.053	0	166.902
Stage10	-13.45	673.094	115.83	UL-RL	0.165	10.98	275.2	57.772	0.053	0	173.603
Stage10	-13.85	679.689	118.694	UL-RL	0.165	10.98	275.2	61.561	0.053	0	180.254
Stage10	-14.25	686.284	121.516	UL-RL	0.165	10.98	275.2	65.349	0.053	0	186.866
Stage10	-14.65	692.879	124.307	UL-RL	0.165	10.98	275.2	69.137	0.053	0	193.444
Stage10	-15.05	699.475	127.071	UL-RL	0.165	10.98	275.2	72.926	0.053	0	199.997
Stage10	-15.45	706.189	129.812	UL-RL	0.165	10.98	275.2	76.714	0.053	0	206.527
Stage10	-15.85	712.784	132.534	UL-RL	0.165	10.98	275.2	80.503	0.053	0	213.036
Stage10	-16.25	719.38	135.237	UL-RL	0.165	10.98	275.2	84.291	0.053	0	219.528
Stage10	-16.65	725.976	137.928	UL-RL	0.165	10.98	275.2	88.079	0.053	0	226.007
Stage10	-17.05	732.572	140.61	UL-RL	0.165	10.98	275.2	91.868	0.053	0	232.478
Stage10	-17.3	736.737	142.286	UL-RL	0.165	10.98	275.2	94.235	0.053	0	236.522

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Scavo NORM.

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Scavo NORM.	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Scavo NORM.	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Scavo NORM.	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	0	3.798
Scavo NORM.	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	0	8.499
Scavo NORM.	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	0	13.14
Scavo NORM.	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	0	17.792
Scavo NORM.	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	0	22.245
Scavo NORM.	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	0	26.426
Scavo NORM.	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	0	29.664
Scavo NORM.	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	0	32.525
Scavo NORM.	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	0	34.71
Scavo NORM.	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Scavo NORM.	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	0	37.655
Scavo NORM.	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	0	40.309
Scavo NORM.	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	0	42.135
Scavo NORM.	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	0	45.518
Scavo NORM.	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	0	48.91
Scavo NORM.	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0	0.068
Scavo NORM.	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0	0.203
Scavo NORM.	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0	0.386
Scavo NORM.	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0	0.59
Scavo NORM.	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	0	1.055
Scavo NORM.	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	0	1.189
Scavo NORM.	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0	0.377
Scavo NORM.	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Scavo NORM.	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Scavo NORM.	5.15	248.215	0.006	UL-RL	0.165	10.98	275.2	0	0	0	0.006
Scavo NORM.	4.75	258.538	0.01	UL-RL	0.165	10.98	275.2	0	0	0	0.01
Scavo NORM.	4.35	268.867	0.01	UL-RL	0.165	10.98	275.2	0	0	0	0.01
Scavo NORM.	3.95	279.2	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Scavo NORM.	3.55	289.538	2.653	UL-RL	0.165	10.98	275.2	0	0	0	2.653
Scavo NORM.	3.15	299.879	5.031	UL-RL	0.165	10.98	275.2	0	0	0	5.031
Scavo NORM.	2.75	310.224	2.868	UL-RL	0.165	10.98	275.2	0	0	0	2.868
Scavo NORM.	2.35	320.572	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	1.95	330.922	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	1.55	341.275	0.031	UL-RL	0.165	10.98	275.2	0	0	0	0.031
Scavo NORM.	1.15	351.631	0.155	UL-RL	0.165	10.98	275.2	0	0	0	0.155
Scavo NORM.	0.75	362.233	0.74	UL-RL	0.165	10.98	275.2	0	0	0	0.74
Scavo NORM.	0.35	372.587	1.58	UL-RL	0.165	10.98	275.2	0	0	0	1.58
Scavo NORM.	-0.05	382.943	2.441	UL-RL	0.165	10.98	275.2	0	0	0	2.441
Scavo NORM.	-0.45	393.301	2.629	UL-RL	0.165	10.98	275.2	0	0	0	2.629
Scavo NORM.	-0.85	403.661	1.548	UL-RL	0.165	10.98	275.2	0	0	0	1.548
Scavo NORM.	-1.25	414.023	1.232	UL-RL	0.165	10.98	275.2	0	0	0	1.232
Scavo NORM.	-1.45	419.311	0.522	UL-RL	0.165	10.98	275.2	0	0	0	0.522
Scavo NORM.	-1.85	429.673	0.009	UL-RL	0.165	10.98	275.2	0	0	0	0.009
Scavo NORM.	-2.25	440.037	0.027	UL-RL	0.165	10.98	275.2	0	0	0	0.027
Scavo NORM.	-2.65	450.402	0.054	UL-RL	0.165	10.98	275.2	0	0	0	0.054
Scavo NORM.	-3.05	460.769	0.094	UL-RL	0.165	10.98	275.2	0	0	0	0.094
Scavo NORM.	-3.45	471.137	0.128	UL-RL	0.165	10.98	275.2	0	0	0	0.128
Scavo NORM.	-3.85	481.506	0.097	UL-RL	0.165	10.98	275.2	0	0	0	0.097
Scavo NORM.	-4.25	491.876	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-4.65	502.248	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-5.05	512.62	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-5.45	522.994	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-5.85	533.369	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-6.25	543.911	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-6.65	554.284	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-7.05	564.658	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-7.45	575.034	0	ACTIVE	0.165	10.98	275.2	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-7.85	585.41	0	ACTIVE	0.165	10.98	275.2	0	0.056	0	0
Scavo NORM.	-8.25	592.01	3.1	UL-RL	0.165	10.98	275.2	3.777	0.056	0	6.877
Scavo NORM.	-8.65	598.611	26.885	UL-RL	0.165	10.98	275.2	7.553	0.056	0	34.438
Scavo NORM.	-9.05	605.213	52.688	UL-RL	0.165	10.98	275.2	11.33	0.056	0	64.017
Scavo NORM.	-9.45	611.815	72.492	UL-RL	0.165	10.98	275.2	15.106	0.056	0	87.598
Scavo NORM.	-9.85	618.418	84.383	UL-RL	0.165	10.98	275.2	18.883	0.056	0	103.266
Scavo NORM.	-10.25	625.022	90.716	UL-RL	0.165	10.98	275.2	22.659	0.056	0	113.376
Scavo NORM.	-10.65	631.626	94.289	UL-RL	0.165	10.98	275.2	26.436	0.056	0	120.725
Scavo NORM.	-11.05	638.367	96.965	UL-RL	0.165	10.98	275.2	30.212	0.056	0	127.178
Scavo NORM.	-11.45	644.971	99.612	UL-RL	0.165	10.98	275.2	33.989	0.056	0	133.601
Scavo NORM.	-11.85	651.575	102.462	UL-RL	0.165	10.98	275.2	37.765	0.056	0	140.228
Scavo NORM.	-12.25	658.179	105.476	UL-RL	0.165	10.98	275.2	41.542	0.056	0	147.018
Scavo NORM.	-12.65	664.784	108.549	UL-RL	0.165	10.98	275.2	45.318	0.056	0	153.867
Scavo NORM.	-13.05	671.39	111.605	UL-RL	0.165	10.98	275.2	49.095	0.056	0	160.7
Scavo NORM.	-13.45	677.996	114.608	UL-RL	0.165	10.98	275.2	52.872	0.056	0	167.48
Scavo NORM.	-13.85	684.602	117.553	UL-RL	0.165	10.98	275.2	56.648	0.056	0	174.201
Scavo NORM.	-14.25	691.209	120.446	UL-RL	0.165	10.98	275.2	60.425	0.056	0	180.87
Scavo NORM.	-14.65	697.816	123.297	UL-RL	0.165	10.98	275.2	64.201	0.056	0	187.498
Scavo NORM.	-15.05	704.424	126.116	UL-RL	0.165	10.98	275.2	67.978	0.056	0	194.093
Scavo NORM.	-15.45	711.149	128.906	UL-RL	0.165	10.98	275.2	71.754	0.056	0	200.66
Scavo NORM.	-15.85	717.756	131.673	UL-RL	0.165	10.98	275.2	75.531	0.056	0	207.204
Scavo NORM.	-16.25	724.364	134.42	UL-RL	0.165	10.98	275.2	79.307	0.056	0	213.727
Scavo NORM.	-16.65	730.972	137.152	UL-RL	0.165	10.98	275.2	83.084	0.056	0	220.236
Scavo NORM.	-17.05	737.58	139.875	UL-RL	0.165	10.98	275.2	86.86	0.056	0	226.735
Scavo NORM.	-17.3	741.752	141.576	UL-RL	0.165	10.98	275.2	89.221	0.056	0	230.797

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno		Muro:		LEFT	Lato		RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.65	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	LEFT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-9.05	3.088	99.024	UL-RL	0.165	10.98	275.2	2.112	0.056	0	101.136
Scavo NORM.	-9.45	9.265	94.16	UL-RL	0.165	10.98	275.2	6.335	0.056	0	100.495
Scavo NORM.	-9.85	15.441	92.776	UL-RL	0.165	10.98	275.2	10.559	0.056	0	103.334
Scavo NORM.	-10.25	21.618	94.639	UL-RL	0.165	10.98	275.2	14.782	0.056	0	109.421
Scavo NORM.	-10.65	27.794	98.057	UL-RL	0.165	10.98	275.2	19.006	0.056	0	117.062
Scavo NORM.	-11.05	33.971	101.794	UL-RL	0.165	10.98	275.2	23.229	0.056	0	125.024
Scavo NORM.	-11.45	40.147	105.287	UL-RL	0.165	10.98	275.2	27.453	0.056	0	132.739
Scavo NORM.	-11.85	46.324	108.414	UL-RL	0.165	10.98	275.2	31.676	0.056	0	140.09
Scavo NORM.	-12.25	52.501	111.249	UL-RL	0.165	10.98	275.2	35.899	0.056	0	147.149
Scavo NORM.	-12.65	58.677	113.902	UL-RL	0.165	10.98	275.2	40.123	0.056	0	154.025
Scavo NORM.	-13.05	64.854	116.455	UL-RL	0.165	10.98	275.2	44.346	0.056	0	160.801
Scavo NORM.	-13.45	71.03	118.952	UL-RL	0.165	10.98	275.2	48.57	0.056	0	167.522
Scavo NORM.	-13.85	77.207	121.414	UL-RL	0.165	10.98	275.2	52.793	0.056	0	174.207
Scavo NORM.	-14.25	83.383	123.846	UL-RL	0.165	10.98	275.2	57.017	0.056	0	180.862
Scavo NORM.	-14.65	89.56	126.248	UL-RL	0.165	10.98	275.2	61.24	0.056	0	187.488
Scavo NORM.	-15.05	95.736	128.623	UL-RL	0.165	10.98	275.2	65.464	0.056	0	194.087
Scavo NORM.	-15.45	101.913	130.972	UL-RL	0.165	10.98	275.2	69.687	0.056	0	200.659
Scavo NORM.	-15.85	108.089	133.297	UL-RL	0.165	10.98	275.2	73.911	0.056	0	207.208
Scavo NORM.	-16.25	114.266	135.6	UL-RL	0.165	10.98	275.2	78.134	0.056	0	213.734
Scavo NORM.	-16.65	120.442	137.881	UL-RL	0.165	10.98	275.2	82.357	0.056	0	220.238
Scavo NORM.	-17.05	126.619	140.138	UL-RL	0.165	10.98	275.2	86.581	0.056	0	226.719
Scavo NORM.	-17.3	130.479	141.537	UL-RL	0.165	10.98	275.2	89.221	0.056	0	230.758

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Scavo NORM.

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato		LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-9.05	3.088	99.024	UL-RL	0.165	10.98	275.2	2.112	0.056	0	101.136
Scavo NORM.	-9.45	9.265	94.16	UL-RL	0.165	10.98	275.2	6.335	0.056	0	100.495
Scavo NORM.	-9.85	15.441	92.776	UL-RL	0.165	10.98	275.2	10.559	0.056	0	103.334
Scavo NORM.	-10.25	21.618	94.639	UL-RL	0.165	10.98	275.2	14.782	0.056	0	109.421
Scavo NORM.	-10.65	27.794	98.057	UL-RL	0.165	10.98	275.2	19.006	0.056	0	117.062
Scavo NORM.	-11.05	33.971	101.794	UL-RL	0.165	10.98	275.2	23.229	0.056	0	125.024
Scavo NORM.	-11.45	40.147	105.287	UL-RL	0.165	10.98	275.2	27.453	0.056	0	132.739
Scavo NORM.	-11.85	46.324	108.414	UL-RL	0.165	10.98	275.2	31.676	0.056	0	140.09
Scavo NORM.	-12.25	52.501	111.249	UL-RL	0.165	10.98	275.2	35.899	0.056	0	147.149
Scavo NORM.	-12.65	58.677	113.902	UL-RL	0.165	10.98	275.2	40.123	0.056	0	154.025
Scavo NORM.	-13.05	64.854	116.455	UL-RL	0.165	10.98	275.2	44.346	0.056	0	160.801
Scavo NORM.	-13.45	71.03	118.952	UL-RL	0.165	10.98	275.2	48.57	0.056	0	167.522
Scavo NORM.	-13.85	77.207	121.414	UL-RL	0.165	10.98	275.2	52.793	0.056	0	174.207
Scavo NORM.	-14.25	83.383	123.846	UL-RL	0.165	10.98	275.2	57.017	0.056	0	180.862
Scavo NORM.	-14.65	89.56	126.248	UL-RL	0.165	10.98	275.2	61.24	0.056	0	187.488
Scavo NORM.	-15.05	95.736	128.623	UL-RL	0.165	10.98	275.2	65.464	0.056	0	194.087
Scavo NORM.	-15.45	101.913	130.972	UL-RL	0.165	10.98	275.2	69.687	0.056	0	200.659
Scavo NORM.	-15.85	108.089	133.297	UL-RL	0.165	10.98	275.2	73.911	0.056	0	207.208
Scavo NORM.	-16.25	114.266	135.6	UL-RL	0.165	10.98	275.2	78.134	0.056	0	213.734
Scavo NORM.	-16.65	120.442	137.881	UL-RL	0.165	10.98	275.2	82.357	0.056	0	220.238
Scavo NORM.	-17.05	126.619	140.138	UL-RL	0.165	10.98	275.2	86.581	0.056	0	226.719
Scavo NORM.	-17.3	130.479	141.537	UL-RL	0.165	10.98	275.2	89.221	0.056	0	230.758

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT			
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U*	Peq (kPa)
Scavo NORM.	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Scavo NORM.	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Scavo NORM.	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Scavo NORM.	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Scavo NORM.	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Scavo NORM.	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Scavo NORM.	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Scavo NORM.	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Scavo NORM.	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Scavo NORM.	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Scavo NORM.	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Scavo NORM.	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Scavo NORM.	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Scavo NORM.	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Scavo NORM.	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Scavo NORM.	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Scavo NORM.	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Scavo NORM.	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Scavo NORM.	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Scavo NORM.	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Scavo NORM.	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Scavo NORM.	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0.59
Scavo NORM.	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	1.055
Scavo NORM.	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	1.189
Scavo NORM.	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Scavo NORM.	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Scavo NORM.	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Scavo NORM.	5.15	248.215	0.006	UL-RL	0.165	10.98	275.2	0	0	0.006
Scavo NORM.	4.75	258.538	0.01	UL-RL	0.165	10.98	275.2	0	0	0.01
Scavo NORM.	4.35	268.867	0.01	UL-RL	0.165	10.98	275.2	0	0	0.01
Scavo NORM.	3.95	279.2	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Scavo NORM.	3.55	289.538	2.653	UL-RL	0.165	10.98	275.2	0	0	2.653
Scavo NORM.	3.15	299.879	5.031	UL-RL	0.165	10.98	275.2	0	0	5.031
Scavo NORM.	2.75	310.224	2.868	UL-RL	0.165	10.98	275.2	0	0	2.868
Scavo NORM.	2.35	320.572	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	1.95	330.922	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	1.55	341.275	0.031	UL-RL	0.165	10.98	275.2	0	0	0.031
Scavo NORM.	1.15	351.631	0.155	UL-RL	0.165	10.98	275.2	0	0	0.155
Scavo NORM.	0.75	362.233	0.74	UL-RL	0.165	10.98	275.2	0	0	0.74
Scavo NORM.	0.35	372.587	1.58	UL-RL	0.165	10.98	275.2	0	0	1.58
Scavo NORM.	-0.05	382.943	2.441	UL-RL	0.165	10.98	275.2	0	0	2.441
Scavo NORM.	-0.45	393.301	2.629	UL-RL	0.165	10.98	275.2	0	0	2.629
Scavo NORM.	-0.85	403.661	1.548	UL-RL	0.165	10.98	275.2	0	0	1.548
Scavo NORM.	-1.25	414.023	1.232	UL-RL	0.165	10.98	275.2	0	0	1.232
Scavo NORM.	-1.45	419.311	0.522	UL-RL	0.165	10.98	275.2	0	0	0.522
Scavo NORM.	-1.85	429.673	0.009	UL-RL	0.165	10.98	275.2	0	0	0.009
Scavo NORM.	-2.25	440.037	0.027	UL-RL	0.165	10.98	275.2	0	0	0.027
Scavo NORM.	-2.65	450.402	0.054	UL-RL	0.165	10.98	275.2	0	0	0.054
Scavo NORM.	-3.05	460.769	0.094	UL-RL	0.165	10.98	275.2	0	0	0.094
Scavo NORM.	-3.45	471.137	0.128	UL-RL	0.165	10.98	275.2	0	0	0.128
Scavo NORM.	-3.85	481.506	0.097	UL-RL	0.165	10.98	275.2	0	0	0.097
Scavo NORM.	-4.25	491.876	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-4.65	502.248	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-5.05	512.62	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-5.45	522.994	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-5.85	533.369	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-6.25	543.911	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-6.65	554.284	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-7.05	564.658	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-7.45	575.034	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-7.85	585.41	0	ACTIVE	0.165	10.98	275.2	0	0.056	0
Scavo NORM.	-8.25	592.01	3.1	UL-RL	0.165	10.98	275.2	3.777	0.056	6.877
Scavo NORM.	-8.65	598.611	26.885	UL-RL	0.165	10.98	275.2	7.553	0.056	34.438

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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

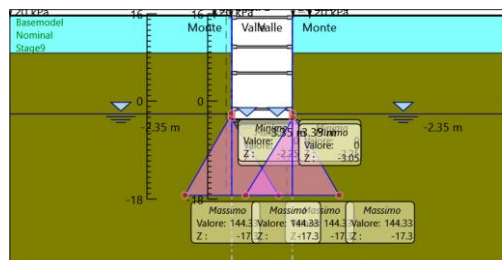
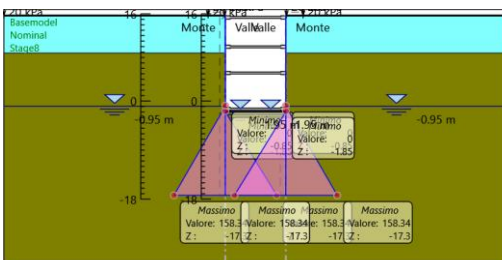
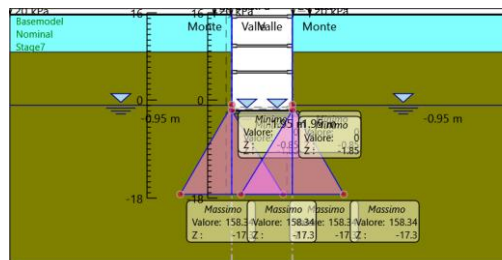
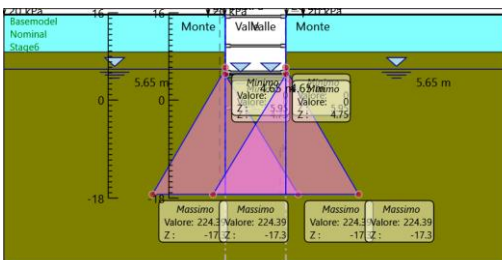
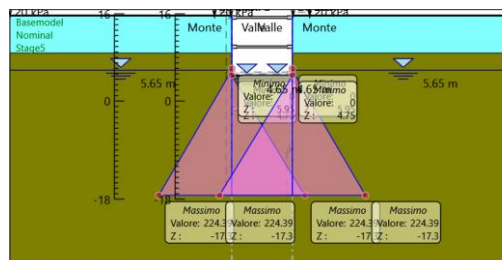
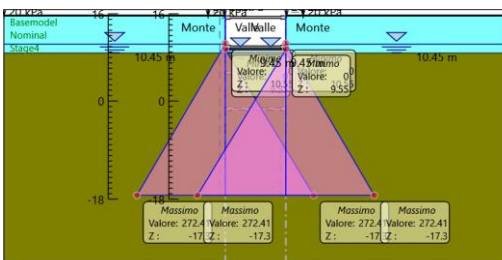
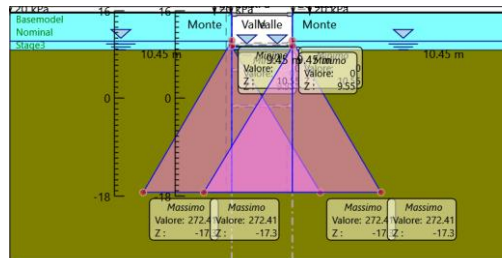
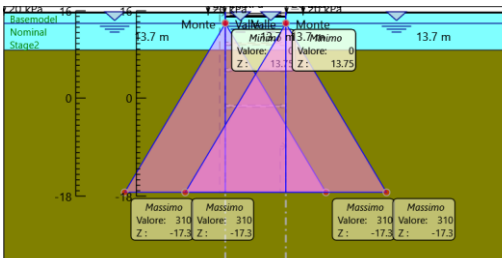
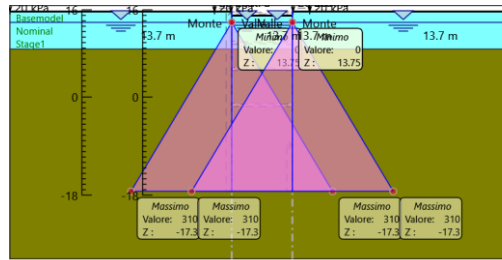
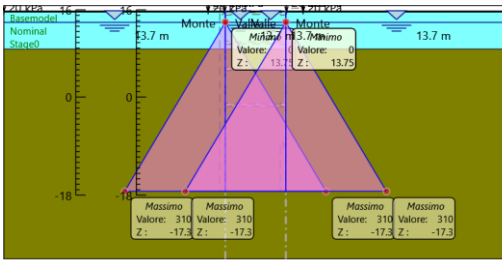
Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-9.05	605.213	52.688	UL-RL	0.165	10.98	275.2	11.33	0.056	0	64.017
Scavo NORM.	-9.45	611.815	72.492	UL-RL	0.165	10.98	275.2	15.106	0.056	0	87.598
Scavo NORM.	-9.85	618.418	84.383	UL-RL	0.165	10.98	275.2	18.883	0.056	0	103.266
Scavo NORM.	-10.25	625.022	90.716	UL-RL	0.165	10.98	275.2	22.659	0.056	0	113.376
Scavo NORM.	-10.65	631.626	94.289	UL-RL	0.165	10.98	275.2	26.436	0.056	0	120.725
Scavo NORM.	-11.05	638.367	96.965	UL-RL	0.165	10.98	275.2	30.212	0.056	0	127.178
Scavo NORM.	-11.45	644.971	99.612	UL-RL	0.165	10.98	275.2	33.989	0.056	0	133.601
Scavo NORM.	-11.85	651.575	102.462	UL-RL	0.165	10.98	275.2	37.765	0.056	0	140.228
Scavo NORM.	-12.25	658.179	105.476	UL-RL	0.165	10.98	275.2	41.542	0.056	0	147.018
Scavo NORM.	-12.65	664.784	108.549	UL-RL	0.165	10.98	275.2	45.318	0.056	0	153.867
Scavo NORM.	-13.05	671.39	111.605	UL-RL	0.165	10.98	275.2	49.095	0.056	0	160.7
Scavo NORM.	-13.45	677.996	114.608	UL-RL	0.165	10.98	275.2	52.872	0.056	0	167.48
Scavo NORM.	-13.85	684.602	117.553	UL-RL	0.165	10.98	275.2	56.648	0.056	0	174.201
Scavo NORM.	-14.25	691.209	120.446	UL-RL	0.165	10.98	275.2	60.425	0.056	0	180.87
Scavo NORM.	-14.65	697.816	123.297	UL-RL	0.165	10.98	275.2	64.201	0.056	0	187.498
Scavo NORM.	-15.05	704.424	126.116	UL-RL	0.165	10.98	275.2	67.978	0.056	0	194.093
Scavo NORM.	-15.45	711.149	128.906	UL-RL	0.165	10.98	275.2	71.754	0.056	0	200.66
Scavo NORM.	-15.85	717.756	131.673	UL-RL	0.165	10.98	275.2	75.531	0.056	0	207.204
Scavo NORM.	-16.25	724.364	134.42	UL-RL	0.165	10.98	275.2	79.307	0.056	0	213.727
Scavo NORM.	-16.65	730.972	137.152	UL-RL	0.165	10.98	275.2	83.084	0.056	0	220.236
Scavo NORM.	-17.05	737.58	139.875	UL-RL	0.165	10.98	275.2	86.86	0.056	0	226.735
Scavo NORM.	-17.3	741.752	141.576	UL-RL	0.165	10.98	275.2	89.221	0.056	0	230.797

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
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OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

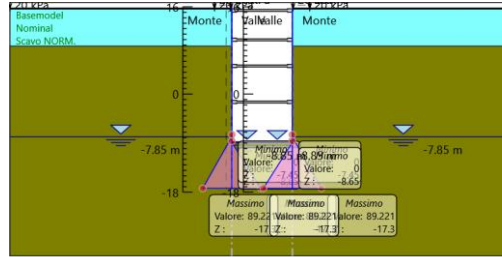
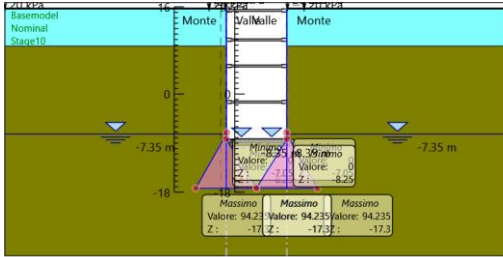
Grafico Risultati Terreno Pressione neutra



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

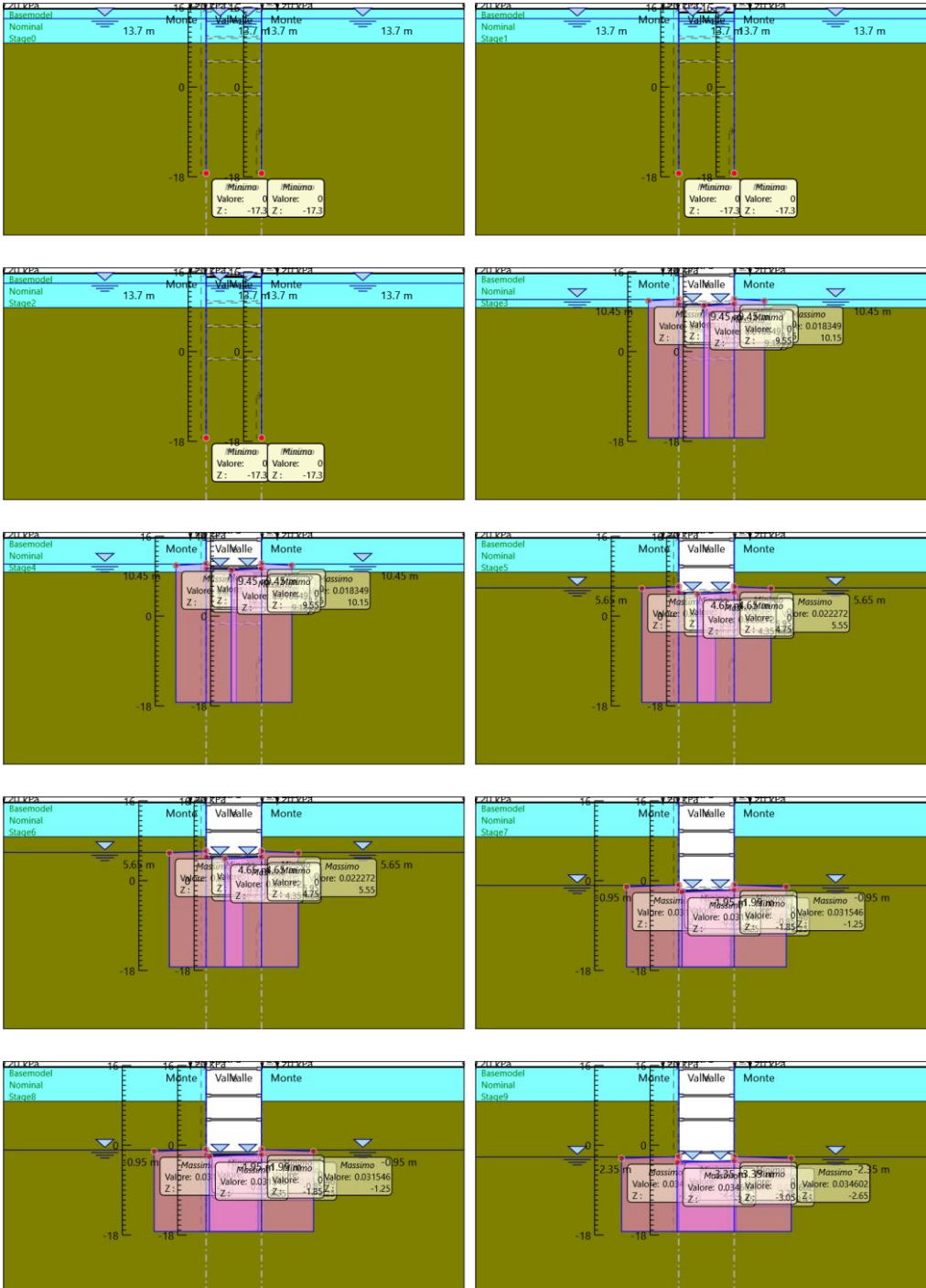


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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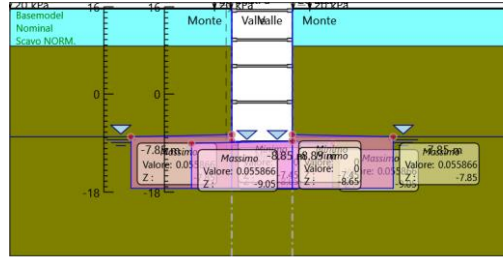
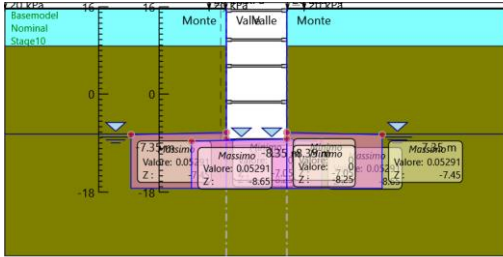
Grafico Risultati Terreno Gradiente idraulico



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Riepilogo spinte

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	LEFT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage0	3032.2	4805.1	7837.3	101.6	138990.8	2.18%	29.84
Stage1	2970.5	4805.1	7775.6	101.6	138990.8	2.14%	29.24
Stage2	2970.5	4805.1	7775.6	101.6	138990.8	2.14%	29.24
Stage3	2644.6	3779.8	6424.4	145.6	149388.8	1.77%	18.16
Stage4	2644.6	3779.8	6424.4	145.6	149388.8	1.77%	18.16
Stage5	2298	2575	4873	150.4	162524.7	1.41%	15.28
Stage6	2298	2575	4873	150.4	162524.7	1.41%	15.28
Stage7	1742.9	1294.6	3037.5	150.4	176583.5	0.99%	11.59
Stage8	1742.9	1294.6	3037.5	150.4	176583.5	0.99%	11.59
Stage9	1627.8	1079	2706.8	150.4	178950.9	0.91%	10.82
Stage10	1160.4	469	1629.4	150.4	185649	0.63%	7.72
Scavo NORM.	1118.5	421.6	1540.1	150.4	186169.4	0.6%	7.44

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	RIGHT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage0	3032.2	4805.1	7837.3	61.5	134472.8	2.25%	49.3
Stage1	2970.5	4805.1	7775.6	32	129887.9	2.29%	92.83
Stage2	2970.5	4805.1	7775.6	32	129887.9	2.29%	92.83
Stage3	2742.8	3643.6	6386.4	0	108884.1	2.52%	∞
Stage4	2742.8	3643.6	6386.4	0	108884.1	2.52%	∞
Stage5	2238.1	2462.8	4700.9	0	81585.3	2.74%	∞
Stage6	2238.1	2462.8	4700.9	0	81585.3	2.74%	∞
Stage7	1643.4	1215.4	2858.9	0	48104.7	3.42%	∞
Stage8	1643.4	1215.4	2858.9	0	48104.7	3.42%	∞
Stage9	1517.1	1006.8	2524	0	42351.3	3.58%	∞
Stage10	1024.9	421.9	1446.8	0	22946.8	4.47%	∞
Scavo NORM.	980.3	377.2	1357.4	0	21467.6	4.57%	∞

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro: RIGHT		Lato LEFT		Percentuale di resistenza massima	Vera / Attiva
		Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)		
Stage0	3032.2	4805.1	7837.3	61.5	134472.8	2.25%	49.3
Stage1	2970.5	4805.1	7775.6	32	129887.9	2.29%	92.83
Stage2	2970.5	4805.1	7775.6	32	129887.9	2.29%	92.83
Stage3	2742.8	3643.6	6386.4	0	108884.1	2.52%	∞
Stage4	2742.8	3643.6	6386.4	0	108884.1	2.52%	∞
Stage5	2238.1	2462.8	4700.9	0	81585.3	2.74%	∞
Stage6	2238.1	2462.8	4700.9	0	81585.3	2.74%	∞
Stage7	1643.4	1215.4	2858.9	0	48104.7	3.42%	∞
Stage8	1643.4	1215.4	2858.9	0	48104.7	3.42%	∞
Stage9	1517.1	1006.8	2524	0	42351.3	3.58%	∞
Stage10	1024.9	421.9	1446.8	0	22946.8	4.47%	∞
Scavo NORM.	980.3	377.2	1357.4	0	21467.6	4.57%	∞

Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro: RIGHT		Lato RIGHT		Percentuale di resistenza massima	Vera / Attiva
		Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)		
Stage0	3032.2	4805.1	7837.3	101.6	138990.8	2.18%	29.84
Stage1	2970.5	4805.1	7775.6	101.6	138990.8	2.14%	29.24
Stage2	2970.5	4805.1	7775.6	101.6	138990.8	2.14%	29.24
Stage3	2644.6	3779.8	6424.4	145.6	149388.8	1.77%	18.16
Stage4	2644.6	3779.8	6424.4	145.6	149388.8	1.77%	18.16
Stage5	2298	2575	4873	150.4	162524.7	1.41%	15.28
Stage6	2298	2575	4873	150.4	162524.7	1.41%	15.28
Stage7	1742.9	1294.6	3037.5	150.4	176583.5	0.99%	11.59
Stage8	1742.9	1294.6	3037.5	150.4	176583.5	0.99%	11.59
Stage9	1627.8	1079	2706.8	150.4	178950.9	0.91%	10.82
Stage10	1160.4	469	1629.4	150.4	185649	0.63%	7.72
Scavo NORM.	1118.5	421.6	1540.1	150.4	186169.4	0.6%	7.44

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

SEZIONE VASCA



Report di Calcolo

Nome Progetto: MyProject

Autore: Engineer

Jobname:

Data:

Design Section: Basemodel

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Sommario
Contenuto Sommario

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Descrizione Pareti

X : 0 m

Quota in alto : 15.7 m

Quota di fondo : -17.3 m

Muro di sinistra

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

Spessore : 0.02 m

Diametro : 0.1937 m



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

X : 0 m

Quota in alto : 15.7 m

Quota di fondo : -17.3 m

Muro di sinistra

X : 10.94 m

Quota in alto : 15.7 m

Quota di fondo : -17.3 m

Muro di destra

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

Spessore : 0.02 m

Diametro : 0.1937 m

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

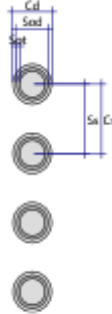
Spessore : 0.02 m

Diametro : 0.1937 m

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1



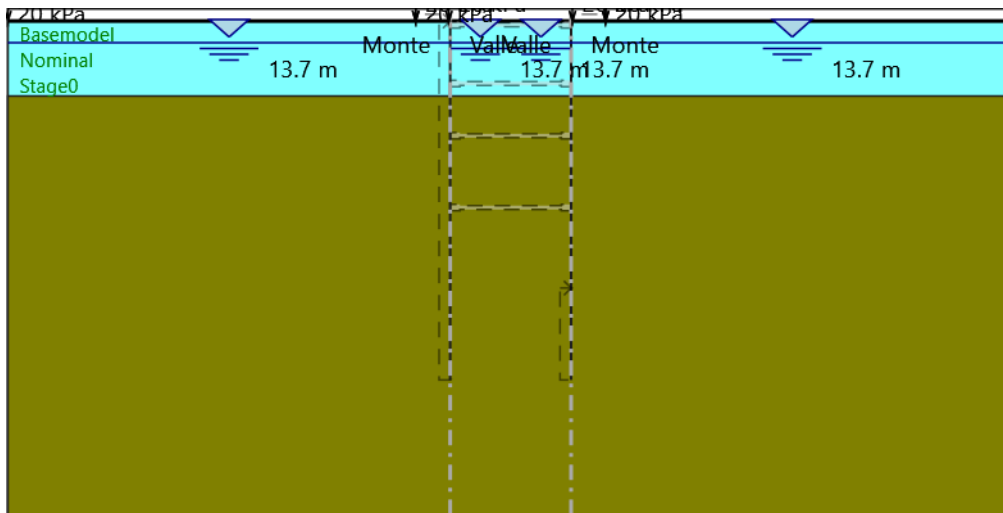
PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Fasi di Calcolo

Stage0



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage1



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage2

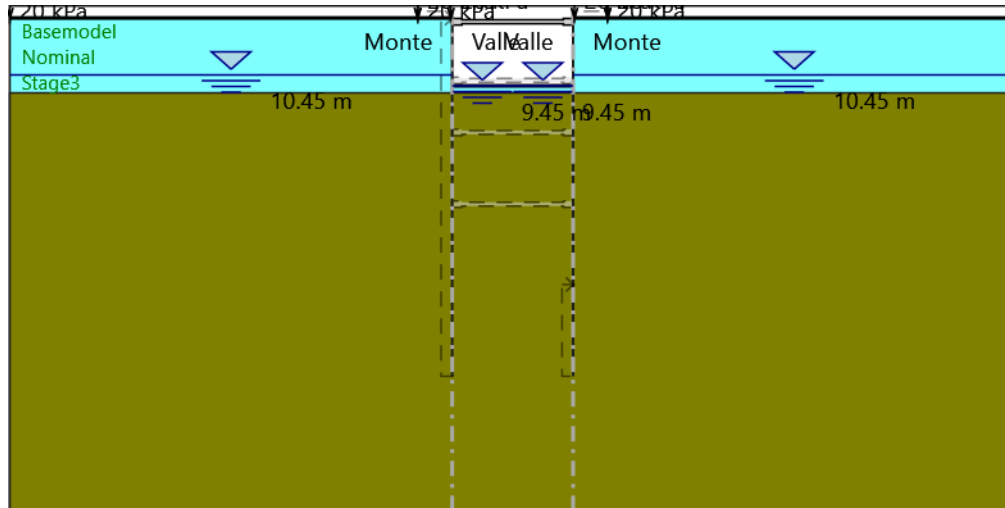


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage3

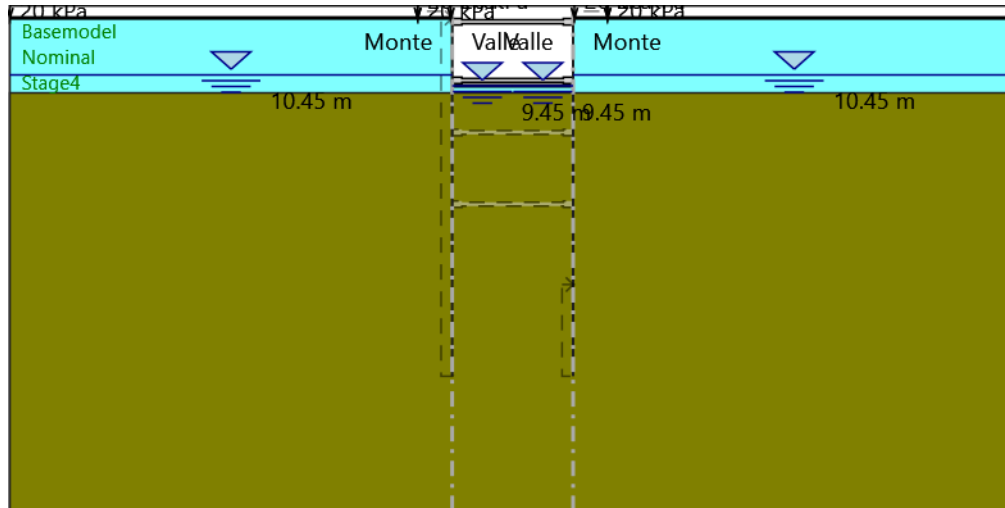


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage4

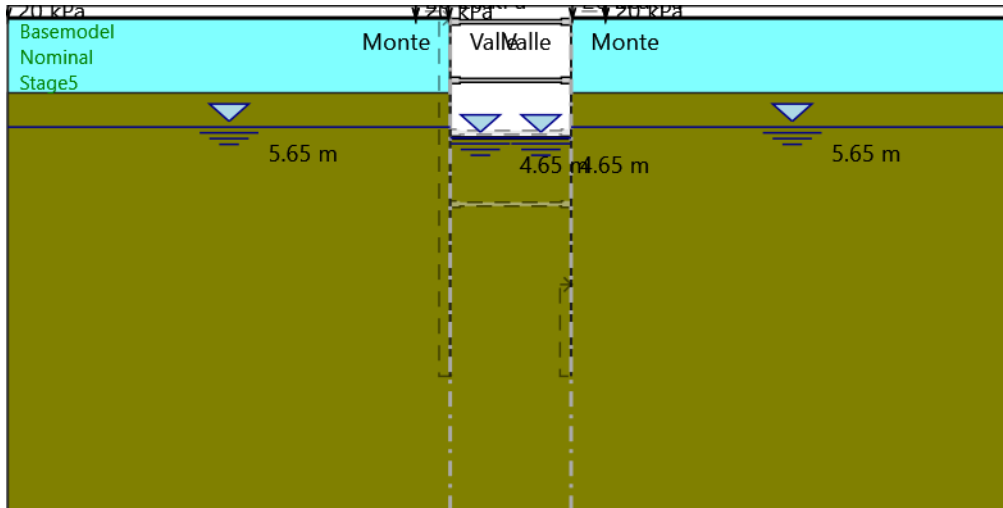


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage5

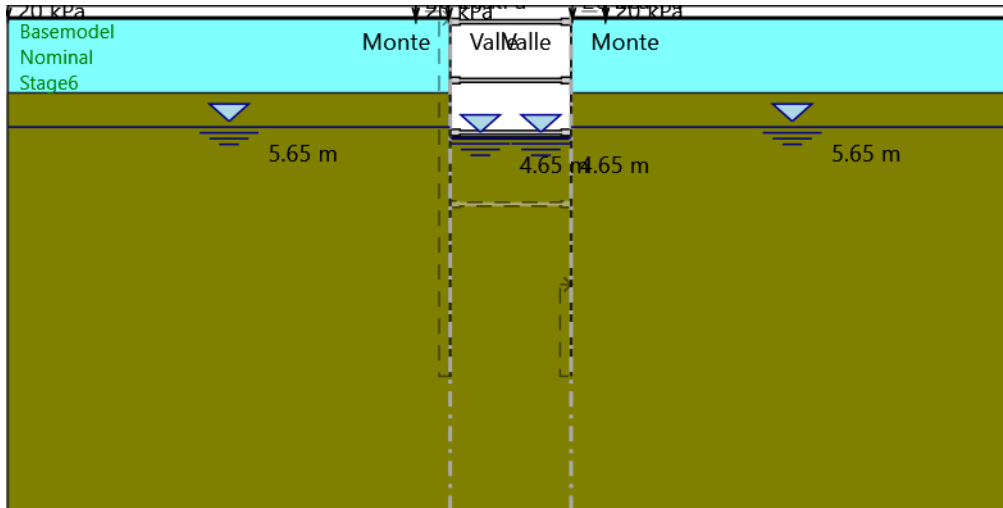


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage6

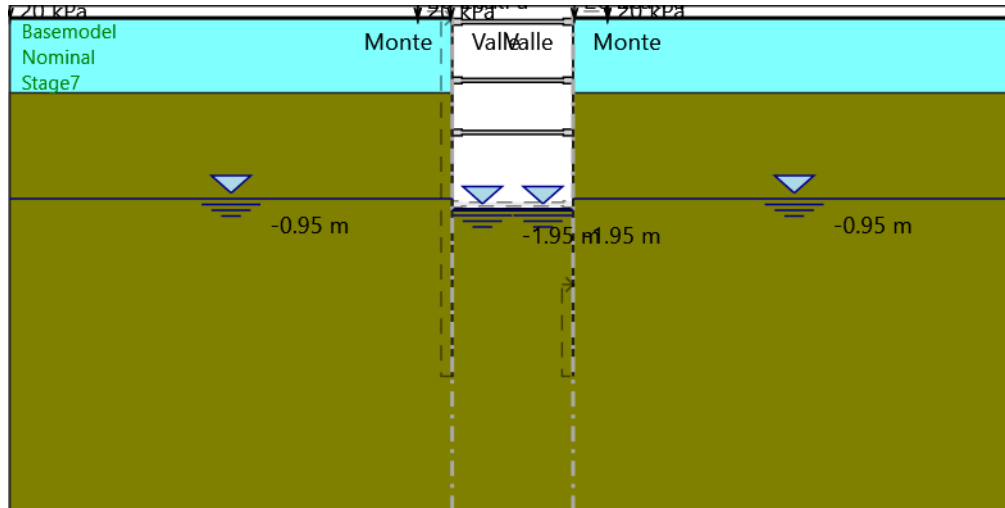


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage7

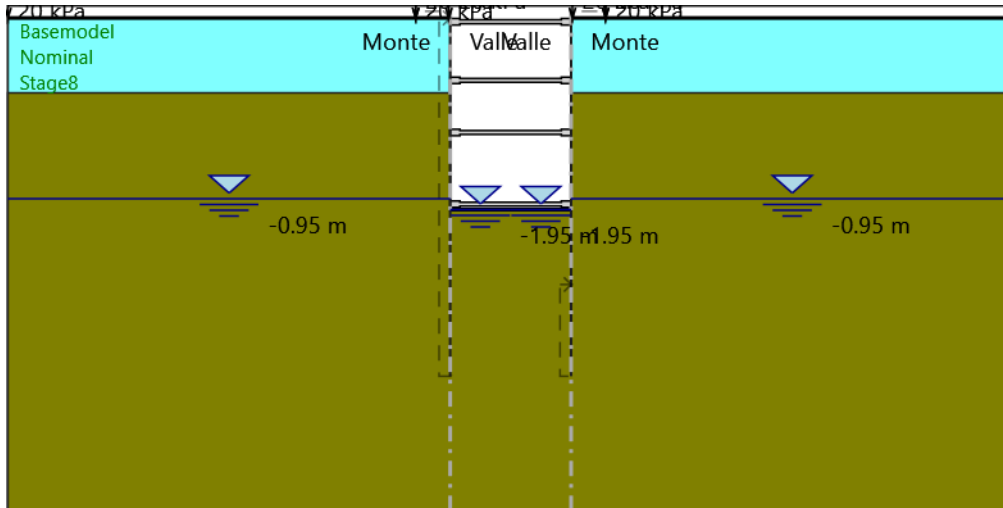


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage8

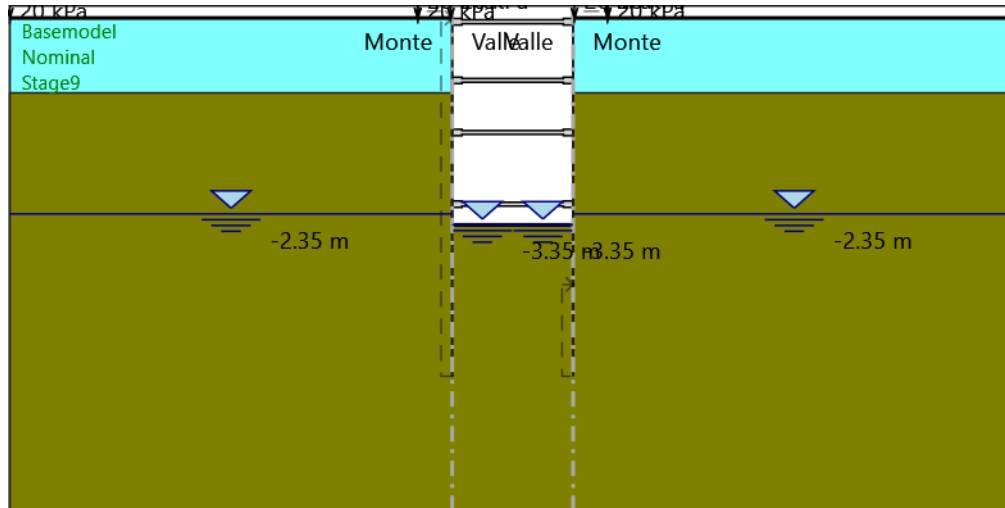


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage9

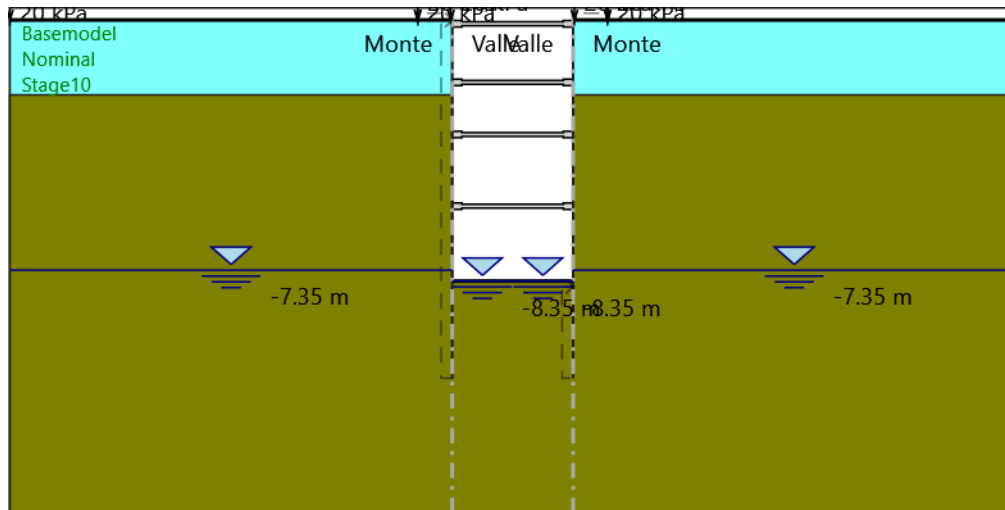


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage10

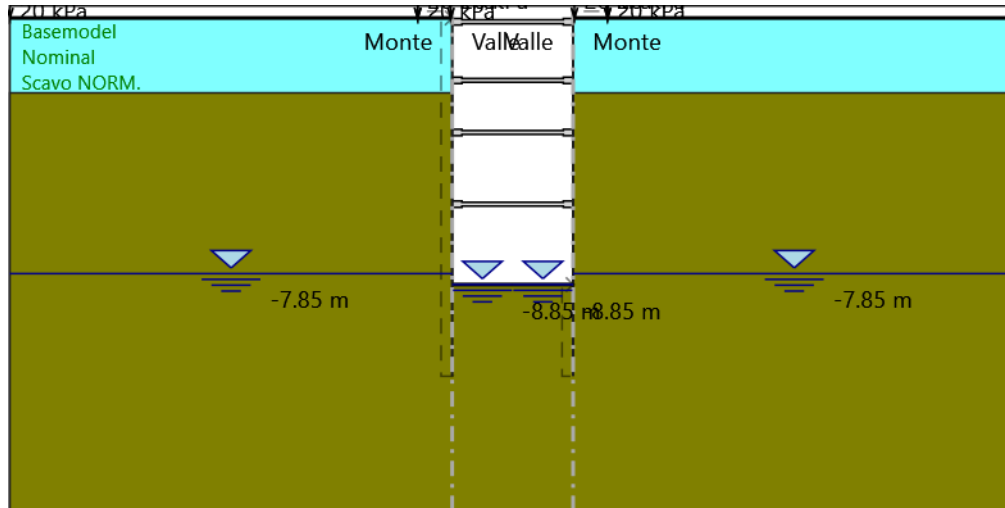


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Scavo NORM.



PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Grafici dei Risultati

Design Assumption : Nominal

Tabella Spostamento Nominal - LEFT Stage: Stage0

Design Assumption: Nominal Tipo Risultato: Spostamento		Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage0	15.7	0
Stage0	15.35	0
Stage0	14.95	0
Stage0	14.55	0
Stage0	14.15	0
Stage0	13.75	0
Stage0	13.35	0
Stage0	12.95	0
Stage0	12.55	0
Stage0	12.15	0
Stage0	11.75	0
Stage0	11.35	0
Stage0	10.95	0
Stage0	10.55	0
Stage0	10.15	0
Stage0	9.95	0
Stage0	9.55	0
Stage0	9.15	0
Stage0	8.75	0
Stage0	8.35	0
Stage0	7.95	0
Stage0	7.55	0
Stage0	7.15	0
Stage0	6.75	0
Stage0	6.35	0
Stage0	5.95	0
Stage0	5.55	0
Stage0	5.15	0
Stage0	4.75	0
Stage0	4.35	0
Stage0	3.95	0
Stage0	3.55	0
Stage0	3.15	0
Stage0	2.75	0
Stage0	2.35	0
Stage0	1.95	0
Stage0	1.55	0
Stage0	1.15	0
Stage0	0.75	0
Stage0	0.35	0
Stage0	-0.05	0
Stage0	-0.45	0
Stage0	-0.85	0
Stage0	-1.25	0
Stage0	-1.45	0
Stage0	-1.85	0
Stage0	-2.25	0
Stage0	-2.65	0
Stage0	-3.05	0
Stage0	-3.45	0
Stage0	-3.85	0
Stage0	-4.25	0
Stage0	-4.65	0
Stage0	-5.05	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage0	-5.45	0
Stage0	-5.85	0
Stage0	-6.25	0
Stage0	-6.65	0
Stage0	-7.05	0
Stage0	-7.45	0
Stage0	-7.85	0
Stage0	-8.25	0
Stage0	-8.65	0
Stage0	-9.05	0
Stage0	-9.45	0
Stage0	-9.85	0
Stage0	-10.25	0
Stage0	-10.65	0
Stage0	-11.05	0
Stage0	-11.45	0
Stage0	-11.85	0
Stage0	-12.25	0
Stage0	-12.65	0
Stage0	-13.05	0
Stage0	-13.45	0
Stage0	-13.85	0
Stage0	-14.25	0
Stage0	-14.65	0
Stage0	-15.05	0
Stage0	-15.45	0
Stage0	-15.85	0
Stage0	-16.25	0
Stage0	-16.65	0
Stage0	-17.05	0
Stage0	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage0

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage0	15.7	0
Stage0	15.35	0
Stage0	14.95	0
Stage0	14.55	0
Stage0	14.15	0
Stage0	13.75	0
Stage0	13.35	0
Stage0	12.95	0
Stage0	12.55	0
Stage0	12.15	0
Stage0	11.75	0
Stage0	11.35	0
Stage0	10.95	0
Stage0	10.55	0
Stage0	10.15	0
Stage0	9.95	0
Stage0	9.55	0
Stage0	9.15	0
Stage0	8.75	0
Stage0	8.35	0
Stage0	7.95	0
Stage0	7.55	0
Stage0	7.15	0
Stage0	6.75	0
Stage0	6.35	0
Stage0	5.95	0
Stage0	5.55	0
Stage0	5.15	0
Stage0	4.75	0
Stage0	4.35	0
Stage0	3.95	0
Stage0	3.55	0
Stage0	3.15	0
Stage0	2.75	0
Stage0	2.35	0
Stage0	1.95	0
Stage0	1.55	0
Stage0	1.15	0
Stage0	0.75	0
Stage0	0.35	0
Stage0	-0.05	0
Stage0	-0.45	0
Stage0	-0.85	0
Stage0	-1.25	0
Stage0	-1.45	0
Stage0	-1.85	0
Stage0	-2.25	0
Stage0	-2.65	0
Stage0	-3.05	0
Stage0	-3.45	0
Stage0	-3.85	0
Stage0	-4.25	0
Stage0	-4.65	0
Stage0	-5.05	0
Stage0	-5.45	0
Stage0	-5.85	0
Stage0	-6.25	0
Stage0	-6.65	0
Stage0	-7.05	0
Stage0	-7.45	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage0	-7.85	0
Stage0	-8.25	0
Stage0	-8.65	0
Stage0	-9.05	0
Stage0	-9.45	0
Stage0	-9.85	0
Stage0	-10.25	0
Stage0	-10.65	0
Stage0	-11.05	0
Stage0	-11.45	0
Stage0	-11.85	0
Stage0	-12.25	0
Stage0	-12.65	0
Stage0	-13.05	0
Stage0	-13.45	0
Stage0	-13.85	0
Stage0	-14.25	0
Stage0	-14.65	0
Stage0	-15.05	0
Stage0	-15.45	0
Stage0	-15.85	0
Stage0	-16.25	0
Stage0	-16.65	0
Stage0	-17.05	0
Stage0	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - LEFT Stage: Stage1

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage1	15.7	0.29	
Stage1	15.35	0.24	
Stage1	14.95	0.18	
Stage1	14.55	0.13	
Stage1	14.15	0.09	
Stage1	13.75	0.06	
Stage1	13.35	0.04	
Stage1	12.95	0.03	
Stage1	12.55	0.02	
Stage1	12.15	0.02	
Stage1	11.75	0.03	
Stage1	11.35	0.03	
Stage1	10.95	0.03	
Stage1	10.55	0.03	
Stage1	10.15	0.02	
Stage1	9.95	0.02	
Stage1	9.55	0.02	
Stage1	9.15	0.01	
Stage1	8.75	0	
Stage1	8.35	0	
Stage1	7.95	0	
Stage1	7.55	0	
Stage1	7.15	0	
Stage1	6.75	0	
Stage1	6.35	0	
Stage1	5.95	0	
Stage1	5.55	0	
Stage1	5.15	0	
Stage1	4.75	0	
Stage1	4.35	0	
Stage1	3.95	0	
Stage1	3.55	0	
Stage1	3.15	0	
Stage1	2.75	0	
Stage1	2.35	0	
Stage1	1.95	0	
Stage1	1.55	0	
Stage1	1.15	0	
Stage1	0.75	0	
Stage1	0.35	0	
Stage1	-0.05	0	
Stage1	-0.45	0	
Stage1	-0.85	0	
Stage1	-1.25	0	
Stage1	-1.45	0	
Stage1	-1.85	0	
Stage1	-2.25	0	
Stage1	-2.65	0	
Stage1	-3.05	0	
Stage1	-3.45	0	
Stage1	-3.85	0	
Stage1	-4.25	0	
Stage1	-4.65	0	
Stage1	-5.05	0	
Stage1	-5.45	0	
Stage1	-5.85	0	
Stage1	-6.25	0	
Stage1	-6.65	0	
Stage1	-7.05	0	
Stage1	-7.45	0	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage1	-7.85	0
Stage1	-8.25	0
Stage1	-8.65	0
Stage1	-9.05	0
Stage1	-9.45	0
Stage1	-9.85	0
Stage1	-10.25	0
Stage1	-10.65	0
Stage1	-11.05	0
Stage1	-11.45	0
Stage1	-11.85	0
Stage1	-12.25	0
Stage1	-12.65	0
Stage1	-13.05	0
Stage1	-13.45	0
Stage1	-13.85	0
Stage1	-14.25	0
Stage1	-14.65	0
Stage1	-15.05	0
Stage1	-15.45	0
Stage1	-15.85	0
Stage1	-16.25	0
Stage1	-16.65	0
Stage1	-17.05	0
Stage1	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage1	15.7	-0.29
Stage1	15.35	-0.24
Stage1	14.95	-0.18
Stage1	14.55	-0.13
Stage1	14.15	-0.09
Stage1	13.75	-0.06
Stage1	13.35	-0.04
Stage1	12.95	-0.03
Stage1	12.55	-0.02
Stage1	12.15	-0.02
Stage1	11.75	-0.03
Stage1	11.35	-0.03
Stage1	10.95	-0.03
Stage1	10.55	-0.03
Stage1	10.15	-0.02
Stage1	9.95	-0.02
Stage1	9.55	-0.02
Stage1	9.15	-0.01
Stage1	8.75	0
Stage1	8.35	0
Stage1	7.95	0
Stage1	7.55	0
Stage1	7.15	0
Stage1	6.75	0
Stage1	6.35	0
Stage1	5.95	0
Stage1	5.55	0
Stage1	5.15	0
Stage1	4.75	0
Stage1	4.35	0
Stage1	3.95	0
Stage1	3.55	0
Stage1	3.15	0
Stage1	2.75	0
Stage1	2.35	0
Stage1	1.95	0
Stage1	1.55	0
Stage1	1.15	0
Stage1	0.75	0
Stage1	0.35	0
Stage1	-0.05	0
Stage1	-0.45	0
Stage1	-0.85	0
Stage1	-1.25	0
Stage1	-1.45	0
Stage1	-1.85	0
Stage1	-2.25	0
Stage1	-2.65	0
Stage1	-3.05	0
Stage1	-3.45	0
Stage1	-3.85	0
Stage1	-4.25	0
Stage1	-4.65	0
Stage1	-5.05	0
Stage1	-5.45	0
Stage1	-5.85	0
Stage1	-6.25	0
Stage1	-6.65	0
Stage1	-7.05	0
Stage1	-7.45	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage1	-7.85	0
Stage1	-8.25	0
Stage1	-8.65	0
Stage1	-9.05	0
Stage1	-9.45	0
Stage1	-9.85	0
Stage1	-10.25	0
Stage1	-10.65	0
Stage1	-11.05	0
Stage1	-11.45	0
Stage1	-11.85	0
Stage1	-12.25	0
Stage1	-12.65	0
Stage1	-13.05	0
Stage1	-13.45	0
Stage1	-13.85	0
Stage1	-14.25	0
Stage1	-14.65	0
Stage1	-15.05	0
Stage1	-15.45	0
Stage1	-15.85	0
Stage1	-16.25	0
Stage1	-16.65	0
Stage1	-17.05	0
Stage1	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - LEFT Stage: Stage2

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage2	15.7	0.29	
Stage2	15.35	0.24	
Stage2	14.95	0.18	
Stage2	14.55	0.13	
Stage2	14.15	0.09	
Stage2	13.75	0.06	
Stage2	13.35	0.04	
Stage2	12.95	0.03	
Stage2	12.55	0.02	
Stage2	12.15	0.02	
Stage2	11.75	0.03	
Stage2	11.35	0.03	
Stage2	10.95	0.03	
Stage2	10.55	0.03	
Stage2	10.15	0.02	
Stage2	9.95	0.02	
Stage2	9.55	0.02	
Stage2	9.15	0.01	
Stage2	8.75	0	
Stage2	8.35	0	
Stage2	7.95	0	
Stage2	7.55	0	
Stage2	7.15	0	
Stage2	6.75	0	
Stage2	6.35	0	
Stage2	5.95	0	
Stage2	5.55	0	
Stage2	5.15	0	
Stage2	4.75	0	
Stage2	4.35	0	
Stage2	3.95	0	
Stage2	3.55	0	
Stage2	3.15	0	
Stage2	2.75	0	
Stage2	2.35	0	
Stage2	1.95	0	
Stage2	1.55	0	
Stage2	1.15	0	
Stage2	0.75	0	
Stage2	0.35	0	
Stage2	-0.05	0	
Stage2	-0.45	0	
Stage2	-0.85	0	
Stage2	-1.25	0	
Stage2	-1.45	0	
Stage2	-1.85	0	
Stage2	-2.25	0	
Stage2	-2.65	0	
Stage2	-3.05	0	
Stage2	-3.45	0	
Stage2	-3.85	0	
Stage2	-4.25	0	
Stage2	-4.65	0	
Stage2	-5.05	0	
Stage2	-5.45	0	
Stage2	-5.85	0	
Stage2	-6.25	0	
Stage2	-6.65	0	
Stage2	-7.05	0	
Stage2	-7.45	0	

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage2	-7.85	0
Stage2	-8.25	0
Stage2	-8.65	0
Stage2	-9.05	0
Stage2	-9.45	0
Stage2	-9.85	0
Stage2	-10.25	0
Stage2	-10.65	0
Stage2	-11.05	0
Stage2	-11.45	0
Stage2	-11.85	0
Stage2	-12.25	0
Stage2	-12.65	0
Stage2	-13.05	0
Stage2	-13.45	0
Stage2	-13.85	0
Stage2	-14.25	0
Stage2	-14.65	0
Stage2	-15.05	0
Stage2	-15.45	0
Stage2	-15.85	0
Stage2	-16.25	0
Stage2	-16.65	0
Stage2	-17.05	0
Stage2	-17.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage2

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage2	15.7	-0.29
Stage2	15.35	-0.24
Stage2	14.95	-0.18
Stage2	14.55	-0.13
Stage2	14.15	-0.09
Stage2	13.75	-0.06
Stage2	13.35	-0.04
Stage2	12.95	-0.03
Stage2	12.55	-0.02
Stage2	12.15	-0.02
Stage2	11.75	-0.03
Stage2	11.35	-0.03
Stage2	10.95	-0.03
Stage2	10.55	-0.03
Stage2	10.15	-0.02
Stage2	9.95	-0.02
Stage2	9.55	-0.02
Stage2	9.15	-0.01
Stage2	8.75	0
Stage2	8.35	0
Stage2	7.95	0
Stage2	7.55	0
Stage2	7.15	0
Stage2	6.75	0
Stage2	6.35	0
Stage2	5.95	0
Stage2	5.55	0
Stage2	5.15	0
Stage2	4.75	0
Stage2	4.35	0
Stage2	3.95	0
Stage2	3.55	0
Stage2	3.15	0
Stage2	2.75	0
Stage2	2.35	0
Stage2	1.95	0
Stage2	1.55	0
Stage2	1.15	0
Stage2	0.75	0
Stage2	0.35	0
Stage2	-0.05	0
Stage2	-0.45	0
Stage2	-0.85	0
Stage2	-1.25	0
Stage2	-1.45	0
Stage2	-1.85	0
Stage2	-2.25	0
Stage2	-2.65	0
Stage2	-3.05	0
Stage2	-3.45	0
Stage2	-3.85	0
Stage2	-4.25	0
Stage2	-4.65	0
Stage2	-5.05	0
Stage2	-5.45	0
Stage2	-5.85	0
Stage2	-6.25	0
Stage2	-6.65	0
Stage2	-7.05	0
Stage2	-7.45	0

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage2	-7.85	0
Stage2	-8.25	0
Stage2	-8.65	0
Stage2	-9.05	0
Stage2	-9.45	0
Stage2	-9.85	0
Stage2	-10.25	0
Stage2	-10.65	0
Stage2	-11.05	0
Stage2	-11.45	0
Stage2	-11.85	0
Stage2	-12.25	0
Stage2	-12.65	0
Stage2	-13.05	0
Stage2	-13.45	0
Stage2	-13.85	0
Stage2	-14.25	0
Stage2	-14.65	0
Stage2	-15.05	0
Stage2	-15.45	0
Stage2	-15.85	0
Stage2	-16.25	0
Stage2	-16.65	0
Stage2	-17.05	0
Stage2	-17.3	0

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage3

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage3	15.7	-1.18	
Stage3	15.35	0.53	
Stage3	14.95	2.47	
Stage3	14.55	4.35	
Stage3	14.15	6.09	
Stage3	13.75	7.64	
Stage3	13.35	8.92	
Stage3	12.95	9.88	
Stage3	12.55	10.48	
Stage3	12.15	10.69	
Stage3	11.75	10.5	
Stage3	11.35	9.9	
Stage3	10.95	8.95	
Stage3	10.55	7.67	
Stage3	10.15	6.17	
Stage3	9.95	5.36	
Stage3	9.55	3.73	
Stage3	9.15	2.21	
Stage3	8.75	1.01	
Stage3	8.35	0.3	
Stage3	7.95	0	
Stage3	7.55	-0.06	
Stage3	7.15	-0.03	
Stage3	6.75	0.01	
Stage3	6.35	0.03	
Stage3	5.95	0.03	
Stage3	5.55	0.03	
Stage3	5.15	0.03	
Stage3	4.75	0.03	
Stage3	4.35	0.03	
Stage3	3.95	0.03	
Stage3	3.55	0.03	
Stage3	3.15	0.03	
Stage3	2.75	0.03	
Stage3	2.35	0.03	
Stage3	1.95	0.03	
Stage3	1.55	0.03	
Stage3	1.15	0.03	
Stage3	0.75	0.03	
Stage3	0.35	0.03	
Stage3	-0.05	0.03	
Stage3	-0.45	0.02	
Stage3	-0.85	0.02	
Stage3	-1.25	0.02	
Stage3	-1.45	0.02	
Stage3	-1.85	0.02	
Stage3	-2.25	0.02	
Stage3	-2.65	0.02	
Stage3	-3.05	0.02	
Stage3	-3.45	0.02	
Stage3	-3.85	0.02	
Stage3	-4.25	0.02	
Stage3	-4.65	0.02	
Stage3	-5.05	0.02	
Stage3	-5.45	0.02	
Stage3	-5.85	0.02	
Stage3	-6.25	0.02	
Stage3	-6.65	0.02	
Stage3	-7.05	0.02	
Stage3	-7.45	0.02	

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage3	-7.85	0.02
Stage3	-8.25	0.02
Stage3	-8.65	0.02
Stage3	-9.05	0.02
Stage3	-9.45	0.02
Stage3	-9.85	0.02
Stage3	-10.25	0.02
Stage3	-10.65	0.02
Stage3	-11.05	0.02
Stage3	-11.45	0.02
Stage3	-11.85	0.02
Stage3	-12.25	0.02
Stage3	-12.65	0.02
Stage3	-13.05	0.02
Stage3	-13.45	0.02
Stage3	-13.85	0.02
Stage3	-14.25	0.02
Stage3	-14.65	0.02
Stage3	-15.05	0.02
Stage3	-15.45	0.02
Stage3	-15.85	0.02
Stage3	-16.25	0.02
Stage3	-16.65	0.02
Stage3	-17.05	0.02
Stage3	-17.3	0.02

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage3

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage3	15.7	1.18
Stage3	15.35	-0.53
Stage3	14.95	-2.47
Stage3	14.55	-4.35
Stage3	14.15	-6.09
Stage3	13.75	-7.64
Stage3	13.35	-8.92
Stage3	12.95	-9.88
Stage3	12.55	-10.48
Stage3	12.15	-10.69
Stage3	11.75	-10.5
Stage3	11.35	-9.9
Stage3	10.95	-8.95
Stage3	10.55	-7.67
Stage3	10.15	-6.17
Stage3	9.95	-5.36
Stage3	9.55	-3.73
Stage3	9.15	-2.21
Stage3	8.75	-1.01
Stage3	8.35	-0.3
Stage3	7.95	0
Stage3	7.55	0.06
Stage3	7.15	0.03
Stage3	6.75	-0.01
Stage3	6.35	-0.03
Stage3	5.95	-0.03
Stage3	5.55	-0.03
Stage3	5.15	-0.03
Stage3	4.75	-0.03
Stage3	4.35	-0.03
Stage3	3.95	-0.03
Stage3	3.55	-0.03
Stage3	3.15	-0.03
Stage3	2.75	-0.03
Stage3	2.35	-0.03
Stage3	1.95	-0.03
Stage3	1.55	-0.03
Stage3	1.15	-0.03
Stage3	0.75	-0.03
Stage3	0.35	-0.03
Stage3	-0.05	-0.03
Stage3	-0.45	-0.02
Stage3	-0.85	-0.02
Stage3	-1.25	-0.02
Stage3	-1.45	-0.02
Stage3	-1.85	-0.02
Stage3	-2.25	-0.02
Stage3	-2.65	-0.02
Stage3	-3.05	-0.02
Stage3	-3.45	-0.02
Stage3	-3.85	-0.02
Stage3	-4.25	-0.02
Stage3	-4.65	-0.02
Stage3	-5.05	-0.02
Stage3	-5.45	-0.02
Stage3	-5.85	-0.02
Stage3	-6.25	-0.02
Stage3	-6.65	-0.02
Stage3	-7.05	-0.02
Stage3	-7.45	-0.02

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage3	-7.85	-0.02
Stage3	-8.25	-0.02
Stage3	-8.65	-0.02
Stage3	-9.05	-0.02
Stage3	-9.45	-0.02
Stage3	-9.85	-0.02
Stage3	-10.25	-0.02
Stage3	-10.65	-0.02
Stage3	-11.05	-0.02
Stage3	-11.45	-0.02
Stage3	-11.85	-0.02
Stage3	-12.25	-0.02
Stage3	-12.65	-0.02
Stage3	-13.05	-0.02
Stage3	-13.45	-0.02
Stage3	-13.85	-0.02
Stage3	-14.25	-0.02
Stage3	-14.65	-0.02
Stage3	-15.05	-0.02
Stage3	-15.45	-0.02
Stage3	-15.85	-0.02
Stage3	-16.25	-0.02
Stage3	-16.65	-0.02
Stage3	-17.05	-0.02
Stage3	-17.3	-0.02

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Tabella Spostamento Nominal - LEFT Stage: Stage4

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage4	15.7	-1.18	
Stage4	15.35	0.53	
Stage4	14.95	2.47	
Stage4	14.55	4.35	
Stage4	14.15	6.09	
Stage4	13.75	7.64	
Stage4	13.35	8.92	
Stage4	12.95	9.88	
Stage4	12.55	10.48	
Stage4	12.15	10.69	
Stage4	11.75	10.5	
Stage4	11.35	9.9	
Stage4	10.95	8.95	
Stage4	10.55	7.67	
Stage4	10.15	6.17	
Stage4	9.95	5.36	
Stage4	9.55	3.73	
Stage4	9.15	2.21	
Stage4	8.75	1.01	
Stage4	8.35	0.3	
Stage4	7.95	0	
Stage4	7.55	-0.06	
Stage4	7.15	-0.03	
Stage4	6.75	0.01	
Stage4	6.35	0.03	
Stage4	5.95	0.03	
Stage4	5.55	0.03	
Stage4	5.15	0.03	
Stage4	4.75	0.03	
Stage4	4.35	0.03	
Stage4	3.95	0.03	
Stage4	3.55	0.03	
Stage4	3.15	0.03	
Stage4	2.75	0.03	
Stage4	2.35	0.03	
Stage4	1.95	0.03	
Stage4	1.55	0.03	
Stage4	1.15	0.03	
Stage4	0.75	0.03	
Stage4	0.35	0.03	
Stage4	-0.05	0.03	
Stage4	-0.45	0.02	
Stage4	-0.85	0.02	
Stage4	-1.25	0.02	
Stage4	-1.45	0.02	
Stage4	-1.85	0.02	
Stage4	-2.25	0.02	
Stage4	-2.65	0.02	
Stage4	-3.05	0.02	
Stage4	-3.45	0.02	
Stage4	-3.85	0.02	
Stage4	-4.25	0.02	
Stage4	-4.65	0.02	
Stage4	-5.05	0.02	
Stage4	-5.45	0.02	
Stage4	-5.85	0.02	
Stage4	-6.25	0.02	
Stage4	-6.65	0.02	
Stage4	-7.05	0.02	
Stage4	-7.45	0.02	

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage4	-7.85	0.02
Stage4	-8.25	0.02
Stage4	-8.65	0.02
Stage4	-9.05	0.02
Stage4	-9.45	0.02
Stage4	-9.85	0.02
Stage4	-10.25	0.02
Stage4	-10.65	0.02
Stage4	-11.05	0.02
Stage4	-11.45	0.02
Stage4	-11.85	0.02
Stage4	-12.25	0.02
Stage4	-12.65	0.02
Stage4	-13.05	0.02
Stage4	-13.45	0.02
Stage4	-13.85	0.02
Stage4	-14.25	0.02
Stage4	-14.65	0.02
Stage4	-15.05	0.02
Stage4	-15.45	0.02
Stage4	-15.85	0.02
Stage4	-16.25	0.02
Stage4	-16.65	0.02
Stage4	-17.05	0.02
Stage4	-17.3	0.02

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Tabella Spostamento Nominal - RIGHT Stage: Stage4

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage4	15.7	1.18
Stage4	15.35	-0.53
Stage4	14.95	-2.47
Stage4	14.55	-4.35
Stage4	14.15	-6.09
Stage4	13.75	-7.64
Stage4	13.35	-8.92
Stage4	12.95	-9.88
Stage4	12.55	-10.48
Stage4	12.15	-10.69
Stage4	11.75	-10.5
Stage4	11.35	-9.9
Stage4	10.95	-8.95
Stage4	10.55	-7.67
Stage4	10.15	-6.17
Stage4	9.95	-5.36
Stage4	9.55	-3.73
Stage4	9.15	-2.21
Stage4	8.75	-1.01
Stage4	8.35	-0.3
Stage4	7.95	0
Stage4	7.55	0.06
Stage4	7.15	0.03
Stage4	6.75	-0.01
Stage4	6.35	-0.03
Stage4	5.95	-0.03
Stage4	5.55	-0.03
Stage4	5.15	-0.03
Stage4	4.75	-0.03
Stage4	4.35	-0.03
Stage4	3.95	-0.03
Stage4	3.55	-0.03
Stage4	3.15	-0.03
Stage4	2.75	-0.03
Stage4	2.35	-0.03
Stage4	1.95	-0.03
Stage4	1.55	-0.03
Stage4	1.15	-0.03
Stage4	0.75	-0.03
Stage4	0.35	-0.03
Stage4	-0.05	-0.03
Stage4	-0.45	-0.02
Stage4	-0.85	-0.02
Stage4	-1.25	-0.02
Stage4	-1.45	-0.02
Stage4	-1.85	-0.02
Stage4	-2.25	-0.02
Stage4	-2.65	-0.02
Stage4	-3.05	-0.02
Stage4	-3.45	-0.02
Stage4	-3.85	-0.02
Stage4	-4.25	-0.02
Stage4	-4.65	-0.02
Stage4	-5.05	-0.02
Stage4	-5.45	-0.02
Stage4	-5.85	-0.02
Stage4	-6.25	-0.02
Stage4	-6.65	-0.02
Stage4	-7.05	-0.02
Stage4	-7.45	-0.02

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage4	-7.85	-0.02
Stage4	-8.25	-0.02
Stage4	-8.65	-0.02
Stage4	-9.05	-0.02
Stage4	-9.45	-0.02
Stage4	-9.85	-0.02
Stage4	-10.25	-0.02
Stage4	-10.65	-0.02
Stage4	-11.05	-0.02
Stage4	-11.45	-0.02
Stage4	-11.85	-0.02
Stage4	-12.25	-0.02
Stage4	-12.65	-0.02
Stage4	-13.05	-0.02
Stage4	-13.45	-0.02
Stage4	-13.85	-0.02
Stage4	-14.25	-0.02
Stage4	-14.65	-0.02
Stage4	-15.05	-0.02
Stage4	-15.45	-0.02
Stage4	-15.85	-0.02
Stage4	-16.25	-0.02
Stage4	-16.65	-0.02
Stage4	-17.05	-0.02
Stage4	-17.3	-0.02

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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage5

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage5	15.7	-1.1	
Stage5	15.35	0.53	
Stage5	14.95	2.38	
Stage5	14.55	4.17	
Stage5	14.15	5.82	
Stage5	13.75	7.28	
Stage5	13.35	8.47	
Stage5	12.95	9.36	
Stage5	12.55	9.9	
Stage5	12.15	10.09	
Stage5	11.75	9.93	
Stage5	11.35	9.46	
Stage5	10.95	8.72	
Stage5	10.55	7.81	
Stage5	10.15	6.84	
Stage5	9.95	6.38	
Stage5	9.55	5.56	
Stage5	9.15	4.84	
Stage5	8.75	4.18	
Stage5	8.35	3.57	
Stage5	7.95	3	
Stage5	7.55	2.49	
Stage5	7.15	2.03	
Stage5	6.75	1.61	
Stage5	6.35	1.25	
Stage5	5.95	0.93	
Stage5	5.55	0.66	
Stage5	5.15	0.44	
Stage5	4.75	0.27	
Stage5	4.35	0.15	
Stage5	3.95	0.09	
Stage5	3.55	0.07	
Stage5	3.15	0.07	
Stage5	2.75	0.07	
Stage5	2.35	0.07	
Stage5	1.95	0.08	
Stage5	1.55	0.08	
Stage5	1.15	0.08	
Stage5	0.75	0.07	
Stage5	0.35	0.07	
Stage5	-0.05	0.07	
Stage5	-0.45	0.07	
Stage5	-0.85	0.07	
Stage5	-1.25	0.07	
Stage5	-1.45	0.07	
Stage5	-1.85	0.07	
Stage5	-2.25	0.07	
Stage5	-2.65	0.07	
Stage5	-3.05	0.07	
Stage5	-3.45	0.07	
Stage5	-3.85	0.07	
Stage5	-4.25	0.07	
Stage5	-4.65	0.07	
Stage5	-5.05	0.07	
Stage5	-5.45	0.07	
Stage5	-5.85	0.07	
Stage5	-6.25	0.07	
Stage5	-6.65	0.07	
Stage5	-7.05	0.07	
Stage5	-7.45	0.07	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage5	-7.85	0.07
Stage5	-8.25	0.07
Stage5	-8.65	0.07
Stage5	-9.05	0.07
Stage5	-9.45	0.07
Stage5	-9.85	0.07
Stage5	-10.25	0.07
Stage5	-10.65	0.06
Stage5	-11.05	0.06
Stage5	-11.45	0.06
Stage5	-11.85	0.06
Stage5	-12.25	0.06
Stage5	-12.65	0.06
Stage5	-13.05	0.06
Stage5	-13.45	0.06
Stage5	-13.85	0.06
Stage5	-14.25	0.06
Stage5	-14.65	0.06
Stage5	-15.05	0.06
Stage5	-15.45	0.06
Stage5	-15.85	0.06
Stage5	-16.25	0.06
Stage5	-16.65	0.06
Stage5	-17.05	0.06
Stage5	-17.3	0.06

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage5

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage5	15.7	1.1
Stage5	15.35	-0.53
Stage5	14.95	-2.38
Stage5	14.55	-4.17
Stage5	14.15	-5.82
Stage5	13.75	-7.28
Stage5	13.35	-8.47
Stage5	12.95	-9.36
Stage5	12.55	-9.9
Stage5	12.15	-10.09
Stage5	11.75	-9.93
Stage5	11.35	-9.46
Stage5	10.95	-8.72
Stage5	10.55	-7.81
Stage5	10.15	-6.84
Stage5	9.95	-6.38
Stage5	9.55	-5.56
Stage5	9.15	-4.84
Stage5	8.75	-4.18
Stage5	8.35	-3.57
Stage5	7.95	-3
Stage5	7.55	-2.49
Stage5	7.15	-2.03
Stage5	6.75	-1.61
Stage5	6.35	-1.25
Stage5	5.95	-0.93
Stage5	5.55	-0.66
Stage5	5.15	-0.44
Stage5	4.75	-0.27
Stage5	4.35	-0.15
Stage5	3.95	-0.09
Stage5	3.55	-0.07
Stage5	3.15	-0.07
Stage5	2.75	-0.07
Stage5	2.35	-0.07
Stage5	1.95	-0.08
Stage5	1.55	-0.08
Stage5	1.15	-0.08
Stage5	0.75	-0.07
Stage5	0.35	-0.07
Stage5	-0.05	-0.07
Stage5	-0.45	-0.07
Stage5	-0.85	-0.07
Stage5	-1.25	-0.07
Stage5	-1.45	-0.07
Stage5	-1.85	-0.07
Stage5	-2.25	-0.07
Stage5	-2.65	-0.07
Stage5	-3.05	-0.07
Stage5	-3.45	-0.07
Stage5	-3.85	-0.07
Stage5	-4.25	-0.07
Stage5	-4.65	-0.07
Stage5	-5.05	-0.07
Stage5	-5.45	-0.07
Stage5	-5.85	-0.07
Stage5	-6.25	-0.07
Stage5	-6.65	-0.07
Stage5	-7.05	-0.07
Stage5	-7.45	-0.07

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage5	-7.85	-0.07
Stage5	-8.25	-0.07
Stage5	-8.65	-0.07
Stage5	-9.05	-0.07
Stage5	-9.45	-0.07
Stage5	-9.85	-0.07
Stage5	-10.25	-0.07
Stage5	-10.65	-0.06
Stage5	-11.05	-0.06
Stage5	-11.45	-0.06
Stage5	-11.85	-0.06
Stage5	-12.25	-0.06
Stage5	-12.65	-0.06
Stage5	-13.05	-0.06
Stage5	-13.45	-0.06
Stage5	-13.85	-0.06
Stage5	-14.25	-0.06
Stage5	-14.65	-0.06
Stage5	-15.05	-0.06
Stage5	-15.45	-0.06
Stage5	-15.85	-0.06
Stage5	-16.25	-0.06
Stage5	-16.65	-0.06
Stage5	-17.05	-0.06
Stage5	-17.3	-0.06

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage6

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage6	15.7	-1.1	
Stage6	15.35	0.53	
Stage6	14.95	2.38	
Stage6	14.55	4.17	
Stage6	14.15	5.82	
Stage6	13.75	7.28	
Stage6	13.35	8.47	
Stage6	12.95	9.36	
Stage6	12.55	9.9	
Stage6	12.15	10.09	
Stage6	11.75	9.93	
Stage6	11.35	9.46	
Stage6	10.95	8.72	
Stage6	10.55	7.81	
Stage6	10.15	6.84	
Stage6	9.95	6.38	
Stage6	9.55	5.56	
Stage6	9.15	4.84	
Stage6	8.75	4.18	
Stage6	8.35	3.57	
Stage6	7.95	3	
Stage6	7.55	2.49	
Stage6	7.15	2.03	
Stage6	6.75	1.61	
Stage6	6.35	1.25	
Stage6	5.95	0.93	
Stage6	5.55	0.66	
Stage6	5.15	0.44	
Stage6	4.75	0.27	
Stage6	4.35	0.15	
Stage6	3.95	0.09	
Stage6	3.55	0.07	
Stage6	3.15	0.07	
Stage6	2.75	0.07	
Stage6	2.35	0.07	
Stage6	1.95	0.08	
Stage6	1.55	0.08	
Stage6	1.15	0.08	
Stage6	0.75	0.07	
Stage6	0.35	0.07	
Stage6	-0.05	0.07	
Stage6	-0.45	0.07	
Stage6	-0.85	0.07	
Stage6	-1.25	0.07	
Stage6	-1.45	0.07	
Stage6	-1.85	0.07	
Stage6	-2.25	0.07	
Stage6	-2.65	0.07	
Stage6	-3.05	0.07	
Stage6	-3.45	0.07	
Stage6	-3.85	0.07	
Stage6	-4.25	0.07	
Stage6	-4.65	0.07	
Stage6	-5.05	0.07	
Stage6	-5.45	0.07	
Stage6	-5.85	0.07	
Stage6	-6.25	0.07	
Stage6	-6.65	0.07	
Stage6	-7.05	0.07	
Stage6	-7.45	0.07	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage6	-7.85	0.07
Stage6	-8.25	0.07
Stage6	-8.65	0.07
Stage6	-9.05	0.07
Stage6	-9.45	0.07
Stage6	-9.85	0.07
Stage6	-10.25	0.07
Stage6	-10.65	0.06
Stage6	-11.05	0.06
Stage6	-11.45	0.06
Stage6	-11.85	0.06
Stage6	-12.25	0.06
Stage6	-12.65	0.06
Stage6	-13.05	0.06
Stage6	-13.45	0.06
Stage6	-13.85	0.06
Stage6	-14.25	0.06
Stage6	-14.65	0.06
Stage6	-15.05	0.06
Stage6	-15.45	0.06
Stage6	-15.85	0.06
Stage6	-16.25	0.06
Stage6	-16.65	0.06
Stage6	-17.05	0.06
Stage6	-17.3	0.06

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage6

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage6	15.7	1.1
Stage6	15.35	-0.53
Stage6	14.95	-2.38
Stage6	14.55	-4.17
Stage6	14.15	-5.82
Stage6	13.75	-7.28
Stage6	13.35	-8.47
Stage6	12.95	-9.36
Stage6	12.55	-9.9
Stage6	12.15	-10.09
Stage6	11.75	-9.93
Stage6	11.35	-9.46
Stage6	10.95	-8.72
Stage6	10.55	-7.81
Stage6	10.15	-6.84
Stage6	9.95	-6.38
Stage6	9.55	-5.56
Stage6	9.15	-4.84
Stage6	8.75	-4.18
Stage6	8.35	-3.57
Stage6	7.95	-3
Stage6	7.55	-2.49
Stage6	7.15	-2.03
Stage6	6.75	-1.61
Stage6	6.35	-1.25
Stage6	5.95	-0.93
Stage6	5.55	-0.66
Stage6	5.15	-0.44
Stage6	4.75	-0.27
Stage6	4.35	-0.15
Stage6	3.95	-0.09
Stage6	3.55	-0.07
Stage6	3.15	-0.07
Stage6	2.75	-0.07
Stage6	2.35	-0.07
Stage6	1.95	-0.08
Stage6	1.55	-0.08
Stage6	1.15	-0.08
Stage6	0.75	-0.07
Stage6	0.35	-0.07
Stage6	-0.05	-0.07
Stage6	-0.45	-0.07
Stage6	-0.85	-0.07
Stage6	-1.25	-0.07
Stage6	-1.45	-0.07
Stage6	-1.85	-0.07
Stage6	-2.25	-0.07
Stage6	-2.65	-0.07
Stage6	-3.05	-0.07
Stage6	-3.45	-0.07
Stage6	-3.85	-0.07
Stage6	-4.25	-0.07
Stage6	-4.65	-0.07
Stage6	-5.05	-0.07
Stage6	-5.45	-0.07
Stage6	-5.85	-0.07
Stage6	-6.25	-0.07
Stage6	-6.65	-0.07
Stage6	-7.05	-0.07
Stage6	-7.45	-0.07

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage6	-7.85	-0.07
Stage6	-8.25	-0.07
Stage6	-8.65	-0.07
Stage6	-9.05	-0.07
Stage6	-9.45	-0.07
Stage6	-9.85	-0.07
Stage6	-10.25	-0.07
Stage6	-10.65	-0.06
Stage6	-11.05	-0.06
Stage6	-11.45	-0.06
Stage6	-11.85	-0.06
Stage6	-12.25	-0.06
Stage6	-12.65	-0.06
Stage6	-13.05	-0.06
Stage6	-13.45	-0.06
Stage6	-13.85	-0.06
Stage6	-14.25	-0.06
Stage6	-14.65	-0.06
Stage6	-15.05	-0.06
Stage6	-15.45	-0.06
Stage6	-15.85	-0.06
Stage6	-16.25	-0.06
Stage6	-16.65	-0.06
Stage6	-17.05	-0.06
Stage6	-17.3	-0.06

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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage7

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage7	15.7	-1.1	
Stage7	15.35	0.53	
Stage7	14.95	2.38	
Stage7	14.55	4.17	
Stage7	14.15	5.82	
Stage7	13.75	7.28	
Stage7	13.35	8.47	
Stage7	12.95	9.36	
Stage7	12.55	9.9	
Stage7	12.15	10.09	
Stage7	11.75	9.93	
Stage7	11.35	9.46	
Stage7	10.95	8.72	
Stage7	10.55	7.81	
Stage7	10.15	6.84	
Stage7	9.95	6.38	
Stage7	9.55	5.56	
Stage7	9.15	4.84	
Stage7	8.75	4.18	
Stage7	8.35	3.57	
Stage7	7.95	3	
Stage7	7.55	2.49	
Stage7	7.15	2.03	
Stage7	6.75	1.61	
Stage7	6.35	1.25	
Stage7	5.95	0.94	
Stage7	5.55	0.68	
Stage7	5.15	0.49	
Stage7	4.75	0.35	
Stage7	4.35	0.27	
Stage7	3.95	0.22	
Stage7	3.55	0.21	
Stage7	3.15	0.21	
Stage7	2.75	0.23	
Stage7	2.35	0.24	
Stage7	1.95	0.27	
Stage7	1.55	0.29	
Stage7	1.15	0.32	
Stage7	0.75	0.34	
Stage7	0.35	0.35	
Stage7	-0.05	0.37	
Stage7	-0.45	0.37	
Stage7	-0.85	0.36	
Stage7	-1.25	0.35	
Stage7	-1.45	0.33	
Stage7	-1.85	0.3	
Stage7	-2.25	0.25	
Stage7	-2.65	0.22	
Stage7	-3.05	0.2	
Stage7	-3.45	0.19	
Stage7	-3.85	0.18	
Stage7	-4.25	0.18	
Stage7	-4.65	0.18	
Stage7	-5.05	0.18	
Stage7	-5.45	0.18	
Stage7	-5.85	0.18	
Stage7	-6.25	0.17	
Stage7	-6.65	0.17	
Stage7	-7.05	0.17	
Stage7	-7.45	0.17	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage7	-7.85	0.17
Stage7	-8.25	0.17
Stage7	-8.65	0.17
Stage7	-9.05	0.17
Stage7	-9.45	0.17
Stage7	-9.85	0.16
Stage7	-10.25	0.16
Stage7	-10.65	0.16
Stage7	-11.05	0.16
Stage7	-11.45	0.16
Stage7	-11.85	0.16
Stage7	-12.25	0.16
Stage7	-12.65	0.16
Stage7	-13.05	0.16
Stage7	-13.45	0.16
Stage7	-13.85	0.16
Stage7	-14.25	0.16
Stage7	-14.65	0.16
Stage7	-15.05	0.16
Stage7	-15.45	0.16
Stage7	-15.85	0.15
Stage7	-16.25	0.15
Stage7	-16.65	0.15
Stage7	-17.05	0.15
Stage7	-17.3	0.15

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage7

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage7	15.7	1.1
Stage7	15.35	-0.53
Stage7	14.95	-2.38
Stage7	14.55	-4.17
Stage7	14.15	-5.82
Stage7	13.75	-7.28
Stage7	13.35	-8.47
Stage7	12.95	-9.36
Stage7	12.55	-9.9
Stage7	12.15	-10.09
Stage7	11.75	-9.93
Stage7	11.35	-9.46
Stage7	10.95	-8.72
Stage7	10.55	-7.81
Stage7	10.15	-6.84
Stage7	9.95	-6.38
Stage7	9.55	-5.56
Stage7	9.15	-4.84
Stage7	8.75	-4.18
Stage7	8.35	-3.57
Stage7	7.95	-3
Stage7	7.55	-2.49
Stage7	7.15	-2.03
Stage7	6.75	-1.61
Stage7	6.35	-1.25
Stage7	5.95	-0.94
Stage7	5.55	-0.68
Stage7	5.15	-0.49
Stage7	4.75	-0.35
Stage7	4.35	-0.27
Stage7	3.95	-0.22
Stage7	3.55	-0.21
Stage7	3.15	-0.21
Stage7	2.75	-0.23
Stage7	2.35	-0.24
Stage7	1.95	-0.27
Stage7	1.55	-0.29
Stage7	1.15	-0.32
Stage7	0.75	-0.34
Stage7	0.35	-0.35
Stage7	-0.05	-0.37
Stage7	-0.45	-0.37
Stage7	-0.85	-0.36
Stage7	-1.25	-0.35
Stage7	-1.45	-0.33
Stage7	-1.85	-0.3
Stage7	-2.25	-0.25
Stage7	-2.65	-0.22
Stage7	-3.05	-0.2
Stage7	-3.45	-0.19
Stage7	-3.85	-0.18
Stage7	-4.25	-0.18
Stage7	-4.65	-0.18
Stage7	-5.05	-0.18
Stage7	-5.45	-0.18
Stage7	-5.85	-0.18
Stage7	-6.25	-0.17
Stage7	-6.65	-0.17
Stage7	-7.05	-0.17
Stage7	-7.45	-0.17

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage7	-7.85	-0.17
Stage7	-8.25	-0.17
Stage7	-8.65	-0.17
Stage7	-9.05	-0.17
Stage7	-9.45	-0.17
Stage7	-9.85	-0.16
Stage7	-10.25	-0.16
Stage7	-10.65	-0.16
Stage7	-11.05	-0.16
Stage7	-11.45	-0.16
Stage7	-11.85	-0.16
Stage7	-12.25	-0.16
Stage7	-12.65	-0.16
Stage7	-13.05	-0.16
Stage7	-13.45	-0.16
Stage7	-13.85	-0.16
Stage7	-14.25	-0.16
Stage7	-14.65	-0.16
Stage7	-15.05	-0.16
Stage7	-15.45	-0.16
Stage7	-15.85	-0.15
Stage7	-16.25	-0.15
Stage7	-16.65	-0.15
Stage7	-17.05	-0.15
Stage7	-17.3	-0.15

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage8

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage8	15.7	-1.1	
Stage8	15.35	0.53	
Stage8	14.95	2.38	
Stage8	14.55	4.17	
Stage8	14.15	5.82	
Stage8	13.75	7.28	
Stage8	13.35	8.47	
Stage8	12.95	9.36	
Stage8	12.55	9.9	
Stage8	12.15	10.09	
Stage8	11.75	9.93	
Stage8	11.35	9.46	
Stage8	10.95	8.72	
Stage8	10.55	7.81	
Stage8	10.15	6.84	
Stage8	9.95	6.38	
Stage8	9.55	5.56	
Stage8	9.15	4.84	
Stage8	8.75	4.18	
Stage8	8.35	3.57	
Stage8	7.95	3	
Stage8	7.55	2.49	
Stage8	7.15	2.03	
Stage8	6.75	1.61	
Stage8	6.35	1.25	
Stage8	5.95	0.94	
Stage8	5.55	0.68	
Stage8	5.15	0.49	
Stage8	4.75	0.35	
Stage8	4.35	0.27	
Stage8	3.95	0.22	
Stage8	3.55	0.21	
Stage8	3.15	0.21	
Stage8	2.75	0.23	
Stage8	2.35	0.24	
Stage8	1.95	0.27	
Stage8	1.55	0.29	
Stage8	1.15	0.32	
Stage8	0.75	0.34	
Stage8	0.35	0.35	
Stage8	-0.05	0.37	
Stage8	-0.45	0.37	
Stage8	-0.85	0.36	
Stage8	-1.25	0.35	
Stage8	-1.45	0.33	
Stage8	-1.85	0.3	
Stage8	-2.25	0.25	
Stage8	-2.65	0.22	
Stage8	-3.05	0.2	
Stage8	-3.45	0.19	
Stage8	-3.85	0.18	
Stage8	-4.25	0.18	
Stage8	-4.65	0.18	
Stage8	-5.05	0.18	
Stage8	-5.45	0.18	
Stage8	-5.85	0.18	
Stage8	-6.25	0.17	
Stage8	-6.65	0.17	
Stage8	-7.05	0.17	
Stage8	-7.45	0.17	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage8	-7.85	0.17
Stage8	-8.25	0.17
Stage8	-8.65	0.17
Stage8	-9.05	0.17
Stage8	-9.45	0.17
Stage8	-9.85	0.16
Stage8	-10.25	0.16
Stage8	-10.65	0.16
Stage8	-11.05	0.16
Stage8	-11.45	0.16
Stage8	-11.85	0.16
Stage8	-12.25	0.16
Stage8	-12.65	0.16
Stage8	-13.05	0.16
Stage8	-13.45	0.16
Stage8	-13.85	0.16
Stage8	-14.25	0.16
Stage8	-14.65	0.16
Stage8	-15.05	0.16
Stage8	-15.45	0.16
Stage8	-15.85	0.15
Stage8	-16.25	0.15
Stage8	-16.65	0.15
Stage8	-17.05	0.15
Stage8	-17.3	0.15

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage8

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage8	15.7	1.1
Stage8	15.35	-0.53
Stage8	14.95	-2.38
Stage8	14.55	-4.17
Stage8	14.15	-5.82
Stage8	13.75	-7.28
Stage8	13.35	-8.47
Stage8	12.95	-9.36
Stage8	12.55	-9.9
Stage8	12.15	-10.09
Stage8	11.75	-9.93
Stage8	11.35	-9.46
Stage8	10.95	-8.72
Stage8	10.55	-7.81
Stage8	10.15	-6.84
Stage8	9.95	-6.38
Stage8	9.55	-5.56
Stage8	9.15	-4.84
Stage8	8.75	-4.18
Stage8	8.35	-3.57
Stage8	7.95	-3
Stage8	7.55	-2.49
Stage8	7.15	-2.03
Stage8	6.75	-1.61
Stage8	6.35	-1.25
Stage8	5.95	-0.94
Stage8	5.55	-0.68
Stage8	5.15	-0.49
Stage8	4.75	-0.35
Stage8	4.35	-0.27
Stage8	3.95	-0.22
Stage8	3.55	-0.21
Stage8	3.15	-0.21
Stage8	2.75	-0.23
Stage8	2.35	-0.24
Stage8	1.95	-0.27
Stage8	1.55	-0.29
Stage8	1.15	-0.32
Stage8	0.75	-0.34
Stage8	0.35	-0.35
Stage8	-0.05	-0.37
Stage8	-0.45	-0.37
Stage8	-0.85	-0.36
Stage8	-1.25	-0.35
Stage8	-1.45	-0.33
Stage8	-1.85	-0.3
Stage8	-2.25	-0.25
Stage8	-2.65	-0.22
Stage8	-3.05	-0.2
Stage8	-3.45	-0.19
Stage8	-3.85	-0.18
Stage8	-4.25	-0.18
Stage8	-4.65	-0.18
Stage8	-5.05	-0.18
Stage8	-5.45	-0.18
Stage8	-5.85	-0.18
Stage8	-6.25	-0.17
Stage8	-6.65	-0.17
Stage8	-7.05	-0.17
Stage8	-7.45	-0.17

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage8	-7.85	-0.17
Stage8	-8.25	-0.17
Stage8	-8.65	-0.17
Stage8	-9.05	-0.17
Stage8	-9.45	-0.17
Stage8	-9.85	-0.16
Stage8	-10.25	-0.16
Stage8	-10.65	-0.16
Stage8	-11.05	-0.16
Stage8	-11.45	-0.16
Stage8	-11.85	-0.16
Stage8	-12.25	-0.16
Stage8	-12.65	-0.16
Stage8	-13.05	-0.16
Stage8	-13.45	-0.16
Stage8	-13.85	-0.16
Stage8	-14.25	-0.16
Stage8	-14.65	-0.16
Stage8	-15.05	-0.16
Stage8	-15.45	-0.16
Stage8	-15.85	-0.15
Stage8	-16.25	-0.15
Stage8	-16.65	-0.15
Stage8	-17.05	-0.15
Stage8	-17.3	-0.15

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - LEFT Stage: Stage9

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage9	15.7	-1.1	
Stage9	15.35	0.53	
Stage9	14.95	2.38	
Stage9	14.55	4.17	
Stage9	14.15	5.82	
Stage9	13.75	7.28	
Stage9	13.35	8.47	
Stage9	12.95	9.36	
Stage9	12.55	9.9	
Stage9	12.15	10.09	
Stage9	11.75	9.93	
Stage9	11.35	9.46	
Stage9	10.95	8.72	
Stage9	10.55	7.81	
Stage9	10.15	6.84	
Stage9	9.95	6.38	
Stage9	9.55	5.56	
Stage9	9.15	4.84	
Stage9	8.75	4.18	
Stage9	8.35	3.57	
Stage9	7.95	3	
Stage9	7.55	2.49	
Stage9	7.15	2.03	
Stage9	6.75	1.61	
Stage9	6.35	1.25	
Stage9	5.95	0.94	
Stage9	5.55	0.68	
Stage9	5.15	0.49	
Stage9	4.75	0.35	
Stage9	4.35	0.27	
Stage9	3.95	0.22	
Stage9	3.55	0.21	
Stage9	3.15	0.21	
Stage9	2.75	0.23	
Stage9	2.35	0.25	
Stage9	1.95	0.27	
Stage9	1.55	0.29	
Stage9	1.15	0.31	
Stage9	0.75	0.34	
Stage9	0.35	0.35	
Stage9	-0.05	0.36	
Stage9	-0.45	0.37	
Stage9	-0.85	0.37	
Stage9	-1.25	0.37	
Stage9	-1.45	0.37	
Stage9	-1.85	0.37	
Stage9	-2.25	0.36	
Stage9	-2.65	0.35	
Stage9	-3.05	0.32	
Stage9	-3.45	0.28	
Stage9	-3.85	0.25	
Stage9	-4.25	0.22	
Stage9	-4.65	0.21	
Stage9	-5.05	0.21	
Stage9	-5.45	0.2	
Stage9	-5.85	0.2	
Stage9	-6.25	0.2	
Stage9	-6.65	0.2	
Stage9	-7.05	0.2	
Stage9	-7.45	0.2	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage9	-7.85	0.19
Stage9	-8.25	0.19
Stage9	-8.65	0.19
Stage9	-9.05	0.19
Stage9	-9.45	0.19
Stage9	-9.85	0.19
Stage9	-10.25	0.19
Stage9	-10.65	0.19
Stage9	-11.05	0.18
Stage9	-11.45	0.18
Stage9	-11.85	0.18
Stage9	-12.25	0.18
Stage9	-12.65	0.18
Stage9	-13.05	0.18
Stage9	-13.45	0.18
Stage9	-13.85	0.18
Stage9	-14.25	0.18
Stage9	-14.65	0.18
Stage9	-15.05	0.18
Stage9	-15.45	0.18
Stage9	-15.85	0.18
Stage9	-16.25	0.17
Stage9	-16.65	0.17
Stage9	-17.05	0.17
Stage9	-17.3	0.17

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage9

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage9	15.7	1.1
Stage9	15.35	-0.53
Stage9	14.95	-2.38
Stage9	14.55	-4.17
Stage9	14.15	-5.82
Stage9	13.75	-7.28
Stage9	13.35	-8.47
Stage9	12.95	-9.36
Stage9	12.55	-9.9
Stage9	12.15	-10.09
Stage9	11.75	-9.93
Stage9	11.35	-9.46
Stage9	10.95	-8.72
Stage9	10.55	-7.81
Stage9	10.15	-6.84
Stage9	9.95	-6.38
Stage9	9.55	-5.56
Stage9	9.15	-4.84
Stage9	8.75	-4.18
Stage9	8.35	-3.57
Stage9	7.95	-3
Stage9	7.55	-2.49
Stage9	7.15	-2.03
Stage9	6.75	-1.61
Stage9	6.35	-1.25
Stage9	5.95	-0.94
Stage9	5.55	-0.68
Stage9	5.15	-0.49
Stage9	4.75	-0.35
Stage9	4.35	-0.27
Stage9	3.95	-0.22
Stage9	3.55	-0.21
Stage9	3.15	-0.21
Stage9	2.75	-0.23
Stage9	2.35	-0.25
Stage9	1.95	-0.27
Stage9	1.55	-0.29
Stage9	1.15	-0.31
Stage9	0.75	-0.34
Stage9	0.35	-0.35
Stage9	-0.05	-0.36
Stage9	-0.45	-0.37
Stage9	-0.85	-0.37
Stage9	-1.25	-0.37
Stage9	-1.45	-0.37
Stage9	-1.85	-0.37
Stage9	-2.25	-0.36
Stage9	-2.65	-0.35
Stage9	-3.05	-0.32
Stage9	-3.45	-0.28
Stage9	-3.85	-0.25
Stage9	-4.25	-0.22
Stage9	-4.65	-0.21
Stage9	-5.05	-0.21
Stage9	-5.45	-0.2
Stage9	-5.85	-0.2
Stage9	-6.25	-0.2
Stage9	-6.65	-0.2
Stage9	-7.05	-0.2
Stage9	-7.45	-0.2

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage9	-7.85	-0.19
Stage9	-8.25	-0.19
Stage9	-8.65	-0.19
Stage9	-9.05	-0.19
Stage9	-9.45	-0.19
Stage9	-9.85	-0.19
Stage9	-10.25	-0.19
Stage9	-10.65	-0.19
Stage9	-11.05	-0.18
Stage9	-11.45	-0.18
Stage9	-11.85	-0.18
Stage9	-12.25	-0.18
Stage9	-12.65	-0.18
Stage9	-13.05	-0.18
Stage9	-13.45	-0.18
Stage9	-13.85	-0.18
Stage9	-14.25	-0.18
Stage9	-14.65	-0.18
Stage9	-15.05	-0.18
Stage9	-15.45	-0.18
Stage9	-15.85	-0.18
Stage9	-16.25	-0.17
Stage9	-16.65	-0.17
Stage9	-17.05	-0.17
Stage9	-17.3	-0.17

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - LEFT Stage: Stage10

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage10	15.7	-1.1	
Stage10	15.35	0.53	
Stage10	14.95	2.38	
Stage10	14.55	4.17	
Stage10	14.15	5.82	
Stage10	13.75	7.28	
Stage10	13.35	8.47	
Stage10	12.95	9.36	
Stage10	12.55	9.9	
Stage10	12.15	10.09	
Stage10	11.75	9.93	
Stage10	11.35	9.46	
Stage10	10.95	8.72	
Stage10	10.55	7.81	
Stage10	10.15	6.84	
Stage10	9.95	6.38	
Stage10	9.55	5.56	
Stage10	9.15	4.84	
Stage10	8.75	4.18	
Stage10	8.35	3.57	
Stage10	7.95	3	
Stage10	7.55	2.49	
Stage10	7.15	2.03	
Stage10	6.75	1.61	
Stage10	6.35	1.25	
Stage10	5.95	0.94	
Stage10	5.55	0.68	
Stage10	5.15	0.49	
Stage10	4.75	0.35	
Stage10	4.35	0.27	
Stage10	3.95	0.22	
Stage10	3.55	0.21	
Stage10	3.15	0.21	
Stage10	2.75	0.23	
Stage10	2.35	0.25	
Stage10	1.95	0.27	
Stage10	1.55	0.29	
Stage10	1.15	0.31	
Stage10	0.75	0.33	
Stage10	0.35	0.35	
Stage10	-0.05	0.36	
Stage10	-0.45	0.36	
Stage10	-0.85	0.36	
Stage10	-1.25	0.36	
Stage10	-1.45	0.36	
Stage10	-1.85	0.37	
Stage10	-2.25	0.39	
Stage10	-2.65	0.41	
Stage10	-3.05	0.44	
Stage10	-3.45	0.46	
Stage10	-3.85	0.49	
Stage10	-4.25	0.52	
Stage10	-4.65	0.55	
Stage10	-5.05	0.57	
Stage10	-5.45	0.59	
Stage10	-5.85	0.6	
Stage10	-6.25	0.6	
Stage10	-6.65	0.59	
Stage10	-7.05	0.57	
Stage10	-7.45	0.54	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage10	-7.85	0.49
Stage10	-8.25	0.43
Stage10	-8.65	0.36
Stage10	-9.05	0.31
Stage10	-9.45	0.28
Stage10	-9.85	0.27
Stage10	-10.25	0.27
Stage10	-10.65	0.27
Stage10	-11.05	0.26
Stage10	-11.45	0.26
Stage10	-11.85	0.26
Stage10	-12.25	0.26
Stage10	-12.65	0.26
Stage10	-13.05	0.25
Stage10	-13.45	0.25
Stage10	-13.85	0.25
Stage10	-14.25	0.25
Stage10	-14.65	0.25
Stage10	-15.05	0.25
Stage10	-15.45	0.24
Stage10	-15.85	0.24
Stage10	-16.25	0.24
Stage10	-16.65	0.24
Stage10	-17.05	0.24
Stage10	-17.3	0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage10

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage10	15.7	1.1
Stage10	15.35	-0.53
Stage10	14.95	-2.38
Stage10	14.55	-4.17
Stage10	14.15	-5.82
Stage10	13.75	-7.28
Stage10	13.35	-8.47
Stage10	12.95	-9.36
Stage10	12.55	-9.9
Stage10	12.15	-10.09
Stage10	11.75	-9.93
Stage10	11.35	-9.46
Stage10	10.95	-8.72
Stage10	10.55	-7.81
Stage10	10.15	-6.84
Stage10	9.95	-6.38
Stage10	9.55	-5.56
Stage10	9.15	-4.84
Stage10	8.75	-4.18
Stage10	8.35	-3.57
Stage10	7.95	-3
Stage10	7.55	-2.49
Stage10	7.15	-2.03
Stage10	6.75	-1.61
Stage10	6.35	-1.25
Stage10	5.95	-0.94
Stage10	5.55	-0.68
Stage10	5.15	-0.49
Stage10	4.75	-0.35
Stage10	4.35	-0.27
Stage10	3.95	-0.22
Stage10	3.55	-0.21
Stage10	3.15	-0.21
Stage10	2.75	-0.23
Stage10	2.35	-0.25
Stage10	1.95	-0.27
Stage10	1.55	-0.29
Stage10	1.15	-0.31
Stage10	0.75	-0.33
Stage10	0.35	-0.35
Stage10	-0.05	-0.36
Stage10	-0.45	-0.36
Stage10	-0.85	-0.36
Stage10	-1.25	-0.36
Stage10	-1.45	-0.36
Stage10	-1.85	-0.37
Stage10	-2.25	-0.39
Stage10	-2.65	-0.41
Stage10	-3.05	-0.44
Stage10	-3.45	-0.46
Stage10	-3.85	-0.49
Stage10	-4.25	-0.52
Stage10	-4.65	-0.55
Stage10	-5.05	-0.57
Stage10	-5.45	-0.59
Stage10	-5.85	-0.6
Stage10	-6.25	-0.6
Stage10	-6.65	-0.59
Stage10	-7.05	-0.57
Stage10	-7.45	-0.54

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage10	-7.85	-0.49
Stage10	-8.25	-0.43
Stage10	-8.65	-0.36
Stage10	-9.05	-0.31
Stage10	-9.45	-0.28
Stage10	-9.85	-0.27
Stage10	-10.25	-0.27
Stage10	-10.65	-0.27
Stage10	-11.05	-0.26
Stage10	-11.45	-0.26
Stage10	-11.85	-0.26
Stage10	-12.25	-0.26
Stage10	-12.65	-0.26
Stage10	-13.05	-0.25
Stage10	-13.45	-0.25
Stage10	-13.85	-0.25
Stage10	-14.25	-0.25
Stage10	-14.65	-0.25
Stage10	-15.05	-0.25
Stage10	-15.45	-0.24
Stage10	-15.85	-0.24
Stage10	-16.25	-0.24
Stage10	-16.65	-0.24
Stage10	-17.05	-0.24
Stage10	-17.3	-0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Scavo NORM.

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT		
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	15.7	-1.1
Scavo NORM.	15.35	0.53
Scavo NORM.	14.95	2.38
Scavo NORM.	14.55	4.17
Scavo NORM.	14.15	5.82
Scavo NORM.	13.75	7.28
Scavo NORM.	13.35	8.47
Scavo NORM.	12.95	9.36
Scavo NORM.	12.55	9.9
Scavo NORM.	12.15	10.09
Scavo NORM.	11.75	9.93
Scavo NORM.	11.35	9.46
Scavo NORM.	10.95	8.72
Scavo NORM.	10.55	7.81
Scavo NORM.	10.15	6.84
Scavo NORM.	9.95	6.38
Scavo NORM.	9.55	5.56
Scavo NORM.	9.15	4.84
Scavo NORM.	8.75	4.18
Scavo NORM.	8.35	3.57
Scavo NORM.	7.95	3
Scavo NORM.	7.55	2.49
Scavo NORM.	7.15	2.03
Scavo NORM.	6.75	1.61
Scavo NORM.	6.35	1.25
Scavo NORM.	5.95	0.94
Scavo NORM.	5.55	0.68
Scavo NORM.	5.15	0.49
Scavo NORM.	4.75	0.35
Scavo NORM.	4.35	0.27
Scavo NORM.	3.95	0.22
Scavo NORM.	3.55	0.21
Scavo NORM.	3.15	0.21
Scavo NORM.	2.75	0.23
Scavo NORM.	2.35	0.25
Scavo NORM.	1.95	0.27
Scavo NORM.	1.55	0.29
Scavo NORM.	1.15	0.31
Scavo NORM.	0.75	0.33
Scavo NORM.	0.35	0.35
Scavo NORM.	-0.05	0.36
Scavo NORM.	-0.45	0.36
Scavo NORM.	-0.85	0.36
Scavo NORM.	-1.25	0.36
Scavo NORM.	-1.45	0.36
Scavo NORM.	-1.85	0.37
Scavo NORM.	-2.25	0.39
Scavo NORM.	-2.65	0.41
Scavo NORM.	-3.05	0.44
Scavo NORM.	-3.45	0.46
Scavo NORM.	-3.85	0.49
Scavo NORM.	-4.25	0.52
Scavo NORM.	-4.65	0.55
Scavo NORM.	-5.05	0.57
Scavo NORM.	-5.45	0.59
Scavo NORM.	-5.85	0.61
Scavo NORM.	-6.25	0.61
Scavo NORM.	-6.65	0.61
Scavo NORM.	-7.05	0.6
Scavo NORM.	-7.45	0.58

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Scavo NORM.	-7.85	0.54
Scavo NORM.	-8.25	0.5
Scavo NORM.	-8.65	0.43
Scavo NORM.	-9.05	0.37
Scavo NORM.	-9.45	0.32
Scavo NORM.	-9.85	0.29
Scavo NORM.	-10.25	0.28
Scavo NORM.	-10.65	0.27
Scavo NORM.	-11.05	0.27
Scavo NORM.	-11.45	0.27
Scavo NORM.	-11.85	0.27
Scavo NORM.	-12.25	0.27
Scavo NORM.	-12.65	0.26
Scavo NORM.	-13.05	0.26
Scavo NORM.	-13.45	0.26
Scavo NORM.	-13.85	0.26
Scavo NORM.	-14.25	0.26
Scavo NORM.	-14.65	0.25
Scavo NORM.	-15.05	0.25
Scavo NORM.	-15.45	0.25
Scavo NORM.	-15.85	0.25
Scavo NORM.	-16.25	0.25
Scavo NORM.	-16.65	0.25
Scavo NORM.	-17.05	0.25
Scavo NORM.	-17.3	0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Scavo NORM.

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	15.7	1.1
Scavo NORM.	15.35	-0.53
Scavo NORM.	14.95	-2.38
Scavo NORM.	14.55	-4.17
Scavo NORM.	14.15	-5.82
Scavo NORM.	13.75	-7.28
Scavo NORM.	13.35	-8.47
Scavo NORM.	12.95	-9.36
Scavo NORM.	12.55	-9.9
Scavo NORM.	12.15	-10.09
Scavo NORM.	11.75	-9.93
Scavo NORM.	11.35	-9.46
Scavo NORM.	10.95	-8.72
Scavo NORM.	10.55	-7.81
Scavo NORM.	10.15	-6.84
Scavo NORM.	9.95	-6.38
Scavo NORM.	9.55	-5.56
Scavo NORM.	9.15	-4.84
Scavo NORM.	8.75	-4.18
Scavo NORM.	8.35	-3.57
Scavo NORM.	7.95	-3
Scavo NORM.	7.55	-2.49
Scavo NORM.	7.15	-2.03
Scavo NORM.	6.75	-1.61
Scavo NORM.	6.35	-1.25
Scavo NORM.	5.95	-0.94
Scavo NORM.	5.55	-0.68
Scavo NORM.	5.15	-0.49
Scavo NORM.	4.75	-0.35
Scavo NORM.	4.35	-0.27
Scavo NORM.	3.95	-0.22
Scavo NORM.	3.55	-0.21
Scavo NORM.	3.15	-0.21
Scavo NORM.	2.75	-0.23
Scavo NORM.	2.35	-0.25
Scavo NORM.	1.95	-0.27
Scavo NORM.	1.55	-0.29
Scavo NORM.	1.15	-0.31
Scavo NORM.	0.75	-0.33
Scavo NORM.	0.35	-0.35
Scavo NORM.	-0.05	-0.36
Scavo NORM.	-0.45	-0.36
Scavo NORM.	-0.85	-0.36
Scavo NORM.	-1.25	-0.36
Scavo NORM.	-1.45	-0.36
Scavo NORM.	-1.85	-0.37
Scavo NORM.	-2.25	-0.39
Scavo NORM.	-2.65	-0.41
Scavo NORM.	-3.05	-0.44
Scavo NORM.	-3.45	-0.46
Scavo NORM.	-3.85	-0.49
Scavo NORM.	-4.25	-0.52
Scavo NORM.	-4.65	-0.55
Scavo NORM.	-5.05	-0.57
Scavo NORM.	-5.45	-0.59
Scavo NORM.	-5.85	-0.61
Scavo NORM.	-6.25	-0.61
Scavo NORM.	-6.65	-0.61
Scavo NORM.	-7.05	-0.6
Scavo NORM.	-7.45	-0.58

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

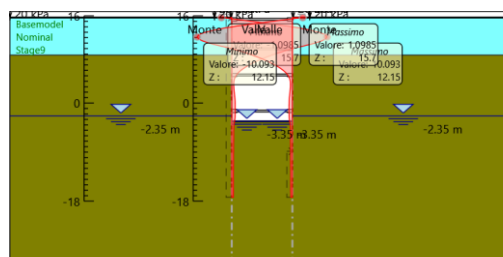
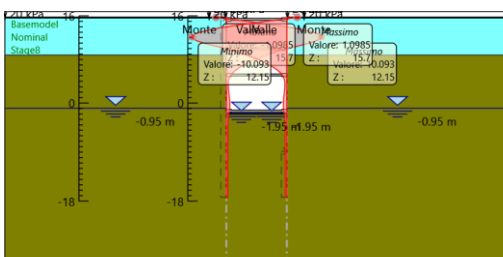
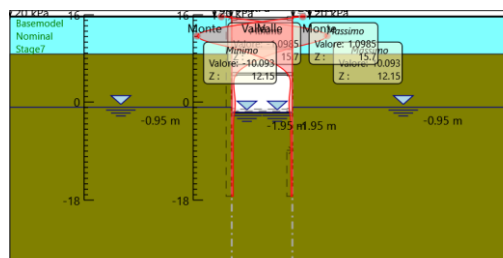
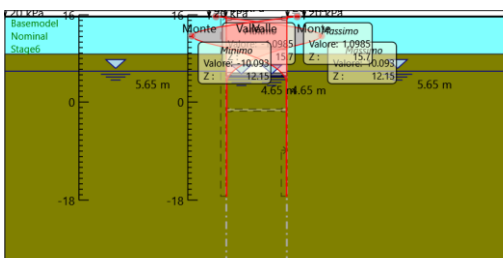
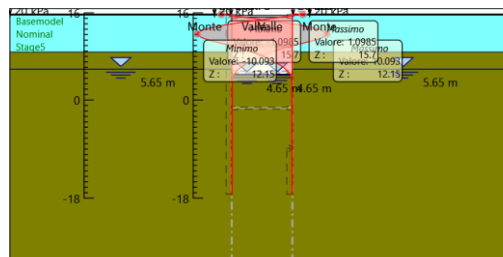
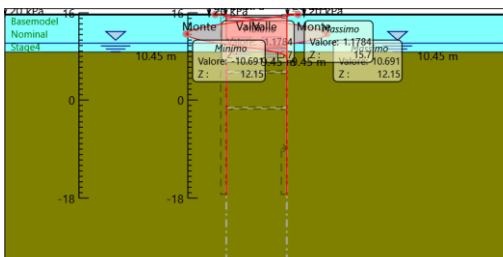
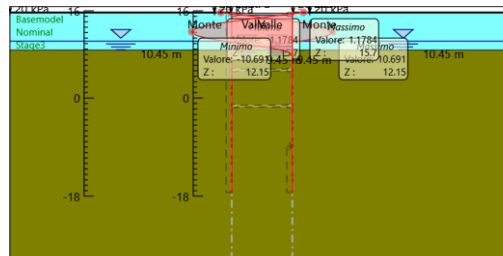
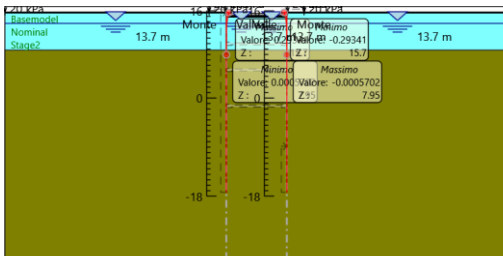
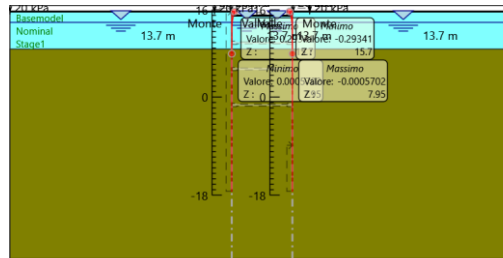
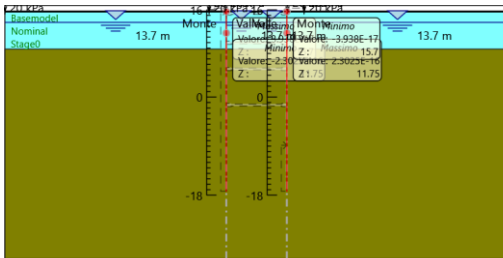
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	-7.85	-0.54
Scavo NORM.	-8.25	-0.5
Scavo NORM.	-8.65	-0.43
Scavo NORM.	-9.05	-0.37
Scavo NORM.	-9.45	-0.32
Scavo NORM.	-9.85	-0.29
Scavo NORM.	-10.25	-0.28
Scavo NORM.	-10.65	-0.27
Scavo NORM.	-11.05	-0.27
Scavo NORM.	-11.45	-0.27
Scavo NORM.	-11.85	-0.27
Scavo NORM.	-12.25	-0.27
Scavo NORM.	-12.65	-0.26
Scavo NORM.	-13.05	-0.26
Scavo NORM.	-13.45	-0.26
Scavo NORM.	-13.85	-0.26
Scavo NORM.	-14.25	-0.26
Scavo NORM.	-14.65	-0.25
Scavo NORM.	-15.05	-0.25
Scavo NORM.	-15.45	-0.25
Scavo NORM.	-15.85	-0.25
Scavo NORM.	-16.25	-0.25
Scavo NORM.	-16.65	-0.25
Scavo NORM.	-17.05	-0.25
Scavo NORM.	-17.3	-0.24

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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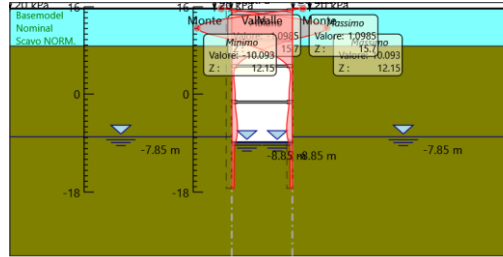
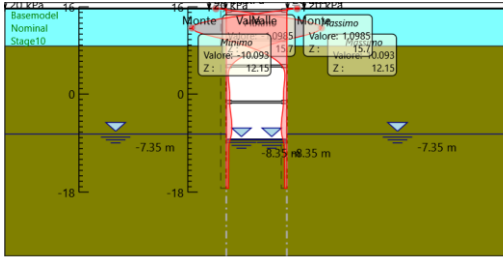
Grafici Spostamento in tabella



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Risultati Paratia

Tabella Risultati Paratia Nominal - Stage: Stage0

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	15.7	0	0
Stage0	15.35	0	0
Stage0	14.95	0	0
Stage0	14.55	0	0
Stage0	14.15	0	0
Stage0	13.75	0	0
Stage0	13.35	0	0
Stage0	12.95	0	0
Stage0	12.55	0	0
Stage0	12.15	0	0
Stage0	11.75	0	0
Stage0	11.35	0	0
Stage0	10.95	0	0
Stage0	10.55	0	0
Stage0	10.15	0	0
Stage0	9.95	0	0
Stage0	9.55	0	0
Stage0	9.15	0	0
Stage0	8.75	0	0
Stage0	8.35	0	0
Stage0	7.95	0	0
Stage0	7.55	0	0
Stage0	7.15	0	0
Stage0	6.75	0	0
Stage0	6.35	0	0
Stage0	5.95	0	0
Stage0	5.55	0	0
Stage0	5.15	0	0
Stage0	4.75	0	0
Stage0	4.35	0	0
Stage0	3.95	0	0
Stage0	3.55	0	0
Stage0	3.15	0	0
Stage0	2.75	0	0
Stage0	2.35	0	0
Stage0	1.95	0	0
Stage0	1.55	0	0
Stage0	1.15	0	0
Stage0	0.75	0	0
Stage0	0.35	0	0
Stage0	-0.05	0	0
Stage0	-0.45	0	0
Stage0	-0.85	0	0
Stage0	-1.25	0	0
Stage0	-1.45	0	0
Stage0	-1.85	0	0
Stage0	-2.25	0	0
Stage0	-2.65	0	0
Stage0	-3.05	0	0
Stage0	-3.45	0	0
Stage0	-3.85	0	0
Stage0	-4.25	0	0
Stage0	-4.65	0	0
Stage0	-5.05	0	0
Stage0	-5.45	0	0
Stage0	-5.85	0	0
Stage0	-6.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	-6.65	0	0
Stage0	-7.05	0	0
Stage0	-7.45	0	0
Stage0	-7.85	0	0
Stage0	-8.25	0	0
Stage0	-8.65	0	0
Stage0	-9.05	0	0
Stage0	-9.45	0	0
Stage0	-9.85	0	0
Stage0	-10.25	0	0
Stage0	-10.65	0	0
Stage0	-11.05	0	0
Stage0	-11.45	0	0
Stage0	-11.85	0	0
Stage0	-12.25	0	0
Stage0	-12.65	0	0
Stage0	-13.05	0	0
Stage0	-13.45	0	0
Stage0	-13.85	0	0
Stage0	-14.25	0	0
Stage0	-14.65	0	0
Stage0	-15.05	0	0
Stage0	-15.45	0	0
Stage0	-15.85	0	0
Stage0	-16.25	0	0
Stage0	-16.65	0	0
Stage0	-17.05	0	0
Stage0	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage0

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	15.7	0	0
Stage0	15.35	0	0
Stage0	14.95	0	0
Stage0	14.55	0	0
Stage0	14.15	0	0
Stage0	13.75	0	0
Stage0	13.35	0	0
Stage0	12.95	0	0
Stage0	12.55	0	0
Stage0	12.15	0	0
Stage0	11.75	0	0
Stage0	11.35	0	0
Stage0	10.95	0	0
Stage0	10.55	0	0
Stage0	10.15	0	0
Stage0	9.95	0	0
Stage0	9.55	0	0
Stage0	9.15	0	0
Stage0	8.75	0	0
Stage0	8.35	0	0
Stage0	7.95	0	0
Stage0	7.55	0	0
Stage0	7.15	0	0
Stage0	6.75	0	0
Stage0	6.35	0	0
Stage0	5.95	0	0
Stage0	5.55	0	0
Stage0	5.15	0	0
Stage0	4.75	0	0
Stage0	4.35	0	0
Stage0	3.95	0	0
Stage0	3.55	0	0
Stage0	3.15	0	0
Stage0	2.75	0	0
Stage0	2.35	0	0
Stage0	1.95	0	0
Stage0	1.55	0	0
Stage0	1.15	0	0
Stage0	0.75	0	0
Stage0	0.35	0	0
Stage0	-0.05	0	0
Stage0	-0.45	0	0
Stage0	-0.85	0	0
Stage0	-1.25	0	0
Stage0	-1.45	0	0
Stage0	-1.85	0	0
Stage0	-2.25	0	0
Stage0	-2.65	0	0
Stage0	-3.05	0	0
Stage0	-3.45	0	0
Stage0	-3.85	0	0
Stage0	-4.25	0	0
Stage0	-4.65	0	0
Stage0	-5.05	0	0
Stage0	-5.45	0	0
Stage0	-5.85	0	0
Stage0	-6.25	0	0
Stage0	-6.65	0	0
Stage0	-7.05	0	0
Stage0	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	-7.85	0	0
Stage0	-8.25	0	0
Stage0	-8.65	0	0
Stage0	-9.05	0	0
Stage0	-9.45	0	0
Stage0	-9.85	0	0
Stage0	-10.25	0	0
Stage0	-10.65	0	0
Stage0	-11.05	0	0
Stage0	-11.45	0	0
Stage0	-11.85	0	0
Stage0	-12.25	0	0
Stage0	-12.65	0	0
Stage0	-13.05	0	0
Stage0	-13.45	0	0
Stage0	-13.85	0	0
Stage0	-14.25	0	0
Stage0	-14.65	0	0
Stage0	-15.05	0	0
Stage0	-15.45	0	0
Stage0	-15.85	0	0
Stage0	-16.25	0	0
Stage0	-16.65	0	0
Stage0	-17.05	0	0
Stage0	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	15.7	0	0
Stage1	15.35	0	0
Stage1	15.35	0	0
Stage1	14.95	-1.33	-3.33
Stage1	14.55	-2.33	-2.49
Stage1	14.15	-2.51	-0.45
Stage1	13.75	-2.2	0.76
Stage1	13.35	-1.68	1.3
Stage1	12.95	-1.13	1.37
Stage1	12.55	-0.65	1.2
Stage1	12.15	-0.28	0.94
Stage1	11.75	0	0.69
Stage1	11.35	0.19	0.48
Stage1	10.95	0.31	0.32
Stage1	10.55	0.38	0.17
Stage1	10.15	0.39	0
Stage1	9.95	0.35	-0.18
Stage1	9.55	0.19	-0.4
Stage1	9.15	-0.15	-0.85
Stage1	8.75	-0.74	-1.47
Stage1	8.35	-0.4	0.86
Stage1	7.95	-0.09	0.77
Stage1	7.55	0.02	0.28
Stage1	7.15	0.03	0.02
Stage1	6.75	0.01	-0.04
Stage1	6.35	0	-0.03
Stage1	5.95	0	-0.01
Stage1	5.55	0	0
Stage1	5.15	0	0
Stage1	4.75	0	0
Stage1	4.35	0	0
Stage1	3.95	0	0
Stage1	3.55	0	0
Stage1	3.15	0	0
Stage1	2.75	0	0
Stage1	2.35	0	0
Stage1	1.95	0	0
Stage1	1.55	0	0
Stage1	1.15	0	0
Stage1	0.75	0	0
Stage1	0.35	0	0
Stage1	-0.05	0	0
Stage1	-0.45	0	0
Stage1	-0.85	0	0
Stage1	-1.25	0	0
Stage1	-1.45	0	0
Stage1	-1.85	0	0
Stage1	-2.25	0	0
Stage1	-2.65	0	0
Stage1	-3.05	0	0
Stage1	-3.45	0	0
Stage1	-3.85	0	0
Stage1	-4.25	0	0
Stage1	-4.65	0	0
Stage1	-5.05	0	0
Stage1	-5.45	0	0
Stage1	-5.85	0	0
Stage1	-6.25	0	0
Stage1	-6.65	0	0
Stage1	-7.05	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	-7.45	0	0
Stage1	-7.85	0	0
Stage1	-8.25	0	0
Stage1	-8.65	0	0
Stage1	-9.05	0	0
Stage1	-9.45	0	0
Stage1	-9.85	0	0
Stage1	-10.25	0	0
Stage1	-10.65	0	0
Stage1	-11.05	0	0
Stage1	-11.45	0	0
Stage1	-11.85	0	0
Stage1	-12.25	0	0
Stage1	-12.65	0	0
Stage1	-13.05	0	0
Stage1	-13.45	0	0
Stage1	-13.85	0	0
Stage1	-14.25	0	0
Stage1	-14.65	0	0
Stage1	-15.05	0	0
Stage1	-15.45	0	0
Stage1	-15.85	0	0
Stage1	-16.25	0	0
Stage1	-16.65	0	0
Stage1	-17.05	0	0
Stage1	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage1

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	15.7	0	0
Stage1	15.35	0	0
Stage1	15.35	0	0
Stage1	14.95	1.33	3.33
Stage1	14.55	2.33	2.49
Stage1	14.15	2.51	0.45
Stage1	13.75	2.2	-0.76
Stage1	13.35	1.68	-1.3
Stage1	12.95	1.13	-1.37
Stage1	12.55	0.65	-1.2
Stage1	12.15	0.28	-0.94
Stage1	11.75	0	-0.69
Stage1	11.35	-0.19	-0.48
Stage1	10.95	-0.31	-0.32
Stage1	10.55	-0.38	-0.17
Stage1	10.15	-0.39	0
Stage1	9.95	-0.35	0.18
Stage1	9.55	-0.19	0.4
Stage1	9.15	0.15	0.85
Stage1	8.75	0.74	1.47
Stage1	8.35	0.4	-0.86
Stage1	7.95	0.09	-0.77
Stage1	7.55	-0.02	-0.28
Stage1	7.15	-0.03	-0.02
Stage1	6.75	-0.01	0.04
Stage1	6.35	0	0.03
Stage1	5.95	0	0.01
Stage1	5.55	0	0
Stage1	5.15	0	0
Stage1	4.75	0	0
Stage1	4.35	0	0
Stage1	3.95	0	0
Stage1	3.55	0	0
Stage1	3.15	0	0
Stage1	2.75	0	0
Stage1	2.35	0	0
Stage1	1.95	0	0
Stage1	1.55	0	0
Stage1	1.15	0	0
Stage1	0.75	0	0
Stage1	0.35	0	0
Stage1	-0.05	0	0
Stage1	-0.45	0	0
Stage1	-0.85	0	0
Stage1	-1.25	0	0
Stage1	-1.45	0	0
Stage1	-1.85	0	0
Stage1	-2.25	0	0
Stage1	-2.65	0	0
Stage1	-3.05	0	0
Stage1	-3.45	0	0
Stage1	-3.85	0	0
Stage1	-4.25	0	0
Stage1	-4.65	0	0
Stage1	-5.05	0	0
Stage1	-5.45	0	0
Stage1	-5.85	0	0
Stage1	-6.25	0	0
Stage1	-6.65	0	0
Stage1	-7.05	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	-7.45	0	0
Stage1	-7.85	0	0
Stage1	-8.25	0	0
Stage1	-8.65	0	0
Stage1	-9.05	0	0
Stage1	-9.45	0	0
Stage1	-9.85	0	0
Stage1	-10.25	0	0
Stage1	-10.65	0	0
Stage1	-11.05	0	0
Stage1	-11.45	0	0
Stage1	-11.85	0	0
Stage1	-12.25	0	0
Stage1	-12.65	0	0
Stage1	-13.05	0	0
Stage1	-13.45	0	0
Stage1	-13.85	0	0
Stage1	-14.25	0	0
Stage1	-14.65	0	0
Stage1	-15.05	0	0
Stage1	-15.45	0	0
Stage1	-15.85	0	0
Stage1	-16.25	0	0
Stage1	-16.65	0	0
Stage1	-17.05	0	0
Stage1	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage2

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	15.7	0	0
Stage2	15.35	0	0
Stage2	15.35	0	0
Stage2	14.95	-1.33	-3.33
Stage2	14.55	-2.33	-2.49
Stage2	14.15	-2.51	-0.45
Stage2	13.75	-2.2	0.76
Stage2	13.35	-1.68	1.3
Stage2	12.95	-1.13	1.37
Stage2	12.55	-0.65	1.2
Stage2	12.15	-0.28	0.94
Stage2	11.75	0	0.69
Stage2	11.35	0.19	0.48
Stage2	10.95	0.31	0.32
Stage2	10.55	0.38	0.17
Stage2	10.15	0.39	0
Stage2	9.95	0.35	-0.18
Stage2	9.55	0.19	-0.4
Stage2	9.15	-0.15	-0.85
Stage2	8.75	-0.74	-1.47
Stage2	8.35	-0.4	0.86
Stage2	7.95	-0.09	0.77
Stage2	7.55	0.02	0.28
Stage2	7.15	0.03	0.02
Stage2	6.75	0.01	-0.04
Stage2	6.35	0	-0.03
Stage2	5.95	0	-0.01
Stage2	5.55	0	0
Stage2	5.15	0	0
Stage2	4.75	0	0
Stage2	4.35	0	0
Stage2	3.95	0	0
Stage2	3.55	0	0
Stage2	3.15	0	0
Stage2	2.75	0	0
Stage2	2.35	0	0
Stage2	1.95	0	0
Stage2	1.55	0	0
Stage2	1.15	0	0
Stage2	0.75	0	0
Stage2	0.35	0	0
Stage2	-0.05	0	0
Stage2	-0.45	0	0
Stage2	-0.85	0	0
Stage2	-1.25	0	0
Stage2	-1.45	0	0
Stage2	-1.85	0	0
Stage2	-2.25	0	0
Stage2	-2.65	0	0
Stage2	-3.05	0	0
Stage2	-3.45	0	0
Stage2	-3.85	0	0
Stage2	-4.25	0	0
Stage2	-4.65	0	0
Stage2	-5.05	0	0
Stage2	-5.45	0	0
Stage2	-5.85	0	0
Stage2	-6.25	0	0
Stage2	-6.65	0	0
Stage2	-7.05	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	-7.45	0	0
Stage2	-7.85	0	0
Stage2	-8.25	0	0
Stage2	-8.65	0	0
Stage2	-9.05	0	0
Stage2	-9.45	0	0
Stage2	-9.85	0	0
Stage2	-10.25	0	0
Stage2	-10.65	0	0
Stage2	-11.05	0	0
Stage2	-11.45	0	0
Stage2	-11.85	0	0
Stage2	-12.25	0	0
Stage2	-12.65	0	0
Stage2	-13.05	0	0
Stage2	-13.45	0	0
Stage2	-13.85	0	0
Stage2	-14.25	0	0
Stage2	-14.65	0	0
Stage2	-15.05	0	0
Stage2	-15.45	0	0
Stage2	-15.85	0	0
Stage2	-16.25	0	0
Stage2	-16.65	0	0
Stage2	-17.05	0	0
Stage2	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage2

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	15.7	0	0
Stage2	15.35	0	0
Stage2	15.35	0	0
Stage2	14.95	1.33	3.33
Stage2	14.55	2.33	2.49
Stage2	14.15	2.51	0.45
Stage2	13.75	2.2	-0.76
Stage2	13.35	1.68	-1.3
Stage2	12.95	1.13	-1.37
Stage2	12.55	0.65	-1.2
Stage2	12.15	0.28	-0.94
Stage2	11.75	0	-0.69
Stage2	11.35	-0.19	-0.48
Stage2	10.95	-0.31	-0.32
Stage2	10.55	-0.38	-0.17
Stage2	10.15	-0.39	0
Stage2	9.95	-0.35	0.18
Stage2	9.55	-0.19	0.4
Stage2	9.15	0.15	0.85
Stage2	8.75	0.74	1.47
Stage2	8.35	0.4	-0.86
Stage2	7.95	0.09	-0.77
Stage2	7.55	-0.02	-0.28
Stage2	7.15	-0.03	-0.02
Stage2	6.75	-0.01	0.04
Stage2	6.35	0	0.03
Stage2	5.95	0	0.01
Stage2	5.55	0	0
Stage2	5.15	0	0
Stage2	4.75	0	0
Stage2	4.35	0	0
Stage2	3.95	0	0
Stage2	3.55	0	0
Stage2	3.15	0	0
Stage2	2.75	0	0
Stage2	2.35	0	0
Stage2	1.95	0	0
Stage2	1.55	0	0
Stage2	1.15	0	0
Stage2	0.75	0	0
Stage2	0.35	0	0
Stage2	-0.05	0	0
Stage2	-0.45	0	0
Stage2	-0.85	0	0
Stage2	-1.25	0	0
Stage2	-1.45	0	0
Stage2	-1.85	0	0
Stage2	-2.25	0	0
Stage2	-2.65	0	0
Stage2	-3.05	0	0
Stage2	-3.45	0	0
Stage2	-3.85	0	0
Stage2	-4.25	0	0
Stage2	-4.65	0	0
Stage2	-5.05	0	0
Stage2	-5.45	0	0
Stage2	-5.85	0	0
Stage2	-6.25	0	0
Stage2	-6.65	0	0
Stage2	-7.05	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	-7.45	0	0
Stage2	-7.85	0	0
Stage2	-8.25	0	0
Stage2	-8.65	0	0
Stage2	-9.05	0	0
Stage2	-9.45	0	0
Stage2	-9.85	0	0
Stage2	-10.25	0	0
Stage2	-10.65	0	0
Stage2	-11.05	0	0
Stage2	-11.45	0	0
Stage2	-11.85	0	0
Stage2	-12.25	0	0
Stage2	-12.65	0	0
Stage2	-13.05	0	0
Stage2	-13.45	0	0
Stage2	-13.85	0	0
Stage2	-14.25	0	0
Stage2	-14.65	0	0
Stage2	-15.05	0	0
Stage2	-15.45	0	0
Stage2	-15.85	0	0
Stage2	-16.25	0	0
Stage2	-16.65	0	0
Stage2	-17.05	0	0
Stage2	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage3

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	15.7	0	-2.85
Stage3	15.35	-1	-2.85
Stage3	14.95	12.48	33.68
Stage3	14.55	25.95	33.68
Stage3	14.15	39.1	32.87
Stage3	13.75	51.32	30.55
Stage3	13.35	62.01	26.73
Stage3	12.95	70.57	21.4
Stage3	12.55	76.41	14.6
Stage3	12.15	78.94	6.34
Stage3	11.75	77.69	-3.13
Stage3	11.35	72.14	-13.89
Stage3	10.95	61.74	-25.98
Stage3	10.55	45.98	-39.41
Stage3	10.15	24.31	-54.18
Stage3	9.95	10.95	-66.78
Stage3	9.55	-21.15	-80.25
Stage3	9.15	-61.33	-100.46
Stage3	8.75	-103.75	-106.04
Stage3	8.35	-84.48	48.18
Stage3	7.95	-45.8	96.7
Stage3	7.55	-13.54	80.63
Stage3	7.15	0.93	36.18
Stage3	6.75	3.89	7.4
Stage3	6.35	2.63	-3.15
Stage3	5.95	1	-4.07
Stage3	5.55	0.11	-2.23
Stage3	5.15	-0.16	-0.67
Stage3	4.75	-0.14	0.04
Stage3	4.35	-0.07	0.19
Stage3	3.95	-0.02	0.13
Stage3	3.55	0	0.05
Stage3	3.15	0.01	0.01
Stage3	2.75	0	-0.01
Stage3	2.35	0	-0.01
Stage3	1.95	0	0
Stage3	1.55	0	0
Stage3	1.15	0	0
Stage3	0.75	0	0
Stage3	0.35	0	0
Stage3	-0.05	0	0
Stage3	-0.45	0	0
Stage3	-0.85	0	0
Stage3	-1.25	0	0
Stage3	-1.45	0	0
Stage3	-1.85	0	0
Stage3	-2.25	0	0
Stage3	-2.65	0	0
Stage3	-3.05	0	0
Stage3	-3.45	0	0
Stage3	-3.85	0	0
Stage3	-4.25	0	0
Stage3	-4.65	0	0
Stage3	-5.05	0	0
Stage3	-5.45	0	0
Stage3	-5.85	0	0
Stage3	-6.25	0	0
Stage3	-6.65	0	0
Stage3	-7.05	0	0
Stage3	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	-7.85	0	0
Stage3	-8.25	0	0
Stage3	-8.65	0	0
Stage3	-9.05	0	0
Stage3	-9.45	0	0
Stage3	-9.85	0	0
Stage3	-10.25	0	0
Stage3	-10.65	0	0
Stage3	-11.05	0	0
Stage3	-11.45	0	0
Stage3	-11.85	0	0
Stage3	-12.25	0	0
Stage3	-12.65	0	0
Stage3	-13.05	0	0
Stage3	-13.45	0	0
Stage3	-13.85	0	0
Stage3	-14.25	0	0
Stage3	-14.65	0	0
Stage3	-15.05	0	0
Stage3	-15.45	0	0
Stage3	-15.85	0	0
Stage3	-16.25	0	0
Stage3	-16.65	0	0
Stage3	-17.05	0	0
Stage3	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage3

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	15.7	0	2.85
Stage3	15.35	1	2.85
Stage3	14.95	-12.48	-33.68
Stage3	14.55	-25.95	-33.68
Stage3	14.15	-39.1	-32.87
Stage3	13.75	-51.32	-30.55
Stage3	13.35	-62.01	-26.73
Stage3	12.95	-70.57	-21.4
Stage3	12.55	-76.41	-14.6
Stage3	12.15	-78.94	-6.34
Stage3	11.75	-77.69	3.13
Stage3	11.35	-72.14	13.89
Stage3	10.95	-61.74	25.98
Stage3	10.55	-45.98	39.41
Stage3	10.15	-24.31	54.18
Stage3	9.95	-10.95	66.78
Stage3	9.55	21.15	80.25
Stage3	9.15	61.33	100.46
Stage3	8.75	103.75	106.04
Stage3	8.35	84.48	-48.18
Stage3	7.95	45.8	-96.7
Stage3	7.55	13.54	-80.63
Stage3	7.15	-0.93	-36.18
Stage3	6.75	-3.89	-7.4
Stage3	6.35	-2.63	3.15
Stage3	5.95	-1	4.07
Stage3	5.55	-0.11	2.23
Stage3	5.15	0.16	0.67
Stage3	4.75	0.14	-0.04
Stage3	4.35	0.07	-0.19
Stage3	3.95	0.02	-0.13
Stage3	3.55	0	-0.05
Stage3	3.15	-0.01	-0.01
Stage3	2.75	0	0.01
Stage3	2.35	0	0.01
Stage3	1.95	0	0
Stage3	1.55	0	0
Stage3	1.15	0	0
Stage3	0.75	0	0
Stage3	0.35	0	0
Stage3	-0.05	0	0
Stage3	-0.45	0	0
Stage3	-0.85	0	0
Stage3	-1.25	0	0
Stage3	-1.45	0	0
Stage3	-1.85	0	0
Stage3	-2.25	0	0
Stage3	-2.65	0	0
Stage3	-3.05	0	0
Stage3	-3.45	0	0
Stage3	-3.85	0	0
Stage3	-4.25	0	0
Stage3	-4.65	0	0
Stage3	-5.05	0	0
Stage3	-5.45	0	0
Stage3	-5.85	0	0
Stage3	-6.25	0	0
Stage3	-6.65	0	0
Stage3	-7.05	0	0
Stage3	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	-7.85	0	0
Stage3	-8.25	0	0
Stage3	-8.65	0	0
Stage3	-9.05	0	0
Stage3	-9.45	0	0
Stage3	-9.85	0	0
Stage3	-10.25	0	0
Stage3	-10.65	0	0
Stage3	-11.05	0	0
Stage3	-11.45	0	0
Stage3	-11.85	0	0
Stage3	-12.25	0	0
Stage3	-12.65	0	0
Stage3	-13.05	0	0
Stage3	-13.45	0	0
Stage3	-13.85	0	0
Stage3	-14.25	0	0
Stage3	-14.65	0	0
Stage3	-15.05	0	0
Stage3	-15.45	0	0
Stage3	-15.85	0	0
Stage3	-16.25	0	0
Stage3	-16.65	0	0
Stage3	-17.05	0	0
Stage3	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage4

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	15.7	0	-2.85
Stage4	15.35	-1	-2.85
Stage4	14.95	12.48	33.68
Stage4	14.55	25.95	33.68
Stage4	14.15	39.1	32.87
Stage4	13.75	51.32	30.55
Stage4	13.35	62.01	26.73
Stage4	12.95	70.57	21.4
Stage4	12.55	76.41	14.6
Stage4	12.15	78.94	6.34
Stage4	11.75	77.69	-3.13
Stage4	11.35	72.14	-13.89
Stage4	10.95	61.74	-25.98
Stage4	10.55	45.98	-39.41
Stage4	10.15	24.31	-54.18
Stage4	9.95	10.95	-66.78
Stage4	9.55	-21.15	-80.25
Stage4	9.15	-61.33	-100.46
Stage4	8.75	-103.75	-106.04
Stage4	8.35	-84.48	48.18
Stage4	7.95	-45.8	96.7
Stage4	7.55	-13.54	80.63
Stage4	7.15	0.93	36.18
Stage4	6.75	3.89	7.4
Stage4	6.35	2.63	-3.15
Stage4	5.95	1	-4.07
Stage4	5.55	0.11	-2.23
Stage4	5.15	-0.16	-0.67
Stage4	4.75	-0.14	0.04
Stage4	4.35	-0.07	0.19
Stage4	3.95	-0.02	0.13
Stage4	3.55	0	0.05
Stage4	3.15	0.01	0.01
Stage4	2.75	0	-0.01
Stage4	2.35	0	-0.01
Stage4	1.95	0	0
Stage4	1.55	0	0
Stage4	1.15	0	0
Stage4	0.75	0	0
Stage4	0.35	0	0
Stage4	-0.05	0	0
Stage4	-0.45	0	0
Stage4	-0.85	0	0
Stage4	-1.25	0	0
Stage4	-1.45	0	0
Stage4	-1.85	0	0
Stage4	-2.25	0	0
Stage4	-2.65	0	0
Stage4	-3.05	0	0
Stage4	-3.45	0	0
Stage4	-3.85	0	0
Stage4	-4.25	0	0
Stage4	-4.65	0	0
Stage4	-5.05	0	0
Stage4	-5.45	0	0
Stage4	-5.85	0	0
Stage4	-6.25	0	0
Stage4	-6.65	0	0
Stage4	-7.05	0	0
Stage4	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	-7.85	0	0
Stage4	-8.25	0	0
Stage4	-8.65	0	0
Stage4	-9.05	0	0
Stage4	-9.45	0	0
Stage4	-9.85	0	0
Stage4	-10.25	0	0
Stage4	-10.65	0	0
Stage4	-11.05	0	0
Stage4	-11.45	0	0
Stage4	-11.85	0	0
Stage4	-12.25	0	0
Stage4	-12.65	0	0
Stage4	-13.05	0	0
Stage4	-13.45	0	0
Stage4	-13.85	0	0
Stage4	-14.25	0	0
Stage4	-14.65	0	0
Stage4	-15.05	0	0
Stage4	-15.45	0	0
Stage4	-15.85	0	0
Stage4	-16.25	0	0
Stage4	-16.65	0	0
Stage4	-17.05	0	0
Stage4	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage4

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	15.7	0	2.85
Stage4	15.35	1	2.85
Stage4	14.95	-12.48	-33.68
Stage4	14.55	-25.95	-33.68
Stage4	14.15	-39.1	-32.87
Stage4	13.75	-51.32	-30.55
Stage4	13.35	-62.01	-26.73
Stage4	12.95	-70.57	-21.4
Stage4	12.55	-76.41	-14.6
Stage4	12.15	-78.94	-6.34
Stage4	11.75	-77.69	3.13
Stage4	11.35	-72.14	13.89
Stage4	10.95	-61.74	25.98
Stage4	10.55	-45.98	39.41
Stage4	10.15	-24.31	54.18
Stage4	9.95	-10.95	66.78
Stage4	9.55	21.15	80.25
Stage4	9.15	61.33	100.46
Stage4	8.75	103.75	106.04
Stage4	8.35	84.48	-48.18
Stage4	7.95	45.8	-96.7
Stage4	7.55	13.54	-80.63
Stage4	7.15	-0.93	-36.18
Stage4	6.75	-3.89	-7.4
Stage4	6.35	-2.63	3.15
Stage4	5.95	-1	4.07
Stage4	5.55	-0.11	2.23
Stage4	5.15	0.16	0.67
Stage4	4.75	0.14	-0.04
Stage4	4.35	0.07	-0.19
Stage4	3.95	0.02	-0.13
Stage4	3.55	0	-0.05
Stage4	3.15	-0.01	-0.01
Stage4	2.75	0	0.01
Stage4	2.35	0	0.01
Stage4	1.95	0	0
Stage4	1.55	0	0
Stage4	1.15	0	0
Stage4	0.75	0	0
Stage4	0.35	0	0
Stage4	-0.05	0	0
Stage4	-0.45	0	0
Stage4	-0.85	0	0
Stage4	-1.25	0	0
Stage4	-1.45	0	0
Stage4	-1.85	0	0
Stage4	-2.25	0	0
Stage4	-2.65	0	0
Stage4	-3.05	0	0
Stage4	-3.45	0	0
Stage4	-3.85	0	0
Stage4	-4.25	0	0
Stage4	-4.65	0	0
Stage4	-5.05	0	0
Stage4	-5.45	0	0
Stage4	-5.85	0	0
Stage4	-6.25	0	0
Stage4	-6.65	0	0
Stage4	-7.05	0	0
Stage4	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	-7.85	0	0
Stage4	-8.25	0	0
Stage4	-8.65	0	0
Stage4	-9.05	0	0
Stage4	-9.45	0	0
Stage4	-9.85	0	0
Stage4	-10.25	0	0
Stage4	-10.65	0	0
Stage4	-11.05	0	0
Stage4	-11.45	0	0
Stage4	-11.85	0	0
Stage4	-12.25	0	0
Stage4	-12.65	0	0
Stage4	-13.05	0	0
Stage4	-13.45	0	0
Stage4	-13.85	0	0
Stage4	-14.25	0	0
Stage4	-14.65	0	0
Stage4	-15.05	0	0
Stage4	-15.45	0	0
Stage4	-15.85	0	0
Stage4	-16.25	0	0
Stage4	-16.65	0	0
Stage4	-17.05	0	0
Stage4	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage5

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	15.7	0	-2.71
Stage5	15.35	-0.95	-2.71
Stage5	14.95	12.69	34.11
Stage5	14.55	26.2	33.76
Stage5	14.15	39.09	32.24
Stage5	13.75	50.63	28.84
Stage5	13.35	60.06	23.58
Stage5	12.95	66.65	16.47
Stage5	12.55	69.67	7.57
Stage5	12.15	68.47	-3
Stage5	11.75	62.53	-14.87
Stage5	11.35	51.38	-27.88
Stage5	10.95	34.67	-41.76
Stage5	10.55	12.24	-56.09
Stage5	10.15	-16.23	-71.16
Stage5	9.95	-32.88	-83.25
Stage5	9.55	-17.7	37.94
Stage5	9.15	-9.81	19.73
Stage5	8.75	-9.74	0.17
Stage5	8.35	-9.68	0.17
Stage5	7.95	-9.61	0.17
Stage5	7.55	-9.55	0.17
Stage5	7.15	-9.48	0.17
Stage5	6.75	-9.41	0.17
Stage5	6.35	-9.35	0.17
Stage5	5.95	-9.28	0.17
Stage5	5.55	-9.21	0.17
Stage5	5.15	-9.3	-0.22
Stage5	4.75	-10.18	-2.18
Stage5	4.35	-12.46	-5.7
Stage5	3.95	-8.03	11.06
Stage5	3.55	-3.45	11.45
Stage5	3.15	-0.72	6.82
Stage5	2.75	0.34	2.67
Stage5	2.35	0.5	0.38
Stage5	1.95	0.32	-0.43
Stage5	1.55	0.13	-0.48
Stage5	1.15	0.02	-0.29
Stage5	0.75	-0.03	-0.11
Stage5	0.35	-0.03	-0.01
Stage5	-0.05	-0.02	0.02
Stage5	-0.45	-0.01	0.02
Stage5	-0.85	-0.01	0.02
Stage5	-1.25	-0.01	0.01
Stage5	-1.45	0	0
Stage5	-1.85	0	0
Stage5	-2.25	0	0
Stage5	-2.65	0	0
Stage5	-3.05	0	0
Stage5	-3.45	0	0
Stage5	-3.85	0	0
Stage5	-4.25	0	0
Stage5	-4.65	0	0
Stage5	-5.05	0	0
Stage5	-5.45	0	0
Stage5	-5.85	0	0
Stage5	-6.25	0	0
Stage5	-6.65	0	0
Stage5	-7.05	0	0
Stage5	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	-7.85	0	0
Stage5	-8.25	0	0
Stage5	-8.65	0	0
Stage5	-9.05	0	0
Stage5	-9.45	0	0
Stage5	-9.85	0	0
Stage5	-10.25	0	0
Stage5	-10.65	0	0
Stage5	-11.05	0	0
Stage5	-11.45	0	0
Stage5	-11.85	0	0
Stage5	-12.25	0	0
Stage5	-12.65	0	0
Stage5	-13.05	0	0
Stage5	-13.45	0	0
Stage5	-13.85	0	0
Stage5	-14.25	0	0
Stage5	-14.65	0	0
Stage5	-15.05	0	0
Stage5	-15.45	0	0
Stage5	-15.85	0	0
Stage5	-16.25	0	0
Stage5	-16.65	0	0
Stage5	-17.05	0	0
Stage5	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage5

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	15.7	0	2.71
Stage5	15.35	0.95	2.71
Stage5	14.95	-12.69	-34.11
Stage5	14.55	-26.2	-33.76
Stage5	14.15	-39.09	-32.24
Stage5	13.75	-50.63	-28.84
Stage5	13.35	-60.06	-23.58
Stage5	12.95	-66.65	-16.47
Stage5	12.55	-69.67	-7.57
Stage5	12.15	-68.47	3
Stage5	11.75	-62.53	14.87
Stage5	11.35	-51.38	27.88
Stage5	10.95	-34.67	41.76
Stage5	10.55	-12.24	56.09
Stage5	10.15	16.23	71.16
Stage5	9.95	32.88	83.25
Stage5	9.55	17.7	-37.94
Stage5	9.15	9.81	-19.73
Stage5	8.75	9.74	-0.17
Stage5	8.35	9.68	-0.17
Stage5	7.95	9.61	-0.17
Stage5	7.55	9.55	-0.17
Stage5	7.15	9.48	-0.17
Stage5	6.75	9.41	-0.17
Stage5	6.35	9.35	-0.17
Stage5	5.95	9.28	-0.17
Stage5	5.55	9.21	-0.17
Stage5	5.15	9.3	0.22
Stage5	4.75	10.18	2.18
Stage5	4.35	12.46	5.7
Stage5	3.95	8.03	-11.06
Stage5	3.55	3.45	-11.45
Stage5	3.15	0.72	-6.82
Stage5	2.75	-0.34	-2.67
Stage5	2.35	-0.5	-0.38
Stage5	1.95	-0.32	0.43
Stage5	1.55	-0.13	0.48
Stage5	1.15	-0.02	0.29
Stage5	0.75	0.03	0.11
Stage5	0.35	0.03	0.01
Stage5	-0.05	0.02	-0.02
Stage5	-0.45	0.01	-0.02
Stage5	-0.85	0.01	-0.02
Stage5	-1.25	0.01	-0.01
Stage5	-1.45	0	0
Stage5	-1.85	0	0
Stage5	-2.25	0	0
Stage5	-2.65	0	0
Stage5	-3.05	0	0
Stage5	-3.45	0	0
Stage5	-3.85	0	0
Stage5	-4.25	0	0
Stage5	-4.65	0	0
Stage5	-5.05	0	0
Stage5	-5.45	0	0
Stage5	-5.85	0	0
Stage5	-6.25	0	0
Stage5	-6.65	0	0
Stage5	-7.05	0	0
Stage5	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	-7.85	0	0
Stage5	-8.25	0	0
Stage5	-8.65	0	0
Stage5	-9.05	0	0
Stage5	-9.45	0	0
Stage5	-9.85	0	0
Stage5	-10.25	0	0
Stage5	-10.65	0	0
Stage5	-11.05	0	0
Stage5	-11.45	0	0
Stage5	-11.85	0	0
Stage5	-12.25	0	0
Stage5	-12.65	0	0
Stage5	-13.05	0	0
Stage5	-13.45	0	0
Stage5	-13.85	0	0
Stage5	-14.25	0	0
Stage5	-14.65	0	0
Stage5	-15.05	0	0
Stage5	-15.45	0	0
Stage5	-15.85	0	0
Stage5	-16.25	0	0
Stage5	-16.65	0	0
Stage5	-17.05	0	0
Stage5	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage6

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	15.7	0	-2.71
Stage6	15.35	-0.95	-2.71
Stage6	14.95	12.69	34.11
Stage6	14.55	26.2	33.76
Stage6	14.15	39.09	32.24
Stage6	13.75	50.63	28.84
Stage6	13.35	60.06	23.58
Stage6	12.95	66.65	16.47
Stage6	12.55	69.67	7.57
Stage6	12.15	68.47	-3
Stage6	11.75	62.53	-14.87
Stage6	11.35	51.38	-27.88
Stage6	10.95	34.67	-41.76
Stage6	10.55	12.24	-56.09
Stage6	10.15	-16.23	-71.16
Stage6	9.95	-32.88	-83.25
Stage6	9.55	-17.7	37.94
Stage6	9.15	-9.81	19.73
Stage6	8.75	-9.74	0.17
Stage6	8.35	-9.68	0.17
Stage6	7.95	-9.61	0.17
Stage6	7.55	-9.55	0.17
Stage6	7.15	-9.48	0.17
Stage6	6.75	-9.41	0.17
Stage6	6.35	-9.35	0.17
Stage6	5.95	-9.28	0.17
Stage6	5.55	-9.21	0.17
Stage6	5.15	-9.3	-0.22
Stage6	4.75	-10.18	-2.18
Stage6	4.35	-12.46	-5.7
Stage6	3.95	-8.03	11.06
Stage6	3.55	-3.45	11.45
Stage6	3.15	-0.72	6.82
Stage6	2.75	0.34	2.67
Stage6	2.35	0.5	0.38
Stage6	1.95	0.32	-0.43
Stage6	1.55	0.13	-0.48
Stage6	1.15	0.02	-0.29
Stage6	0.75	-0.03	-0.11
Stage6	0.35	-0.03	-0.01
Stage6	-0.05	-0.02	0.02
Stage6	-0.45	-0.01	0.02
Stage6	-0.85	-0.01	0.02
Stage6	-1.25	-0.01	0.01
Stage6	-1.45	0	0
Stage6	-1.85	0	0
Stage6	-2.25	0	0
Stage6	-2.65	0	0
Stage6	-3.05	0	0
Stage6	-3.45	0	0
Stage6	-3.85	0	0
Stage6	-4.25	0	0
Stage6	-4.65	0	0
Stage6	-5.05	0	0
Stage6	-5.45	0	0
Stage6	-5.85	0	0
Stage6	-6.25	0	0
Stage6	-6.65	0	0
Stage6	-7.05	0	0
Stage6	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	-7.85	0	0
Stage6	-8.25	0	0
Stage6	-8.65	0	0
Stage6	-9.05	0	0
Stage6	-9.45	0	0
Stage6	-9.85	0	0
Stage6	-10.25	0	0
Stage6	-10.65	0	0
Stage6	-11.05	0	0
Stage6	-11.45	0	0
Stage6	-11.85	0	0
Stage6	-12.25	0	0
Stage6	-12.65	0	0
Stage6	-13.05	0	0
Stage6	-13.45	0	0
Stage6	-13.85	0	0
Stage6	-14.25	0	0
Stage6	-14.65	0	0
Stage6	-15.05	0	0
Stage6	-15.45	0	0
Stage6	-15.85	0	0
Stage6	-16.25	0	0
Stage6	-16.65	0	0
Stage6	-17.05	0	0
Stage6	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage6

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	15.7	0	2.71
Stage6	15.35	0.95	2.71
Stage6	14.95	-12.69	-34.11
Stage6	14.55	-26.2	-33.76
Stage6	14.15	-39.09	-32.24
Stage6	13.75	-50.63	-28.84
Stage6	13.35	-60.06	-23.58
Stage6	12.95	-66.65	-16.47
Stage6	12.55	-69.67	-7.57
Stage6	12.15	-68.47	3
Stage6	11.75	-62.53	14.87
Stage6	11.35	-51.38	27.88
Stage6	10.95	-34.67	41.76
Stage6	10.55	-12.24	56.09
Stage6	10.15	16.23	71.16
Stage6	9.95	32.88	83.25
Stage6	9.55	17.7	-37.94
Stage6	9.15	9.81	-19.73
Stage6	8.75	9.74	-0.17
Stage6	8.35	9.68	-0.17
Stage6	7.95	9.61	-0.17
Stage6	7.55	9.55	-0.17
Stage6	7.15	9.48	-0.17
Stage6	6.75	9.41	-0.17
Stage6	6.35	9.35	-0.17
Stage6	5.95	9.28	-0.17
Stage6	5.55	9.21	-0.17
Stage6	5.15	9.3	0.22
Stage6	4.75	10.18	2.18
Stage6	4.35	12.46	5.7
Stage6	3.95	8.03	-11.06
Stage6	3.55	3.45	-11.45
Stage6	3.15	0.72	-6.82
Stage6	2.75	-0.34	-2.67
Stage6	2.35	-0.5	-0.38
Stage6	1.95	-0.32	0.43
Stage6	1.55	-0.13	0.48
Stage6	1.15	-0.02	0.29
Stage6	0.75	0.03	0.11
Stage6	0.35	0.03	0.01
Stage6	-0.05	0.02	-0.02
Stage6	-0.45	0.01	-0.02
Stage6	-0.85	0.01	-0.02
Stage6	-1.25	0.01	-0.01
Stage6	-1.45	0	0
Stage6	-1.85	0	0
Stage6	-2.25	0	0
Stage6	-2.65	0	0
Stage6	-3.05	0	0
Stage6	-3.45	0	0
Stage6	-3.85	0	0
Stage6	-4.25	0	0
Stage6	-4.65	0	0
Stage6	-5.05	0	0
Stage6	-5.45	0	0
Stage6	-5.85	0	0
Stage6	-6.25	0	0
Stage6	-6.65	0	0
Stage6	-7.05	0	0
Stage6	-7.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	-7.85	0	0
Stage6	-8.25	0	0
Stage6	-8.65	0	0
Stage6	-9.05	0	0
Stage6	-9.45	0	0
Stage6	-9.85	0	0
Stage6	-10.25	0	0
Stage6	-10.65	0	0
Stage6	-11.05	0	0
Stage6	-11.45	0	0
Stage6	-11.85	0	0
Stage6	-12.25	0	0
Stage6	-12.65	0	0
Stage6	-13.05	0	0
Stage6	-13.45	0	0
Stage6	-13.85	0	0
Stage6	-14.25	0	0
Stage6	-14.65	0	0
Stage6	-15.05	0	0
Stage6	-15.45	0	0
Stage6	-15.85	0	0
Stage6	-16.25	0	0
Stage6	-16.65	0	0
Stage6	-17.05	0	0
Stage6	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage7

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	15.7	0	-2.71
Stage7	15.35	-0.95	-2.71
Stage7	14.95	12.69	34.1
Stage7	14.55	26.2	33.76
Stage7	14.15	39.09	32.24
Stage7	13.75	50.63	28.84
Stage7	13.35	60.06	23.58
Stage7	12.95	66.64	16.46
Stage7	12.55	69.67	7.57
Stage7	12.15	68.47	-3
Stage7	11.75	62.52	-14.87
Stage7	11.35	51.37	-27.88
Stage7	10.95	34.66	-41.76
Stage7	10.55	12.22	-56.1
Stage7	10.15	-16.24	-71.16
Stage7	9.95	-32.89	-83.25
Stage7	9.55	-17.69	38.01
Stage7	9.15	-9.76	19.81
Stage7	8.75	-9.66	0.24
Stage7	8.35	-9.58	0.22
Stage7	7.95	-9.52	0.13
Stage7	7.55	-9.53	-0.02
Stage7	7.15	-9.63	-0.26
Stage7	6.75	-9.91	-0.68
Stage7	6.35	-10.37	-1.15
Stage7	5.95	-10.89	-1.31
Stage7	5.55	-11.41	-1.31
Stage7	5.15	-11.93	-1.31
Stage7	4.75	-9.84	5.24
Stage7	4.35	-7.74	5.24
Stage7	3.95	-5.64	5.24
Stage7	3.55	-3.55	5.24
Stage7	3.15	-1.88	4.17
Stage7	2.75	-1.03	2.12
Stage7	2.35	-0.67	0.91
Stage7	1.95	-0.31	0.91
Stage7	1.55	0.06	0.91
Stage7	1.15	0.42	0.91
Stage7	0.75	0.78	0.91
Stage7	0.35	1.14	0.91
Stage7	-0.05	1.51	0.91
Stage7	-0.45	1.87	0.91
Stage7	-0.85	2.23	0.91
Stage7	-1.25	2.59	0.91
Stage7	-1.45	2.6	0.03
Stage7	-1.85	2.03	-1.42
Stage7	-2.25	-2.24	-10.69
Stage7	-2.65	-2.93	-1.72
Stage7	-3.05	-2.15	1.95
Stage7	-3.45	-1.16	2.48
Stage7	-3.85	-0.45	1.78
Stage7	-4.25	-0.08	0.92
Stage7	-4.65	0.05	0.32
Stage7	-5.05	0.06	0.02
Stage7	-5.45	0.03	-0.08
Stage7	-5.85	0	-0.08
Stage7	-6.25	-0.02	-0.04
Stage7	-6.65	-0.02	-0.01
Stage7	-7.05	-0.02	0
Stage7	-7.45	-0.02	0.01

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	-7.85	-0.02	0.01
Stage7	-8.25	-0.01	0.01
Stage7	-8.65	-0.01	0.01
Stage7	-9.05	-0.01	0
Stage7	-9.45	-0.01	0
Stage7	-9.85	-0.01	0
Stage7	-10.25	-0.01	0
Stage7	-10.65	-0.01	0
Stage7	-11.05	-0.01	0
Stage7	-11.45	-0.01	0
Stage7	-11.85	0	0
Stage7	-12.25	0	0
Stage7	-12.65	0	0
Stage7	-13.05	0	0
Stage7	-13.45	0	0
Stage7	-13.85	0	0
Stage7	-14.25	0	0
Stage7	-14.65	0	0
Stage7	-15.05	0	0
Stage7	-15.45	0	0
Stage7	-15.85	0	0
Stage7	-16.25	0	0
Stage7	-16.65	0	0
Stage7	-17.05	0	0
Stage7	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage7

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	15.7	0	2.71
Stage7	15.35	0.95	2.71
Stage7	14.95	-12.69	-34.1
Stage7	14.55	-26.2	-33.76
Stage7	14.15	-39.09	-32.24
Stage7	13.75	-50.63	-28.84
Stage7	13.35	-60.06	-23.58
Stage7	12.95	-66.64	-16.46
Stage7	12.55	-69.67	-7.57
Stage7	12.15	-68.47	3
Stage7	11.75	-62.52	14.87
Stage7	11.35	-51.37	27.88
Stage7	10.95	-34.66	41.76
Stage7	10.55	-12.22	56.1
Stage7	10.15	16.24	71.16
Stage7	9.95	32.89	83.25
Stage7	9.55	17.69	-38.01
Stage7	9.15	9.76	-19.81
Stage7	8.75	9.66	-0.24
Stage7	8.35	9.58	-0.22
Stage7	7.95	9.52	-0.13
Stage7	7.55	9.53	0.02
Stage7	7.15	9.63	0.26
Stage7	6.75	9.91	0.68
Stage7	6.35	10.37	1.15
Stage7	5.95	10.89	1.31
Stage7	5.55	11.41	1.31
Stage7	5.15	11.93	1.31
Stage7	4.75	9.84	-5.24
Stage7	4.35	7.74	-5.24
Stage7	3.95	5.64	-5.24
Stage7	3.55	3.55	-5.24
Stage7	3.15	1.88	-4.17
Stage7	2.75	1.03	-2.12
Stage7	2.35	0.67	-0.91
Stage7	1.95	0.31	-0.91
Stage7	1.55	-0.06	-0.91
Stage7	1.15	-0.42	-0.91
Stage7	0.75	-0.78	-0.91
Stage7	0.35	-1.14	-0.91
Stage7	-0.05	-1.51	-0.91
Stage7	-0.45	-1.87	-0.91
Stage7	-0.85	-2.23	-0.91
Stage7	-1.25	-2.59	-0.91
Stage7	-1.45	-2.6	-0.03
Stage7	-1.85	-2.03	1.42
Stage7	-2.25	2.24	10.69
Stage7	-2.65	2.93	1.72
Stage7	-3.05	2.15	-1.95
Stage7	-3.45	1.16	-2.48
Stage7	-3.85	0.45	-1.78
Stage7	-4.25	0.08	-0.92
Stage7	-4.65	-0.05	-0.32
Stage7	-5.05	-0.06	-0.02
Stage7	-5.45	-0.03	0.08
Stage7	-5.85	0	0.08
Stage7	-6.25	0.02	0.04
Stage7	-6.65	0.02	0.01
Stage7	-7.05	0.02	0
Stage7	-7.45	0.02	-0.01

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	-7.85	0.02	-0.01
Stage7	-8.25	0.01	-0.01
Stage7	-8.65	0.01	-0.01
Stage7	-9.05	0.01	0
Stage7	-9.45	0.01	0
Stage7	-9.85	0.01	0
Stage7	-10.25	0.01	0
Stage7	-10.65	0.01	0
Stage7	-11.05	0.01	0
Stage7	-11.45	0.01	0
Stage7	-11.85	0	0
Stage7	-12.25	0	0
Stage7	-12.65	0	0
Stage7	-13.05	0	0
Stage7	-13.45	0	0
Stage7	-13.85	0	0
Stage7	-14.25	0	0
Stage7	-14.65	0	0
Stage7	-15.05	0	0
Stage7	-15.45	0	0
Stage7	-15.85	0	0
Stage7	-16.25	0	0
Stage7	-16.65	0	0
Stage7	-17.05	0	0
Stage7	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage8

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	15.7	0	-2.71
Stage8	15.35	-0.95	-2.71
Stage8	14.95	12.69	34.1
Stage8	14.55	26.2	33.76
Stage8	14.15	39.09	32.24
Stage8	13.75	50.63	28.84
Stage8	13.35	60.06	23.58
Stage8	12.95	66.64	16.46
Stage8	12.55	69.67	7.57
Stage8	12.15	68.47	-3
Stage8	11.75	62.52	-14.87
Stage8	11.35	51.37	-27.88
Stage8	10.95	34.66	-41.76
Stage8	10.55	12.22	-56.1
Stage8	10.15	-16.24	-71.16
Stage8	9.95	-32.89	-83.25
Stage8	9.55	-17.69	38.01
Stage8	9.15	-9.76	19.81
Stage8	8.75	-9.66	0.24
Stage8	8.35	-9.58	0.22
Stage8	7.95	-9.52	0.13
Stage8	7.55	-9.53	-0.02
Stage8	7.15	-9.63	-0.26
Stage8	6.75	-9.91	-0.68
Stage8	6.35	-10.37	-1.15
Stage8	5.95	-10.89	-1.31
Stage8	5.55	-11.41	-1.31
Stage8	5.15	-11.93	-1.31
Stage8	4.75	-9.84	5.24
Stage8	4.35	-7.74	5.24
Stage8	3.95	-5.64	5.24
Stage8	3.55	-3.55	5.24
Stage8	3.15	-1.88	4.17
Stage8	2.75	-1.03	2.12
Stage8	2.35	-0.67	0.91
Stage8	1.95	-0.31	0.91
Stage8	1.55	0.06	0.91
Stage8	1.15	0.42	0.91
Stage8	0.75	0.78	0.91
Stage8	0.35	1.14	0.91
Stage8	-0.05	1.51	0.91
Stage8	-0.45	1.87	0.91
Stage8	-0.85	2.23	0.91
Stage8	-1.25	2.59	0.91
Stage8	-1.45	2.6	0.03
Stage8	-1.85	2.03	-1.42
Stage8	-2.25	-2.24	-10.69
Stage8	-2.65	-2.93	-1.72
Stage8	-3.05	-2.15	1.95
Stage8	-3.45	-1.16	2.48
Stage8	-3.85	-0.45	1.78
Stage8	-4.25	-0.08	0.92
Stage8	-4.65	0.05	0.32
Stage8	-5.05	0.06	0.02
Stage8	-5.45	0.03	-0.08
Stage8	-5.85	0	-0.08
Stage8	-6.25	-0.02	-0.04
Stage8	-6.65	-0.02	-0.01
Stage8	-7.05	-0.02	0
Stage8	-7.45	-0.02	0.01

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	-7.85	-0.02	0.01
Stage8	-8.25	-0.01	0.01
Stage8	-8.65	-0.01	0.01
Stage8	-9.05	-0.01	0
Stage8	-9.45	-0.01	0
Stage8	-9.85	-0.01	0
Stage8	-10.25	-0.01	0
Stage8	-10.65	-0.01	0
Stage8	-11.05	-0.01	0
Stage8	-11.45	-0.01	0
Stage8	-11.85	0	0
Stage8	-12.25	0	0
Stage8	-12.65	0	0
Stage8	-13.05	0	0
Stage8	-13.45	0	0
Stage8	-13.85	0	0
Stage8	-14.25	0	0
Stage8	-14.65	0	0
Stage8	-15.05	0	0
Stage8	-15.45	0	0
Stage8	-15.85	0	0
Stage8	-16.25	0	0
Stage8	-16.65	0	0
Stage8	-17.05	0	0
Stage8	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage8

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	15.7	0	2.71
Stage8	15.35	0.95	2.71
Stage8	14.95	-12.69	-34.1
Stage8	14.55	-26.2	-33.76
Stage8	14.15	-39.09	-32.24
Stage8	13.75	-50.63	-28.84
Stage8	13.35	-60.06	-23.58
Stage8	12.95	-66.64	-16.46
Stage8	12.55	-69.67	-7.57
Stage8	12.15	-68.47	3
Stage8	11.75	-62.52	14.87
Stage8	11.35	-51.37	27.88
Stage8	10.95	-34.66	41.76
Stage8	10.55	-12.22	56.1
Stage8	10.15	16.24	71.16
Stage8	9.95	32.89	83.25
Stage8	9.55	17.69	-38.01
Stage8	9.15	9.76	-19.81
Stage8	8.75	9.66	-0.24
Stage8	8.35	9.58	-0.22
Stage8	7.95	9.52	-0.13
Stage8	7.55	9.53	0.02
Stage8	7.15	9.63	0.26
Stage8	6.75	9.91	0.68
Stage8	6.35	10.37	1.15
Stage8	5.95	10.89	1.31
Stage8	5.55	11.41	1.31
Stage8	5.15	11.93	1.31
Stage8	4.75	9.84	-5.24
Stage8	4.35	7.74	-5.24
Stage8	3.95	5.64	-5.24
Stage8	3.55	3.55	-5.24
Stage8	3.15	1.88	-4.17
Stage8	2.75	1.03	-2.12
Stage8	2.35	0.67	-0.91
Stage8	1.95	0.31	-0.91
Stage8	1.55	-0.06	-0.91
Stage8	1.15	-0.42	-0.91
Stage8	0.75	-0.78	-0.91
Stage8	0.35	-1.14	-0.91
Stage8	-0.05	-1.51	-0.91
Stage8	-0.45	-1.87	-0.91
Stage8	-0.85	-2.23	-0.91
Stage8	-1.25	-2.59	-0.91
Stage8	-1.45	-2.6	-0.03
Stage8	-1.85	-2.03	1.42
Stage8	-2.25	2.24	10.69
Stage8	-2.65	2.93	1.72
Stage8	-3.05	2.15	-1.95
Stage8	-3.45	1.16	-2.48
Stage8	-3.85	0.45	-1.78
Stage8	-4.25	0.08	-0.92
Stage8	-4.65	-0.05	-0.32
Stage8	-5.05	-0.06	-0.02
Stage8	-5.45	-0.03	0.08
Stage8	-5.85	0	0.08
Stage8	-6.25	0.02	0.04
Stage8	-6.65	0.02	0.01
Stage8	-7.05	0.02	0
Stage8	-7.45	0.02	-0.01

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	-7.85	0.02	-0.01
Stage8	-8.25	0.01	-0.01
Stage8	-8.65	0.01	-0.01
Stage8	-9.05	0.01	0
Stage8	-9.45	0.01	0
Stage8	-9.85	0.01	0
Stage8	-10.25	0.01	0
Stage8	-10.65	0.01	0
Stage8	-11.05	0.01	0
Stage8	-11.45	0.01	0
Stage8	-11.85	0	0
Stage8	-12.25	0	0
Stage8	-12.65	0	0
Stage8	-13.05	0	0
Stage8	-13.45	0	0
Stage8	-13.85	0	0
Stage8	-14.25	0	0
Stage8	-14.65	0	0
Stage8	-15.05	0	0
Stage8	-15.45	0	0
Stage8	-15.85	0	0
Stage8	-16.25	0	0
Stage8	-16.65	0	0
Stage8	-17.05	0	0
Stage8	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage9

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	15.7	0	-2.71
Stage9	15.35	-0.95	-2.71
Stage9	14.95	12.69	34.1
Stage9	14.55	26.2	33.76
Stage9	14.15	39.09	32.24
Stage9	13.75	50.63	28.84
Stage9	13.35	60.06	23.58
Stage9	12.95	66.64	16.46
Stage9	12.55	69.67	7.57
Stage9	12.15	68.47	-3
Stage9	11.75	62.52	-14.87
Stage9	11.35	51.37	-27.88
Stage9	10.95	34.66	-41.76
Stage9	10.55	12.22	-56.1
Stage9	10.15	-16.24	-71.16
Stage9	9.95	-32.89	-83.25
Stage9	9.55	-17.69	38.01
Stage9	9.15	-9.76	19.81
Stage9	8.75	-9.66	0.24
Stage9	8.35	-9.58	0.22
Stage9	7.95	-9.52	0.13
Stage9	7.55	-9.53	-0.02
Stage9	7.15	-9.63	-0.26
Stage9	6.75	-9.91	-0.68
Stage9	6.35	-10.37	-1.15
Stage9	5.95	-10.89	-1.3
Stage9	5.55	-11.41	-1.3
Stage9	5.15	-11.93	-1.31
Stage9	4.75	-9.84	5.24
Stage9	4.35	-7.75	5.23
Stage9	3.95	-5.65	5.23
Stage9	3.55	-3.56	5.23
Stage9	3.15	-1.89	4.17
Stage9	2.75	-1.03	2.16
Stage9	2.35	-0.63	1
Stage9	1.95	-0.23	0.99
Stage9	1.55	0.16	0.97
Stage9	1.15	0.53	0.93
Stage9	0.75	0.87	0.85
Stage9	0.35	1.1	0.57
Stage9	-0.05	1.12	0.04
Stage9	-0.45	0.85	-0.67
Stage9	-0.85	0.35	-1.25
Stage9	-1.25	-0.16	-1.25
Stage9	-1.45	-0.41	-1.25
Stage9	-1.85	0.74	2.88
Stage9	-2.25	1.89	2.88
Stage9	-2.65	3.05	2.88
Stage9	-3.05	2.75	-0.73
Stage9	-3.45	-1.54	-10.74
Stage9	-3.85	-2.58	-2.6
Stage9	-4.25	-2.06	1.32
Stage9	-4.65	-1.18	2.18
Stage9	-5.05	-0.51	1.69
Stage9	-5.45	-0.13	0.94
Stage9	-5.85	0.02	0.37
Stage9	-6.25	0.04	0.06
Stage9	-6.65	0.02	-0.05
Stage9	-7.05	-0.01	-0.06
Stage9	-7.45	-0.02	-0.04

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	-7.85	-0.03	-0.01
Stage9	-8.25	-0.03	0
Stage9	-8.65	-0.02	0.01
Stage9	-9.05	-0.02	0.01
Stage9	-9.45	-0.01	0.01
Stage9	-9.85	-0.01	0.01
Stage9	-10.25	-0.01	0
Stage9	-10.65	-0.01	0
Stage9	-11.05	-0.01	0
Stage9	-11.45	-0.01	0
Stage9	-11.85	-0.01	0
Stage9	-12.25	-0.01	0
Stage9	-12.65	-0.01	0
Stage9	-13.05	-0.01	0
Stage9	-13.45	-0.01	0
Stage9	-13.85	0	0
Stage9	-14.25	0	0
Stage9	-14.65	0	0
Stage9	-15.05	0	0
Stage9	-15.45	0	0
Stage9	-15.85	0	0
Stage9	-16.25	0	0
Stage9	-16.65	0	0
Stage9	-17.05	0	0
Stage9	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage9

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	15.7	0	2.71
Stage9	15.35	0.95	2.71
Stage9	14.95	-12.69	-34.1
Stage9	14.55	-26.2	-33.76
Stage9	14.15	-39.09	-32.24
Stage9	13.75	-50.63	-28.84
Stage9	13.35	-60.06	-23.58
Stage9	12.95	-66.64	-16.46
Stage9	12.55	-69.67	-7.57
Stage9	12.15	-68.47	3
Stage9	11.75	-62.52	14.87
Stage9	11.35	-51.37	27.88
Stage9	10.95	-34.66	41.76
Stage9	10.55	-12.22	56.1
Stage9	10.15	16.24	71.16
Stage9	9.95	32.89	83.25
Stage9	9.55	17.69	-38.01
Stage9	9.15	9.76	-19.81
Stage9	8.75	9.66	-0.24
Stage9	8.35	9.58	-0.22
Stage9	7.95	9.52	-0.13
Stage9	7.55	9.53	0.02
Stage9	7.15	9.63	0.26
Stage9	6.75	9.91	0.68
Stage9	6.35	10.37	1.15
Stage9	5.95	10.89	1.3
Stage9	5.55	11.41	1.3
Stage9	5.15	11.93	1.31
Stage9	4.75	9.84	-5.24
Stage9	4.35	7.75	-5.23
Stage9	3.95	5.65	-5.23
Stage9	3.55	3.56	-5.23
Stage9	3.15	1.89	-4.17
Stage9	2.75	1.03	-2.16
Stage9	2.35	0.63	-1
Stage9	1.95	0.23	-0.99
Stage9	1.55	-0.16	-0.97
Stage9	1.15	-0.53	-0.93
Stage9	0.75	-0.87	-0.85
Stage9	0.35	-1.1	-0.57
Stage9	-0.05	-1.12	-0.04
Stage9	-0.45	-0.85	0.67
Stage9	-0.85	-0.35	1.25
Stage9	-1.25	0.16	1.25
Stage9	-1.45	0.41	1.25
Stage9	-1.85	-0.74	-2.88
Stage9	-2.25	-1.89	-2.88
Stage9	-2.65	-3.05	-2.88
Stage9	-3.05	-2.75	0.73
Stage9	-3.45	1.54	10.74
Stage9	-3.85	2.58	2.6
Stage9	-4.25	2.06	-1.32
Stage9	-4.65	1.18	-2.18
Stage9	-5.05	0.51	-1.69
Stage9	-5.45	0.13	-0.94
Stage9	-5.85	-0.02	-0.37
Stage9	-6.25	-0.04	-0.06
Stage9	-6.65	-0.02	0.05
Stage9	-7.05	0.01	0.06
Stage9	-7.45	0.02	0.04

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	-7.85	0.03	0.01
Stage9	-8.25	0.03	0
Stage9	-8.65	0.02	-0.01
Stage9	-9.05	0.02	-0.01
Stage9	-9.45	0.01	-0.01
Stage9	-9.85	0.01	-0.01
Stage9	-10.25	0.01	0
Stage9	-10.65	0.01	0
Stage9	-11.05	0.01	0
Stage9	-11.45	0.01	0
Stage9	-11.85	0.01	0
Stage9	-12.25	0.01	0
Stage9	-12.65	0.01	0
Stage9	-13.05	0.01	0
Stage9	-13.45	0.01	0
Stage9	-13.85	0	0
Stage9	-14.25	0	0
Stage9	-14.65	0	0
Stage9	-15.05	0	0
Stage9	-15.45	0	0
Stage9	-15.85	0	0
Stage9	-16.25	0	0
Stage9	-16.65	0	0
Stage9	-17.05	0	0
Stage9	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage10

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	15.7	0	-2.71
Stage10	15.35	-0.95	-2.71
Stage10	14.95	12.69	34.1
Stage10	14.55	26.2	33.76
Stage10	14.15	39.09	32.24
Stage10	13.75	50.63	28.84
Stage10	13.35	60.06	23.58
Stage10	12.95	66.64	16.46
Stage10	12.55	69.67	7.57
Stage10	12.15	68.47	-3
Stage10	11.75	62.52	-14.87
Stage10	11.35	51.37	-27.88
Stage10	10.95	34.66	-41.76
Stage10	10.55	12.22	-56.1
Stage10	10.15	-16.24	-71.16
Stage10	9.95	-32.89	-83.25
Stage10	9.55	-17.69	38.01
Stage10	9.15	-9.76	19.81
Stage10	8.75	-9.66	0.24
Stage10	8.35	-9.58	0.22
Stage10	7.95	-9.52	0.13
Stage10	7.55	-9.53	-0.02
Stage10	7.15	-9.63	-0.26
Stage10	6.75	-9.91	-0.68
Stage10	6.35	-10.37	-1.15
Stage10	5.95	-10.89	-1.3
Stage10	5.55	-11.41	-1.3
Stage10	5.15	-11.93	-1.31
Stage10	4.75	-9.84	5.24
Stage10	4.35	-7.75	5.23
Stage10	3.95	-5.65	5.23
Stage10	3.55	-3.56	5.23
Stage10	3.15	-1.9	4.17
Stage10	2.75	-1.04	2.15
Stage10	2.35	-0.63	1.01
Stage10	1.95	-0.23	1.01
Stage10	1.55	0.17	1.01
Stage10	1.15	0.57	0.99
Stage10	0.75	0.94	0.93
Stage10	0.35	1.2	0.64
Stage10	-0.05	1.2	0.01
Stage10	-0.45	0.81	-0.97
Stage10	-0.85	0	-2.02
Stage10	-1.25	-1.05	-2.64
Stage10	-1.45	-1.65	-3.01
Stage10	-1.85	-1.36	0.75
Stage10	-2.25	-1.06	0.75
Stage10	-2.65	-0.76	0.75
Stage10	-3.05	-0.46	0.75
Stage10	-3.45	-0.16	0.75
Stage10	-3.85	0.14	0.75
Stage10	-4.25	0.43	0.75
Stage10	-4.65	0.73	0.75
Stage10	-5.05	1.03	0.75
Stage10	-5.45	1.33	0.75
Stage10	-5.85	1.63	0.75
Stage10	-6.25	1.93	0.75
Stage10	-6.65	2.22	0.75
Stage10	-7.05	2.52	0.75
Stage10	-7.45	2.82	0.75

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	-7.85	2.97	0.37
Stage10	-8.25	2.04	-2.31
Stage10	-8.65	-4.37	-16.04
Stage10	-9.05	-4.76	-0.96
Stage10	-9.45	-3.09	4.17
Stage10	-9.85	-1.42	4.17
Stage10	-10.25	-0.39	2.57
Stage10	-10.65	0.05	1.1
Stage10	-11.05	0.14	0.24
Stage10	-11.45	0.1	-0.11
Stage10	-11.85	0.03	-0.16
Stage10	-12.25	-0.01	-0.11
Stage10	-12.65	-0.03	-0.05
Stage10	-13.05	-0.03	-0.01
Stage10	-13.45	-0.03	0.01
Stage10	-13.85	-0.02	0.01
Stage10	-14.25	-0.02	0.01
Stage10	-14.65	-0.01	0.01
Stage10	-15.05	-0.01	0
Stage10	-15.45	-0.01	0
Stage10	-15.85	-0.01	0
Stage10	-16.25	-0.01	0.01
Stage10	-16.65	0	0.01
Stage10	-17.05	0	0.01
Stage10	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage10

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	15.7	0	2.71
Stage10	15.35	0.95	2.71
Stage10	14.95	-12.69	-34.1
Stage10	14.55	-26.2	-33.76
Stage10	14.15	-39.09	-32.24
Stage10	13.75	-50.63	-28.84
Stage10	13.35	-60.06	-23.58
Stage10	12.95	-66.64	-16.46
Stage10	12.55	-69.67	-7.57
Stage10	12.15	-68.47	3
Stage10	11.75	-62.52	14.87
Stage10	11.35	-51.37	27.88
Stage10	10.95	-34.66	41.76
Stage10	10.55	-12.22	56.1
Stage10	10.15	16.24	71.16
Stage10	9.95	32.89	83.25
Stage10	9.55	17.69	-38.01
Stage10	9.15	9.76	-19.81
Stage10	8.75	9.66	-0.24
Stage10	8.35	9.58	-0.22
Stage10	7.95	9.52	-0.13
Stage10	7.55	9.53	0.02
Stage10	7.15	9.63	0.26
Stage10	6.75	9.91	0.68
Stage10	6.35	10.37	1.15
Stage10	5.95	10.89	1.3
Stage10	5.55	11.41	1.3
Stage10	5.15	11.93	1.31
Stage10	4.75	9.84	-5.24
Stage10	4.35	7.75	-5.23
Stage10	3.95	5.65	-5.23
Stage10	3.55	3.56	-5.23
Stage10	3.15	1.9	-4.17
Stage10	2.75	1.04	-2.15
Stage10	2.35	0.63	-1.01
Stage10	1.95	0.23	-1.01
Stage10	1.55	-0.17	-1.01
Stage10	1.15	-0.57	-0.99
Stage10	0.75	-0.94	-0.93
Stage10	0.35	-1.2	-0.64
Stage10	-0.05	-1.2	-0.01
Stage10	-0.45	-0.81	0.97
Stage10	-0.85	0	2.02
Stage10	-1.25	1.05	2.64
Stage10	-1.45	1.65	3.01
Stage10	-1.85	1.36	-0.75
Stage10	-2.25	1.06	-0.75
Stage10	-2.65	0.76	-0.75
Stage10	-3.05	0.46	-0.75
Stage10	-3.45	0.16	-0.75
Stage10	-3.85	-0.14	-0.75
Stage10	-4.25	-0.43	-0.75
Stage10	-4.65	-0.73	-0.75
Stage10	-5.05	-1.03	-0.75
Stage10	-5.45	-1.33	-0.75
Stage10	-5.85	-1.63	-0.75
Stage10	-6.25	-1.93	-0.75
Stage10	-6.65	-2.22	-0.75
Stage10	-7.05	-2.52	-0.75
Stage10	-7.45	-2.82	-0.75

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	-7.85	-2.97	-0.37
Stage10	-8.25	-2.04	2.31
Stage10	-8.65	4.37	16.04
Stage10	-9.05	4.76	0.96
Stage10	-9.45	3.09	-4.17
Stage10	-9.85	1.42	-4.17
Stage10	-10.25	0.39	-2.57
Stage10	-10.65	-0.05	-1.1
Stage10	-11.05	-0.14	-0.24
Stage10	-11.45	-0.1	0.11
Stage10	-11.85	-0.03	0.16
Stage10	-12.25	0.01	0.11
Stage10	-12.65	0.03	0.05
Stage10	-13.05	0.03	0.01
Stage10	-13.45	0.03	-0.01
Stage10	-13.85	0.02	-0.01
Stage10	-14.25	0.02	-0.01
Stage10	-14.65	0.01	-0.01
Stage10	-15.05	0.01	0
Stage10	-15.45	0.01	0
Stage10	-15.85	0.01	0
Stage10	-16.25	0.01	-0.01
Stage10	-16.65	0	-0.01
Stage10	-17.05	0	-0.01
Stage10	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Scavo NORM.

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	15.7	0	-2.71
Scavo NORM.	15.35	-0.95	-2.71
Scavo NORM.	14.95	12.69	34.1
Scavo NORM.	14.55	26.2	33.76
Scavo NORM.	14.15	39.09	32.24
Scavo NORM.	13.75	50.63	28.84
Scavo NORM.	13.35	60.06	23.58
Scavo NORM.	12.95	66.64	16.46
Scavo NORM.	12.55	69.67	7.57
Scavo NORM.	12.15	68.47	-3
Scavo NORM.	11.75	62.52	-14.87
Scavo NORM.	11.35	51.37	-27.88
Scavo NORM.	10.95	34.66	-41.76
Scavo NORM.	10.55	12.22	-56.1
Scavo NORM.	10.15	-16.24	-71.16
Scavo NORM.	9.95	-32.89	-83.25
Scavo NORM.	9.55	-17.69	38.01
Scavo NORM.	9.15	-9.76	19.81
Scavo NORM.	8.75	-9.66	0.24
Scavo NORM.	8.35	-9.58	0.22
Scavo NORM.	7.95	-9.52	0.13
Scavo NORM.	7.55	-9.53	-0.02
Scavo NORM.	7.15	-9.63	-0.26
Scavo NORM.	6.75	-9.91	-0.68
Scavo NORM.	6.35	-10.37	-1.15
Scavo NORM.	5.95	-10.89	-1.3
Scavo NORM.	5.55	-11.41	-1.3
Scavo NORM.	5.15	-11.93	-1.31
Scavo NORM.	4.75	-9.84	5.24
Scavo NORM.	4.35	-7.75	5.23
Scavo NORM.	3.95	-5.65	5.23
Scavo NORM.	3.55	-3.56	5.23
Scavo NORM.	3.15	-1.9	4.17
Scavo NORM.	2.75	-1.04	2.15
Scavo NORM.	2.35	-0.63	1.01
Scavo NORM.	1.95	-0.23	1.01
Scavo NORM.	1.55	0.17	1.01
Scavo NORM.	1.15	0.57	0.99
Scavo NORM.	0.75	0.94	0.93
Scavo NORM.	0.35	1.2	0.64
Scavo NORM.	-0.05	1.2	0
Scavo NORM.	-0.45	0.81	-0.97
Scavo NORM.	-0.85	0	-2.02
Scavo NORM.	-1.25	-1.06	-2.64
Scavo NORM.	-1.45	-1.66	-3.01
Scavo NORM.	-1.85	-1.35	0.77
Scavo NORM.	-2.25	-1.05	0.77
Scavo NORM.	-2.65	-0.75	0.75
Scavo NORM.	-3.05	-0.45	0.73
Scavo NORM.	-3.45	-0.18	0.7
Scavo NORM.	-3.85	0.08	0.64
Scavo NORM.	-4.25	0.32	0.61
Scavo NORM.	-4.65	0.58	0.64
Scavo NORM.	-5.05	0.84	0.64
Scavo NORM.	-5.45	1.09	0.64
Scavo NORM.	-5.85	1.35	0.64
Scavo NORM.	-6.25	1.6	0.64
Scavo NORM.	-6.65	1.86	0.64
Scavo NORM.	-7.05	2.11	0.64
Scavo NORM.	-7.45	2.37	0.64

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	-7.85	2.63	0.64
Scavo NORM.	-8.25	2.88	0.64
Scavo NORM.	-8.65	2.04	-2.11
Scavo NORM.	-9.05	-4.32	-15.89
Scavo NORM.	-9.45	-4.73	-1.04
Scavo NORM.	-9.85	-3.08	4.12
Scavo NORM.	-10.25	-1.43	4.15
Scavo NORM.	-10.65	-0.4	2.57
Scavo NORM.	-11.05	0.04	1.1
Scavo NORM.	-11.45	0.14	0.24
Scavo NORM.	-11.85	0.09	-0.11
Scavo NORM.	-12.25	0.03	-0.16
Scavo NORM.	-12.65	-0.01	-0.11
Scavo NORM.	-13.05	-0.03	-0.05
Scavo NORM.	-13.45	-0.03	0
Scavo NORM.	-13.85	-0.03	0.01
Scavo NORM.	-14.25	-0.02	0.01
Scavo NORM.	-14.65	-0.02	0.01
Scavo NORM.	-15.05	-0.02	0.01
Scavo NORM.	-15.45	-0.01	0.01
Scavo NORM.	-15.85	-0.01	0
Scavo NORM.	-16.25	-0.01	0.01
Scavo NORM.	-16.65	-0.01	0.01
Scavo NORM.	-17.05	0	0.01
Scavo NORM.	-17.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Scavo NORM.

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	15.7	0	2.71
Scavo NORM.	15.35	0.95	2.71
Scavo NORM.	14.95	-12.69	-34.1
Scavo NORM.	14.55	-26.2	-33.76
Scavo NORM.	14.15	-39.09	-32.24
Scavo NORM.	13.75	-50.63	-28.84
Scavo NORM.	13.35	-60.06	-23.58
Scavo NORM.	12.95	-66.64	-16.46
Scavo NORM.	12.55	-69.67	-7.57
Scavo NORM.	12.15	-68.47	3
Scavo NORM.	11.75	-62.52	14.87
Scavo NORM.	11.35	-51.37	27.88
Scavo NORM.	10.95	-34.66	41.76
Scavo NORM.	10.55	-12.22	56.1
Scavo NORM.	10.15	16.24	71.16
Scavo NORM.	9.95	32.89	83.25
Scavo NORM.	9.55	17.69	-38.01
Scavo NORM.	9.15	9.76	-19.81
Scavo NORM.	8.75	9.66	-0.24
Scavo NORM.	8.35	9.58	-0.22
Scavo NORM.	7.95	9.52	-0.13
Scavo NORM.	7.55	9.53	0.02
Scavo NORM.	7.15	9.63	0.26
Scavo NORM.	6.75	9.91	0.68
Scavo NORM.	6.35	10.37	1.15
Scavo NORM.	5.95	10.89	1.3
Scavo NORM.	5.55	11.41	1.3
Scavo NORM.	5.15	11.93	1.31
Scavo NORM.	4.75	9.84	-5.24
Scavo NORM.	4.35	7.75	-5.23
Scavo NORM.	3.95	5.65	-5.23
Scavo NORM.	3.55	3.56	-5.23
Scavo NORM.	3.15	1.9	-4.17
Scavo NORM.	2.75	1.04	-2.15
Scavo NORM.	2.35	0.63	-1.01
Scavo NORM.	1.95	0.23	-1.01
Scavo NORM.	1.55	-0.17	-1.01
Scavo NORM.	1.15	-0.57	-0.99
Scavo NORM.	0.75	-0.94	-0.93
Scavo NORM.	0.35	-1.2	-0.64
Scavo NORM.	-0.05	-1.2	0
Scavo NORM.	-0.45	-0.81	0.97
Scavo NORM.	-0.85	0	2.02
Scavo NORM.	-1.25	1.06	2.64
Scavo NORM.	-1.45	1.66	3.01
Scavo NORM.	-1.85	1.35	-0.77
Scavo NORM.	-2.25	1.05	-0.77
Scavo NORM.	-2.65	0.75	-0.75
Scavo NORM.	-3.05	0.45	-0.73
Scavo NORM.	-3.45	0.18	-0.7
Scavo NORM.	-3.85	-0.08	-0.64
Scavo NORM.	-4.25	-0.32	-0.61
Scavo NORM.	-4.65	-0.58	-0.64
Scavo NORM.	-5.05	-0.84	-0.64
Scavo NORM.	-5.45	-1.09	-0.64
Scavo NORM.	-5.85	-1.35	-0.64
Scavo NORM.	-6.25	-1.6	-0.64
Scavo NORM.	-6.65	-1.86	-0.64
Scavo NORM.	-7.05	-2.11	-0.64
Scavo NORM.	-7.45	-2.37	-0.64

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

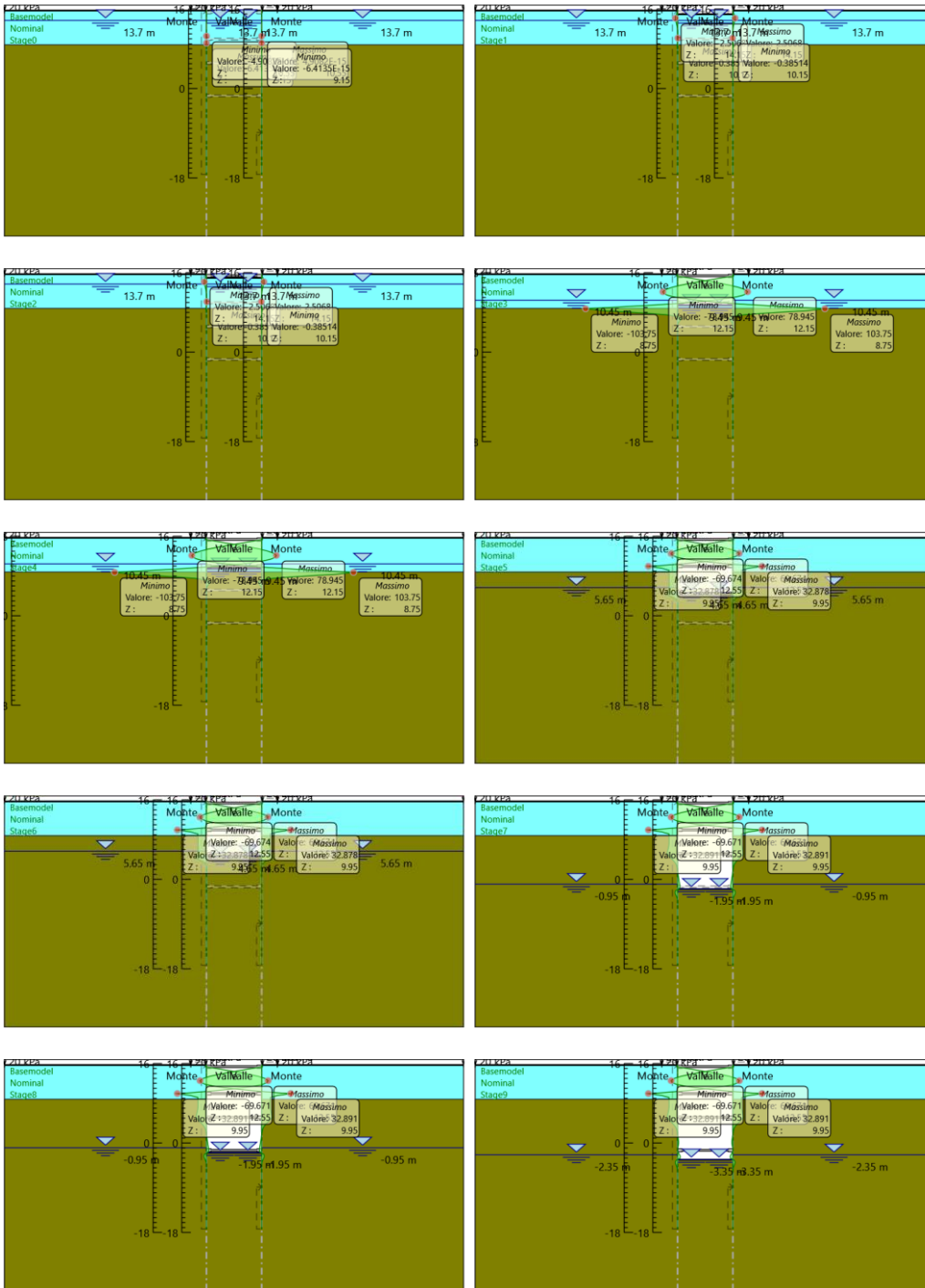
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	-7.85	-2.63	-0.64
Scavo NORM.	-8.25	-2.88	-0.64
Scavo NORM.	-8.65	-2.04	2.11
Scavo NORM.	-9.05	4.32	15.89
Scavo NORM.	-9.45	4.73	1.04
Scavo NORM.	-9.85	3.08	-4.12
Scavo NORM.	-10.25	1.43	-4.15
Scavo NORM.	-10.65	0.4	-2.57
Scavo NORM.	-11.05	-0.04	-1.1
Scavo NORM.	-11.45	-0.14	-0.24
Scavo NORM.	-11.85	-0.09	0.11
Scavo NORM.	-12.25	-0.03	0.16
Scavo NORM.	-12.65	0.01	0.11
Scavo NORM.	-13.05	0.03	0.05
Scavo NORM.	-13.45	0.03	0
Scavo NORM.	-13.85	0.03	-0.01
Scavo NORM.	-14.25	0.02	-0.01
Scavo NORM.	-14.65	0.02	-0.01
Scavo NORM.	-15.05	0.02	-0.01
Scavo NORM.	-15.45	0.01	-0.01
Scavo NORM.	-15.85	0.01	0
Scavo NORM.	-16.25	0.01	-0.01
Scavo NORM.	-16.65	0.01	-0.01
Scavo NORM.	-17.05	0	-0.01
Scavo NORM.	-17.3	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

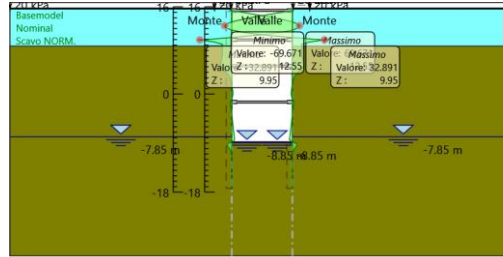
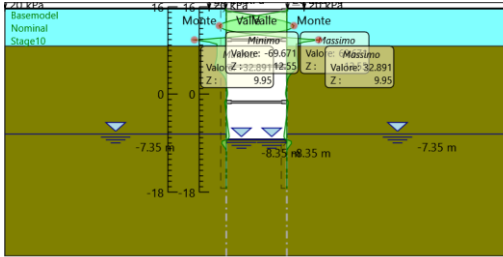
Grafico Momento Nominal



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

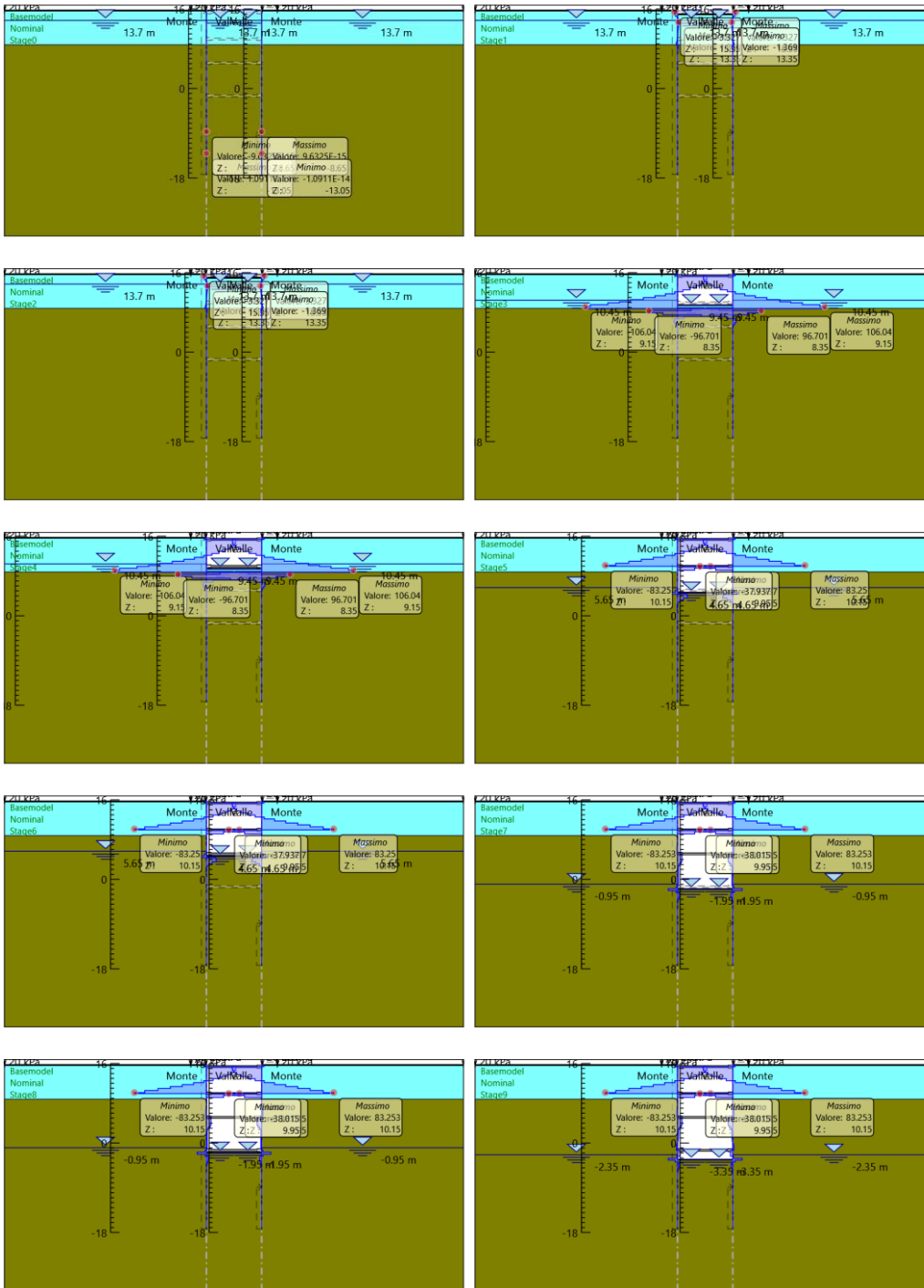


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

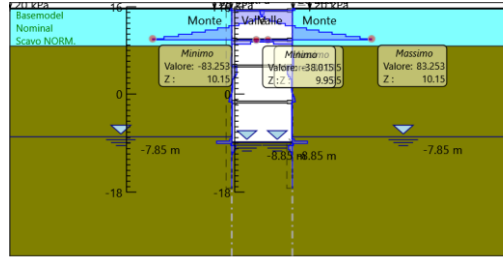
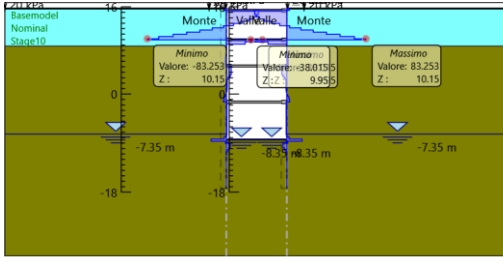
Grafico Taglio Nominal



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Risultati Terreno

Tabella Risultati Terreno Paratia - Nominal - Stage0

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Coazione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C	0.433 2.529	11.2	0	0	0	0
Stage0	15.35	17.456	16.917	V-C	0.433 2.529	11.2	0	0	0	16.917
Stage0	14.95	29.031	21.815	V-C	0.433 2.529	11.2	0	0	0	21.815
Stage0	14.55	38.71	26.606	V-C	0.433 2.529	11.2	0	0	0	26.606
Stage0	14.15	47.458	31.447	V-C	0.433 2.529	11.2	0	0	0	31.447
Stage0	13.75	56.076	36.35	V-C	0.433 2.529	11.2	0	0	0	36.35
Stage0	13.35	61.312	38.986	V-C	0.433 2.529	11.2	3.5	0	0	42.486
Stage0	12.95	65.834	41.34	V-C	0.433 2.529	11.2	7.5	0	0	48.84
Stage0	12.55	70.214	43.733	V-C	0.433 2.529	11.2	11.5	0	0	55.233
Stage0	12.15	73.236	46.158	V-C	0.433 2.529	11.2	15.5	0	0	61.658
Stage0	11.75	76.655	48.606	V-C	0.433 2.529	11.2	19.5	0	0	68.106
Stage0	11.35	80.34	51.074	V-C	0.433 2.529	11.2	23.5	0	0	74.574
Stage0	10.95	84.071	53.556	V-C	0.433 2.529	11.2	27.5	0	0	81.056
Stage0	10.55	87.838	56.048	V-C	0.433 2.529	11.2	31.5	0	0	87.548
Stage0	10.15	91.634	58.55	V-C	0.433 2.529	11.2	35.5	0	0	94.05
Stage0	9.95	93.851	59.803	V-C	0.433 2.529	11.2	37.5	0	0	97.303
Stage0	9.55	97.664	62.315	V-C	0.433 2.529	11.2	41.5	0	0	103.815
Stage0	9.15	101.496	64.831	V-C	0.433 2.529	11.2	45.5	0	0	110.331
Stage0	8.75	105.646	38.096	V-C	0.165 10.98	275.2	49.5	0	0	87.596
Stage0	8.35	111.911	40.114	V-C	0.165 10.98	275.2	53.5	0	0	93.614
Stage0	7.95	118.188	42.136	V-C	0.165 10.98	275.2	57.5	0	0	99.636
Stage0	7.55	124.476	44.16	V-C	0.165 10.98	275.2	61.5	0	0	105.66
Stage0	7.15	130.774	46.186	V-C	0.165 10.98	275.2	65.5	0	0	111.686
Stage0	6.75	137.08	48.214	V-C	0.165 10.98	275.2	69.5	0	0	117.714
Stage0	6.35	143.393	50.244	V-C	0.165 10.98	275.2	73.5	0	0	123.744
Stage0	5.95	149.713	52.276	V-C	0.165 10.98	275.2	77.5	0	0	129.776
Stage0	5.55	156.396	54.309	V-C	0.165 10.98	275.2	81.5	0	0	135.809
Stage0	5.15	162.715	56.345	V-C	0.165 10.98	275.2	85.5	0	0	141.845
Stage0	4.75	169.038	58.381	V-C	0.165 10.98	275.2	89.5	0	0	147.881
Stage0	4.35	175.367	60.419	V-C	0.165 10.98	275.2	93.5	0	0	153.92
Stage0	3.95	181.7	62.459	V-C	0.165 10.98	275.2	97.5	0	0	159.959
Stage0	3.55	188.038	64.5	V-C	0.165 10.98	275.2	101.5	0	0	166
Stage0	3.15	194.379	66.543	V-C	0.165 10.98	275.2	105.5	0	0	172.043
Stage0	2.75	200.724	68.587	V-C	0.165 10.98	275.2	109.5	0	0	178.087
Stage0	2.35	207.072	70.632	V-C	0.165 10.98	275.2	113.5	0	0	184.132
Stage0	1.95	213.422	72.679	V-C	0.165 10.98	275.2	117.5	0	0	190.179
Stage0	1.55	219.775	74.727	V-C	0.165 10.98	275.2	121.5	0	0	196.227
Stage0	1.15	226.131	76.776	V-C	0.165 10.98	275.2	125.5	0	0	202.276
Stage0	0.75	232.733	78.827	V-C	0.165 10.98	275.2	129.5	0	0	208.327
Stage0	0.35	239.087	80.879	V-C	0.165 10.98	275.2	133.5	0	0	214.379
Stage0	-0.05	245.443	82.933	V-C	0.165 10.98	275.2	137.5	0	0	220.433
Stage0	-0.45	251.801	84.988	V-C	0.165 10.98	275.2	141.5	0	0	226.488
Stage0	-0.85	258.161	87.044	V-C	0.165 10.98	275.2	145.5	0	0	232.544
Stage0	-1.25	264.523	89.102	V-C	0.165 10.98	275.2	149.5	0	0	238.602
Stage0	-1.45	267.811	90.131	V-C	0.165 10.98	275.2	151.5	0	0	241.631
Stage0	-1.85	274.173	92.191	V-C	0.165 10.98	275.2	155.5	0	0	247.691
Stage0	-2.25	280.537	94.252	V-C	0.165 10.98	275.2	159.5	0	0	253.752
Stage0	-2.65	286.902	96.314	V-C	0.165 10.98	275.2	163.5	0	0	259.814
Stage0	-3.05	293.269	98.378	V-C	0.165 10.98	275.2	167.5	0	0	265.878
Stage0	-3.45	299.637	100.443	V-C	0.165 10.98	275.2	171.5	0	0	271.943
Stage0	-3.85	306.006	102.51	V-C	0.165 10.98	275.2	175.5	0	0	278.01
Stage0	-4.25	312.376	104.578	V-C	0.165 10.98	275.2	179.5	0	0	284.078
Stage0	-4.65	318.748	106.647	V-C	0.165 10.98	275.2	183.5	0	0	290.147
Stage0	-5.05	325.12	108.717	V-C	0.165 10.98	275.2	187.5	0	0	296.217
Stage0	-5.45	331.494	110.789	V-C	0.165 10.98	275.2	191.5	0	0	302.289
Stage0	-5.85	337.869	112.862	V-C	0.165 10.98	275.2	195.5	0	0	308.362
Stage0	-6.25	344.411	114.936	V-C	0.165 10.98	275.2	199.5	0	0	314.436

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	-6.65	350.784	117.012	V-C	0.165	10.98	275.2	203.5	0	0	320.512
Stage0	-7.05	357.158	119.089	V-C	0.165	10.98	275.2	207.5	0	0	326.589
Stage0	-7.45	363.534	121.167	V-C	0.165	10.98	275.2	211.5	0	0	332.667
Stage0	-7.85	369.91	123.246	V-C	0.165	10.98	275.2	215.5	0	0	338.746
Stage0	-8.25	376.286	125.327	V-C	0.165	10.98	275.2	219.5	0	0	344.827
Stage0	-8.65	382.664	127.409	V-C	0.165	10.98	275.2	223.5	0	0	350.909
Stage0	-9.05	389.042	129.492	V-C	0.165	10.98	275.2	227.5	0	0	356.992
Stage0	-9.45	395.421	131.576	V-C	0.165	10.98	275.2	231.5	0	0	363.076
Stage0	-9.85	401.801	133.662	V-C	0.165	10.98	275.2	235.5	0	0	369.162
Stage0	-10.25	408.181	135.749	V-C	0.165	10.98	275.2	239.5	0	0	375.248
Stage0	-10.65	414.561	137.836	V-C	0.165	10.98	275.2	243.5	0	0	381.336
Stage0	-11.05	421.08	139.925	V-C	0.165	10.98	275.2	247.5	0	0	387.425
Stage0	-11.45	427.46	142.015	V-C	0.165	10.98	275.2	251.5	0	0	393.515
Stage0	-11.85	433.84	144.107	V-C	0.165	10.98	275.2	255.5	0	0	399.607
Stage0	-12.25	440.221	146.199	V-C	0.165	10.98	275.2	259.5	0	0	405.699
Stage0	-12.65	446.602	148.292	V-C	0.165	10.98	275.2	263.5	0	0	411.792
Stage0	-13.05	452.984	150.387	V-C	0.165	10.98	275.2	267.5	0	0	417.887
Stage0	-13.45	459.367	152.482	V-C	0.165	10.98	275.2	271.5	0	0	423.982
Stage0	-13.85	465.75	154.579	V-C	0.165	10.98	275.2	275.5	0	0	430.079
Stage0	-14.25	472.133	156.676	V-C	0.165	10.98	275.2	279.5	0	0	436.176
Stage0	-14.65	478.517	158.775	V-C	0.165	10.98	275.2	283.5	0	0	442.275
Stage0	-15.05	484.901	160.874	V-C	0.165	10.98	275.2	287.5	0	0	448.374
Stage0	-15.45	491.404	162.975	V-C	0.165	10.98	275.2	291.5	0	0	454.475
Stage0	-15.85	497.787	165.076	V-C	0.165	10.98	275.2	295.5	0	0	460.576
Stage0	-16.25	504.171	167.179	V-C	0.165	10.98	275.2	299.5	0	0	466.679
Stage0	-16.65	510.555	169.282	V-C	0.165	10.98	275.2	303.5	0	0	472.782
Stage0	-17.05	516.94	171.386	V-C	0.165	10.98	275.2	307.5	0	0	478.886
Stage0	-17.3	520.972	172.702	V-C	0.165	10.98	275.2	310	0	0	482.702

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT			
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0
Stage0	15.35	7	16.917	V-C	0.433	2.529	11.2	0	0	16.917
Stage0	14.95	15	21.815	V-C	0.433	2.529	11.2	0	0	21.815
Stage0	14.55	23	26.606	V-C	0.433	2.529	11.2	0	0	26.606
Stage0	14.15	31	31.447	V-C	0.433	2.529	11.2	0	0	31.447
Stage0	13.75	39	36.35	V-C	0.433	2.529	11.2	0	0	36.35
Stage0	13.35	43.5	38.986	V-C	0.433	2.529	11.2	3.5	0	42.486
Stage0	12.95	47.5	41.34	V-C	0.433	2.529	11.2	7.5	0	48.84
Stage0	12.55	51.5	43.733	V-C	0.433	2.529	11.2	11.5	0	55.233
Stage0	12.15	55.5	46.158	V-C	0.433	2.529	11.2	15.5	0	61.658
Stage0	11.75	59.5	48.606	V-C	0.433	2.529	11.2	19.5	0	68.106
Stage0	11.35	63.5	51.074	V-C	0.433	2.529	11.2	23.5	0	74.574
Stage0	10.95	67.5	53.556	V-C	0.433	2.529	11.2	27.5	0	81.056
Stage0	10.55	71.5	56.048	V-C	0.433	2.529	11.2	31.5	0	87.548
Stage0	10.15	75.5	58.55	V-C	0.433	2.529	11.2	35.5	0	94.05
Stage0	9.95	77.5	59.803	V-C	0.433	2.529	11.2	37.5	0	97.303
Stage0	9.55	81.5	62.315	V-C	0.433	2.529	11.2	41.5	0	103.815
Stage0	9.15	85.5	64.831	V-C	0.433	2.529	11.2	45.5	0	110.331
Stage0	8.75	89.8	38.096	V-C	0.165	10.98	275.2	49.5	0	87.596
Stage0	8.35	96.2	40.114	V-C	0.165	10.98	275.2	53.5	0	93.614
Stage0	7.95	102.6	42.136	V-C	0.165	10.98	275.2	57.5	0	99.636
Stage0	7.55	109	44.16	V-C	0.165	10.98	275.2	61.5	0	105.66
Stage0	7.15	115.4	46.186	V-C	0.165	10.98	275.2	65.5	0	111.686
Stage0	6.75	121.8	48.214	V-C	0.165	10.98	275.2	69.5	0	117.714
Stage0	6.35	128.2	50.244	V-C	0.165	10.98	275.2	73.5	0	123.744
Stage0	5.95	134.6	52.276	V-C	0.165	10.98	275.2	77.5	0	129.776
Stage0	5.55	141	54.309	V-C	0.165	10.98	275.2	81.5	0	135.809
Stage0	5.15	147.4	56.345	V-C	0.165	10.98	275.2	85.5	0	141.845
Stage0	4.75	153.8	58.381	V-C	0.165	10.98	275.2	89.5	0	147.881
Stage0	4.35	160.2	60.419	V-C	0.165	10.98	275.2	93.5	0	153.92
Stage0	3.95	166.6	62.459	V-C	0.165	10.98	275.2	97.5	0	159.959
Stage0	3.55	173	64.5	V-C	0.165	10.98	275.2	101.5	0	166
Stage0	3.15	179.4	66.543	V-C	0.165	10.98	275.2	105.5	0	172.043
Stage0	2.75	185.8	68.587	V-C	0.165	10.98	275.2	109.5	0	178.087
Stage0	2.35	192.2	70.632	V-C	0.165	10.98	275.2	113.5	0	184.132
Stage0	1.95	198.6	72.679	V-C	0.165	10.98	275.2	117.5	0	190.179
Stage0	1.55	205	74.727	V-C	0.165	10.98	275.2	121.5	0	196.227
Stage0	1.15	211.4	76.776	V-C	0.165	10.98	275.2	125.5	0	202.276
Stage0	0.75	217.8	78.827	V-C	0.165	10.98	275.2	129.5	0	208.327
Stage0	0.35	224.2	80.879	V-C	0.165	10.98	275.2	133.5	0	214.379
Stage0	-0.05	230.6	82.933	V-C	0.165	10.98	275.2	137.5	0	220.433
Stage0	-0.45	237	84.988	V-C	0.165	10.98	275.2	141.5	0	226.488
Stage0	-0.85	243.4	87.044	V-C	0.165	10.98	275.2	145.5	0	232.544
Stage0	-1.25	249.8	89.102	V-C	0.165	10.98	275.2	149.5	0	238.602
Stage0	-1.45	253	90.131	V-C	0.165	10.98	275.2	151.5	0	241.631
Stage0	-1.85	259.4	92.191	V-C	0.165	10.98	275.2	155.5	0	247.691
Stage0	-2.25	265.8	94.252	V-C	0.165	10.98	275.2	159.5	0	253.752
Stage0	-2.65	272.2	96.314	V-C	0.165	10.98	275.2	163.5	0	259.814
Stage0	-3.05	278.6	98.378	V-C	0.165	10.98	275.2	167.5	0	265.878
Stage0	-3.45	285	100.443	V-C	0.165	10.98	275.2	171.5	0	271.943
Stage0	-3.85	291.4	102.51	V-C	0.165	10.98	275.2	175.5	0	278.01
Stage0	-4.25	297.8	104.578	V-C	0.165	10.98	275.2	179.5	0	284.078
Stage0	-4.65	304.2	106.647	V-C	0.165	10.98	275.2	183.5	0	290.147
Stage0	-5.05	310.6	108.717	V-C	0.165	10.98	275.2	187.5	0	296.217
Stage0	-5.45	317	110.789	V-C	0.165	10.98	275.2	191.5	0	302.289
Stage0	-5.85	323.4	112.862	V-C	0.165	10.98	275.2	195.5	0	308.362
Stage0	-6.25	329.8	114.936	V-C	0.165	10.98	275.2	199.5	0	314.436
Stage0	-6.65	336.2	117.012	V-C	0.165	10.98	275.2	203.5	0	320.512
Stage0	-7.05	342.6	119.089	V-C	0.165	10.98	275.2	207.5	0	326.589
Stage0	-7.45	349	121.167	V-C	0.165	10.98	275.2	211.5	0	332.667
Stage0	-7.85	355.4	123.246	V-C	0.165	10.98	275.2	215.5	0	338.746
Stage0	-8.25	361.8	125.327	V-C	0.165	10.98	275.2	219.5	0	344.827
Stage0	-8.65	368.2	127.409	V-C	0.165	10.98	275.2	223.5	0	350.909

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		RIGHT				
			LEFT	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	-9.05	374.6	129.492	V-C	0.165	10.98	275.2	227.5	0	0	356.992
Stage0	-9.45	381	131.576	V-C	0.165	10.98	275.2	231.5	0	0	363.076
Stage0	-9.85	387.4	133.662	V-C	0.165	10.98	275.2	235.5	0	0	369.162
Stage0	-10.25	393.8	135.749	V-C	0.165	10.98	275.2	239.5	0	0	375.248
Stage0	-10.65	400.2	137.836	V-C	0.165	10.98	275.2	243.5	0	0	381.336
Stage0	-11.05	406.6	139.925	V-C	0.165	10.98	275.2	247.5	0	0	387.425
Stage0	-11.45	413	142.015	V-C	0.165	10.98	275.2	251.5	0	0	393.515
Stage0	-11.85	419.4	144.107	V-C	0.165	10.98	275.2	255.5	0	0	399.607
Stage0	-12.25	425.8	146.199	V-C	0.165	10.98	275.2	259.5	0	0	405.699
Stage0	-12.65	432.2	148.292	V-C	0.165	10.98	275.2	263.5	0	0	411.792
Stage0	-13.05	438.6	150.387	V-C	0.165	10.98	275.2	267.5	0	0	417.887
Stage0	-13.45	445	152.482	V-C	0.165	10.98	275.2	271.5	0	0	423.982
Stage0	-13.85	451.4	154.579	V-C	0.165	10.98	275.2	275.5	0	0	430.079
Stage0	-14.25	457.8	156.676	V-C	0.165	10.98	275.2	279.5	0	0	436.176
Stage0	-14.65	464.2	158.775	V-C	0.165	10.98	275.2	283.5	0	0	442.275
Stage0	-15.05	470.6	160.874	V-C	0.165	10.98	275.2	287.5	0	0	448.374
Stage0	-15.45	477	162.975	V-C	0.165	10.98	275.2	291.5	0	0	454.475
Stage0	-15.85	483.4	165.076	V-C	0.165	10.98	275.2	295.5	0	0	460.576
Stage0	-16.25	489.8	167.179	V-C	0.165	10.98	275.2	299.5	0	0	466.679
Stage0	-16.65	496.2	169.282	V-C	0.165	10.98	275.2	303.5	0	0	472.782
Stage0	-17.05	502.6	171.386	V-C	0.165	10.98	275.2	307.5	0	0	478.886
Stage0	-17.3	506.6	172.702	V-C	0.165	10.98	275.2	310	0	0	482.702

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage0

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0	0
Stage0	15.35	7	16.917	V-C	0.433	2.529	11.2	0	0	0	16.917
Stage0	14.95	15	21.815	V-C	0.433	2.529	11.2	0	0	0	21.815
Stage0	14.55	23	26.606	V-C	0.433	2.529	11.2	0	0	0	26.606
Stage0	14.15	31	31.447	V-C	0.433	2.529	11.2	0	0	0	31.447
Stage0	13.75	39	36.35	V-C	0.433	2.529	11.2	0	0	0	36.35
Stage0	13.35	43.5	38.986	V-C	0.433	2.529	11.2	3.5	0	0	42.486
Stage0	12.95	47.5	41.34	V-C	0.433	2.529	11.2	7.5	0	0	48.84
Stage0	12.55	51.5	43.733	V-C	0.433	2.529	11.2	11.5	0	0	55.233
Stage0	12.15	55.5	46.158	V-C	0.433	2.529	11.2	15.5	0	0	61.658
Stage0	11.75	59.5	48.606	V-C	0.433	2.529	11.2	19.5	0	0	68.106
Stage0	11.35	63.5	51.074	V-C	0.433	2.529	11.2	23.5	0	0	74.574
Stage0	10.95	67.5	53.556	V-C	0.433	2.529	11.2	27.5	0	0	81.056
Stage0	10.55	71.5	56.048	V-C	0.433	2.529	11.2	31.5	0	0	87.548
Stage0	10.15	75.5	58.55	V-C	0.433	2.529	11.2	35.5	0	0	94.05
Stage0	9.95	77.5	59.803	V-C	0.433	2.529	11.2	37.5	0	0	97.303
Stage0	9.55	81.5	62.315	V-C	0.433	2.529	11.2	41.5	0	0	103.815
Stage0	9.15	85.5	64.831	V-C	0.433	2.529	11.2	45.5	0	0	110.331
Stage0	8.75	89.8	38.096	V-C	0.165	10.98	275.2	49.5	0	0	87.596
Stage0	8.35	96.2	40.114	V-C	0.165	10.98	275.2	53.5	0	0	93.614
Stage0	7.95	102.6	42.136	V-C	0.165	10.98	275.2	57.5	0	0	99.636
Stage0	7.55	109	44.16	V-C	0.165	10.98	275.2	61.5	0	0	105.66
Stage0	7.15	115.4	46.186	V-C	0.165	10.98	275.2	65.5	0	0	111.686
Stage0	6.75	121.8	48.214	V-C	0.165	10.98	275.2	69.5	0	0	117.714
Stage0	6.35	128.2	50.244	V-C	0.165	10.98	275.2	73.5	0	0	123.744
Stage0	5.95	134.6	52.276	V-C	0.165	10.98	275.2	77.5	0	0	129.776
Stage0	5.55	141	54.309	V-C	0.165	10.98	275.2	81.5	0	0	135.809
Stage0	5.15	147.4	56.345	V-C	0.165	10.98	275.2	85.5	0	0	141.845
Stage0	4.75	153.8	58.381	V-C	0.165	10.98	275.2	89.5	0	0	147.881
Stage0	4.35	160.2	60.419	V-C	0.165	10.98	275.2	93.5	0	0	153.92
Stage0	3.95	166.6	62.459	V-C	0.165	10.98	275.2	97.5	0	0	159.959
Stage0	3.55	173	64.5	V-C	0.165	10.98	275.2	101.5	0	0	166
Stage0	3.15	179.4	66.543	V-C	0.165	10.98	275.2	105.5	0	0	172.043
Stage0	2.75	185.8	68.587	V-C	0.165	10.98	275.2	109.5	0	0	178.087
Stage0	2.35	192.2	70.632	V-C	0.165	10.98	275.2	113.5	0	0	184.132
Stage0	1.95	198.6	72.679	V-C	0.165	10.98	275.2	117.5	0	0	190.179
Stage0	1.55	205	74.727	V-C	0.165	10.98	275.2	121.5	0	0	196.227
Stage0	1.15	211.4	76.776	V-C	0.165	10.98	275.2	125.5	0	0	202.276
Stage0	0.75	217.8	78.827	V-C	0.165	10.98	275.2	129.5	0	0	208.327
Stage0	0.35	224.2	80.879	V-C	0.165	10.98	275.2	133.5	0	0	214.379
Stage0	-0.05	230.6	82.933	V-C	0.165	10.98	275.2	137.5	0	0	220.433
Stage0	-0.45	237	84.988	V-C	0.165	10.98	275.2	141.5	0	0	226.488
Stage0	-0.85	243.4	87.044	V-C	0.165	10.98	275.2	145.5	0	0	232.544
Stage0	-1.25	249.8	89.102	V-C	0.165	10.98	275.2	149.5	0	0	238.602
Stage0	-1.45	253	90.131	V-C	0.165	10.98	275.2	151.5	0	0	241.631
Stage0	-1.85	259.4	92.191	V-C	0.165	10.98	275.2	155.5	0	0	247.691
Stage0	-2.25	265.8	94.252	V-C	0.165	10.98	275.2	159.5	0	0	253.752
Stage0	-2.65	272.2	96.314	V-C	0.165	10.98	275.2	163.5	0	0	259.814
Stage0	-3.05	278.6	98.378	V-C	0.165	10.98	275.2	167.5	0	0	265.878
Stage0	-3.45	285	100.443	V-C	0.165	10.98	275.2	171.5	0	0	271.943
Stage0	-3.85	291.4	102.51	V-C	0.165	10.98	275.2	175.5	0	0	278.01
Stage0	-4.25	297.8	104.578	V-C	0.165	10.98	275.2	179.5	0	0	284.078
Stage0	-4.65	304.2	106.647	V-C	0.165	10.98	275.2	183.5	0	0	290.147
Stage0	-5.05	310.6	108.717	V-C	0.165	10.98	275.2	187.5	0	0	296.217
Stage0	-5.45	317	110.789	V-C	0.165	10.98	275.2	191.5	0	0	302.289
Stage0	-5.85	323.4	112.862	V-C	0.165	10.98	275.2	195.5	0	0	308.362
Stage0	-6.25	329.8	114.936	V-C	0.165	10.98	275.2	199.5	0	0	314.436
Stage0	-6.65	336.2	117.012	V-C	0.165	10.98	275.2	203.5	0	0	320.512
Stage0	-7.05	342.6	119.089	V-C	0.165	10.98	275.2	207.5	0	0	326.589
Stage0	-7.45	349	121.167	V-C	0.165	10.98	275.2	211.5	0	0	332.667

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp	LEFT				
Stage0	-7.85	355.4	123.246	V-C	0.165	10.98	275.2	215.5	0	0	338.746
Stage0	-8.25	361.8	125.327	V-C	0.165	10.98	275.2	219.5	0	0	344.827
Stage0	-8.65	368.2	127.409	V-C	0.165	10.98	275.2	223.5	0	0	350.909
Stage0	-9.05	374.6	129.492	V-C	0.165	10.98	275.2	227.5	0	0	356.992
Stage0	-9.45	381	131.576	V-C	0.165	10.98	275.2	231.5	0	0	363.076
Stage0	-9.85	387.4	133.662	V-C	0.165	10.98	275.2	235.5	0	0	369.162
Stage0	-10.25	393.8	135.749	V-C	0.165	10.98	275.2	239.5	0	0	375.248
Stage0	-10.65	400.2	137.836	V-C	0.165	10.98	275.2	243.5	0	0	381.336
Stage0	-11.05	406.6	139.925	V-C	0.165	10.98	275.2	247.5	0	0	387.425
Stage0	-11.45	413	142.015	V-C	0.165	10.98	275.2	251.5	0	0	393.515
Stage0	-11.85	419.4	144.107	V-C	0.165	10.98	275.2	255.5	0	0	399.607
Stage0	-12.25	425.8	146.199	V-C	0.165	10.98	275.2	259.5	0	0	405.699
Stage0	-12.65	432.2	148.292	V-C	0.165	10.98	275.2	263.5	0	0	411.792
Stage0	-13.05	438.6	150.387	V-C	0.165	10.98	275.2	267.5	0	0	417.887
Stage0	-13.45	445	152.482	V-C	0.165	10.98	275.2	271.5	0	0	423.982
Stage0	-13.85	451.4	154.579	V-C	0.165	10.98	275.2	275.5	0	0	430.079
Stage0	-14.25	457.8	156.676	V-C	0.165	10.98	275.2	279.5	0	0	436.176
Stage0	-14.65	464.2	158.775	V-C	0.165	10.98	275.2	283.5	0	0	442.275
Stage0	-15.05	470.6	160.874	V-C	0.165	10.98	275.2	287.5	0	0	448.374
Stage0	-15.45	477	162.975	V-C	0.165	10.98	275.2	291.5	0	0	454.475
Stage0	-15.85	483.4	165.076	V-C	0.165	10.98	275.2	295.5	0	0	460.576
Stage0	-16.25	489.8	167.179	V-C	0.165	10.98	275.2	299.5	0	0	466.679
Stage0	-16.65	496.2	169.282	V-C	0.165	10.98	275.2	303.5	0	0	472.782
Stage0	-17.05	502.6	171.386	V-C	0.165	10.98	275.2	307.5	0	0	478.886
Stage0	-17.3	506.6	172.702	V-C	0.165	10.98	275.2	310	0	0	482.702

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro: RIGHT	Lato RIGHT						
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0
Stage0	15.35	17.456	16.917	V-C	0.433	2.529	11.2	0	0	16.917
Stage0	14.95	29.031	21.815	V-C	0.433	2.529	11.2	0	0	21.815
Stage0	14.55	38.71	26.606	V-C	0.433	2.529	11.2	0	0	26.606
Stage0	14.15	47.458	31.447	V-C	0.433	2.529	11.2	0	0	31.447
Stage0	13.75	56.076	36.35	V-C	0.433	2.529	11.2	0	0	36.35
Stage0	13.35	61.312	38.986	V-C	0.433	2.529	11.2	3.5	0	42.486
Stage0	12.95	65.834	41.34	V-C	0.433	2.529	11.2	7.5	0	48.84
Stage0	12.55	70.214	43.733	V-C	0.433	2.529	11.2	11.5	0	55.233
Stage0	12.15	73.236	46.158	V-C	0.433	2.529	11.2	15.5	0	61.658
Stage0	11.75	76.655	48.606	V-C	0.433	2.529	11.2	19.5	0	68.106
Stage0	11.35	80.34	51.074	V-C	0.433	2.529	11.2	23.5	0	74.574
Stage0	10.95	84.071	53.556	V-C	0.433	2.529	11.2	27.5	0	81.056
Stage0	10.55	87.838	56.048	V-C	0.433	2.529	11.2	31.5	0	87.548
Stage0	10.15	91.634	58.55	V-C	0.433	2.529	11.2	35.5	0	94.05
Stage0	9.95	93.851	59.803	V-C	0.433	2.529	11.2	37.5	0	97.303
Stage0	9.55	97.664	62.315	V-C	0.433	2.529	11.2	41.5	0	103.815
Stage0	9.15	101.496	64.831	V-C	0.433	2.529	11.2	45.5	0	110.331
Stage0	8.75	105.646	38.096	V-C	0.165	10.98	275.2	49.5	0	87.596
Stage0	8.35	111.911	40.114	V-C	0.165	10.98	275.2	53.5	0	93.614
Stage0	7.95	118.188	42.136	V-C	0.165	10.98	275.2	57.5	0	99.636
Stage0	7.55	124.476	44.16	V-C	0.165	10.98	275.2	61.5	0	105.66
Stage0	7.15	130.774	46.186	V-C	0.165	10.98	275.2	65.5	0	111.686
Stage0	6.75	137.08	48.214	V-C	0.165	10.98	275.2	69.5	0	117.714
Stage0	6.35	143.393	50.244	V-C	0.165	10.98	275.2	73.5	0	123.744
Stage0	5.95	149.713	52.276	V-C	0.165	10.98	275.2	77.5	0	129.776
Stage0	5.55	156.396	54.309	V-C	0.165	10.98	275.2	81.5	0	135.809
Stage0	5.15	162.715	56.345	V-C	0.165	10.98	275.2	85.5	0	141.845
Stage0	4.75	169.038	58.381	V-C	0.165	10.98	275.2	89.5	0	147.881
Stage0	4.35	175.367	60.419	V-C	0.165	10.98	275.2	93.5	0	153.92
Stage0	3.95	181.7	62.459	V-C	0.165	10.98	275.2	97.5	0	159.959
Stage0	3.55	188.038	64.5	V-C	0.165	10.98	275.2	101.5	0	166
Stage0	3.15	194.379	66.543	V-C	0.165	10.98	275.2	105.5	0	172.043
Stage0	2.75	200.724	68.587	V-C	0.165	10.98	275.2	109.5	0	178.087
Stage0	2.35	207.072	70.632	V-C	0.165	10.98	275.2	113.5	0	184.132
Stage0	1.95	213.422	72.679	V-C	0.165	10.98	275.2	117.5	0	190.179
Stage0	1.55	219.775	74.727	V-C	0.165	10.98	275.2	121.5	0	196.227
Stage0	1.15	226.131	76.776	V-C	0.165	10.98	275.2	125.5	0	202.276
Stage0	0.75	232.733	78.827	V-C	0.165	10.98	275.2	129.5	0	208.327
Stage0	0.35	239.087	80.879	V-C	0.165	10.98	275.2	133.5	0	214.379
Stage0	-0.05	245.443	82.933	V-C	0.165	10.98	275.2	137.5	0	220.433
Stage0	-0.45	251.801	84.988	V-C	0.165	10.98	275.2	141.5	0	226.488
Stage0	-0.85	258.161	87.044	V-C	0.165	10.98	275.2	145.5	0	232.544
Stage0	-1.25	264.523	89.102	V-C	0.165	10.98	275.2	149.5	0	238.602
Stage0	-1.45	267.811	90.131	V-C	0.165	10.98	275.2	151.5	0	241.631
Stage0	-1.85	274.173	92.191	V-C	0.165	10.98	275.2	155.5	0	247.691
Stage0	-2.25	280.537	94.252	V-C	0.165	10.98	275.2	159.5	0	253.752
Stage0	-2.65	286.902	96.314	V-C	0.165	10.98	275.2	163.5	0	259.814
Stage0	-3.05	293.269	98.378	V-C	0.165	10.98	275.2	167.5	0	265.878
Stage0	-3.45	299.637	100.443	V-C	0.165	10.98	275.2	171.5	0	271.943
Stage0	-3.85	306.006	102.51	V-C	0.165	10.98	275.2	175.5	0	278.01
Stage0	-4.25	312.376	104.578	V-C	0.165	10.98	275.2	179.5	0	284.078
Stage0	-4.65	318.748	106.647	V-C	0.165	10.98	275.2	183.5	0	290.147
Stage0	-5.05	325.12	108.717	V-C	0.165	10.98	275.2	187.5	0	296.217
Stage0	-5.45	331.494	110.789	V-C	0.165	10.98	275.2	191.5	0	302.289
Stage0	-5.85	337.869	112.862	V-C	0.165	10.98	275.2	195.5	0	308.362
Stage0	-6.25	344.411	114.936	V-C	0.165	10.98	275.2	199.5	0	314.436
Stage0	-6.65	350.784	117.012	V-C	0.165	10.98	275.2	203.5	0	320.512
Stage0	-7.05	357.158	119.089	V-C	0.165	10.98	275.2	207.5	0	326.589
Stage0	-7.45	363.534	121.167	V-C	0.165	10.98	275.2	211.5	0	332.667
Stage0	-7.85	369.91	123.246	V-C	0.165	10.98	275.2	215.5	0	338.746
Stage0	-8.25	376.286	125.327	V-C	0.165	10.98	275.2	219.5	0	344.827
Stage0	-8.65	382.664	127.409	V-C	0.165	10.98	275.2	223.5	0	350.909

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: RIGHT			Lato RIGHT			Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)				
Stage0	-9.05	389.042	129.492	V-C	0.165	10.98	275.2	227.5	0	0	356.992
Stage0	-9.45	395.421	131.576	V-C	0.165	10.98	275.2	231.5	0	0	363.076
Stage0	-9.85	401.801	133.662	V-C	0.165	10.98	275.2	235.5	0	0	369.162
Stage0	-10.25	408.181	135.749	V-C	0.165	10.98	275.2	239.5	0	0	375.248
Stage0	-10.65	414.561	137.836	V-C	0.165	10.98	275.2	243.5	0	0	381.336
Stage0	-11.05	421.08	139.925	V-C	0.165	10.98	275.2	247.5	0	0	387.425
Stage0	-11.45	427.46	142.015	V-C	0.165	10.98	275.2	251.5	0	0	393.515
Stage0	-11.85	433.84	144.107	V-C	0.165	10.98	275.2	255.5	0	0	399.607
Stage0	-12.25	440.221	146.199	V-C	0.165	10.98	275.2	259.5	0	0	405.699
Stage0	-12.65	446.602	148.292	V-C	0.165	10.98	275.2	263.5	0	0	411.792
Stage0	-13.05	452.984	150.387	V-C	0.165	10.98	275.2	267.5	0	0	417.887
Stage0	-13.45	459.367	152.482	V-C	0.165	10.98	275.2	271.5	0	0	423.982
Stage0	-13.85	465.75	154.579	V-C	0.165	10.98	275.2	275.5	0	0	430.079
Stage0	-14.25	472.133	156.676	V-C	0.165	10.98	275.2	279.5	0	0	436.176
Stage0	-14.65	478.517	158.775	V-C	0.165	10.98	275.2	283.5	0	0	442.275
Stage0	-15.05	484.901	160.874	V-C	0.165	10.98	275.2	287.5	0	0	448.374
Stage0	-15.45	491.404	162.975	V-C	0.165	10.98	275.2	291.5	0	0	454.475
Stage0	-15.85	497.787	165.076	V-C	0.165	10.98	275.2	295.5	0	0	460.576
Stage0	-16.25	504.171	167.179	V-C	0.165	10.98	275.2	299.5	0	0	466.679
Stage0	-16.65	510.555	169.282	V-C	0.165	10.98	275.2	303.5	0	0	472.782
Stage0	-17.05	516.94	171.386	V-C	0.165	10.98	275.2	307.5	0	0	478.886
Stage0	-17.3	520.972	172.702	V-C	0.165	10.98	275.2	310	0	0	482.702

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

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Tabella Risultati Terreno Paratia - Nominal - Stage1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage1	15.7	0	0	ACTIVE	0.433	2.529	11.2	0	0	0	0
Stage1	15.35	17.456	8.872	UL-RL	0.433	2.529	11.2	0	0	0	8.872
Stage1	14.95	29.031	15.772	UL-RL	0.433	2.529	11.2	0	0	0	15.772
Stage1	14.55	38.71	22.346	UL-RL	0.433	2.529	11.2	0	0	0	22.346
Stage1	14.15	47.458	28.591	UL-RL	0.433	2.529	11.2	0	0	0	28.591
Stage1	13.75	56.076	34.478	UL-RL	0.433	2.529	11.2	0	0	0	34.478
Stage1	13.35	61.312	37.725	UL-RL	0.433	2.529	11.2	3.5	0	0	41.225
Stage1	12.95	65.834	40.399	UL-RL	0.433	2.529	11.2	7.5	0	0	47.899
Stage1	12.55	70.214	42.915	UL-RL	0.433	2.529	11.2	11.5	0	0	54.415
Stage1	12.15	73.236	45.346	UL-RL	0.433	2.529	11.2	15.5	0	0	60.846
Stage1	11.75	76.655	47.75	UL-RL	0.433	2.529	11.2	19.5	0	0	67.25
Stage1	11.35	80.34	50.17	UL-RL	0.433	2.529	11.2	23.5	0	0	73.67
Stage1	10.95	84.071	52.635	UL-RL	0.433	2.529	11.2	27.5	0	0	80.135
Stage1	10.55	87.838	55.164	UL-RL	0.433	2.529	11.2	31.5	0	0	86.664
Stage1	10.15	91.634	57.766	UL-RL	0.433	2.529	11.2	35.5	0	0	93.266
Stage1	9.95	93.851	59.094	UL-RL	0.433	2.529	11.2	37.5	0	0	96.594
Stage1	9.55	97.664	61.796	UL-RL	0.433	2.529	11.2	41.5	0	0	103.296
Stage1	9.15	101.496	64.531	UL-RL	0.433	2.529	11.2	45.5	0	0	110.031
Stage1	8.75	105.646	32.058	UL-RL	0.165	10.98	275.2	49.5	0	0	81.558
Stage1	8.35	111.911	38.415	UL-RL	0.165	10.98	275.2	53.5	0	0	91.915
Stage1	7.95	118.188	41.139	UL-RL	0.165	10.98	275.2	57.5	0	0	98.639
Stage1	7.55	124.476	42.764	UL-RL	0.165	10.98	275.2	61.5	0	0	104.264
Stage1	7.15	130.774	44.434	UL-RL	0.165	10.98	275.2	65.5	0	0	109.934
Stage1	6.75	137.08	46.334	UL-RL	0.165	10.98	275.2	69.5	0	0	115.834
Stage1	6.35	143.393	48.359	UL-RL	0.165	10.98	275.2	73.5	0	0	121.859
Stage1	5.95	149.713	50.413	UL-RL	0.165	10.98	275.2	77.5	0	0	127.913
Stage1	5.55	156.396	52.462	UL-RL	0.165	10.98	275.2	81.5	0	0	133.962
Stage1	5.15	162.715	54.503	UL-RL	0.165	10.98	275.2	85.5	0	0	140.003
Stage1	4.75	169.038	56.542	UL-RL	0.165	10.98	275.2	89.5	0	0	146.042
Stage1	4.35	175.367	58.581	UL-RL	0.165	10.98	275.2	93.5	0	0	152.081
Stage1	3.95	181.7	60.622	UL-RL	0.165	10.98	275.2	97.5	0	0	158.122
Stage1	3.55	188.038	62.665	UL-RL	0.165	10.98	275.2	101.5	0	0	164.164
Stage1	3.15	194.379	64.709	UL-RL	0.165	10.98	275.2	105.5	0	0	170.209
Stage1	2.75	200.724	66.754	UL-RL	0.165	10.98	275.2	109.5	0	0	176.254
Stage1	2.35	207.072	68.801	UL-RL	0.165	10.98	275.2	113.5	0	0	182.301
Stage1	1.95	213.422	70.848	UL-RL	0.165	10.98	275.2	117.5	0	0	188.348
Stage1	1.55	219.775	72.898	UL-RL	0.165	10.98	275.2	121.5	0	0	194.398
Stage1	1.15	226.131	74.948	UL-RL	0.165	10.98	275.2	125.5	0	0	200.448
Stage1	0.75	232.733	77	UL-RL	0.165	10.98	275.2	129.5	0	0	206.5
Stage1	0.35	239.087	79.053	UL-RL	0.165	10.98	275.2	133.5	0	0	212.553
Stage1	-0.05	245.443	81.108	UL-RL	0.165	10.98	275.2	137.5	0	0	218.608
Stage1	-0.45	251.801	83.164	UL-RL	0.165	10.98	275.2	141.5	0	0	224.664
Stage1	-0.85	258.161	85.221	UL-RL	0.165	10.98	275.2	145.5	0	0	230.721
Stage1	-1.25	264.523	87.279	UL-RL	0.165	10.98	275.2	149.5	0	0	236.779
Stage1	-1.45	267.811	88.309	UL-RL	0.165	10.98	275.2	151.5	0	0	239.809
Stage1	-1.85	274.173	90.369	UL-RL	0.165	10.98	275.2	155.5	0	0	245.869
Stage1	-2.25	280.537	92.431	UL-RL	0.165	10.98	275.2	159.5	0	0	251.931
Stage1	-2.65	286.902	94.494	UL-RL	0.165	10.98	275.2	163.5	0	0	257.994
Stage1	-3.05	293.269	96.558	UL-RL	0.165	10.98	275.2	167.5	0	0	264.058
Stage1	-3.45	299.637	98.624	UL-RL	0.165	10.98	275.2	171.5	0	0	270.124
Stage1	-3.85	306.006	100.691	UL-RL	0.165	10.98	275.2	175.5	0	0	276.191
Stage1	-4.25	312.376	102.76	UL-RL	0.165	10.98	275.2	179.5	0	0	282.26
Stage1	-4.65	318.748	104.829	UL-RL	0.165	10.98	275.2	183.5	0	0	288.329
Stage1	-5.05	325.12	106.9	UL-RL	0.165	10.98	275.2	187.5	0	0	294.4
Stage1	-5.45	331.494	108.972	UL-RL	0.165	10.98	275.2	191.5	0	0	300.472
Stage1	-5.85	337.869	111.046	UL-RL	0.165	10.98	275.2	195.5	0	0	306.546
Stage1	-6.25	344.411	113.12	UL-RL	0.165	10.98	275.2	199.5	0	0	312.62
Stage1	-6.65	350.784	115.197	UL-RL	0.165	10.98	275.2	203.5	0	0	318.697
Stage1	-7.05	357.158	117.274	UL-RL	0.165	10.98	275.2	207.5	0	0	324.774
Stage1	-7.45	363.534	119.352	UL-RL	0.165	10.98	275.2	211.5	0	0	330.852

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-7.85	369.91	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage1	-8.25	376.286	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage1	-8.65	382.664	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095
Stage1	-9.05	389.042	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage1	-9.45	395.421	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage1	-9.85	401.801	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage1	-10.25	408.181	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage1	-10.65	414.561	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage1	-11.05	421.08	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage1	-11.45	427.46	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage1	-11.85	433.84	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage1	-12.25	440.221	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage1	-12.65	446.602	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage1	-13.05	452.984	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage1	-13.45	459.367	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage1	-13.85	465.75	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage1	-14.25	472.133	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage1	-14.65	478.517	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage1	-15.05	484.901	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage1	-15.45	491.404	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage1	-15.85	497.787	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage1	-16.25	504.171	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage1	-16.65	510.555	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage1	-17.05	516.94	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage1	-17.3	520.972	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	14.95	0	17.869	UL-RL	0.433	2.529	11.2	0	0	0	17.869
Stage1	14.55	8	27.438	V-C	0.433	2.529	11.2	0	0	0	27.438
Stage1	14.15	16	31.63	V-C	0.433	2.529	11.2	0	0	0	31.63
Stage1	13.75	24	35.816	UL-RL	0.433	2.529	11.2	0	0	0	35.816
Stage1	13.35	28.5	37.899	UL-RL	0.433	2.529	11.2	3.5	0	0	41.399
Stage1	12.95	32.5	39.971	UL-RL	0.433	2.529	11.2	7.5	0	0	47.471
Stage1	12.55	36.5	42.272	UL-RL	0.433	2.529	11.2	11.5	0	0	53.772
Stage1	12.15	40.5	44.715	UL-RL	0.433	2.529	11.2	15.5	0	0	60.215
Stage1	11.75	44.5	47.229	UL-RL	0.433	2.529	11.2	19.5	0	0	66.729
Stage1	11.35	48.5	49.761	UL-RL	0.433	2.529	11.2	23.5	0	0	73.261
Stage1	10.95	52.5	52.275	UL-RL	0.433	2.529	11.2	27.5	0	0	79.775
Stage1	10.55	56.5	54.745	UL-RL	0.433	2.529	11.2	31.5	0	0	86.245
Stage1	10.15	60.5	57.158	UL-RL	0.433	2.529	11.2	35.5	0	0	92.658
Stage1	9.95	62.5	58.342	UL-RL	0.433	2.529	11.2	37.5	0	0	95.842
Stage1	9.55	66.5	60.673	UL-RL	0.433	2.529	11.2	41.5	0	0	102.173
Stage1	9.15	70.5	62.981	UL-RL	0.433	2.529	11.2	45.5	0	0	108.481
Stage1	8.75	74.8	37.9	UL-RL	0.165	10.98	275.2	49.5	0	0	87.4
Stage1	8.35	81.2	38.174	UL-RL	0.165	10.98	275.2	53.5	0	0	91.674
Stage1	7.95	87.6	39.919	UL-RL	0.165	10.98	275.2	57.5	0	0	97.419
Stage1	7.55	94	42.11	UL-RL	0.165	10.98	275.2	61.5	0	0	103.61
Stage1	7.15	100.4	44.286	UL-RL	0.165	10.98	275.2	65.5	0	0	109.786
Stage1	6.75	106.8	46.37	UL-RL	0.165	10.98	275.2	69.5	0	0	115.87
Stage1	6.35	113.2	48.407	UL-RL	0.165	10.98	275.2	73.5	0	0	121.907
Stage1	5.95	119.6	50.434	UL-RL	0.165	10.98	275.2	77.5	0	0	127.934
Stage1	5.55	126	52.465	UL-RL	0.165	10.98	275.2	81.5	0	0	133.965
Stage1	5.15	132.4	54.501	UL-RL	0.165	10.98	275.2	85.5	0	0	140.001
Stage1	4.75	138.8	56.54	UL-RL	0.165	10.98	275.2	89.5	0	0	146.04
Stage1	4.35	145.2	58.58	UL-RL	0.165	10.98	275.2	93.5	0	0	152.08
Stage1	3.95	151.6	60.622	UL-RL	0.165	10.98	275.2	97.5	0	0	158.122
Stage1	3.55	158	62.665	UL-RL	0.165	10.98	275.2	101.5	0	0	164.165
Stage1	3.15	164.4	64.709	UL-RL	0.165	10.98	275.2	105.5	0	0	170.209
Stage1	2.75	170.8	66.754	UL-RL	0.165	10.98	275.2	109.5	0	0	176.254
Stage1	2.35	177.2	68.801	UL-RL	0.165	10.98	275.2	113.5	0	0	182.301
Stage1	1.95	183.6	70.848	UL-RL	0.165	10.98	275.2	117.5	0	0	188.348
Stage1	1.55	190	72.898	UL-RL	0.165	10.98	275.2	121.5	0	0	194.398
Stage1	1.15	196.4	74.948	UL-RL	0.165	10.98	275.2	125.5	0	0	200.448
Stage1	0.75	202.8	77	UL-RL	0.165	10.98	275.2	129.5	0	0	206.5
Stage1	0.35	209.2	79.053	UL-RL	0.165	10.98	275.2	133.5	0	0	212.553
Stage1	-0.05	215.6	81.108	UL-RL	0.165	10.98	275.2	137.5	0	0	218.608
Stage1	-0.45	222	83.164	UL-RL	0.165	10.98	275.2	141.5	0	0	224.664
Stage1	-0.85	228.4	85.221	UL-RL	0.165	10.98	275.2	145.5	0	0	230.721
Stage1	-1.25	234.8	87.279	UL-RL	0.165	10.98	275.2	149.5	0	0	236.779
Stage1	-1.45	238	88.309	UL-RL	0.165	10.98	275.2	151.5	0	0	239.809
Stage1	-1.85	244.4	90.369	UL-RL	0.165	10.98	275.2	155.5	0	0	245.869
Stage1	-2.25	250.8	92.431	UL-RL	0.165	10.98	275.2	159.5	0	0	251.931
Stage1	-2.65	257.2	94.494	UL-RL	0.165	10.98	275.2	163.5	0	0	257.994
Stage1	-3.05	263.6	96.558	UL-RL	0.165	10.98	275.2	167.5	0	0	264.058
Stage1	-3.45	270	98.624	UL-RL	0.165	10.98	275.2	171.5	0	0	270.124
Stage1	-3.85	276.4	100.691	UL-RL	0.165	10.98	275.2	175.5	0	0	276.191
Stage1	-4.25	282.8	102.76	UL-RL	0.165	10.98	275.2	179.5	0	0	282.26
Stage1	-4.65	289.2	104.829	UL-RL	0.165	10.98	275.2	183.5	0	0	288.329
Stage1	-5.05	295.6	106.9	UL-RL	0.165	10.98	275.2	187.5	0	0	294.4
Stage1	-5.45	302	108.972	UL-RL	0.165	10.98	275.2	191.5	0	0	300.472
Stage1	-5.85	308.4	111.046	UL-RL	0.165	10.98	275.2	195.5	0	0	306.546
Stage1	-6.25	314.8	113.12	UL-RL	0.165	10.98	275.2	199.5	0	0	312.62
Stage1	-6.65	321.2	115.197	UL-RL	0.165	10.98	275.2	203.5	0	0	318.697
Stage1	-7.05	327.6	117.274	UL-RL	0.165	10.98	275.2	207.5	0	0	324.774
Stage1	-7.45	334	119.352	UL-RL	0.165	10.98	275.2	211.5	0	0	330.852
Stage1	-7.85	340.4	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage1	-8.25	346.8	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage1	-8.65	353.2	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-9.05	359.6	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage1	-9.45	366	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage1	-9.85	372.4	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage1	-10.25	378.8	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage1	-10.65	385.2	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage1	-11.05	391.6	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage1	-11.45	398	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage1	-11.85	404.4	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage1	-12.25	410.8	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage1	-12.65	417.2	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage1	-13.05	423.6	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage1	-13.45	430	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage1	-13.85	436.4	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage1	-14.25	442.8	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage1	-14.65	449.2	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage1	-15.05	455.6	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage1	-15.45	462	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage1	-15.85	468.4	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage1	-16.25	474.8	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage1	-16.65	481.2	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage1	-17.05	487.6	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage1	-17.3	491.6	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage1

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	14.95	0	17.869	UL-RL	0.433	2.529	11.2	0	0	0	17.869
Stage1	14.55	8	27.438	V-C	0.433	2.529	11.2	0	0	0	27.438
Stage1	14.15	16	31.63	V-C	0.433	2.529	11.2	0	0	0	31.63
Stage1	13.75	24	35.816	UL-RL	0.433	2.529	11.2	0	0	0	35.816
Stage1	13.35	28.5	37.899	UL-RL	0.433	2.529	11.2	3.5	0	0	41.399
Stage1	12.95	32.5	39.971	UL-RL	0.433	2.529	11.2	7.5	0	0	47.471
Stage1	12.55	36.5	42.272	UL-RL	0.433	2.529	11.2	11.5	0	0	53.772
Stage1	12.15	40.5	44.715	UL-RL	0.433	2.529	11.2	15.5	0	0	60.215
Stage1	11.75	44.5	47.229	UL-RL	0.433	2.529	11.2	19.5	0	0	66.729
Stage1	11.35	48.5	49.761	UL-RL	0.433	2.529	11.2	23.5	0	0	73.261
Stage1	10.95	52.5	52.275	UL-RL	0.433	2.529	11.2	27.5	0	0	79.775
Stage1	10.55	56.5	54.745	UL-RL	0.433	2.529	11.2	31.5	0	0	86.245
Stage1	10.15	60.5	57.158	UL-RL	0.433	2.529	11.2	35.5	0	0	92.658
Stage1	9.95	62.5	58.342	UL-RL	0.433	2.529	11.2	37.5	0	0	95.842
Stage1	9.55	66.5	60.673	UL-RL	0.433	2.529	11.2	41.5	0	0	102.173
Stage1	9.15	70.5	62.981	UL-RL	0.433	2.529	11.2	45.5	0	0	108.481
Stage1	8.75	74.8	37.9	UL-RL	0.165	10.98	275.2	49.5	0	0	87.4
Stage1	8.35	81.2	38.174	UL-RL	0.165	10.98	275.2	53.5	0	0	91.674
Stage1	7.95	87.6	39.919	UL-RL	0.165	10.98	275.2	57.5	0	0	97.419
Stage1	7.55	94	42.11	UL-RL	0.165	10.98	275.2	61.5	0	0	103.61
Stage1	7.15	100.4	44.286	UL-RL	0.165	10.98	275.2	65.5	0	0	109.786
Stage1	6.75	106.8	46.37	UL-RL	0.165	10.98	275.2	69.5	0	0	115.87
Stage1	6.35	113.2	48.407	UL-RL	0.165	10.98	275.2	73.5	0	0	121.907
Stage1	5.95	119.6	50.434	UL-RL	0.165	10.98	275.2	77.5	0	0	127.934
Stage1	5.55	126	52.465	UL-RL	0.165	10.98	275.2	81.5	0	0	133.965
Stage1	5.15	132.4	54.501	UL-RL	0.165	10.98	275.2	85.5	0	0	140.001
Stage1	4.75	138.8	56.54	UL-RL	0.165	10.98	275.2	89.5	0	0	146.04
Stage1	4.35	145.2	58.58	UL-RL	0.165	10.98	275.2	93.5	0	0	152.08
Stage1	3.95	151.6	60.622	UL-RL	0.165	10.98	275.2	97.5	0	0	158.122
Stage1	3.55	158	62.665	UL-RL	0.165	10.98	275.2	101.5	0	0	164.165
Stage1	3.15	164.4	64.709	UL-RL	0.165	10.98	275.2	105.5	0	0	170.209
Stage1	2.75	170.8	66.754	UL-RL	0.165	10.98	275.2	109.5	0	0	176.254
Stage1	2.35	177.2	68.801	UL-RL	0.165	10.98	275.2	113.5	0	0	182.301
Stage1	1.95	183.6	70.848	UL-RL	0.165	10.98	275.2	117.5	0	0	188.348
Stage1	1.55	190	72.898	UL-RL	0.165	10.98	275.2	121.5	0	0	194.398
Stage1	1.15	196.4	74.948	UL-RL	0.165	10.98	275.2	125.5	0	0	200.448
Stage1	0.75	202.8	77	UL-RL	0.165	10.98	275.2	129.5	0	0	206.5
Stage1	0.35	209.2	79.053	UL-RL	0.165	10.98	275.2	133.5	0	0	212.553
Stage1	-0.05	215.6	81.108	UL-RL	0.165	10.98	275.2	137.5	0	0	218.608
Stage1	-0.45	222	83.164	UL-RL	0.165	10.98	275.2	141.5	0	0	224.664
Stage1	-0.85	228.4	85.221	UL-RL	0.165	10.98	275.2	145.5	0	0	230.721
Stage1	-1.25	234.8	87.279	UL-RL	0.165	10.98	275.2	149.5	0	0	236.779
Stage1	-1.45	238	88.309	UL-RL	0.165	10.98	275.2	151.5	0	0	239.809
Stage1	-1.85	244.4	90.369	UL-RL	0.165	10.98	275.2	155.5	0	0	245.869
Stage1	-2.25	250.8	92.431	UL-RL	0.165	10.98	275.2	159.5	0	0	251.931
Stage1	-2.65	257.2	94.494	UL-RL	0.165	10.98	275.2	163.5	0	0	257.994
Stage1	-3.05	263.6	96.558	UL-RL	0.165	10.98	275.2	167.5	0	0	264.058
Stage1	-3.45	270	98.624	UL-RL	0.165	10.98	275.2	171.5	0	0	270.124
Stage1	-3.85	276.4	100.691	UL-RL	0.165	10.98	275.2	175.5	0	0	276.191
Stage1	-4.25	282.8	102.76	UL-RL	0.165	10.98	275.2	179.5	0	0	282.26
Stage1	-4.65	289.2	104.829	UL-RL	0.165	10.98	275.2	183.5	0	0	288.329
Stage1	-5.05	295.6	106.9	UL-RL	0.165	10.98	275.2	187.5	0	0	294.4
Stage1	-5.45	302	108.972	UL-RL	0.165	10.98	275.2	191.5	0	0	300.472
Stage1	-5.85	308.4	111.046	UL-RL	0.165	10.98	275.2	195.5	0	0	306.546
Stage1	-6.25	314.8	113.12	UL-RL	0.165	10.98	275.2	199.5	0	0	312.62
Stage1	-6.65	321.2	115.197	UL-RL	0.165	10.98	275.2	203.5	0	0	318.697
Stage1	-7.05	327.6	117.274	UL-RL	0.165	10.98	275.2	207.5	0	0	324.774
Stage1	-7.45	334	119.352	UL-RL	0.165	10.98	275.2	211.5	0	0	330.852

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT	Lato		LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-7.85	340.4	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage1	-8.25	346.8	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage1	-8.65	353.2	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095
Stage1	-9.05	359.6	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage1	-9.45	366	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage1	-9.85	372.4	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage1	-10.25	378.8	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage1	-10.65	385.2	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage1	-11.05	391.6	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage1	-11.45	398	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage1	-11.85	404.4	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage1	-12.25	410.8	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage1	-12.65	417.2	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage1	-13.05	423.6	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage1	-13.45	430	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage1	-13.85	436.4	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage1	-14.25	442.8	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage1	-14.65	449.2	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage1	-15.05	455.6	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage1	-15.45	462	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage1	-15.85	468.4	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage1	-16.25	474.8	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage1	-16.65	481.2	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage1	-17.05	487.6	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage1	-17.3	491.6	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro: RIGHT	Lato RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage1	15.7	0	0	ACTIVE	0.433	2.529	11.2	0	0	0
Stage1	15.35	17.456	8.872	UL-RL	0.433	2.529	11.2	0	0	8.872
Stage1	14.95	29.031	15.772	UL-RL	0.433	2.529	11.2	0	0	15.772
Stage1	14.55	38.71	22.346	UL-RL	0.433	2.529	11.2	0	0	22.346
Stage1	14.15	47.458	28.591	UL-RL	0.433	2.529	11.2	0	0	28.591
Stage1	13.75	56.076	34.478	UL-RL	0.433	2.529	11.2	0	0	34.478
Stage1	13.35	61.312	37.725	UL-RL	0.433	2.529	11.2	3.5	0	41.225
Stage1	12.95	65.834	40.399	UL-RL	0.433	2.529	11.2	7.5	0	47.899
Stage1	12.55	70.214	42.915	UL-RL	0.433	2.529	11.2	11.5	0	54.415
Stage1	12.15	73.236	45.346	UL-RL	0.433	2.529	11.2	15.5	0	60.846
Stage1	11.75	76.655	47.75	UL-RL	0.433	2.529	11.2	19.5	0	67.25
Stage1	11.35	80.34	50.17	UL-RL	0.433	2.529	11.2	23.5	0	73.67
Stage1	10.95	84.071	52.635	UL-RL	0.433	2.529	11.2	27.5	0	80.135
Stage1	10.55	87.838	55.164	UL-RL	0.433	2.529	11.2	31.5	0	86.664
Stage1	10.15	91.634	57.766	UL-RL	0.433	2.529	11.2	35.5	0	93.266
Stage1	9.95	93.851	59.094	UL-RL	0.433	2.529	11.2	37.5	0	96.594
Stage1	9.55	97.664	61.796	UL-RL	0.433	2.529	11.2	41.5	0	103.296
Stage1	9.15	101.496	64.531	UL-RL	0.433	2.529	11.2	45.5	0	110.031
Stage1	8.75	105.646	32.058	UL-RL	0.165	10.98	275.2	49.5	0	81.558
Stage1	8.35	111.911	38.415	UL-RL	0.165	10.98	275.2	53.5	0	91.915
Stage1	7.95	118.188	41.139	UL-RL	0.165	10.98	275.2	57.5	0	98.639
Stage1	7.55	124.476	42.764	UL-RL	0.165	10.98	275.2	61.5	0	104.264
Stage1	7.15	130.774	44.434	UL-RL	0.165	10.98	275.2	65.5	0	109.934
Stage1	6.75	137.08	46.334	UL-RL	0.165	10.98	275.2	69.5	0	115.834
Stage1	6.35	143.393	48.359	UL-RL	0.165	10.98	275.2	73.5	0	121.859
Stage1	5.95	149.713	50.413	UL-RL	0.165	10.98	275.2	77.5	0	127.913
Stage1	5.55	156.396	52.462	UL-RL	0.165	10.98	275.2	81.5	0	133.962
Stage1	5.15	162.715	54.503	UL-RL	0.165	10.98	275.2	85.5	0	140.003
Stage1	4.75	169.038	56.542	UL-RL	0.165	10.98	275.2	89.5	0	146.042
Stage1	4.35	175.367	58.581	UL-RL	0.165	10.98	275.2	93.5	0	152.081
Stage1	3.95	181.7	60.622	UL-RL	0.165	10.98	275.2	97.5	0	158.122
Stage1	3.55	188.038	62.665	UL-RL	0.165	10.98	275.2	101.5	0	164.164
Stage1	3.15	194.379	64.709	UL-RL	0.165	10.98	275.2	105.5	0	170.209
Stage1	2.75	200.724	66.754	UL-RL	0.165	10.98	275.2	109.5	0	176.254
Stage1	2.35	207.072	68.801	UL-RL	0.165	10.98	275.2	113.5	0	182.301
Stage1	1.95	213.422	70.848	UL-RL	0.165	10.98	275.2	117.5	0	188.348
Stage1	1.55	219.775	72.898	UL-RL	0.165	10.98	275.2	121.5	0	194.398
Stage1	1.15	226.131	74.948	UL-RL	0.165	10.98	275.2	125.5	0	200.448
Stage1	0.75	232.733	77	UL-RL	0.165	10.98	275.2	129.5	0	206.5
Stage1	0.35	239.087	79.053	UL-RL	0.165	10.98	275.2	133.5	0	212.553
Stage1	-0.05	245.443	81.108	UL-RL	0.165	10.98	275.2	137.5	0	218.608
Stage1	-0.45	251.801	83.164	UL-RL	0.165	10.98	275.2	141.5	0	224.664
Stage1	-0.85	258.161	85.221	UL-RL	0.165	10.98	275.2	145.5	0	230.721
Stage1	-1.25	264.523	87.279	UL-RL	0.165	10.98	275.2	149.5	0	236.779
Stage1	-1.45	267.811	88.309	UL-RL	0.165	10.98	275.2	151.5	0	239.809
Stage1	-1.85	274.173	90.369	UL-RL	0.165	10.98	275.2	155.5	0	245.869
Stage1	-2.25	280.537	92.431	UL-RL	0.165	10.98	275.2	159.5	0	251.931
Stage1	-2.65	286.902	94.494	UL-RL	0.165	10.98	275.2	163.5	0	257.994
Stage1	-3.05	293.269	96.558	UL-RL	0.165	10.98	275.2	167.5	0	264.058
Stage1	-3.45	299.637	98.624	UL-RL	0.165	10.98	275.2	171.5	0	270.124
Stage1	-3.85	306.006	100.691	UL-RL	0.165	10.98	275.2	175.5	0	276.191
Stage1	-4.25	312.376	102.76	UL-RL	0.165	10.98	275.2	179.5	0	282.26
Stage1	-4.65	318.748	104.829	UL-RL	0.165	10.98	275.2	183.5	0	288.329
Stage1	-5.05	325.12	106.9	UL-RL	0.165	10.98	275.2	187.5	0	294.4
Stage1	-5.45	331.494	108.972	UL-RL	0.165	10.98	275.2	191.5	0	300.472
Stage1	-5.85	337.869	111.046	UL-RL	0.165	10.98	275.2	195.5	0	306.546
Stage1	-6.25	344.411	113.12	UL-RL	0.165	10.98	275.2	199.5	0	312.62
Stage1	-6.65	350.784	115.197	UL-RL	0.165	10.98	275.2	203.5	0	318.697
Stage1	-7.05	357.158	117.274	UL-RL	0.165	10.98	275.2	207.5	0	324.774
Stage1	-7.45	363.534	119.352	UL-RL	0.165	10.98	275.2	211.5	0	330.852
Stage1	-7.85	369.91	121.432	UL-RL	0.165	10.98	275.2	215.5	0	336.932
Stage1	-8.25	376.286	123.513	UL-RL	0.165	10.98	275.2	219.5	0	343.013
Stage1	-8.65	382.664	125.595	UL-RL	0.165	10.98	275.2	223.5	0	349.095

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-9.05	389.042	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage1	-9.45	395.421	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage1	-9.85	401.801	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage1	-10.25	408.181	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage1	-10.65	414.561	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage1	-11.05	421.08	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage1	-11.45	427.46	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage1	-11.85	433.84	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage1	-12.25	440.221	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage1	-12.65	446.602	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage1	-13.05	452.984	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage1	-13.45	459.367	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage1	-13.85	465.75	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage1	-14.25	472.133	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage1	-14.65	478.517	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage1	-15.05	484.901	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage1	-15.45	491.404	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage1	-15.85	497.787	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage1	-16.25	504.171	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage1	-16.65	510.555	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage1	-17.05	516.94	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage1	-17.3	520.972	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage2

Design Assumption: Nominal Risultati Terreno		Muro:	LEFT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage2	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0
Stage2	15.35	17.456	8.872	UL-RL	0.433	2.529	11.2	0	0	8.872
Stage2	14.95	29.031	15.772	UL-RL	0.433	2.529	11.2	0	0	15.772
Stage2	14.55	38.71	22.346	UL-RL	0.433	2.529	11.2	0	0	22.346
Stage2	14.15	47.458	28.591	UL-RL	0.433	2.529	11.2	0	0	28.591
Stage2	13.75	56.076	34.478	UL-RL	0.433	2.529	11.2	0	0	34.478
Stage2	13.35	61.312	37.725	UL-RL	0.433	2.529	11.2	3.5	0	41.225
Stage2	12.95	65.834	40.399	UL-RL	0.433	2.529	11.2	7.5	0	47.899
Stage2	12.55	70.214	42.915	UL-RL	0.433	2.529	11.2	11.5	0	54.415
Stage2	12.15	73.236	45.346	UL-RL	0.433	2.529	11.2	15.5	0	60.846
Stage2	11.75	76.655	47.75	UL-RL	0.433	2.529	11.2	19.5	0	67.25
Stage2	11.35	80.34	50.17	UL-RL	0.433	2.529	11.2	23.5	0	73.67
Stage2	10.95	84.071	52.635	UL-RL	0.433	2.529	11.2	27.5	0	80.135
Stage2	10.55	87.838	55.164	UL-RL	0.433	2.529	11.2	31.5	0	86.664
Stage2	10.15	91.634	57.766	UL-RL	0.433	2.529	11.2	35.5	0	93.266
Stage2	9.95	93.851	59.094	UL-RL	0.433	2.529	11.2	37.5	0	96.594
Stage2	9.55	97.664	61.796	UL-RL	0.433	2.529	11.2	41.5	0	103.296
Stage2	9.15	101.496	64.531	UL-RL	0.433	2.529	11.2	45.5	0	110.031
Stage2	8.75	105.646	32.058	UL-RL	0.165	10.98	275.2	49.5	0	81.558
Stage2	8.35	111.911	38.415	UL-RL	0.165	10.98	275.2	53.5	0	91.915
Stage2	7.95	118.188	41.139	UL-RL	0.165	10.98	275.2	57.5	0	98.639
Stage2	7.55	124.476	42.764	UL-RL	0.165	10.98	275.2	61.5	0	104.264
Stage2	7.15	130.774	44.434	UL-RL	0.165	10.98	275.2	65.5	0	109.934
Stage2	6.75	137.08	46.334	UL-RL	0.165	10.98	275.2	69.5	0	115.834
Stage2	6.35	143.393	48.359	UL-RL	0.165	10.98	275.2	73.5	0	121.859
Stage2	5.95	149.713	50.413	UL-RL	0.165	10.98	275.2	77.5	0	127.913
Stage2	5.55	156.396	52.462	UL-RL	0.165	10.98	275.2	81.5	0	133.962
Stage2	5.15	162.715	54.503	UL-RL	0.165	10.98	275.2	85.5	0	140.003
Stage2	4.75	169.038	56.542	UL-RL	0.165	10.98	275.2	89.5	0	146.042
Stage2	4.35	175.367	58.581	UL-RL	0.165	10.98	275.2	93.5	0	152.081
Stage2	3.95	181.7	60.622	UL-RL	0.165	10.98	275.2	97.5	0	158.122
Stage2	3.55	188.038	62.665	UL-RL	0.165	10.98	275.2	101.5	0	164.164
Stage2	3.15	194.379	64.709	UL-RL	0.165	10.98	275.2	105.5	0	170.209
Stage2	2.75	200.724	66.754	UL-RL	0.165	10.98	275.2	109.5	0	176.254
Stage2	2.35	207.072	68.801	UL-RL	0.165	10.98	275.2	113.5	0	182.301
Stage2	1.95	213.422	70.848	UL-RL	0.165	10.98	275.2	117.5	0	188.348
Stage2	1.55	219.775	72.898	UL-RL	0.165	10.98	275.2	121.5	0	194.398
Stage2	1.15	226.131	74.948	UL-RL	0.165	10.98	275.2	125.5	0	200.448
Stage2	0.75	232.733	77	UL-RL	0.165	10.98	275.2	129.5	0	206.5
Stage2	0.35	239.087	79.053	UL-RL	0.165	10.98	275.2	133.5	0	212.553
Stage2	-0.05	245.443	81.108	UL-RL	0.165	10.98	275.2	137.5	0	218.608
Stage2	-0.45	251.801	83.164	UL-RL	0.165	10.98	275.2	141.5	0	224.664
Stage2	-0.85	258.161	85.221	UL-RL	0.165	10.98	275.2	145.5	0	230.721
Stage2	-1.25	264.523	87.279	UL-RL	0.165	10.98	275.2	149.5	0	236.779
Stage2	-1.45	267.811	88.309	UL-RL	0.165	10.98	275.2	151.5	0	239.809
Stage2	-1.85	274.173	90.369	UL-RL	0.165	10.98	275.2	155.5	0	245.869
Stage2	-2.25	280.537	92.431	UL-RL	0.165	10.98	275.2	159.5	0	251.931
Stage2	-2.65	286.902	94.494	UL-RL	0.165	10.98	275.2	163.5	0	257.994
Stage2	-3.05	293.269	96.558	UL-RL	0.165	10.98	275.2	167.5	0	264.058
Stage2	-3.45	299.637	98.624	UL-RL	0.165	10.98	275.2	171.5	0	270.124
Stage2	-3.85	306.006	100.691	UL-RL	0.165	10.98	275.2	175.5	0	276.191
Stage2	-4.25	312.376	102.76	UL-RL	0.165	10.98	275.2	179.5	0	282.26
Stage2	-4.65	318.748	104.829	UL-RL	0.165	10.98	275.2	183.5	0	288.329
Stage2	-5.05	325.12	106.9	UL-RL	0.165	10.98	275.2	187.5	0	294.4
Stage2	-5.45	331.494	108.972	UL-RL	0.165	10.98	275.2	191.5	0	300.472
Stage2	-5.85	337.869	111.046	UL-RL	0.165	10.98	275.2	195.5	0	306.546
Stage2	-6.25	344.411	113.12	UL-RL	0.165	10.98	275.2	199.5	0	312.62
Stage2	-6.65	350.784	115.197	UL-RL	0.165	10.98	275.2	203.5	0	318.697
Stage2	-7.05	357.158	117.274	UL-RL	0.165	10.98	275.2	207.5	0	324.774
Stage2	-7.45	363.534	119.352	UL-RL	0.165	10.98	275.2	211.5	0	330.852

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT		Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp	Coesione (kPa)					
Stage2	-7.85	369.91	121.432	UL-RL0.165	10.98	275.2	215.5	0	0	336.932		
Stage2	-8.25	376.286	123.513	UL-RL0.165	10.98	275.2	219.5	0	0	343.013		
Stage2	-8.65	382.664	125.595	UL-RL0.165	10.98	275.2	223.5	0	0	349.095		
Stage2	-9.05	389.042	127.679	UL-RL0.165	10.98	275.2	227.5	0	0	355.179		
Stage2	-9.45	395.421	129.764	UL-RL0.165	10.98	275.2	231.5	0	0	361.264		
Stage2	-9.85	401.801	131.849	UL-RL0.165	10.98	275.2	235.5	0	0	367.349		
Stage2	-10.25	408.181	133.936	UL-RL0.165	10.98	275.2	239.5	0	0	373.436		
Stage2	-10.65	414.561	136.024	UL-RL0.165	10.98	275.2	243.5	0	0	379.524		
Stage2	-11.05	421.08	138.114	UL-RL0.165	10.98	275.2	247.5	0	0	385.614		
Stage2	-11.45	427.46	140.204	UL-RL0.165	10.98	275.2	251.5	0	0	391.704		
Stage2	-11.85	433.84	142.295	UL-RL0.165	10.98	275.2	255.5	0	0	397.795		
Stage2	-12.25	440.221	144.388	UL-RL0.165	10.98	275.2	259.5	0	0	403.888		
Stage2	-12.65	446.602	146.482	UL-RL0.165	10.98	275.2	263.5	0	0	409.982		
Stage2	-13.05	452.984	148.576	UL-RL0.165	10.98	275.2	267.5	0	0	416.076		
Stage2	-13.45	459.367	150.672	UL-RL0.165	10.98	275.2	271.5	0	0	422.172		
Stage2	-13.85	465.75	152.769	UL-RL0.165	10.98	275.2	275.5	0	0	428.269		
Stage2	-14.25	472.133	154.866	UL-RL0.165	10.98	275.2	279.5	0	0	434.366		
Stage2	-14.65	478.517	156.965	UL-RL0.165	10.98	275.2	283.5	0	0	440.465		
Stage2	-15.05	484.901	159.065	UL-RL0.165	10.98	275.2	287.5	0	0	446.565		
Stage2	-15.45	491.404	161.166	UL-RL0.165	10.98	275.2	291.5	0	0	452.666		
Stage2	-15.85	497.787	163.267	UL-RL0.165	10.98	275.2	295.5	0	0	458.767		
Stage2	-16.25	504.171	165.37	UL-RL0.165	10.98	275.2	299.5	0	0	464.87		
Stage2	-16.65	510.555	167.474	UL-RL0.165	10.98	275.2	303.5	0	0	470.973		
Stage2	-17.05	516.94	169.578	UL-RL0.165	10.98	275.2	307.5	0	0	477.078		
Stage2	-17.3	520.972	170.894	UL-RL0.165	10.98	275.2	310	0	0	480.894		

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro:	LEFT	Lato	RIGHT				
					Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage2	15.7	0	0		REMOVED	0	0	0	0	0	0
Stage2	15.35	0	0		REMOVED	0	0	0	0	0	0
Stage2	14.95	0	17.869		UL-RL	0.433	2.529	11.2	0	0	17.869
Stage2	14.55	8	27.438		UL-RL	0.433	2.529	11.2	0	0	27.438
Stage2	14.15	16	31.63		UL-RL	0.433	2.529	11.2	0	0	31.63
Stage2	13.75	24	35.816		UL-RL	0.433	2.529	11.2	0	0	35.816
Stage2	13.35	28.5	37.899		UL-RL	0.433	2.529	11.2	3.5	0	41.399
Stage2	12.95	32.5	39.971		UL-RL	0.433	2.529	11.2	7.5	0	47.471
Stage2	12.55	36.5	42.272		UL-RL	0.433	2.529	11.2	11.5	0	53.772
Stage2	12.15	40.5	44.715		UL-RL	0.433	2.529	11.2	15.5	0	60.215
Stage2	11.75	44.5	47.229		UL-RL	0.433	2.529	11.2	19.5	0	66.729
Stage2	11.35	48.5	49.761		UL-RL	0.433	2.529	11.2	23.5	0	73.261
Stage2	10.95	52.5	52.275		UL-RL	0.433	2.529	11.2	27.5	0	79.775
Stage2	10.55	56.5	54.745		UL-RL	0.433	2.529	11.2	31.5	0	86.245
Stage2	10.15	60.5	57.158		UL-RL	0.433	2.529	11.2	35.5	0	92.658
Stage2	9.95	62.5	58.342		UL-RL	0.433	2.529	11.2	37.5	0	95.842
Stage2	9.55	66.5	60.673		UL-RL	0.433	2.529	11.2	41.5	0	102.173
Stage2	9.15	70.5	62.981		UL-RL	0.433	2.529	11.2	45.5	0	108.481
Stage2	8.75	74.8	37.9		UL-RL	0.165	10.98	275.2	49.5	0	87.4
Stage2	8.35	81.2	38.174		UL-RL	0.165	10.98	275.2	53.5	0	91.674
Stage2	7.95	87.6	39.919		UL-RL	0.165	10.98	275.2	57.5	0	97.419
Stage2	7.55	94	42.11		UL-RL	0.165	10.98	275.2	61.5	0	103.61
Stage2	7.15	100.4	44.286		UL-RL	0.165	10.98	275.2	65.5	0	109.786
Stage2	6.75	106.8	46.37		UL-RL	0.165	10.98	275.2	69.5	0	115.87
Stage2	6.35	113.2	48.407		UL-RL	0.165	10.98	275.2	73.5	0	121.907
Stage2	5.95	119.6	50.434		UL-RL	0.165	10.98	275.2	77.5	0	127.934
Stage2	5.55	126	52.465		UL-RL	0.165	10.98	275.2	81.5	0	133.965
Stage2	5.15	132.4	54.501		UL-RL	0.165	10.98	275.2	85.5	0	140.001
Stage2	4.75	138.8	56.54		UL-RL	0.165	10.98	275.2	89.5	0	146.04
Stage2	4.35	145.2	58.58		UL-RL	0.165	10.98	275.2	93.5	0	152.08
Stage2	3.95	151.6	60.622		UL-RL	0.165	10.98	275.2	97.5	0	158.122
Stage2	3.55	158	62.665		UL-RL	0.165	10.98	275.2	101.5	0	164.165
Stage2	3.15	164.4	64.709		UL-RL	0.165	10.98	275.2	105.5	0	170.209
Stage2	2.75	170.8	66.754		UL-RL	0.165	10.98	275.2	109.5	0	176.254
Stage2	2.35	177.2	68.801		UL-RL	0.165	10.98	275.2	113.5	0	182.301
Stage2	1.95	183.6	70.848		UL-RL	0.165	10.98	275.2	117.5	0	188.348
Stage2	1.55	190	72.898		UL-RL	0.165	10.98	275.2	121.5	0	194.398
Stage2	1.15	196.4	74.948		UL-RL	0.165	10.98	275.2	125.5	0	200.448
Stage2	0.75	202.8	77		UL-RL	0.165	10.98	275.2	129.5	0	206.5
Stage2	0.35	209.2	79.053		UL-RL	0.165	10.98	275.2	133.5	0	212.553
Stage2	-0.05	215.6	81.108		UL-RL	0.165	10.98	275.2	137.5	0	218.608
Stage2	-0.45	222	83.164		UL-RL	0.165	10.98	275.2	141.5	0	224.664
Stage2	-0.85	228.4	85.221		UL-RL	0.165	10.98	275.2	145.5	0	230.721
Stage2	-1.25	234.8	87.279		UL-RL	0.165	10.98	275.2	149.5	0	236.779
Stage2	-1.45	238	88.309		UL-RL	0.165	10.98	275.2	151.5	0	239.809
Stage2	-1.85	244.4	90.369		UL-RL	0.165	10.98	275.2	155.5	0	245.869
Stage2	-2.25	250.8	92.431		UL-RL	0.165	10.98	275.2	159.5	0	251.931
Stage2	-2.65	257.2	94.494		UL-RL	0.165	10.98	275.2	163.5	0	257.994
Stage2	-3.05	263.6	96.558		UL-RL	0.165	10.98	275.2	167.5	0	264.058
Stage2	-3.45	270	98.624		UL-RL	0.165	10.98	275.2	171.5	0	270.124
Stage2	-3.85	276.4	100.691		UL-RL	0.165	10.98	275.2	175.5	0	276.191
Stage2	-4.25	282.8	102.76		UL-RL	0.165	10.98	275.2	179.5	0	282.26
Stage2	-4.65	289.2	104.829		UL-RL	0.165	10.98	275.2	183.5	0	288.329
Stage2	-5.05	295.6	106.9		UL-RL	0.165	10.98	275.2	187.5	0	294.4
Stage2	-5.45	302	108.972		UL-RL	0.165	10.98	275.2	191.5	0	300.472
Stage2	-5.85	308.4	111.046		UL-RL	0.165	10.98	275.2	195.5	0	306.546
Stage2	-6.25	314.8	113.12		UL-RL	0.165	10.98	275.2	199.5	0	312.62
Stage2	-6.65	321.2	115.197		UL-RL	0.165	10.98	275.2	203.5	0	318.697
Stage2	-7.05	327.6	117.274		UL-RL	0.165	10.98	275.2	207.5	0	324.774
Stage2	-7.45	334	119.352		UL-RL	0.165	10.98	275.2	211.5	0	330.852
Stage2	-7.85	340.4	121.432		UL-RL	0.165	10.98	275.2	215.5	0	336.932
Stage2	-8.25	346.8	123.513		UL-RL	0.165	10.98	275.2	219.5	0	343.013
Stage2	-8.65	353.2	125.595		UL-RL	0.165	10.98	275.2	223.5	0	349.095

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-9.05	359.6	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage2	-9.45	366	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage2	-9.85	372.4	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage2	-10.25	378.8	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage2	-10.65	385.2	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage2	-11.05	391.6	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage2	-11.45	398	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage2	-11.85	404.4	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage2	-12.25	410.8	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage2	-12.65	417.2	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage2	-13.05	423.6	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage2	-13.45	430	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage2	-13.85	436.4	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage2	-14.25	442.8	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage2	-14.65	449.2	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage2	-15.05	455.6	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage2	-15.45	462	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage2	-15.85	468.4	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage2	-16.25	474.8	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage2	-16.65	481.2	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage2	-17.05	487.6	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage2	-17.3	491.6	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage2

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	14.95	0	17.869	UL-RL	0.433	2.529	11.2	0	0	0	17.869
Stage2	14.55	8	27.438	UL-RL	0.433	2.529	11.2	0	0	0	27.438
Stage2	14.15	16	31.63	UL-RL	0.433	2.529	11.2	0	0	0	31.63
Stage2	13.75	24	35.816	UL-RL	0.433	2.529	11.2	0	0	0	35.816
Stage2	13.35	28.5	37.899	UL-RL	0.433	2.529	11.2	3.5	0	0	41.399
Stage2	12.95	32.5	39.971	UL-RL	0.433	2.529	11.2	7.5	0	0	47.471
Stage2	12.55	36.5	42.272	UL-RL	0.433	2.529	11.2	11.5	0	0	53.772
Stage2	12.15	40.5	44.715	UL-RL	0.433	2.529	11.2	15.5	0	0	60.215
Stage2	11.75	44.5	47.229	UL-RL	0.433	2.529	11.2	19.5	0	0	66.729
Stage2	11.35	48.5	49.761	UL-RL	0.433	2.529	11.2	23.5	0	0	73.261
Stage2	10.95	52.5	52.275	UL-RL	0.433	2.529	11.2	27.5	0	0	79.775
Stage2	10.55	56.5	54.745	UL-RL	0.433	2.529	11.2	31.5	0	0	86.245
Stage2	10.15	60.5	57.158	UL-RL	0.433	2.529	11.2	35.5	0	0	92.658
Stage2	9.95	62.5	58.342	UL-RL	0.433	2.529	11.2	37.5	0	0	95.842
Stage2	9.55	66.5	60.673	UL-RL	0.433	2.529	11.2	41.5	0	0	102.173
Stage2	9.15	70.5	62.981	UL-RL	0.433	2.529	11.2	45.5	0	0	108.481
Stage2	8.75	74.8	37.9	UL-RL	0.165	10.98	275.2	49.5	0	0	87.4
Stage2	8.35	81.2	38.174	UL-RL	0.165	10.98	275.2	53.5	0	0	91.674
Stage2	7.95	87.6	39.919	UL-RL	0.165	10.98	275.2	57.5	0	0	97.419
Stage2	7.55	94	42.11	UL-RL	0.165	10.98	275.2	61.5	0	0	103.61
Stage2	7.15	100.4	44.286	UL-RL	0.165	10.98	275.2	65.5	0	0	109.786
Stage2	6.75	106.8	46.37	UL-RL	0.165	10.98	275.2	69.5	0	0	115.87
Stage2	6.35	113.2	48.407	UL-RL	0.165	10.98	275.2	73.5	0	0	121.907
Stage2	5.95	119.6	50.434	UL-RL	0.165	10.98	275.2	77.5	0	0	127.934
Stage2	5.55	126	52.465	UL-RL	0.165	10.98	275.2	81.5	0	0	133.965
Stage2	5.15	132.4	54.501	UL-RL	0.165	10.98	275.2	85.5	0	0	140.001
Stage2	4.75	138.8	56.54	UL-RL	0.165	10.98	275.2	89.5	0	0	146.04
Stage2	4.35	145.2	58.58	UL-RL	0.165	10.98	275.2	93.5	0	0	152.08
Stage2	3.95	151.6	60.622	UL-RL	0.165	10.98	275.2	97.5	0	0	158.122
Stage2	3.55	158	62.665	UL-RL	0.165	10.98	275.2	101.5	0	0	164.165
Stage2	3.15	164.4	64.709	UL-RL	0.165	10.98	275.2	105.5	0	0	170.209
Stage2	2.75	170.8	66.754	UL-RL	0.165	10.98	275.2	109.5	0	0	176.254
Stage2	2.35	177.2	68.801	UL-RL	0.165	10.98	275.2	113.5	0	0	182.301
Stage2	1.95	183.6	70.848	UL-RL	0.165	10.98	275.2	117.5	0	0	188.348
Stage2	1.55	190	72.898	UL-RL	0.165	10.98	275.2	121.5	0	0	194.398
Stage2	1.15	196.4	74.948	UL-RL	0.165	10.98	275.2	125.5	0	0	200.448
Stage2	0.75	202.8	77	UL-RL	0.165	10.98	275.2	129.5	0	0	206.5
Stage2	0.35	209.2	79.053	UL-RL	0.165	10.98	275.2	133.5	0	0	212.553
Stage2	-0.05	215.6	81.108	UL-RL	0.165	10.98	275.2	137.5	0	0	218.608
Stage2	-0.45	222	83.164	UL-RL	0.165	10.98	275.2	141.5	0	0	224.664
Stage2	-0.85	228.4	85.221	UL-RL	0.165	10.98	275.2	145.5	0	0	230.721
Stage2	-1.25	234.8	87.279	UL-RL	0.165	10.98	275.2	149.5	0	0	236.779
Stage2	-1.45	238	88.309	UL-RL	0.165	10.98	275.2	151.5	0	0	239.809
Stage2	-1.85	244.4	90.369	UL-RL	0.165	10.98	275.2	155.5	0	0	245.869
Stage2	-2.25	250.8	92.431	UL-RL	0.165	10.98	275.2	159.5	0	0	251.931
Stage2	-2.65	257.2	94.494	UL-RL	0.165	10.98	275.2	163.5	0	0	257.994
Stage2	-3.05	263.6	96.558	UL-RL	0.165	10.98	275.2	167.5	0	0	264.058
Stage2	-3.45	270	98.624	UL-RL	0.165	10.98	275.2	171.5	0	0	270.124
Stage2	-3.85	276.4	100.691	UL-RL	0.165	10.98	275.2	175.5	0	0	276.191
Stage2	-4.25	282.8	102.76	UL-RL	0.165	10.98	275.2	179.5	0	0	282.26
Stage2	-4.65	289.2	104.829	UL-RL	0.165	10.98	275.2	183.5	0	0	288.329
Stage2	-5.05	295.6	106.9	UL-RL	0.165	10.98	275.2	187.5	0	0	294.4
Stage2	-5.45	302	108.972	UL-RL	0.165	10.98	275.2	191.5	0	0	300.472
Stage2	-5.85	308.4	111.046	UL-RL	0.165	10.98	275.2	195.5	0	0	306.546
Stage2	-6.25	314.8	113.12	UL-RL	0.165	10.98	275.2	199.5	0	0	312.62
Stage2	-6.65	321.2	115.197	UL-RL	0.165	10.98	275.2	203.5	0	0	318.697
Stage2	-7.05	327.6	117.274	UL-RL	0.165	10.98	275.2	207.5	0	0	324.774
Stage2	-7.45	334	119.352	UL-RL	0.165	10.98	275.2	211.5	0	0	330.852

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-7.85	340.4	121.432	UL-RL	0.165	10.98	275.2	215.5	0	0	336.932
Stage2	-8.25	346.8	123.513	UL-RL	0.165	10.98	275.2	219.5	0	0	343.013
Stage2	-8.65	353.2	125.595	UL-RL	0.165	10.98	275.2	223.5	0	0	349.095
Stage2	-9.05	359.6	127.679	UL-RL	0.165	10.98	275.2	227.5	0	0	355.179
Stage2	-9.45	366	129.764	UL-RL	0.165	10.98	275.2	231.5	0	0	361.264
Stage2	-9.85	372.4	131.849	UL-RL	0.165	10.98	275.2	235.5	0	0	367.349
Stage2	-10.25	378.8	133.936	UL-RL	0.165	10.98	275.2	239.5	0	0	373.436
Stage2	-10.65	385.2	136.024	UL-RL	0.165	10.98	275.2	243.5	0	0	379.524
Stage2	-11.05	391.6	138.114	UL-RL	0.165	10.98	275.2	247.5	0	0	385.614
Stage2	-11.45	398	140.204	UL-RL	0.165	10.98	275.2	251.5	0	0	391.704
Stage2	-11.85	404.4	142.295	UL-RL	0.165	10.98	275.2	255.5	0	0	397.795
Stage2	-12.25	410.8	144.388	UL-RL	0.165	10.98	275.2	259.5	0	0	403.888
Stage2	-12.65	417.2	146.482	UL-RL	0.165	10.98	275.2	263.5	0	0	409.982
Stage2	-13.05	423.6	148.576	UL-RL	0.165	10.98	275.2	267.5	0	0	416.076
Stage2	-13.45	430	150.672	UL-RL	0.165	10.98	275.2	271.5	0	0	422.172
Stage2	-13.85	436.4	152.769	UL-RL	0.165	10.98	275.2	275.5	0	0	428.269
Stage2	-14.25	442.8	154.866	UL-RL	0.165	10.98	275.2	279.5	0	0	434.366
Stage2	-14.65	449.2	156.965	UL-RL	0.165	10.98	275.2	283.5	0	0	440.465
Stage2	-15.05	455.6	159.065	UL-RL	0.165	10.98	275.2	287.5	0	0	446.565
Stage2	-15.45	462	161.166	UL-RL	0.165	10.98	275.2	291.5	0	0	452.666
Stage2	-15.85	468.4	163.267	UL-RL	0.165	10.98	275.2	295.5	0	0	458.767
Stage2	-16.25	474.8	165.37	UL-RL	0.165	10.98	275.2	299.5	0	0	464.87
Stage2	-16.65	481.2	167.474	UL-RL	0.165	10.98	275.2	303.5	0	0	470.973
Stage2	-17.05	487.6	169.578	UL-RL	0.165	10.98	275.2	307.5	0	0	477.078
Stage2	-17.3	491.6	170.894	UL-RL	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVOPOZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno		Muro:	RIGHT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage2	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0
Stage2	15.35	17.456	8.872	UL-RL	0.433	2.529	11.2	0	0	8.872
Stage2	14.95	29.031	15.772	UL-RL	0.433	2.529	11.2	0	0	15.772
Stage2	14.55	38.71	22.346	UL-RL	0.433	2.529	11.2	0	0	22.346
Stage2	14.15	47.458	28.591	UL-RL	0.433	2.529	11.2	0	0	28.591
Stage2	13.75	56.076	34.478	UL-RL	0.433	2.529	11.2	0	0	34.478
Stage2	13.35	61.312	37.725	UL-RL	0.433	2.529	11.2	3.5	0	41.225
Stage2	12.95	65.834	40.399	UL-RL	0.433	2.529	11.2	7.5	0	47.899
Stage2	12.55	70.214	42.915	UL-RL	0.433	2.529	11.2	11.5	0	54.415
Stage2	12.15	73.236	45.346	UL-RL	0.433	2.529	11.2	15.5	0	60.846
Stage2	11.75	76.655	47.75	UL-RL	0.433	2.529	11.2	19.5	0	67.25
Stage2	11.35	80.34	50.17	UL-RL	0.433	2.529	11.2	23.5	0	73.67
Stage2	10.95	84.071	52.635	UL-RL	0.433	2.529	11.2	27.5	0	80.135
Stage2	10.55	87.838	55.164	UL-RL	0.433	2.529	11.2	31.5	0	86.664
Stage2	10.15	91.634	57.766	UL-RL	0.433	2.529	11.2	35.5	0	93.266
Stage2	9.95	93.851	59.094	UL-RL	0.433	2.529	11.2	37.5	0	96.594
Stage2	9.55	97.664	61.796	UL-RL	0.433	2.529	11.2	41.5	0	103.296
Stage2	9.15	101.496	64.531	UL-RL	0.433	2.529	11.2	45.5	0	110.031
Stage2	8.75	105.646	32.058	UL-RL	0.165	10.98	275.2	49.5	0	81.558
Stage2	8.35	111.911	38.415	UL-RL	0.165	10.98	275.2	53.5	0	91.915
Stage2	7.95	118.188	41.139	UL-RL	0.165	10.98	275.2	57.5	0	98.639
Stage2	7.55	124.476	42.764	UL-RL	0.165	10.98	275.2	61.5	0	104.264
Stage2	7.15	130.774	44.434	UL-RL	0.165	10.98	275.2	65.5	0	109.934
Stage2	6.75	137.08	46.334	UL-RL	0.165	10.98	275.2	69.5	0	115.834
Stage2	6.35	143.393	48.359	UL-RL	0.165	10.98	275.2	73.5	0	121.859
Stage2	5.95	149.713	50.413	UL-RL	0.165	10.98	275.2	77.5	0	127.913
Stage2	5.55	156.396	52.462	UL-RL	0.165	10.98	275.2	81.5	0	133.962
Stage2	5.15	162.715	54.503	UL-RL	0.165	10.98	275.2	85.5	0	140.003
Stage2	4.75	169.038	56.542	UL-RL	0.165	10.98	275.2	89.5	0	146.042
Stage2	4.35	175.367	58.581	UL-RL	0.165	10.98	275.2	93.5	0	152.081
Stage2	3.95	181.7	60.622	UL-RL	0.165	10.98	275.2	97.5	0	158.122
Stage2	3.55	188.038	62.665	UL-RL	0.165	10.98	275.2	101.5	0	164.164
Stage2	3.15	194.379	64.709	UL-RL	0.165	10.98	275.2	105.5	0	170.209
Stage2	2.75	200.724	66.754	UL-RL	0.165	10.98	275.2	109.5	0	176.254
Stage2	2.35	207.072	68.801	UL-RL	0.165	10.98	275.2	113.5	0	182.301
Stage2	1.95	213.422	70.848	UL-RL	0.165	10.98	275.2	117.5	0	188.348
Stage2	1.55	219.775	72.898	UL-RL	0.165	10.98	275.2	121.5	0	194.398
Stage2	1.15	226.131	74.948	UL-RL	0.165	10.98	275.2	125.5	0	200.448
Stage2	0.75	232.733	77	UL-RL	0.165	10.98	275.2	129.5	0	206.5
Stage2	0.35	239.087	79.053	UL-RL	0.165	10.98	275.2	133.5	0	212.553
Stage2	-0.05	245.443	81.108	UL-RL	0.165	10.98	275.2	137.5	0	218.608
Stage2	-0.45	251.801	83.164	UL-RL	0.165	10.98	275.2	141.5	0	224.664
Stage2	-0.85	258.161	85.221	UL-RL	0.165	10.98	275.2	145.5	0	230.721
Stage2	-1.25	264.523	87.279	UL-RL	0.165	10.98	275.2	149.5	0	236.779
Stage2	-1.45	267.811	88.309	UL-RL	0.165	10.98	275.2	151.5	0	239.809
Stage2	-1.85	274.173	90.369	UL-RL	0.165	10.98	275.2	155.5	0	245.869
Stage2	-2.25	280.537	92.431	UL-RL	0.165	10.98	275.2	159.5	0	251.931
Stage2	-2.65	286.902	94.494	UL-RL	0.165	10.98	275.2	163.5	0	257.994
Stage2	-3.05	293.269	96.558	UL-RL	0.165	10.98	275.2	167.5	0	264.058
Stage2	-3.45	299.637	98.624	UL-RL	0.165	10.98	275.2	171.5	0	270.124
Stage2	-3.85	306.006	100.691	UL-RL	0.165	10.98	275.2	175.5	0	276.191
Stage2	-4.25	312.376	102.76	UL-RL	0.165	10.98	275.2	179.5	0	282.26
Stage2	-4.65	318.748	104.829	UL-RL	0.165	10.98	275.2	183.5	0	288.329
Stage2	-5.05	325.12	106.9	UL-RL	0.165	10.98	275.2	187.5	0	294.4
Stage2	-5.45	331.494	108.972	UL-RL	0.165	10.98	275.2	191.5	0	300.472
Stage2	-5.85	337.869	111.046	UL-RL	0.165	10.98	275.2	195.5	0	306.546
Stage2	-6.25	344.411	113.12	UL-RL	0.165	10.98	275.2	199.5	0	312.62
Stage2	-6.65	350.784	115.197	UL-RL	0.165	10.98	275.2	203.5	0	318.697
Stage2	-7.05	357.158	117.274	UL-RL	0.165	10.98	275.2	207.5	0	324.774
Stage2	-7.45	363.534	119.352	UL-RL	0.165	10.98	275.2	211.5	0	330.852
Stage2	-7.85	369.91	121.432	UL-RL	0.165	10.98	275.2	215.5	0	336.932
Stage2	-8.25	376.286	123.513	UL-RL	0.165	10.98	275.2	219.5	0	343.013
Stage2	-8.65	382.664	125.595	UL-RL	0.165	10.98	275.2	223.5	0	349.095

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: RIGHT		Lato RIGHT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
			Sigma H (kPa)	Stato	Ka	Kp					
Stage2	-9.05	389.042	127.679	UL-RL 0.165 10.98	0.165	10.98	275.2	227.5	0	0	355.179
Stage2	-9.45	395.421	129.764	UL-RL 0.165 10.98	0.165	10.98	275.2	231.5	0	0	361.264
Stage2	-9.85	401.801	131.849	UL-RL 0.165 10.98	0.165	10.98	275.2	235.5	0	0	367.349
Stage2	-10.25	408.181	133.936	UL-RL 0.165 10.98	0.165	10.98	275.2	239.5	0	0	373.436
Stage2	-10.65	414.561	136.024	UL-RL 0.165 10.98	0.165	10.98	275.2	243.5	0	0	379.524
Stage2	-11.05	421.08	138.114	UL-RL 0.165 10.98	0.165	10.98	275.2	247.5	0	0	385.614
Stage2	-11.45	427.46	140.204	UL-RL 0.165 10.98	0.165	10.98	275.2	251.5	0	0	391.704
Stage2	-11.85	433.84	142.295	UL-RL 0.165 10.98	0.165	10.98	275.2	255.5	0	0	397.795
Stage2	-12.25	440.221	144.388	UL-RL 0.165 10.98	0.165	10.98	275.2	259.5	0	0	403.888
Stage2	-12.65	446.602	146.482	UL-RL 0.165 10.98	0.165	10.98	275.2	263.5	0	0	409.982
Stage2	-13.05	452.984	148.576	UL-RL 0.165 10.98	0.165	10.98	275.2	267.5	0	0	416.076
Stage2	-13.45	459.367	150.672	UL-RL 0.165 10.98	0.165	10.98	275.2	271.5	0	0	422.172
Stage2	-13.85	465.75	152.769	UL-RL 0.165 10.98	0.165	10.98	275.2	275.5	0	0	428.269
Stage2	-14.25	472.133	154.866	UL-RL 0.165 10.98	0.165	10.98	275.2	279.5	0	0	434.366
Stage2	-14.65	478.517	156.965	UL-RL 0.165 10.98	0.165	10.98	275.2	283.5	0	0	440.465
Stage2	-15.05	484.901	159.065	UL-RL 0.165 10.98	0.165	10.98	275.2	287.5	0	0	446.565
Stage2	-15.45	491.404	161.166	UL-RL 0.165 10.98	0.165	10.98	275.2	291.5	0	0	452.666
Stage2	-15.85	497.787	163.267	UL-RL 0.165 10.98	0.165	10.98	275.2	295.5	0	0	458.767
Stage2	-16.25	504.171	165.37	UL-RL 0.165 10.98	0.165	10.98	275.2	299.5	0	0	464.87
Stage2	-16.65	510.555	167.474	UL-RL 0.165 10.98	0.165	10.98	275.2	303.5	0	0	470.973
Stage2	-17.05	516.94	169.578	UL-RL 0.165 10.98	0.165	10.98	275.2	307.5	0	0	477.078
Stage2	-17.3	520.972	170.894	UL-RL 0.165 10.98	0.165	10.98	275.2	310	0	0	480.894

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage3

Design Assumption: Nominal Risultati Terreno		Muro:		LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	15.7	0	16.274	V-C	0.433	2.529	11.2	0	0	16.274
Stage3	15.35	17.456	3.779	UL-RL	0.433	2.529	11.2	0	0	3.779
Stage3	14.95	29.031	0	ACTIVE	0.433	2.529	11.2	0	0	0
Stage3	14.55	38.71	2.022	ACTIVE	0.433	2.529	11.2	0	0	2.022
Stage3	14.15	47.458	5.809	ACTIVE	0.433	2.529	11.2	0	0	5.809
Stage3	13.75	56.076	9.541	ACTIVE	0.433	2.529	11.2	0	0	9.541
Stage3	13.35	64.812	13.324	ACTIVE	0.433	2.529	11.2	0	0	13.324
Stage3	12.95	73.334	17.014	ACTIVE	0.433	2.529	11.2	0	0	17.014
Stage3	12.55	81.714	20.642	ACTIVE	0.433	2.529	11.2	0	0	20.642
Stage3	12.15	88.736	23.683	ACTIVE	0.433	2.529	11.2	0	0	23.683
Stage3	11.75	96.155	26.896	ACTIVE	0.433	2.529	11.2	0	0	26.896
Stage3	11.35	103.84	30.223	ACTIVE	0.433	2.529	11.2	0	0	30.223
Stage3	10.95	111.571	33.57	ACTIVE	0.433	2.529	11.2	0	0	33.57
Stage3	10.55	119.338	36.934	ACTIVE	0.433	2.529	11.2	0	0	36.934
Stage3	10.15	124.189	39.034	ACTIVE	0.433	2.529	11.2	2.945	0.018	41.979
Stage3	9.95	126.443	40.01	ACTIVE	0.433	2.529	11.2	4.908	0.018	44.918
Stage3	9.55	130.329	41.692	ACTIVE	0.433	2.529	11.2	8.835	0.018	50.527
Stage3	9.15	134.235	47.308	UL-RL	0.433	2.529	11.2	12.761	0.018	60.069
Stage3	8.75	138.458	0	ACTIVE	0.165	10.98	275.2	16.688	0.018	16.688
Stage3	8.35	144.796	0	ACTIVE	0.165	10.98	275.2	20.615	0.018	20.615
Stage3	7.95	151.146	53.578	UL-RL	0.165	10.98	275.2	24.541	0.018	78.119
Stage3	7.55	157.508	106.699	V-C	0.165	10.98	275.2	28.468	0.018	135.167
Stage3	7.15	163.879	81.27	V-C	0.165	10.98	275.2	32.394	0.018	113.664
Stage3	6.75	170.259	51.237	UL-RL	0.165	10.98	275.2	36.321	0.018	87.558
Stage3	6.35	176.646	36.429	UL-RL	0.165	10.98	275.2	40.248	0.018	76.677
Stage3	5.95	183.039	33.86	UL-RL	0.165	10.98	275.2	44.174	0.018	78.034
Stage3	5.55	189.796	36.643	UL-RL	0.165	10.98	275.2	48.101	0.018	84.743
Stage3	5.15	196.187	40.437	UL-RL	0.165	10.98	275.2	52.028	0.018	92.464
Stage3	4.75	202.584	43.695	UL-RL	0.165	10.98	275.2	55.954	0.018	99.65
Stage3	4.35	208.986	46.315	UL-RL	0.165	10.98	275.2	59.881	0.018	106.196
Stage3	3.95	215.393	48.589	UL-RL	0.165	10.98	275.2	63.807	0.018	112.396
Stage3	3.55	221.804	50.756	UL-RL	0.165	10.98	275.2	67.734	0.018	118.49
Stage3	3.15	228.219	52.924	UL-RL	0.165	10.98	275.2	71.661	0.018	124.584
Stage3	2.75	234.637	55.115	UL-RL	0.165	10.98	275.2	75.587	0.018	130.702
Stage3	2.35	241.058	57.321	UL-RL	0.165	10.98	275.2	79.514	0.018	136.835
Stage3	1.95	247.482	59.53	UL-RL	0.165	10.98	275.2	83.44	0.018	142.971
Stage3	1.55	253.908	61.737	UL-RL	0.165	10.98	275.2	87.367	0.018	149.104
Stage3	1.15	260.337	63.939	UL-RL	0.165	10.98	275.2	91.294	0.018	155.233
Stage3	0.75	267.013	66.139	UL-RL	0.165	10.98	275.2	95.22	0.018	161.359
Stage3	0.35	273.44	68.336	UL-RL	0.165	10.98	275.2	99.147	0.018	167.482
Stage3	-0.05	279.87	70.531	UL-RL	0.165	10.98	275.2	103.073	0.018	173.604
Stage3	-0.45	286.301	72.725	UL-RL	0.165	10.98	275.2	107	0.018	179.725
Stage3	-0.85	292.735	74.918	UL-RL	0.165	10.98	275.2	110.927	0.018	185.844
Stage3	-1.25	299.17	77.11	UL-RL	0.165	10.98	275.2	114.853	0.018	191.963
Stage3	-1.45	302.494	78.206	UL-RL	0.165	10.98	275.2	116.816	0.018	195.022
Stage3	-1.85	308.93	80.397	UL-RL	0.165	10.98	275.2	120.743	0.018	201.14
Stage3	-2.25	315.367	82.588	UL-RL	0.165	10.98	275.2	124.67	0.018	207.258
Stage3	-2.65	321.806	84.779	UL-RL	0.165	10.98	275.2	128.596	0.018	213.376
Stage3	-3.05	328.246	86.97	UL-RL	0.165	10.98	275.2	132.523	0.018	219.493
Stage3	-3.45	334.687	89.161	UL-RL	0.165	10.98	275.2	136.45	0.018	225.611
Stage3	-3.85	341.13	91.352	UL-RL	0.165	10.98	275.2	140.376	0.018	231.728
Stage3	-4.25	347.574	93.543	UL-RL	0.165	10.98	275.2	144.303	0.018	237.846
Stage3	-4.65	354.018	95.735	UL-RL	0.165	10.98	275.2	148.229	0.018	243.964
Stage3	-5.05	360.464	97.927	UL-RL	0.165	10.98	275.2	152.156	0.018	250.083
Stage3	-5.45	366.912	100.119	UL-RL	0.165	10.98	275.2	156.083	0.018	256.202
Stage3	-5.85	373.359	102.312	UL-RL	0.165	10.98	275.2	160.009	0.018	262.321
Stage3	-6.25	379.975	104.506	UL-RL	0.165	10.98	275.2	163.936	0.018	268.441
Stage3	-6.65	386.422	106.7	UL-RL	0.165	10.98	275.2	167.862	0.018	274.562
Stage3	-7.05	392.87	108.894	UL-RL	0.165	10.98	275.2	171.789	0.018	280.683
Stage3	-7.45	399.318	111.089	UL-RL	0.165	10.98	275.2	175.716	0.018	286.805

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-7.85	405.768	113.285	UL-RL	0.165	10.98	275.2	179.642	0.018	0	292.927
Stage3	-8.25	412.218	115.482	UL-RL	0.165	10.98	275.2	183.569	0.018	0	299.05
Stage3	-8.65	418.668	117.679	UL-RL	0.165	10.98	275.2	187.495	0.018	0	305.174
Stage3	-9.05	425.12	119.877	UL-RL	0.165	10.98	275.2	191.422	0.018	0	311.299
Stage3	-9.45	431.572	122.076	UL-RL	0.165	10.98	275.2	195.349	0.018	0	317.424
Stage3	-9.85	438.025	124.275	UL-RL	0.165	10.98	275.2	199.275	0.018	0	323.55
Stage3	-10.25	444.479	126.475	UL-RL	0.165	10.98	275.2	203.202	0.018	0	329.677
Stage3	-10.65	450.933	128.676	UL-RL	0.165	10.98	275.2	207.128	0.018	0	335.805
Stage3	-11.05	457.525	130.878	UL-RL	0.165	10.98	275.2	211.055	0.018	0	341.933
Stage3	-11.45	463.978	133.081	UL-RL	0.165	10.98	275.2	214.982	0.018	0	348.062
Stage3	-11.85	470.432	135.284	UL-RL	0.165	10.98	275.2	218.908	0.018	0	354.192
Stage3	-12.25	476.886	137.488	UL-RL	0.165	10.98	275.2	222.835	0.018	0	360.323
Stage3	-12.65	483.341	139.693	UL-RL	0.165	10.98	275.2	226.762	0.018	0	366.455
Stage3	-13.05	489.796	141.899	UL-RL	0.165	10.98	275.2	230.688	0.018	0	372.587
Stage3	-13.45	496.252	144.105	UL-RL	0.165	10.98	275.2	234.615	0.018	0	378.72
Stage3	-13.85	502.709	146.313	UL-RL	0.165	10.98	275.2	238.541	0.018	0	384.854
Stage3	-14.25	509.165	148.521	UL-RL	0.165	10.98	275.2	242.468	0.018	0	390.989
Stage3	-14.65	515.622	150.729	UL-RL	0.165	10.98	275.2	246.394	0.018	0	397.124
Stage3	-15.05	522.08	152.939	UL-RL	0.165	10.98	275.2	250.321	0.018	0	403.26
Stage3	-15.45	528.656	155.149	UL-RL	0.165	10.98	275.2	254.248	0.018	0	409.397
Stage3	-15.85	535.113	157.36	UL-RL	0.165	10.98	275.2	258.174	0.018	0	415.535
Stage3	-16.25	541.57	159.572	UL-RL	0.165	10.98	275.2	262.101	0.018	0	421.673
Stage3	-16.65	548.028	161.785	UL-RL	0.165	10.98	275.2	266.027	0.018	0	427.812
Stage3	-17.05	554.486	163.998	UL-RL	0.165	10.98	275.2	269.954	0.018	0	433.952
Stage3	-17.3	558.564	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.15	2.945	43.07	PASSIVE	0.433	2.529	11.2	3.055	0.018	0	46.125
Stage3	8.75	7.172	395.116	V-C	0.165	10.98	275.2	7.128	0.018	0	402.245
Stage3	8.35	13.498	130.707	V-C	0.165	10.98	275.2	11.202	0.018	0	141.909
Stage3	7.95	19.825	22.667	UL-RL	0.165	10.98	275.2	15.275	0.018	0	37.942
Stage3	7.55	26.151	4.695	UL-RL	0.165	10.98	275.2	19.349	0.018	0	24.044
Stage3	7.15	32.478	18.302	UL-RL	0.165	10.98	275.2	23.422	0.018	0	41.724
Stage3	6.75	38.805	33.671	UL-RL	0.165	10.98	275.2	27.495	0.018	0	61.166
Stage3	6.35	45.131	42.82	UL-RL	0.165	10.98	275.2	31.569	0.018	0	74.389
Stage3	5.95	51.458	46.976	UL-RL	0.165	10.98	275.2	35.642	0.018	0	82.618
Stage3	5.55	57.784	48.932	UL-RL	0.165	10.98	275.2	39.716	0.018	0	88.648
Stage3	5.15	64.111	50.45	UL-RL	0.165	10.98	275.2	43.789	0.018	0	94.239
Stage3	4.75	70.438	52.162	UL-RL	0.165	10.98	275.2	47.862	0.018	0	100.024
Stage3	4.35	76.764	54.113	UL-RL	0.165	10.98	275.2	51.936	0.018	0	106.049
Stage3	3.95	83.091	56.19	UL-RL	0.165	10.98	275.2	56.009	0.018	0	112.199
Stage3	3.55	89.417	58.297	UL-RL	0.165	10.98	275.2	60.083	0.018	0	118.38
Stage3	3.15	95.744	60.395	UL-RL	0.165	10.98	275.2	64.156	0.018	0	124.55
Stage3	2.75	102.071	62.474	UL-RL	0.165	10.98	275.2	68.229	0.018	0	130.703
Stage3	2.35	108.397	64.541	UL-RL	0.165	10.98	275.2	72.303	0.018	0	136.844
Stage3	1.95	114.724	66.601	UL-RL	0.165	10.98	275.2	76.376	0.018	0	142.977
Stage3	1.55	121.05	68.657	UL-RL	0.165	10.98	275.2	80.45	0.018	0	149.106
Stage3	1.15	127.377	70.71	UL-RL	0.165	10.98	275.2	84.523	0.018	0	155.233
Stage3	0.75	133.704	72.762	UL-RL	0.165	10.98	275.2	88.596	0.018	0	161.358
Stage3	0.35	140.03	74.812	UL-RL	0.165	10.98	275.2	92.67	0.018	0	167.482
Stage3	-0.05	146.357	76.861	UL-RL	0.165	10.98	275.2	96.743	0.018	0	173.604
Stage3	-0.45	152.684	78.908	UL-RL	0.165	10.98	275.2	100.816	0.018	0	179.725
Stage3	-0.85	159.01	80.954	UL-RL	0.165	10.98	275.2	104.89	0.018	0	185.844
Stage3	-1.25	165.337	83	UL-RL	0.165	10.98	275.2	108.963	0.018	0	191.963
Stage3	-1.45	168.5	84.022	UL-RL	0.165	10.98	275.2	111	0.018	0	195.022
Stage3	-1.85	174.827	86.067	UL-RL	0.165	10.98	275.2	115.073	0.018	0	201.14
Stage3	-2.25	181.153	88.111	UL-RL	0.165	10.98	275.2	119.147	0.018	0	207.258
Stage3	-2.65	187.48	90.155	UL-RL	0.165	10.98	275.2	123.22	0.018	0	213.376
Stage3	-3.05	193.806	92.2	UL-RL	0.165	10.98	275.2	127.294	0.018	0	219.493
Stage3	-3.45	200.133	94.244	UL-RL	0.165	10.98	275.2	131.367	0.018	0	225.611
Stage3	-3.85	206.46	96.288	UL-RL	0.165	10.98	275.2	135.44	0.018	0	231.728
Stage3	-4.25	212.786	98.332	UL-RL	0.165	10.98	275.2	139.514	0.018	0	237.846
Stage3	-4.65	219.113	100.377	UL-RL	0.165	10.98	275.2	143.587	0.018	0	243.964
Stage3	-5.05	225.44	102.422	UL-RL	0.165	10.98	275.2	147.661	0.018	0	250.083
Stage3	-5.45	231.766	104.468	UL-RL	0.165	10.98	275.2	151.734	0.018	0	256.202
Stage3	-5.85	238.093	106.514	UL-RL	0.165	10.98	275.2	155.807	0.018	0	262.321
Stage3	-6.25	244.419	108.561	UL-RL	0.165	10.98	275.2	159.881	0.018	0	268.441
Stage3	-6.65	250.746	110.608	UL-RL	0.165	10.98	275.2	163.954	0.018	0	274.562
Stage3	-7.05	257.072	112.656	UL-RL	0.165	10.98	275.2	168.028	0.018	0	280.683
Stage3	-7.45	263.399	114.704	UL-RL	0.165	10.98	275.2	172.101	0.018	0	286.805
Stage3	-7.85	269.726	116.753	UL-RL	0.165	10.98	275.2	176.174	0.018	0	292.927
Stage3	-8.25	276.052	118.803	UL-RL	0.165	10.98	275.2	180.248	0.018	0	299.05
Stage3	-8.65	282.379	120.853	UL-RL	0.165	10.98	275.2	184.321	0.018	0	305.174

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-9.05	288.706	122.904	UL-RL	0.165	10.98	275.2	188.394	0.018	0	311.299
Stage3	-9.45	295.032	124.956	UL-RL	0.165	10.98	275.2	192.468	0.018	0	317.424
Stage3	-9.85	301.359	127.009	UL-RL	0.165	10.98	275.2	196.541	0.018	0	323.55
Stage3	-10.25	307.685	129.062	UL-RL	0.165	10.98	275.2	200.615	0.018	0	329.677
Stage3	-10.65	314.012	131.117	UL-RL	0.165	10.98	275.2	204.688	0.018	0	335.805
Stage3	-11.05	320.338	133.172	UL-RL	0.165	10.98	275.2	208.762	0.018	0	341.933
Stage3	-11.45	326.665	135.228	UL-RL	0.165	10.98	275.2	212.835	0.018	0	348.062
Stage3	-11.85	332.992	137.284	UL-RL	0.165	10.98	275.2	216.908	0.018	0	354.192
Stage3	-12.25	339.318	139.341	UL-RL	0.165	10.98	275.2	220.982	0.018	0	360.323
Stage3	-12.65	345.645	141.4	UL-RL	0.165	10.98	275.2	225.055	0.018	0	366.455
Stage3	-13.05	351.972	143.458	UL-RL	0.165	10.98	275.2	229.128	0.018	0	372.587
Stage3	-13.45	358.298	145.518	UL-RL	0.165	10.98	275.2	233.202	0.018	0	378.72
Stage3	-13.85	364.625	147.579	UL-RL	0.165	10.98	275.2	237.275	0.018	0	384.854
Stage3	-14.25	370.951	149.64	UL-RL	0.165	10.98	275.2	241.349	0.018	0	390.989
Stage3	-14.65	377.278	151.702	UL-RL	0.165	10.98	275.2	245.422	0.018	0	397.124
Stage3	-15.05	383.604	153.765	UL-RL	0.165	10.98	275.2	249.495	0.018	0	403.26
Stage3	-15.45	389.931	155.828	UL-RL	0.165	10.98	275.2	253.569	0.018	0	409.397
Stage3	-15.85	396.258	157.893	UL-RL	0.165	10.98	275.2	257.642	0.018	0	415.535
Stage3	-16.25	402.584	159.958	UL-RL	0.165	10.98	275.2	261.716	0.018	0	421.673
Stage3	-16.65	408.911	162.024	UL-RL	0.165	10.98	275.2	265.789	0.018	0	427.812
Stage3	-17.05	415.238	164.09	UL-RL	0.165	10.98	275.2	269.862	0.018	0	433.952
Stage3	-17.3	419.192	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage3

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	15.7	0	0	REMOVED	0	0	0	0	0	0	
Stage3	15.35	0	0	REMOVED	0	0	0	0	0	0	
Stage3	14.95	0	0	REMOVED	0	0	0	0	0	0	
Stage3	14.55	0	0	REMOVED	0	0	0	0	0	0	
Stage3	14.15	0	0	REMOVED	0	0	0	0	0	0	
Stage3	13.75	0	0	REMOVED	0	0	0	0	0	0	
Stage3	13.35	0	0	REMOVED	0	0	0	0	0	0	
Stage3	12.95	0	0	REMOVED	0	0	0	0	0	0	
Stage3	12.55	0	0	REMOVED	0	0	0	0	0	0	
Stage3	12.15	0	0	REMOVED	0	0	0	0	0	0	
Stage3	11.75	0	0	REMOVED	0	0	0	0	0	0	
Stage3	11.35	0	0	REMOVED	0	0	0	0	0	0	
Stage3	10.95	0	0	REMOVED	0	0	0	0	0	0	
Stage3	10.55	0	0	REMOVED	0	0	0	0	0	0	
Stage3	10.15	0	0	REMOVED	0	0	0	0	0	0	
Stage3	9.95	0	0	REMOVED	0	0	0	0	0	0	
Stage3	9.55	0	0	REMOVED	0	0	0	0	0	0	
Stage3	9.15	2.945	43.07	PASSIVE	0.433	2.529	11.2	3.055	0.018	0	46.125
Stage3	8.75	7.172	395.116	V-C	0.165	10.98	275.2	7.128	0.018	0	402.245
Stage3	8.35	13.498	130.707	V-C	0.165	10.98	275.2	11.202	0.018	0	141.909
Stage3	7.95	19.825	22.667	UL-RL	0.165	10.98	275.2	15.275	0.018	0	37.942
Stage3	7.55	26.151	4.695	UL-RL	0.165	10.98	275.2	19.349	0.018	0	24.044
Stage3	7.15	32.478	18.302	UL-RL	0.165	10.98	275.2	23.422	0.018	0	41.724
Stage3	6.75	38.805	33.671	UL-RL	0.165	10.98	275.2	27.495	0.018	0	61.166
Stage3	6.35	45.131	42.82	UL-RL	0.165	10.98	275.2	31.569	0.018	0	74.389
Stage3	5.95	51.458	46.976	UL-RL	0.165	10.98	275.2	35.642	0.018	0	82.618
Stage3	5.55	57.784	48.932	UL-RL	0.165	10.98	275.2	39.716	0.018	0	88.648
Stage3	5.15	64.111	50.45	UL-RL	0.165	10.98	275.2	43.789	0.018	0	94.239
Stage3	4.75	70.438	52.162	UL-RL	0.165	10.98	275.2	47.862	0.018	0	100.024
Stage3	4.35	76.764	54.113	UL-RL	0.165	10.98	275.2	51.936	0.018	0	106.049
Stage3	3.95	83.091	56.19	UL-RL	0.165	10.98	275.2	56.009	0.018	0	112.199
Stage3	3.55	89.417	58.297	UL-RL	0.165	10.98	275.2	60.083	0.018	0	118.38
Stage3	3.15	95.744	60.395	UL-RL	0.165	10.98	275.2	64.156	0.018	0	124.55
Stage3	2.75	102.071	62.474	UL-RL	0.165	10.98	275.2	68.229	0.018	0	130.703
Stage3	2.35	108.397	64.541	UL-RL	0.165	10.98	275.2	72.303	0.018	0	136.844
Stage3	1.95	114.724	66.601	UL-RL	0.165	10.98	275.2	76.376	0.018	0	142.977
Stage3	1.55	121.05	68.657	UL-RL	0.165	10.98	275.2	80.45	0.018	0	149.106
Stage3	1.15	127.377	70.71	UL-RL	0.165	10.98	275.2	84.523	0.018	0	155.233
Stage3	0.75	133.704	72.762	UL-RL	0.165	10.98	275.2	88.596	0.018	0	161.358
Stage3	0.35	140.03	74.812	UL-RL	0.165	10.98	275.2	92.67	0.018	0	167.482
Stage3	-0.05	146.357	76.861	UL-RL	0.165	10.98	275.2	96.743	0.018	0	173.604
Stage3	-0.45	152.684	78.908	UL-RL	0.165	10.98	275.2	100.816	0.018	0	179.725
Stage3	-0.85	159.01	80.954	UL-RL	0.165	10.98	275.2	104.89	0.018	0	185.844
Stage3	-1.25	165.337	83	UL-RL	0.165	10.98	275.2	108.963	0.018	0	191.963
Stage3	-1.45	168.5	84.022	UL-RL	0.165	10.98	275.2	111	0.018	0	195.022
Stage3	-1.85	174.827	86.067	UL-RL	0.165	10.98	275.2	115.073	0.018	0	201.14
Stage3	-2.25	181.153	88.111	UL-RL	0.165	10.98	275.2	119.147	0.018	0	207.258
Stage3	-2.65	187.48	90.155	UL-RL	0.165	10.98	275.2	123.22	0.018	0	213.376
Stage3	-3.05	193.806	92.2	UL-RL	0.165	10.98	275.2	127.294	0.018	0	219.493
Stage3	-3.45	200.133	94.244	UL-RL	0.165	10.98	275.2	131.367	0.018	0	225.611
Stage3	-3.85	206.46	96.288	UL-RL	0.165	10.98	275.2	135.44	0.018	0	231.728
Stage3	-4.25	212.786	98.332	UL-RL	0.165	10.98	275.2	139.514	0.018	0	237.846
Stage3	-4.65	219.113	100.377	UL-RL	0.165	10.98	275.2	143.587	0.018	0	243.964
Stage3	-5.05	225.44	102.422	UL-RL	0.165	10.98	275.2	147.661	0.018	0	250.083
Stage3	-5.45	231.766	104.468	UL-RL	0.165	10.98	275.2	151.734	0.018	0	256.202
Stage3	-5.85	238.093	106.514	UL-RL	0.165	10.98	275.2	155.807	0.018	0	262.321
Stage3	-6.25	244.419	108.561	UL-RL	0.165	10.98	275.2	159.881	0.018	0	268.441
Stage3	-6.65	250.746	110.608	UL-RL	0.165	10.98	275.2	163.954	0.018	0	274.562
Stage3	-7.05	257.072	112.656	UL-RL	0.165	10.98	275.2	168.028	0.018	0	280.683
Stage3	-7.45	263.399	114.704	UL-RL	0.165	10.98	275.2	172.101	0.018	0	286.805

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT	Lato		LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-7.85	269.726	116.753	UL-RL	0.165	10.98	275.2	176.174	0.018	0	292.927
Stage3	-8.25	276.052	118.803	UL-RL	0.165	10.98	275.2	180.248	0.018	0	299.05
Stage3	-8.65	282.379	120.853	UL-RL	0.165	10.98	275.2	184.321	0.018	0	305.174
Stage3	-9.05	288.706	122.904	UL-RL	0.165	10.98	275.2	188.394	0.018	0	311.299
Stage3	-9.45	295.032	124.956	UL-RL	0.165	10.98	275.2	192.468	0.018	0	317.424
Stage3	-9.85	301.359	127.009	UL-RL	0.165	10.98	275.2	196.541	0.018	0	323.55
Stage3	-10.25	307.685	129.062	UL-RL	0.165	10.98	275.2	200.615	0.018	0	329.677
Stage3	-10.65	314.012	131.117	UL-RL	0.165	10.98	275.2	204.688	0.018	0	335.805
Stage3	-11.05	320.338	133.172	UL-RL	0.165	10.98	275.2	208.762	0.018	0	341.933
Stage3	-11.45	326.665	135.228	UL-RL	0.165	10.98	275.2	212.835	0.018	0	348.062
Stage3	-11.85	332.992	137.284	UL-RL	0.165	10.98	275.2	216.908	0.018	0	354.192
Stage3	-12.25	339.318	139.341	UL-RL	0.165	10.98	275.2	220.982	0.018	0	360.323
Stage3	-12.65	345.645	141.4	UL-RL	0.165	10.98	275.2	225.055	0.018	0	366.455
Stage3	-13.05	351.972	143.458	UL-RL	0.165	10.98	275.2	229.128	0.018	0	372.587
Stage3	-13.45	358.298	145.518	UL-RL	0.165	10.98	275.2	233.202	0.018	0	378.72
Stage3	-13.85	364.625	147.579	UL-RL	0.165	10.98	275.2	237.275	0.018	0	384.854
Stage3	-14.25	370.951	149.64	UL-RL	0.165	10.98	275.2	241.349	0.018	0	390.989
Stage3	-14.65	377.278	151.702	UL-RL	0.165	10.98	275.2	245.422	0.018	0	397.124
Stage3	-15.05	383.604	153.765	UL-RL	0.165	10.98	275.2	249.495	0.018	0	403.26
Stage3	-15.45	389.931	155.828	UL-RL	0.165	10.98	275.2	253.569	0.018	0	409.397
Stage3	-15.85	396.258	157.893	UL-RL	0.165	10.98	275.2	257.642	0.018	0	415.535
Stage3	-16.25	402.584	159.958	UL-RL	0.165	10.98	275.2	261.716	0.018	0	421.673
Stage3	-16.65	408.911	162.024	UL-RL	0.165	10.98	275.2	265.789	0.018	0	427.812
Stage3	-17.05	415.238	164.09	UL-RL	0.165	10.98	275.2	269.862	0.018	0	433.952
Stage3	-17.3	419.192	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVOPOZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALICOMMESSA LOTTO CODIFICA DOCUMENTO REV. ALLEGATI
IV01 00 D 07 CL PZ 02 00 001 A 1

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	15.7	0	16.274	V-C	0.433	2.529	11.2	0	0	16.274	
Stage3	15.35	17.456	3.779	UL-RL	0.433	2.529	11.2	0	0	3.779	
Stage3	14.95	29.031	0	ACTIVE	0.433	2.529	11.2	0	0	0	
Stage3	14.55	38.71	2.022	ACTIVE	0.433	2.529	11.2	0	0	2.022	
Stage3	14.15	47.458	5.809	ACTIVE	0.433	2.529	11.2	0	0	5.809	
Stage3	13.75	56.076	9.541	ACTIVE	0.433	2.529	11.2	0	0	9.541	
Stage3	13.35	64.812	13.324	ACTIVE	0.433	2.529	11.2	0	0	13.324	
Stage3	12.95	73.334	17.014	ACTIVE	0.433	2.529	11.2	0	0	17.014	
Stage3	12.55	81.714	20.642	ACTIVE	0.433	2.529	11.2	0	0	20.642	
Stage3	12.15	88.736	23.683	ACTIVE	0.433	2.529	11.2	0	0	23.683	
Stage3	11.75	96.155	26.896	ACTIVE	0.433	2.529	11.2	0	0	26.896	
Stage3	11.35	103.84	30.223	ACTIVE	0.433	2.529	11.2	0	0	30.223	
Stage3	10.95	111.571	33.57	ACTIVE	0.433	2.529	11.2	0	0	33.57	
Stage3	10.55	119.338	36.934	ACTIVE	0.433	2.529	11.2	0	0	36.934	
Stage3	10.15	124.189	39.034	ACTIVE	0.433	2.529	11.2	2.945	0.018	41.979	
Stage3	9.95	126.443	40.01	ACTIVE	0.433	2.529	11.2	4.908	0.018	44.918	
Stage3	9.55	130.329	41.692	ACTIVE	0.433	2.529	11.2	8.835	0.018	50.527	
Stage3	9.15	134.235	47.308	UL-RL	0.433	2.529	11.2	12.761	0.018	60.069	
Stage3	8.75	138.458	0	ACTIVE	0.165	10.98	275.2	16.688	0.018	16.688	
Stage3	8.35	144.796	0	ACTIVE	0.165	10.98	275.2	20.615	0.018	20.615	
Stage3	7.95	151.146	53.578	UL-RL	0.165	10.98	275.2	24.541	0.018	78.119	
Stage3	7.55	157.508	106.699	V-C	0.165	10.98	275.2	28.468	0.018	135.167	
Stage3	7.15	163.879	81.27	V-C	0.165	10.98	275.2	32.394	0.018	113.664	
Stage3	6.75	170.259	51.237	UL-RL	0.165	10.98	275.2	36.321	0.018	87.558	
Stage3	6.35	176.646	36.429	UL-RL	0.165	10.98	275.2	40.248	0.018	76.677	
Stage3	5.95	183.039	33.86	UL-RL	0.165	10.98	275.2	44.174	0.018	78.034	
Stage3	5.55	189.796	36.643	UL-RL	0.165	10.98	275.2	48.101	0.018	84.743	
Stage3	5.15	196.187	40.437	UL-RL	0.165	10.98	275.2	52.028	0.018	92.464	
Stage3	4.75	202.584	43.695	UL-RL	0.165	10.98	275.2	55.954	0.018	99.65	
Stage3	4.35	208.986	46.315	UL-RL	0.165	10.98	275.2	59.881	0.018	106.196	
Stage3	3.95	215.393	48.589	UL-RL	0.165	10.98	275.2	63.807	0.018	112.396	
Stage3	3.55	221.804	50.756	UL-RL	0.165	10.98	275.2	67.734	0.018	118.49	
Stage3	3.15	228.219	52.924	UL-RL	0.165	10.98	275.2	71.661	0.018	124.584	
Stage3	2.75	234.637	55.115	UL-RL	0.165	10.98	275.2	75.587	0.018	130.702	
Stage3	2.35	241.058	57.321	UL-RL	0.165	10.98	275.2	79.514	0.018	136.835	
Stage3	1.95	247.482	59.53	UL-RL	0.165	10.98	275.2	83.44	0.018	142.971	
Stage3	1.55	253.908	61.737	UL-RL	0.165	10.98	275.2	87.367	0.018	149.104	
Stage3	1.15	260.337	63.939	UL-RL	0.165	10.98	275.2	91.294	0.018	155.233	
Stage3	0.75	267.013	66.139	UL-RL	0.165	10.98	275.2	95.22	0.018	161.359	
Stage3	0.35	273.44	68.336	UL-RL	0.165	10.98	275.2	99.147	0.018	167.482	
Stage3	-0.05	279.87	70.531	UL-RL	0.165	10.98	275.2	103.073	0.018	173.604	
Stage3	-0.45	286.301	72.725	UL-RL	0.165	10.98	275.2	107	0.018	179.725	
Stage3	-0.85	292.735	74.918	UL-RL	0.165	10.98	275.2	110.927	0.018	185.844	
Stage3	-1.25	299.17	77.11	UL-RL	0.165	10.98	275.2	114.853	0.018	191.963	
Stage3	-1.45	302.494	78.206	UL-RL	0.165	10.98	275.2	116.816	0.018	195.022	
Stage3	-1.85	308.93	80.397	UL-RL	0.165	10.98	275.2	120.743	0.018	201.14	
Stage3	-2.25	315.367	82.588	UL-RL	0.165	10.98	275.2	124.67	0.018	207.258	
Stage3	-2.65	321.806	84.779	UL-RL	0.165	10.98	275.2	128.596	0.018	213.376	
Stage3	-3.05	328.246	86.97	UL-RL	0.165	10.98	275.2	132.523	0.018	219.493	
Stage3	-3.45	334.687	89.161	UL-RL	0.165	10.98	275.2	136.45	0.018	225.611	
Stage3	-3.85	341.13	91.352	UL-RL	0.165	10.98	275.2	140.376	0.018	231.728	
Stage3	-4.25	347.574	93.543	UL-RL	0.165	10.98	275.2	144.303	0.018	237.846	
Stage3	-4.65	354.018	95.735	UL-RL	0.165	10.98	275.2	148.229	0.018	243.964	
Stage3	-5.05	360.464	97.927	UL-RL	0.165	10.98	275.2	152.156	0.018	250.083	
Stage3	-5.45	366.912	100.119	UL-RL	0.165	10.98	275.2	156.083	0.018	256.202	
Stage3	-5.85	373.359	102.312	UL-RL	0.165	10.98	275.2	160.009	0.018	262.321	
Stage3	-6.25	379.975	104.506	UL-RL	0.165	10.98	275.2	163.936	0.018	268.441	
Stage3	-6.65	386.422	106.7	UL-RL	0.165	10.98	275.2	167.862	0.018	274.562	
Stage3	-7.05	392.87	108.894	UL-RL	0.165	10.98	275.2	171.789	0.018	280.683	
Stage3	-7.45	399.318	111.089	UL-RL	0.165	10.98	275.2	175.716	0.018	286.805	
Stage3	-7.85	405.768	113.285	UL-RL	0.165	10.98	275.2	179.642	0.018	292.927	
Stage3	-8.25	412.218	115.482	UL-RL	0.165	10.98	275.2	183.569	0.018	299.05	
Stage3	-8.65	418.668	117.679	UL-RL	0.165	10.98	275.2	187.495	0.018	305.174	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-9.05	425.12	119.877	UL-RL	0.165	10.98	275.2	191.422	0.018	0	311.299
Stage3	-9.45	431.572	122.076	UL-RL	0.165	10.98	275.2	195.349	0.018	0	317.424
Stage3	-9.85	438.025	124.275	UL-RL	0.165	10.98	275.2	199.275	0.018	0	323.55
Stage3	-10.25	444.479	126.475	UL-RL	0.165	10.98	275.2	203.202	0.018	0	329.677
Stage3	-10.65	450.933	128.676	UL-RL	0.165	10.98	275.2	207.128	0.018	0	335.805
Stage3	-11.05	457.525	130.878	UL-RL	0.165	10.98	275.2	211.055	0.018	0	341.933
Stage3	-11.45	463.978	133.081	UL-RL	0.165	10.98	275.2	214.982	0.018	0	348.062
Stage3	-11.85	470.432	135.284	UL-RL	0.165	10.98	275.2	218.908	0.018	0	354.192
Stage3	-12.25	476.886	137.488	UL-RL	0.165	10.98	275.2	222.835	0.018	0	360.323
Stage3	-12.65	483.341	139.693	UL-RL	0.165	10.98	275.2	226.762	0.018	0	366.455
Stage3	-13.05	489.796	141.899	UL-RL	0.165	10.98	275.2	230.688	0.018	0	372.587
Stage3	-13.45	496.252	144.105	UL-RL	0.165	10.98	275.2	234.615	0.018	0	378.72
Stage3	-13.85	502.709	146.313	UL-RL	0.165	10.98	275.2	238.541	0.018	0	384.854
Stage3	-14.25	509.165	148.521	UL-RL	0.165	10.98	275.2	242.468	0.018	0	390.989
Stage3	-14.65	515.622	150.729	UL-RL	0.165	10.98	275.2	246.394	0.018	0	397.124
Stage3	-15.05	522.08	152.939	UL-RL	0.165	10.98	275.2	250.321	0.018	0	403.26
Stage3	-15.45	528.656	155.149	UL-RL	0.165	10.98	275.2	254.248	0.018	0	409.397
Stage3	-15.85	535.113	157.36	UL-RL	0.165	10.98	275.2	258.174	0.018	0	415.535
Stage3	-16.25	541.57	159.572	UL-RL	0.165	10.98	275.2	262.101	0.018	0	421.673
Stage3	-16.65	548.028	161.785	UL-RL	0.165	10.98	275.2	266.027	0.018	0	427.812
Stage3	-17.05	554.486	163.998	UL-RL	0.165	10.98	275.2	269.954	0.018	0	433.952
Stage3	-17.3	558.564	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage4

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT		Lato		LEFT		
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage4	15.7	0	16.274	UL-RL	0.433	2.529	11.2	0	0	16.274
Stage4	15.35	17.456	3.779	UL-RL	0.433	2.529	11.2	0	0	3.779
Stage4	14.95	29.031	0	UL-RL	0.433	2.529	11.2	0	0	0
Stage4	14.55	38.71	2.022	UL-RL	0.433	2.529	11.2	0	0	2.022
Stage4	14.15	47.458	5.809	UL-RL	0.433	2.529	11.2	0	0	5.809
Stage4	13.75	56.076	9.541	UL-RL	0.433	2.529	11.2	0	0	9.541
Stage4	13.35	64.812	13.324	UL-RL	0.433	2.529	11.2	0	0	13.324
Stage4	12.95	73.334	17.014	UL-RL	0.433	2.529	11.2	0	0	17.014
Stage4	12.55	81.714	20.642	UL-RL	0.433	2.529	11.2	0	0	20.642
Stage4	12.15	88.736	23.683	UL-RL	0.433	2.529	11.2	0	0	23.683
Stage4	11.75	96.155	26.896	UL-RL	0.433	2.529	11.2	0	0	26.896
Stage4	11.35	103.84	30.223	UL-RL	0.433	2.529	11.2	0	0	30.223
Stage4	10.95	111.571	33.57	UL-RL	0.433	2.529	11.2	0	0	33.57
Stage4	10.55	119.338	36.934	UL-RL	0.433	2.529	11.2	0	0	36.934
Stage4	10.15	124.189	39.034	UL-RL	0.433	2.529	11.2	2.945	0.018	41.979
Stage4	9.95	126.443	40.01	UL-RL	0.433	2.529	11.2	4.908	0.018	44.918
Stage4	9.55	130.329	41.692	UL-RL	0.433	2.529	11.2	8.835	0.018	50.527
Stage4	9.15	134.235	47.308	UL-RL	0.433	2.529	11.2	12.761	0.018	60.069
Stage4	8.75	138.458	0	UL-RL	0.165	10.98	275.2	16.688	0.018	16.688
Stage4	8.35	144.796	0	ACTIVE	0.165	10.98	275.2	20.615	0.018	20.615
Stage4	7.95	151.146	53.578	UL-RL	0.165	10.98	275.2	24.541	0.018	78.119
Stage4	7.55	157.508	106.699	UL-RL	0.165	10.98	275.2	28.468	0.018	135.167
Stage4	7.15	163.879	81.27	UL-RL	0.165	10.98	275.2	32.394	0.018	113.664
Stage4	6.75	170.259	51.237	UL-RL	0.165	10.98	275.2	36.321	0.018	87.558
Stage4	6.35	176.646	36.429	UL-RL	0.165	10.98	275.2	40.248	0.018	76.677
Stage4	5.95	183.039	33.86	UL-RL	0.165	10.98	275.2	44.174	0.018	78.034
Stage4	5.55	189.796	36.643	UL-RL	0.165	10.98	275.2	48.101	0.018	84.743
Stage4	5.15	196.187	40.437	UL-RL	0.165	10.98	275.2	52.028	0.018	92.464
Stage4	4.75	202.584	43.695	UL-RL	0.165	10.98	275.2	55.954	0.018	99.65
Stage4	4.35	208.986	46.315	UL-RL	0.165	10.98	275.2	59.881	0.018	106.196
Stage4	3.95	215.393	48.589	UL-RL	0.165	10.98	275.2	63.807	0.018	112.396
Stage4	3.55	221.804	50.756	UL-RL	0.165	10.98	275.2	67.734	0.018	118.49
Stage4	3.15	228.219	52.924	UL-RL	0.165	10.98	275.2	71.661	0.018	124.584
Stage4	2.75	234.637	55.115	UL-RL	0.165	10.98	275.2	75.587	0.018	130.702
Stage4	2.35	241.058	57.321	UL-RL	0.165	10.98	275.2	79.514	0.018	136.835
Stage4	1.95	247.482	59.53	UL-RL	0.165	10.98	275.2	83.44	0.018	142.971
Stage4	1.55	253.908	61.737	UL-RL	0.165	10.98	275.2	87.367	0.018	149.104
Stage4	1.15	260.337	63.939	UL-RL	0.165	10.98	275.2	91.294	0.018	155.233
Stage4	0.75	267.013	66.139	UL-RL	0.165	10.98	275.2	95.22	0.018	161.359
Stage4	0.35	273.44	68.336	UL-RL	0.165	10.98	275.2	99.147	0.018	167.482
Stage4	-0.05	279.87	70.531	UL-RL	0.165	10.98	275.2	103.073	0.018	173.604
Stage4	-0.45	286.301	72.725	UL-RL	0.165	10.98	275.2	107	0.018	179.725
Stage4	-0.85	292.735	74.918	UL-RL	0.165	10.98	275.2	110.927	0.018	185.844
Stage4	-1.25	299.17	77.11	UL-RL	0.165	10.98	275.2	114.853	0.018	191.963
Stage4	-1.45	302.494	78.206	UL-RL	0.165	10.98	275.2	116.816	0.018	195.022
Stage4	-1.85	308.93	80.397	UL-RL	0.165	10.98	275.2	120.743	0.018	201.14
Stage4	-2.25	315.367	82.588	UL-RL	0.165	10.98	275.2	124.67	0.018	207.258
Stage4	-2.65	321.806	84.779	UL-RL	0.165	10.98	275.2	128.596	0.018	213.376
Stage4	-3.05	328.246	86.97	UL-RL	0.165	10.98	275.2	132.523	0.018	219.493
Stage4	-3.45	334.687	89.161	UL-RL	0.165	10.98	275.2	136.45	0.018	225.611
Stage4	-3.85	341.13	91.352	UL-RL	0.165	10.98	275.2	140.376	0.018	231.728
Stage4	-4.25	347.574	93.543	UL-RL	0.165	10.98	275.2	144.303	0.018	237.846
Stage4	-4.65	354.018	95.735	UL-RL	0.165	10.98	275.2	148.229	0.018	243.964
Stage4	-5.05	360.464	97.927	UL-RL	0.165	10.98	275.2	152.156	0.018	250.083
Stage4	-5.45	366.912	100.119	UL-RL	0.165	10.98	275.2	156.083	0.018	256.202
Stage4	-5.85	373.359	102.312	UL-RL	0.165	10.98	275.2	160.009	0.018	262.321
Stage4	-6.25	379.975	104.506	UL-RL	0.165	10.98	275.2	163.936	0.018	268.441
Stage4	-6.65	386.422	106.7	UL-RL	0.165	10.98	275.2	167.862	0.018	274.562
Stage4	-7.05	392.87	108.894	UL-RL	0.165	10.98	275.2	171.789	0.018	280.683
Stage4	-7.45	399.318	111.089	UL-RL	0.165	10.98	275.2	175.716	0.018	286.805

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-7.85	405.768	113.285	UL-RL	0.165	10.98	275.2	179.642	0.018	0	292.927
Stage4	-8.25	412.218	115.482	UL-RL	0.165	10.98	275.2	183.569	0.018	0	299.05
Stage4	-8.65	418.668	117.679	UL-RL	0.165	10.98	275.2	187.495	0.018	0	305.174
Stage4	-9.05	425.12	119.877	UL-RL	0.165	10.98	275.2	191.422	0.018	0	311.299
Stage4	-9.45	431.572	122.076	UL-RL	0.165	10.98	275.2	195.349	0.018	0	317.424
Stage4	-9.85	438.025	124.275	UL-RL	0.165	10.98	275.2	199.275	0.018	0	323.55
Stage4	-10.25	444.479	126.475	UL-RL	0.165	10.98	275.2	203.202	0.018	0	329.677
Stage4	-10.65	450.933	128.676	UL-RL	0.165	10.98	275.2	207.128	0.018	0	335.805
Stage4	-11.05	457.525	130.878	UL-RL	0.165	10.98	275.2	211.055	0.018	0	341.933
Stage4	-11.45	463.978	133.081	UL-RL	0.165	10.98	275.2	214.982	0.018	0	348.062
Stage4	-11.85	470.432	135.284	UL-RL	0.165	10.98	275.2	218.908	0.018	0	354.192
Stage4	-12.25	476.886	137.488	UL-RL	0.165	10.98	275.2	222.835	0.018	0	360.323
Stage4	-12.65	483.341	139.693	UL-RL	0.165	10.98	275.2	226.762	0.018	0	366.455
Stage4	-13.05	489.796	141.899	UL-RL	0.165	10.98	275.2	230.688	0.018	0	372.587
Stage4	-13.45	496.252	144.105	UL-RL	0.165	10.98	275.2	234.615	0.018	0	378.72
Stage4	-13.85	502.709	146.313	UL-RL	0.165	10.98	275.2	238.541	0.018	0	384.854
Stage4	-14.25	509.165	148.521	UL-RL	0.165	10.98	275.2	242.468	0.018	0	390.989
Stage4	-14.65	515.622	150.729	UL-RL	0.165	10.98	275.2	246.394	0.018	0	397.124
Stage4	-15.05	522.08	152.939	UL-RL	0.165	10.98	275.2	250.321	0.018	0	403.26
Stage4	-15.45	528.656	155.149	UL-RL	0.165	10.98	275.2	254.248	0.018	0	409.397
Stage4	-15.85	535.113	157.36	UL-RL	0.165	10.98	275.2	258.174	0.018	0	415.535
Stage4	-16.25	541.57	159.572	UL-RL	0.165	10.98	275.2	262.101	0.018	0	421.673
Stage4	-16.65	548.028	161.785	UL-RL	0.165	10.98	275.2	266.027	0.018	0	427.812
Stage4	-17.05	554.486	163.998	UL-RL	0.165	10.98	275.2	269.954	0.018	0	433.952
Stage4	-17.3	558.564	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)		
Stage4	15.7	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	15.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	14.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	14.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	14.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	13.75	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	13.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	12.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	12.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	12.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	11.75	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	11.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	10.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	10.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	10.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	9.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	9.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage4	9.15	2.945	43.07	UL-RL	0.433	2.529	11.2	3.055	0.018	0	46.125	
Stage4	8.75	7.172	395.116	UL-RL	0.165	10.98	275.2	7.128	0.018	0	402.245	
Stage4	8.35	13.498	130.707	V-C	0.165	10.98	275.2	11.202	0.018	0	141.909	
Stage4	7.95	19.825	22.667	UL-RL	0.165	10.98	275.2	15.275	0.018	0	37.942	
Stage4	7.55	26.151	4.695	UL-RL	0.165	10.98	275.2	19.349	0.018	0	24.044	
Stage4	7.15	32.478	18.302	UL-RL	0.165	10.98	275.2	23.422	0.018	0	41.724	
Stage4	6.75	38.805	33.671	UL-RL	0.165	10.98	275.2	27.495	0.018	0	61.166	
Stage4	6.35	45.131	42.82	UL-RL	0.165	10.98	275.2	31.569	0.018	0	74.389	
Stage4	5.95	51.458	46.976	UL-RL	0.165	10.98	275.2	35.642	0.018	0	82.618	
Stage4	5.55	57.784	48.932	UL-RL	0.165	10.98	275.2	39.716	0.018	0	88.648	
Stage4	5.15	64.111	50.45	UL-RL	0.165	10.98	275.2	43.789	0.018	0	94.239	
Stage4	4.75	70.438	52.162	UL-RL	0.165	10.98	275.2	47.862	0.018	0	100.024	
Stage4	4.35	76.764	54.113	UL-RL	0.165	10.98	275.2	51.936	0.018	0	106.049	
Stage4	3.95	83.091	56.19	UL-RL	0.165	10.98	275.2	56.009	0.018	0	112.199	
Stage4	3.55	89.417	58.297	UL-RL	0.165	10.98	275.2	60.083	0.018	0	118.38	
Stage4	3.15	95.744	60.395	UL-RL	0.165	10.98	275.2	64.156	0.018	0	124.55	
Stage4	2.75	102.071	62.474	UL-RL	0.165	10.98	275.2	68.229	0.018	0	130.703	
Stage4	2.35	108.397	64.541	UL-RL	0.165	10.98	275.2	72.303	0.018	0	136.844	
Stage4	1.95	114.724	66.601	UL-RL	0.165	10.98	275.2	76.376	0.018	0	142.977	
Stage4	1.55	121.05	68.657	UL-RL	0.165	10.98	275.2	80.45	0.018	0	149.106	
Stage4	1.15	127.377	70.71	UL-RL	0.165	10.98	275.2	84.523	0.018	0	155.233	
Stage4	0.75	133.704	72.762	UL-RL	0.165	10.98	275.2	88.596	0.018	0	161.358	
Stage4	0.35	140.03	74.812	UL-RL	0.165	10.98	275.2	92.67	0.018	0	167.482	
Stage4	-0.05	146.357	76.861	UL-RL	0.165	10.98	275.2	96.743	0.018	0	173.604	
Stage4	-0.45	152.684	78.908	UL-RL	0.165	10.98	275.2	100.816	0.018	0	179.725	
Stage4	-0.85	159.01	80.954	UL-RL	0.165	10.98	275.2	104.89	0.018	0	185.844	
Stage4	-1.25	165.337	83	UL-RL	0.165	10.98	275.2	108.963	0.018	0	191.963	
Stage4	-1.45	168.5	84.022	UL-RL	0.165	10.98	275.2	111	0.018	0	195.022	
Stage4	-1.85	174.827	86.067	UL-RL	0.165	10.98	275.2	115.073	0.018	0	201.14	
Stage4	-2.25	181.153	88.111	UL-RL	0.165	10.98	275.2	119.147	0.018	0	207.258	
Stage4	-2.65	187.48	90.155	UL-RL	0.165	10.98	275.2	123.22	0.018	0	213.376	
Stage4	-3.05	193.806	92.2	UL-RL	0.165	10.98	275.2	127.294	0.018	0	219.493	
Stage4	-3.45	200.133	94.244	UL-RL	0.165	10.98	275.2	131.367	0.018	0	225.611	
Stage4	-3.85	206.46	96.288	UL-RL	0.165	10.98	275.2	135.44	0.018	0	231.728	
Stage4	-4.25	212.786	98.332	UL-RL	0.165	10.98	275.2	139.514	0.018	0	237.846	
Stage4	-4.65	219.113	100.377	UL-RL	0.165	10.98	275.2	143.587	0.018	0	243.964	
Stage4	-5.05	225.44	102.422	UL-RL	0.165	10.98	275.2	147.661	0.018	0	250.083	
Stage4	-5.45	231.766	104.468	UL-RL	0.165	10.98	275.2	151.734	0.018	0	256.202	
Stage4	-5.85	238.093	106.514	UL-RL	0.165	10.98	275.2	155.807	0.018	0	262.321	
Stage4	-6.25	244.419	108.561	UL-RL	0.165	10.98	275.2	159.881	0.018	0	268.441	
Stage4	-6.65	250.746	110.608	UL-RL	0.165	10.98	275.2	163.954	0.018	0	274.562	
Stage4	-7.05	257.072	112.656	UL-RL	0.165	10.98	275.2	168.028	0.018	0	280.683	
Stage4	-7.45	263.399	114.704	UL-RL	0.165	10.98	275.2	172.101	0.018	0	286.805	
Stage4	-7.85	269.726	116.753	UL-RL	0.165	10.98	275.2	176.174	0.018	0	292.927	
Stage4	-8.25	276.052	118.803	UL-RL	0.165	10.98	275.2	180.248	0.018	0	299.05	
Stage4	-8.65	282.379	120.853	UL-RL	0.165	10.98	275.2	184.321	0.018	0	305.174	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-9.05	288.706	122.904	UL-RL	0.165	10.98	275.2	188.394	0.018	0	311.299
Stage4	-9.45	295.032	124.956	UL-RL	0.165	10.98	275.2	192.468	0.018	0	317.424
Stage4	-9.85	301.359	127.009	UL-RL	0.165	10.98	275.2	196.541	0.018	0	323.55
Stage4	-10.25	307.685	129.062	UL-RL	0.165	10.98	275.2	200.615	0.018	0	329.677
Stage4	-10.65	314.012	131.117	UL-RL	0.165	10.98	275.2	204.688	0.018	0	335.805
Stage4	-11.05	320.338	133.172	UL-RL	0.165	10.98	275.2	208.762	0.018	0	341.933
Stage4	-11.45	326.665	135.228	UL-RL	0.165	10.98	275.2	212.835	0.018	0	348.062
Stage4	-11.85	332.992	137.284	UL-RL	0.165	10.98	275.2	216.908	0.018	0	354.192
Stage4	-12.25	339.318	139.341	UL-RL	0.165	10.98	275.2	220.982	0.018	0	360.323
Stage4	-12.65	345.645	141.4	UL-RL	0.165	10.98	275.2	225.055	0.018	0	366.455
Stage4	-13.05	351.972	143.458	UL-RL	0.165	10.98	275.2	229.128	0.018	0	372.587
Stage4	-13.45	358.298	145.518	UL-RL	0.165	10.98	275.2	233.202	0.018	0	378.72
Stage4	-13.85	364.625	147.579	UL-RL	0.165	10.98	275.2	237.275	0.018	0	384.854
Stage4	-14.25	370.951	149.64	UL-RL	0.165	10.98	275.2	241.349	0.018	0	390.989
Stage4	-14.65	377.278	151.702	UL-RL	0.165	10.98	275.2	245.422	0.018	0	397.124
Stage4	-15.05	383.604	153.765	UL-RL	0.165	10.98	275.2	249.495	0.018	0	403.26
Stage4	-15.45	389.931	155.828	UL-RL	0.165	10.98	275.2	253.569	0.018	0	409.397
Stage4	-15.85	396.258	157.893	UL-RL	0.165	10.98	275.2	257.642	0.018	0	415.535
Stage4	-16.25	402.584	159.958	UL-RL	0.165	10.98	275.2	261.716	0.018	0	421.673
Stage4	-16.65	408.911	162.024	UL-RL	0.165	10.98	275.2	265.789	0.018	0	427.812
Stage4	-17.05	415.238	164.09	UL-RL	0.165	10.98	275.2	269.862	0.018	0	433.952
Stage4	-17.3	419.192	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage4

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		LEFT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.15	2.945	43.07	UL-RL	0.433	2.529	11.2	3.055	0.018	0	46.125
Stage4	8.75	7.172	395.116	UL-RL	0.165	10.98	275.2	7.128	0.018	0	402.245
Stage4	8.35	13.498	130.707	V-C	0.165	10.98	275.2	11.202	0.018	0	141.909
Stage4	7.95	19.825	22.667	UL-RL	0.165	10.98	275.2	15.275	0.018	0	37.942
Stage4	7.55	26.151	4.695	UL-RL	0.165	10.98	275.2	19.349	0.018	0	24.044
Stage4	7.15	32.478	18.302	UL-RL	0.165	10.98	275.2	23.422	0.018	0	41.724
Stage4	6.75	38.805	33.671	UL-RL	0.165	10.98	275.2	27.495	0.018	0	61.166
Stage4	6.35	45.131	42.82	UL-RL	0.165	10.98	275.2	31.569	0.018	0	74.389
Stage4	5.95	51.458	46.976	UL-RL	0.165	10.98	275.2	35.642	0.018	0	82.618
Stage4	5.55	57.784	48.932	UL-RL	0.165	10.98	275.2	39.716	0.018	0	88.648
Stage4	5.15	64.111	50.45	UL-RL	0.165	10.98	275.2	43.789	0.018	0	94.239
Stage4	4.75	70.438	52.162	UL-RL	0.165	10.98	275.2	47.862	0.018	0	100.024
Stage4	4.35	76.764	54.113	UL-RL	0.165	10.98	275.2	51.936	0.018	0	106.049
Stage4	3.95	83.091	56.19	UL-RL	0.165	10.98	275.2	56.009	0.018	0	112.199
Stage4	3.55	89.417	58.297	UL-RL	0.165	10.98	275.2	60.083	0.018	0	118.38
Stage4	3.15	95.744	60.395	UL-RL	0.165	10.98	275.2	64.156	0.018	0	124.55
Stage4	2.75	102.071	62.474	UL-RL	0.165	10.98	275.2	68.229	0.018	0	130.703
Stage4	2.35	108.397	64.541	UL-RL	0.165	10.98	275.2	72.303	0.018	0	136.844
Stage4	1.95	114.724	66.601	UL-RL	0.165	10.98	275.2	76.376	0.018	0	142.977
Stage4	1.55	121.05	68.657	UL-RL	0.165	10.98	275.2	80.45	0.018	0	149.106
Stage4	1.15	127.377	70.71	UL-RL	0.165	10.98	275.2	84.523	0.018	0	155.233
Stage4	0.75	133.704	72.762	UL-RL	0.165	10.98	275.2	88.596	0.018	0	161.358
Stage4	0.35	140.03	74.812	UL-RL	0.165	10.98	275.2	92.67	0.018	0	167.482
Stage4	-0.05	146.357	76.861	UL-RL	0.165	10.98	275.2	96.743	0.018	0	173.604
Stage4	-0.45	152.684	78.908	UL-RL	0.165	10.98	275.2	100.816	0.018	0	179.725
Stage4	-0.85	159.01	80.954	UL-RL	0.165	10.98	275.2	104.89	0.018	0	185.844
Stage4	-1.25	165.337	83	UL-RL	0.165	10.98	275.2	108.963	0.018	0	191.963
Stage4	-1.45	168.5	84.022	UL-RL	0.165	10.98	275.2	111	0.018	0	195.022
Stage4	-1.85	174.827	86.067	UL-RL	0.165	10.98	275.2	115.073	0.018	0	201.14
Stage4	-2.25	181.153	88.111	UL-RL	0.165	10.98	275.2	119.147	0.018	0	207.258
Stage4	-2.65	187.48	90.155	UL-RL	0.165	10.98	275.2	123.22	0.018	0	213.376
Stage4	-3.05	193.806	92.2	UL-RL	0.165	10.98	275.2	127.294	0.018	0	219.493
Stage4	-3.45	200.133	94.244	UL-RL	0.165	10.98	275.2	131.367	0.018	0	225.611
Stage4	-3.85	206.46	96.288	UL-RL	0.165	10.98	275.2	135.44	0.018	0	231.728
Stage4	-4.25	212.786	98.332	UL-RL	0.165	10.98	275.2	139.514	0.018	0	237.846
Stage4	-4.65	219.113	100.377	UL-RL	0.165	10.98	275.2	143.587	0.018	0	243.964
Stage4	-5.05	225.44	102.422	UL-RL	0.165	10.98	275.2	147.661	0.018	0	250.083
Stage4	-5.45	231.766	104.468	UL-RL	0.165	10.98	275.2	151.734	0.018	0	256.202
Stage4	-5.85	238.093	106.514	UL-RL	0.165	10.98	275.2	155.807	0.018	0	262.321
Stage4	-6.25	244.419	108.561	UL-RL	0.165	10.98	275.2	159.881	0.018	0	268.441
Stage4	-6.65	250.746	110.608	UL-RL	0.165	10.98	275.2	163.954	0.018	0	274.562
Stage4	-7.05	257.072	112.656	UL-RL	0.165	10.98	275.2	168.028	0.018	0	280.683
Stage4	-7.45	263.399	114.704	UL-RL	0.165	10.98	275.2	172.101	0.018	0	286.805

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-7.85	269.726	116.753	UL-RL	0.165	10.98	275.2	176.174	0.018	0	292.927
Stage4	-8.25	276.052	118.803	UL-RL	0.165	10.98	275.2	180.248	0.018	0	299.05
Stage4	-8.65	282.379	120.853	UL-RL	0.165	10.98	275.2	184.321	0.018	0	305.174
Stage4	-9.05	288.706	122.904	UL-RL	0.165	10.98	275.2	188.394	0.018	0	311.299
Stage4	-9.45	295.032	124.956	UL-RL	0.165	10.98	275.2	192.468	0.018	0	317.424
Stage4	-9.85	301.359	127.009	UL-RL	0.165	10.98	275.2	196.541	0.018	0	323.55
Stage4	-10.25	307.685	129.062	UL-RL	0.165	10.98	275.2	200.615	0.018	0	329.677
Stage4	-10.65	314.012	131.117	UL-RL	0.165	10.98	275.2	204.688	0.018	0	335.805
Stage4	-11.05	320.338	133.172	UL-RL	0.165	10.98	275.2	208.762	0.018	0	341.933
Stage4	-11.45	326.665	135.228	UL-RL	0.165	10.98	275.2	212.835	0.018	0	348.062
Stage4	-11.85	332.992	137.284	UL-RL	0.165	10.98	275.2	216.908	0.018	0	354.192
Stage4	-12.25	339.318	139.341	UL-RL	0.165	10.98	275.2	220.982	0.018	0	360.323
Stage4	-12.65	345.645	141.4	UL-RL	0.165	10.98	275.2	225.055	0.018	0	366.455
Stage4	-13.05	351.972	143.458	UL-RL	0.165	10.98	275.2	229.128	0.018	0	372.587
Stage4	-13.45	358.298	145.518	UL-RL	0.165	10.98	275.2	233.202	0.018	0	378.72
Stage4	-13.85	364.625	147.579	UL-RL	0.165	10.98	275.2	237.275	0.018	0	384.854
Stage4	-14.25	370.951	149.64	UL-RL	0.165	10.98	275.2	241.349	0.018	0	390.989
Stage4	-14.65	377.278	151.702	UL-RL	0.165	10.98	275.2	245.422	0.018	0	397.124
Stage4	-15.05	383.604	153.765	UL-RL	0.165	10.98	275.2	249.495	0.018	0	403.26
Stage4	-15.45	389.931	155.828	UL-RL	0.165	10.98	275.2	253.569	0.018	0	409.397
Stage4	-15.85	396.258	157.893	UL-RL	0.165	10.98	275.2	257.642	0.018	0	415.535
Stage4	-16.25	402.584	159.958	UL-RL	0.165	10.98	275.2	261.716	0.018	0	421.673
Stage4	-16.65	408.911	162.024	UL-RL	0.165	10.98	275.2	265.789	0.018	0	427.812
Stage4	-17.05	415.238	164.09	UL-RL	0.165	10.98	275.2	269.862	0.018	0	433.952
Stage4	-17.3	419.192	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno		Muro:		RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage4	15.7	0	16.274	UL-RL	0.433	2.529	11.2	0	0	16.274
Stage4	15.35	17.456	3.779	UL-RL	0.433	2.529	11.2	0	0	3.779
Stage4	14.95	29.031	0	UL-RL	0.433	2.529	11.2	0	0	0
Stage4	14.55	38.71	2.022	UL-RL	0.433	2.529	11.2	0	0	2.022
Stage4	14.15	47.458	5.809	UL-RL	0.433	2.529	11.2	0	0	5.809
Stage4	13.75	56.076	9.541	UL-RL	0.433	2.529	11.2	0	0	9.541
Stage4	13.35	64.812	13.324	UL-RL	0.433	2.529	11.2	0	0	13.324
Stage4	12.95	73.334	17.014	UL-RL	0.433	2.529	11.2	0	0	17.014
Stage4	12.55	81.714	20.642	UL-RL	0.433	2.529	11.2	0	0	20.642
Stage4	12.15	88.736	23.683	UL-RL	0.433	2.529	11.2	0	0	23.683
Stage4	11.75	96.155	26.896	UL-RL	0.433	2.529	11.2	0	0	26.896
Stage4	11.35	103.84	30.223	UL-RL	0.433	2.529	11.2	0	0	30.223
Stage4	10.95	111.571	33.57	UL-RL	0.433	2.529	11.2	0	0	33.57
Stage4	10.55	119.338	36.934	UL-RL	0.433	2.529	11.2	0	0	36.934
Stage4	10.15	124.189	39.034	UL-RL	0.433	2.529	11.2	2.945	0.018	41.979
Stage4	9.95	126.443	40.01	UL-RL	0.433	2.529	11.2	4.908	0.018	44.918
Stage4	9.55	130.329	41.692	UL-RL	0.433	2.529	11.2	8.835	0.018	50.527
Stage4	9.15	134.235	47.308	UL-RL	0.433	2.529	11.2	12.761	0.018	60.069
Stage4	8.75	138.458	0	UL-RL	0.165	10.98	275.2	16.688	0.018	16.688
Stage4	8.35	144.796	0	ACTIVE	0.165	10.98	275.2	20.615	0.018	20.615
Stage4	7.95	151.146	53.578	UL-RL	0.165	10.98	275.2	24.541	0.018	78.119
Stage4	7.55	157.508	106.699	UL-RL	0.165	10.98	275.2	28.468	0.018	135.167
Stage4	7.15	163.879	81.27	UL-RL	0.165	10.98	275.2	32.394	0.018	113.664
Stage4	6.75	170.259	51.237	UL-RL	0.165	10.98	275.2	36.321	0.018	87.558
Stage4	6.35	176.646	36.429	UL-RL	0.165	10.98	275.2	40.248	0.018	76.677
Stage4	5.95	183.039	33.86	UL-RL	0.165	10.98	275.2	44.174	0.018	78.034
Stage4	5.55	189.796	36.643	UL-RL	0.165	10.98	275.2	48.101	0.018	84.743
Stage4	5.15	196.187	40.437	UL-RL	0.165	10.98	275.2	52.028	0.018	92.464
Stage4	4.75	202.584	43.695	UL-RL	0.165	10.98	275.2	55.954	0.018	99.65
Stage4	4.35	208.986	46.315	UL-RL	0.165	10.98	275.2	59.881	0.018	106.196
Stage4	3.95	215.393	48.589	UL-RL	0.165	10.98	275.2	63.807	0.018	112.396
Stage4	3.55	221.804	50.756	UL-RL	0.165	10.98	275.2	67.734	0.018	118.49
Stage4	3.15	228.219	52.924	UL-RL	0.165	10.98	275.2	71.661	0.018	124.584
Stage4	2.75	234.637	55.115	UL-RL	0.165	10.98	275.2	75.587	0.018	130.702
Stage4	2.35	241.058	57.321	UL-RL	0.165	10.98	275.2	79.514	0.018	136.835
Stage4	1.95	247.482	59.53	UL-RL	0.165	10.98	275.2	83.44	0.018	142.971
Stage4	1.55	253.908	61.737	UL-RL	0.165	10.98	275.2	87.367	0.018	149.104
Stage4	1.15	260.337	63.939	UL-RL	0.165	10.98	275.2	91.294	0.018	155.233
Stage4	0.75	267.013	66.139	UL-RL	0.165	10.98	275.2	95.22	0.018	161.359
Stage4	0.35	273.44	68.336	UL-RL	0.165	10.98	275.2	99.147	0.018	167.482
Stage4	-0.05	279.87	70.531	UL-RL	0.165	10.98	275.2	103.073	0.018	173.604
Stage4	-0.45	286.301	72.725	UL-RL	0.165	10.98	275.2	107	0.018	179.725
Stage4	-0.85	292.735	74.918	UL-RL	0.165	10.98	275.2	110.927	0.018	185.844
Stage4	-1.25	299.17	77.11	UL-RL	0.165	10.98	275.2	114.853	0.018	191.963
Stage4	-1.45	302.494	78.206	UL-RL	0.165	10.98	275.2	116.816	0.018	195.022
Stage4	-1.85	308.93	80.397	UL-RL	0.165	10.98	275.2	120.743	0.018	201.14
Stage4	-2.25	315.367	82.588	UL-RL	0.165	10.98	275.2	124.67	0.018	207.258
Stage4	-2.65	321.806	84.779	UL-RL	0.165	10.98	275.2	128.596	0.018	213.376
Stage4	-3.05	328.246	86.97	UL-RL	0.165	10.98	275.2	132.523	0.018	219.493
Stage4	-3.45	334.687	89.161	UL-RL	0.165	10.98	275.2	136.45	0.018	225.611
Stage4	-3.85	341.13	91.352	UL-RL	0.165	10.98	275.2	140.376	0.018	231.728
Stage4	-4.25	347.574	93.543	UL-RL	0.165	10.98	275.2	144.303	0.018	237.846
Stage4	-4.65	354.018	95.735	UL-RL	0.165	10.98	275.2	148.229	0.018	243.964
Stage4	-5.05	360.464	97.927	UL-RL	0.165	10.98	275.2	152.156	0.018	250.083
Stage4	-5.45	366.912	100.119	UL-RL	0.165	10.98	275.2	156.083	0.018	256.202
Stage4	-5.85	373.359	102.312	UL-RL	0.165	10.98	275.2	160.009	0.018	262.321
Stage4	-6.25	379.975	104.506	UL-RL	0.165	10.98	275.2	163.936	0.018	268.441
Stage4	-6.65	386.422	106.7	UL-RL	0.165	10.98	275.2	167.862	0.018	274.562
Stage4	-7.05	392.87	108.894	UL-RL	0.165	10.98	275.2	171.789	0.018	280.683
Stage4	-7.45	399.318	111.089	UL-RL	0.165	10.98	275.2	175.716	0.018	286.805
Stage4	-7.85	405.768	113.285	UL-RL	0.165	10.98	275.2	179.642	0.018	292.927
Stage4	-8.25	412.218	115.482	UL-RL	0.165	10.98	275.2	183.569	0.018	299.05
Stage4	-8.65	418.668	117.679	UL-RL	0.165	10.98	275.2	187.495	0.018	305.174

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-9.05	425.12	119.877	UL-RL	0.165	10.98	275.2	191.422	0.018	0	311.299
Stage4	-9.45	431.572	122.076	UL-RL	0.165	10.98	275.2	195.349	0.018	0	317.424
Stage4	-9.85	438.025	124.275	UL-RL	0.165	10.98	275.2	199.275	0.018	0	323.55
Stage4	-10.25	444.479	126.475	UL-RL	0.165	10.98	275.2	203.202	0.018	0	329.677
Stage4	-10.65	450.933	128.676	UL-RL	0.165	10.98	275.2	207.128	0.018	0	335.805
Stage4	-11.05	457.525	130.878	UL-RL	0.165	10.98	275.2	211.055	0.018	0	341.933
Stage4	-11.45	463.978	133.081	UL-RL	0.165	10.98	275.2	214.982	0.018	0	348.062
Stage4	-11.85	470.432	135.284	UL-RL	0.165	10.98	275.2	218.908	0.018	0	354.192
Stage4	-12.25	476.886	137.488	UL-RL	0.165	10.98	275.2	222.835	0.018	0	360.323
Stage4	-12.65	483.341	139.693	UL-RL	0.165	10.98	275.2	226.762	0.018	0	366.455
Stage4	-13.05	489.796	141.899	UL-RL	0.165	10.98	275.2	230.688	0.018	0	372.587
Stage4	-13.45	496.252	144.105	UL-RL	0.165	10.98	275.2	234.615	0.018	0	378.72
Stage4	-13.85	502.709	146.313	UL-RL	0.165	10.98	275.2	238.541	0.018	0	384.854
Stage4	-14.25	509.165	148.521	UL-RL	0.165	10.98	275.2	242.468	0.018	0	390.989
Stage4	-14.65	515.622	150.729	UL-RL	0.165	10.98	275.2	246.394	0.018	0	397.124
Stage4	-15.05	522.08	152.939	UL-RL	0.165	10.98	275.2	250.321	0.018	0	403.26
Stage4	-15.45	528.656	155.149	UL-RL	0.165	10.98	275.2	254.248	0.018	0	409.397
Stage4	-15.85	535.113	157.36	UL-RL	0.165	10.98	275.2	258.174	0.018	0	415.535
Stage4	-16.25	541.57	159.572	UL-RL	0.165	10.98	275.2	262.101	0.018	0	421.673
Stage4	-16.65	548.028	161.785	UL-RL	0.165	10.98	275.2	266.027	0.018	0	427.812
Stage4	-17.05	554.486	163.998	UL-RL	0.165	10.98	275.2	269.954	0.018	0	433.952
Stage4	-17.3	558.564	165.382	UL-RL	0.165	10.98	275.2	272.408	0.018	0	437.79

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage5

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Stage5	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Stage5	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Stage5	14.55	38.71	3.797	UL-RL	0.433	2.529	11.2	0	0	0	3.797
Stage5	14.15	47.458	8.498	UL-RL	0.433	2.529	11.2	0	0	0	8.498
Stage5	13.75	56.076	13.139	UL-RL	0.433	2.529	11.2	0	0	0	13.139
Stage5	13.35	64.812	17.791	UL-RL	0.433	2.529	11.2	0	0	0	17.791
Stage5	12.95	73.334	22.244	UL-RL	0.433	2.529	11.2	0	0	0	22.244
Stage5	12.55	81.714	26.425	UL-RL	0.433	2.529	11.2	0	0	0	26.425
Stage5	12.15	88.736	29.663	UL-RL	0.433	2.529	11.2	0	0	0	29.663
Stage5	11.75	96.155	32.524	UL-RL	0.433	2.529	11.2	0	0	0	32.524
Stage5	11.35	103.84	34.709	UL-RL	0.433	2.529	11.2	0	0	0	34.709
Stage5	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Stage5	10.55	119.338	37.657	UL-RL	0.433	2.529	11.2	0	0	0	37.657
Stage5	10.15	127.134	40.309	ACTIVE	0.433	2.529	11.2	0	0	0	40.309
Stage5	9.95	131.351	42.135	ACTIVE	0.433	2.529	11.2	0	0	0	42.135
Stage5	9.55	139.164	45.518	ACTIVE	0.433	2.529	11.2	0	0	0	45.518
Stage5	9.15	146.996	48.909	ACTIVE	0.433	2.529	11.2	0	0	0	48.909
Stage5	8.75	155.146	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	8.35	165.411	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.95	175.688	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.55	185.976	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.15	196.274	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	6.75	206.58	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	6.35	216.893	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	5.95	227.213	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	5.55	236.919	0	ACTIVE	0.165	10.98	275.2	0.978	0.022	0	0.978
Stage5	5.15	243.326	0	ACTIVE	0.165	10.98	275.2	4.889	0.022	0	4.889
Stage5	4.75	249.739	0	ACTIVE	0.165	10.98	275.2	8.8	0.022	0	8.8
Stage5	4.35	256.157	0	ACTIVE	0.165	10.98	275.2	12.71	0.022	0	12.71
Stage5	3.95	262.579	33.234	UL-RL	0.165	10.98	275.2	16.621	0.022	0	49.856
Stage5	3.55	269.006	45.654	UL-RL	0.165	10.98	275.2	20.532	0.022	0	66.186
Stage5	3.15	275.436	47.945	UL-RL	0.165	10.98	275.2	24.443	0.022	0	72.388
Stage5	2.75	281.87	47.551	UL-RL	0.165	10.98	275.2	28.354	0.022	0	75.905
Stage5	2.35	288.306	47.68	UL-RL	0.165	10.98	275.2	32.265	0.022	0	79.945
Stage5	1.95	294.746	49.001	UL-RL	0.165	10.98	275.2	36.176	0.022	0	85.177
Stage5	1.55	301.188	51.182	UL-RL	0.165	10.98	275.2	40.087	0.022	0	91.269
Stage5	1.15	307.633	53.75	UL-RL	0.165	10.98	275.2	43.998	0.022	0	97.748
Stage5	0.75	314.324	56.391	UL-RL	0.165	10.98	275.2	47.909	0.022	0	104.3
Stage5	0.35	320.767	58.973	UL-RL	0.165	10.98	275.2	51.82	0.022	0	110.792
Stage5	-0.05	327.212	61.469	UL-RL	0.165	10.98	275.2	55.731	0.022	0	117.2
Stage5	-0.45	333.66	63.901	UL-RL	0.165	10.98	275.2	59.641	0.022	0	123.542
Stage5	-0.85	340.109	66.292	UL-RL	0.165	10.98	275.2	63.552	0.022	0	129.844
Stage5	-1.25	346.56	68.66	UL-RL	0.165	10.98	275.2	67.463	0.022	0	136.124
Stage5	-1.45	349.892	69.839	UL-RL	0.165	10.98	275.2	69.419	0.022	0	139.258
Stage5	-1.85	356.343	72.188	UL-RL	0.165	10.98	275.2	73.33	0.022	0	145.518
Stage5	-2.25	362.796	74.527	UL-RL	0.165	10.98	275.2	77.241	0.022	0	151.768
Stage5	-2.65	369.25	76.858	UL-RL	0.165	10.98	275.2	81.151	0.022	0	158.009
Stage5	-3.05	375.706	79.18	UL-RL	0.165	10.98	275.2	85.062	0.022	0	164.242
Stage5	-3.45	382.163	81.494	UL-RL	0.165	10.98	275.2	88.973	0.022	0	170.467
Stage5	-3.85	388.622	83.801	UL-RL	0.165	10.98	275.2	92.884	0.022	0	176.685
Stage5	-4.25	395.081	86.102	UL-RL	0.165	10.98	275.2	96.795	0.022	0	182.897
Stage5	-4.65	401.542	88.397	UL-RL	0.165	10.98	275.2	100.706	0.022	0	189.103
Stage5	-5.05	408.004	90.688	UL-RL	0.165	10.98	275.2	104.617	0.022	0	195.305
Stage5	-5.45	414.466	92.974	UL-RL	0.165	10.98	275.2	108.528	0.022	0	201.502
Stage5	-5.85	420.93	95.256	UL-RL	0.165	10.98	275.2	112.439	0.022	0	207.695
Stage5	-6.25	427.561	97.536	UL-RL	0.165	10.98	275.2	116.35	0.022	0	213.885
Stage5	-6.65	434.024	99.812	UL-RL	0.165	10.98	275.2	120.261	0.022	0	220.072
Stage5	-7.05	440.487	102.085	UL-RL	0.165	10.98	275.2	124.172	0.022	0	226.257
Stage5	-7.45	446.951	104.357	UL-RL	0.165	10.98	275.2	128.082	0.022	0	232.439

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		Lato		LEFT				
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-7.85	453.416	106.626	UL-RL	0.165	10.98	275.2	131.993	0.022	0	238.619
Stage5	-8.25	459.882	108.893	UL-RL	0.165	10.98	275.2	135.904	0.022	0	244.797
Stage5	-8.65	466.349	111.159	UL-RL	0.165	10.98	275.2	139.815	0.022	0	250.974
Stage5	-9.05	472.816	113.423	UL-RL	0.165	10.98	275.2	143.726	0.022	0	257.149
Stage5	-9.45	479.284	115.686	UL-RL	0.165	10.98	275.2	147.637	0.022	0	263.322
Stage5	-9.85	485.753	117.947	UL-RL	0.165	10.98	275.2	151.548	0.022	0	269.495
Stage5	-10.25	492.222	120.208	UL-RL	0.165	10.98	275.2	155.459	0.022	0	275.667
Stage5	-10.65	498.692	122.468	UL-RL	0.165	10.98	275.2	159.37	0.022	0	281.837
Stage5	-11.05	505.299	124.727	UL-RL	0.165	10.98	275.2	163.281	0.022	0	288.007
Stage5	-11.45	511.768	126.985	UL-RL	0.165	10.98	275.2	167.192	0.022	0	294.176
Stage5	-11.85	518.237	129.243	UL-RL	0.165	10.98	275.2	171.102	0.022	0	300.345
Stage5	-12.25	524.708	131.5	UL-RL	0.165	10.98	275.2	175.013	0.022	0	306.513
Stage5	-12.65	531.178	133.757	UL-RL	0.165	10.98	275.2	178.924	0.022	0	312.681
Stage5	-13.05	537.649	136.013	UL-RL	0.165	10.98	275.2	182.835	0.022	0	318.848
Stage5	-13.45	544.121	138.269	UL-RL	0.165	10.98	275.2	186.746	0.022	0	325.016
Stage5	-13.85	550.593	140.525	UL-RL	0.165	10.98	275.2	190.657	0.022	0	331.182
Stage5	-14.25	557.065	142.781	UL-RL	0.165	10.98	275.2	194.568	0.022	0	337.349
Stage5	-14.65	563.538	145.037	UL-RL	0.165	10.98	275.2	198.479	0.022	0	343.516
Stage5	-15.05	570.011	147.292	UL-RL	0.165	10.98	275.2	202.39	0.022	0	349.682
Stage5	-15.45	576.603	149.548	UL-RL	0.165	10.98	275.2	206.301	0.022	0	355.848
Stage5	-15.85	583.076	151.803	UL-RL	0.165	10.98	275.2	210.212	0.022	0	362.015
Stage5	-16.25	589.548	154.059	UL-RL	0.165	10.98	275.2	214.122	0.022	0	368.181
Stage5	-16.65	596.022	156.314	UL-RL	0.165	10.98	275.2	218.033	0.022	0	374.348
Stage5	-17.05	602.496	158.57	UL-RL	0.165	10.98	275.2	221.944	0.022	0	380.514
Stage5	-17.3	606.584	159.981	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.369

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.35	4.733	51.535	UL-RL	0.165	10.98	275.2	3.067	0.022	0	54.601
Stage5	3.95	11.044	43.677	UL-RL	0.165	10.98	275.2	7.156	0.022	0	50.833
Stage5	3.55	17.355	43.386	UL-RL	0.165	10.98	275.2	11.245	0.022	0	54.631
Stage5	3.15	23.666	46.672	UL-RL	0.165	10.98	275.2	15.334	0.022	0	62.006
Stage5	2.75	29.977	50.745	UL-RL	0.165	10.98	275.2	19.423	0.022	0	70.168
Stage5	2.35	36.288	54.411	UL-RL	0.165	10.98	275.2	23.512	0.022	0	77.923
Stage5	1.95	42.599	57.457	UL-RL	0.165	10.98	275.2	27.601	0.022	0	85.058
Stage5	1.55	48.91	60.052	UL-RL	0.165	10.98	275.2	31.69	0.022	0	91.743
Stage5	1.15	55.22	62.412	UL-RL	0.165	10.98	275.2	35.78	0.022	0	98.192
Stage5	0.75	61.531	64.68	UL-RL	0.165	10.98	275.2	39.869	0.022	0	104.549
Stage5	0.35	67.842	66.922	UL-RL	0.165	10.98	275.2	43.958	0.022	0	110.88
Stage5	-0.05	74.153	69.157	UL-RL	0.165	10.98	275.2	48.047	0.022	0	117.204
Stage5	-0.45	80.464	71.384	UL-RL	0.165	10.98	275.2	52.136	0.022	0	123.52
Stage5	-0.85	86.775	73.598	UL-RL	0.165	10.98	275.2	56.225	0.022	0	129.823
Stage5	-1.25	93.086	75.797	UL-RL	0.165	10.98	275.2	60.314	0.022	0	136.111
Stage5	-1.45	96.241	76.891	UL-RL	0.165	10.98	275.2	62.359	0.022	0	139.25
Stage5	-1.85	102.552	79.068	UL-RL	0.165	10.98	275.2	66.448	0.022	0	145.515
Stage5	-2.25	108.863	81.231	UL-RL	0.165	10.98	275.2	70.537	0.022	0	151.768
Stage5	-2.65	115.174	83.384	UL-RL	0.165	10.98	275.2	74.626	0.022	0	158.01
Stage5	-3.05	121.485	85.528	UL-RL	0.165	10.98	275.2	78.715	0.022	0	164.242
Stage5	-3.45	127.796	87.663	UL-RL	0.165	10.98	275.2	82.804	0.022	0	170.467
Stage5	-3.85	134.107	89.792	UL-RL	0.165	10.98	275.2	86.893	0.022	0	176.685
Stage5	-4.25	140.418	91.914	UL-RL	0.165	10.98	275.2	90.982	0.022	0	182.897
Stage5	-4.65	146.729	94.032	UL-RL	0.165	10.98	275.2	95.071	0.022	0	189.103
Stage5	-5.05	153.04	96.144	UL-RL	0.165	10.98	275.2	99.16	0.022	0	195.304
Stage5	-5.45	159.351	98.252	UL-RL	0.165	10.98	275.2	103.25	0.022	0	201.502
Stage5	-5.85	165.662	100.357	UL-RL	0.165	10.98	275.2	107.338	0.022	0	207.695
Stage5	-6.25	171.972	102.458	UL-RL	0.165	10.98	275.2	111.428	0.022	0	213.885
Stage5	-6.65	178.283	104.556	UL-RL	0.165	10.98	275.2	115.517	0.022	0	220.072
Stage5	-7.05	184.594	106.651	UL-RL	0.165	10.98	275.2	119.606	0.022	0	226.257
Stage5	-7.45	190.905	108.744	UL-RL	0.165	10.98	275.2	123.695	0.022	0	232.439
Stage5	-7.85	197.216	110.835	UL-RL	0.165	10.98	275.2	127.784	0.022	0	238.619
Stage5	-8.25	203.527	112.924	UL-RL	0.165	10.98	275.2	131.873	0.022	0	244.797
Stage5	-8.65	209.838	115.012	UL-RL	0.165	10.98	275.2	135.962	0.022	0	250.974

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-9.05	216.149	117.098	UL-RL	0.165	10.98	275.2	140.051	0.022	0	257.149
Stage5	-9.45	222.46	119.182	UL-RL	0.165	10.98	275.2	144.14	0.022	0	263.322
Stage5	-9.85	228.771	121.266	UL-RL	0.165	10.98	275.2	148.229	0.022	0	269.495
Stage5	-10.25	235.082	123.348	UL-RL	0.165	10.98	275.2	152.318	0.022	0	275.667
Stage5	-10.65	241.392	125.43	UL-RL	0.165	10.98	275.2	156.408	0.022	0	281.837
Stage5	-11.05	247.703	127.51	UL-RL	0.165	10.98	275.2	160.497	0.022	0	288.007
Stage5	-11.45	254.014	129.591	UL-RL	0.165	10.98	275.2	164.586	0.022	0	294.176
Stage5	-11.85	260.325	131.67	UL-RL	0.165	10.98	275.2	168.675	0.022	0	300.345
Stage5	-12.25	266.636	133.749	UL-RL	0.165	10.98	275.2	172.764	0.022	0	306.513
Stage5	-12.65	272.947	135.828	UL-RL	0.165	10.98	275.2	176.853	0.022	0	312.681
Stage5	-13.05	279.258	137.906	UL-RL	0.165	10.98	275.2	180.942	0.022	0	318.848
Stage5	-13.45	285.569	139.984	UL-RL	0.165	10.98	275.2	185.031	0.022	0	325.016
Stage5	-13.85	291.88	142.062	UL-RL	0.165	10.98	275.2	189.12	0.022	0	331.182
Stage5	-14.25	298.191	144.14	UL-RL	0.165	10.98	275.2	193.209	0.022	0	337.349
Stage5	-14.65	304.501	146.217	UL-RL	0.165	10.98	275.2	197.298	0.022	0	343.516
Stage5	-15.05	310.812	148.294	UL-RL	0.165	10.98	275.2	201.387	0.022	0	349.682
Stage5	-15.45	317.123	150.372	UL-RL	0.165	10.98	275.2	205.476	0.022	0	355.848
Stage5	-15.85	323.434	152.449	UL-RL	0.165	10.98	275.2	209.566	0.022	0	362.015
Stage5	-16.25	329.745	154.526	UL-RL	0.165	10.98	275.2	213.655	0.022	0	368.181
Stage5	-16.65	336.056	156.604	UL-RL	0.165	10.98	275.2	217.744	0.022	0	374.348
Stage5	-17.05	342.367	158.681	UL-RL	0.165	10.98	275.2	221.833	0.022	0	380.514
Stage5	-17.3	346.311	159.979	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.368

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage5

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.35	4.733	51.535	UL-RL	0.165	10.98	275.2	3.067	0.022	0	54.601
Stage5	3.95	11.044	43.677	UL-RL	0.165	10.98	275.2	7.156	0.022	0	50.833
Stage5	3.55	17.355	43.386	UL-RL	0.165	10.98	275.2	11.245	0.022	0	54.631
Stage5	3.15	23.666	46.672	UL-RL	0.165	10.98	275.2	15.334	0.022	0	62.006
Stage5	2.75	29.977	50.745	UL-RL	0.165	10.98	275.2	19.423	0.022	0	70.168
Stage5	2.35	36.288	54.411	UL-RL	0.165	10.98	275.2	23.512	0.022	0	77.923
Stage5	1.95	42.599	57.457	UL-RL	0.165	10.98	275.2	27.601	0.022	0	85.058
Stage5	1.55	48.91	60.052	UL-RL	0.165	10.98	275.2	31.69	0.022	0	91.743
Stage5	1.15	55.22	62.412	UL-RL	0.165	10.98	275.2	35.78	0.022	0	98.192
Stage5	0.75	61.531	64.68	UL-RL	0.165	10.98	275.2	39.869	0.022	0	104.549
Stage5	0.35	67.842	66.922	UL-RL	0.165	10.98	275.2	43.958	0.022	0	110.88
Stage5	-0.05	74.153	69.157	UL-RL	0.165	10.98	275.2	48.047	0.022	0	117.204
Stage5	-0.45	80.464	71.384	UL-RL	0.165	10.98	275.2	52.136	0.022	0	123.52
Stage5	-0.85	86.775	73.598	UL-RL	0.165	10.98	275.2	56.225	0.022	0	129.823
Stage5	-1.25	93.086	75.797	UL-RL	0.165	10.98	275.2	60.314	0.022	0	136.111
Stage5	-1.45	96.241	76.891	UL-RL	0.165	10.98	275.2	62.359	0.022	0	139.25
Stage5	-1.85	102.552	79.068	UL-RL	0.165	10.98	275.2	66.448	0.022	0	145.515
Stage5	-2.25	108.863	81.231	UL-RL	0.165	10.98	275.2	70.537	0.022	0	151.768
Stage5	-2.65	115.174	83.384	UL-RL	0.165	10.98	275.2	74.626	0.022	0	158.01
Stage5	-3.05	121.485	85.528	UL-RL	0.165	10.98	275.2	78.715	0.022	0	164.242
Stage5	-3.45	127.796	87.663	UL-RL	0.165	10.98	275.2	82.804	0.022	0	170.467
Stage5	-3.85	134.107	89.792	UL-RL	0.165	10.98	275.2	86.893	0.022	0	176.685
Stage5	-4.25	140.418	91.914	UL-RL	0.165	10.98	275.2	90.982	0.022	0	182.897
Stage5	-4.65	146.729	94.032	UL-RL	0.165	10.98	275.2	95.071	0.022	0	189.103
Stage5	-5.05	153.04	96.144	UL-RL	0.165	10.98	275.2	99.16	0.022	0	195.304
Stage5	-5.45	159.351	98.252	UL-RL	0.165	10.98	275.2	103.25	0.022	0	201.502
Stage5	-5.85	165.662	100.357	UL-RL	0.165	10.98	275.2	107.338	0.022	0	207.695
Stage5	-6.25	171.972	102.458	UL-RL	0.165	10.98	275.2	111.428	0.022	0	213.885
Stage5	-6.65	178.283	104.556	UL-RL	0.165	10.98	275.2	115.517	0.022	0	220.072
Stage5	-7.05	184.594	106.651	UL-RL	0.165	10.98	275.2	119.606	0.022	0	226.257
Stage5	-7.45	190.905	108.744	UL-RL	0.165	10.98	275.2	123.695	0.022	0	232.439

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-7.85	197.216	110.835	UL-RL	0.165	10.98	275.2	127.784	0.022	0	238.619
Stage5	-8.25	203.527	112.924	UL-RL	0.165	10.98	275.2	131.873	0.022	0	244.797
Stage5	-8.65	209.838	115.012	UL-RL	0.165	10.98	275.2	135.962	0.022	0	250.974
Stage5	-9.05	216.149	117.098	UL-RL	0.165	10.98	275.2	140.051	0.022	0	257.149
Stage5	-9.45	222.46	119.182	UL-RL	0.165	10.98	275.2	144.14	0.022	0	263.322
Stage5	-9.85	228.771	121.266	UL-RL	0.165	10.98	275.2	148.229	0.022	0	269.495
Stage5	-10.25	235.082	123.348	UL-RL	0.165	10.98	275.2	152.318	0.022	0	275.667
Stage5	-10.65	241.392	125.43	UL-RL	0.165	10.98	275.2	156.408	0.022	0	281.837
Stage5	-11.05	247.703	127.51	UL-RL	0.165	10.98	275.2	160.497	0.022	0	288.007
Stage5	-11.45	254.014	129.591	UL-RL	0.165	10.98	275.2	164.586	0.022	0	294.176
Stage5	-11.85	260.325	131.67	UL-RL	0.165	10.98	275.2	168.675	0.022	0	300.345
Stage5	-12.25	266.636	133.749	UL-RL	0.165	10.98	275.2	172.764	0.022	0	306.513
Stage5	-12.65	272.947	135.828	UL-RL	0.165	10.98	275.2	176.853	0.022	0	312.681
Stage5	-13.05	279.258	137.906	UL-RL	0.165	10.98	275.2	180.942	0.022	0	318.848
Stage5	-13.45	285.569	139.984	UL-RL	0.165	10.98	275.2	185.031	0.022	0	325.016
Stage5	-13.85	291.88	142.062	UL-RL	0.165	10.98	275.2	189.12	0.022	0	331.182
Stage5	-14.25	298.191	144.14	UL-RL	0.165	10.98	275.2	193.209	0.022	0	337.349
Stage5	-14.65	304.501	146.217	UL-RL	0.165	10.98	275.2	197.298	0.022	0	343.516
Stage5	-15.05	310.812	148.294	UL-RL	0.165	10.98	275.2	201.387	0.022	0	349.682
Stage5	-15.45	317.123	150.372	UL-RL	0.165	10.98	275.2	205.476	0.022	0	355.848
Stage5	-15.85	323.434	152.449	UL-RL	0.165	10.98	275.2	209.566	0.022	0	362.015
Stage5	-16.25	329.745	154.526	UL-RL	0.165	10.98	275.2	213.655	0.022	0	368.181
Stage5	-16.65	336.056	156.604	UL-RL	0.165	10.98	275.2	217.744	0.022	0	374.348
Stage5	-17.05	342.367	158.681	UL-RL	0.165	10.98	275.2	221.833	0.022	0	380.514
Stage5	-17.3	346.311	159.979	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.368

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Stage5	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Stage5	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Stage5	14.55	38.71	3.797	UL-RL	0.433	2.529	11.2	0	0	0	3.797
Stage5	14.15	47.458	8.498	UL-RL	0.433	2.529	11.2	0	0	0	8.498
Stage5	13.75	56.076	13.139	UL-RL	0.433	2.529	11.2	0	0	0	13.139
Stage5	13.35	64.812	17.791	UL-RL	0.433	2.529	11.2	0	0	0	17.791
Stage5	12.95	73.334	22.244	UL-RL	0.433	2.529	11.2	0	0	0	22.244
Stage5	12.55	81.714	26.425	UL-RL	0.433	2.529	11.2	0	0	0	26.425
Stage5	12.15	88.736	29.663	UL-RL	0.433	2.529	11.2	0	0	0	29.663
Stage5	11.75	96.155	32.524	UL-RL	0.433	2.529	11.2	0	0	0	32.524
Stage5	11.35	103.84	34.709	UL-RL	0.433	2.529	11.2	0	0	0	34.709
Stage5	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Stage5	10.55	119.338	37.657	UL-RL	0.433	2.529	11.2	0	0	0	37.657
Stage5	10.15	127.134	40.309	ACTIVE	0.433	2.529	11.2	0	0	0	40.309
Stage5	9.95	131.351	42.135	ACTIVE	0.433	2.529	11.2	0	0	0	42.135
Stage5	9.55	139.164	45.518	ACTIVE	0.433	2.529	11.2	0	0	0	45.518
Stage5	9.15	146.996	48.909	ACTIVE	0.433	2.529	11.2	0	0	0	48.909
Stage5	8.75	155.146	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	8.35	165.411	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.95	175.688	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.55	185.976	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	7.15	196.274	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	6.75	206.58	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	6.35	216.893	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	5.95	227.213	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage5	5.55	236.919	0	ACTIVE	0.165	10.98	275.2	0.978	0.022	0	0.978
Stage5	5.15	243.326	0	ACTIVE	0.165	10.98	275.2	4.889	0.022	0	4.889
Stage5	4.75	249.739	0	ACTIVE	0.165	10.98	275.2	8.8	0.022	0	8.8
Stage5	4.35	256.157	0	ACTIVE	0.165	10.98	275.2	12.71	0.022	0	12.71
Stage5	3.95	262.579	33.234	UL-RL	0.165	10.98	275.2	16.621	0.022	0	49.856
Stage5	3.55	269.006	45.654	UL-RL	0.165	10.98	275.2	20.532	0.022	0	66.186
Stage5	3.15	275.436	47.945	UL-RL	0.165	10.98	275.2	24.443	0.022	0	72.388
Stage5	2.75	281.87	47.551	UL-RL	0.165	10.98	275.2	28.354	0.022	0	75.905
Stage5	2.35	288.306	47.68	UL-RL	0.165	10.98	275.2	32.265	0.022	0	79.945
Stage5	1.95	294.746	49.001	UL-RL	0.165	10.98	275.2	36.176	0.022	0	85.177
Stage5	1.55	301.188	51.182	UL-RL	0.165	10.98	275.2	40.087	0.022	0	91.269
Stage5	1.15	307.633	53.75	UL-RL	0.165	10.98	275.2	43.998	0.022	0	97.748
Stage5	0.75	314.324	56.391	UL-RL	0.165	10.98	275.2	47.909	0.022	0	104.3
Stage5	0.35	320.767	58.973	UL-RL	0.165	10.98	275.2	51.82	0.022	0	110.792
Stage5	-0.05	327.212	61.469	UL-RL	0.165	10.98	275.2	55.731	0.022	0	117.2
Stage5	-0.45	333.66	63.901	UL-RL	0.165	10.98	275.2	59.641	0.022	0	123.542
Stage5	-0.85	340.109	66.292	UL-RL	0.165	10.98	275.2	63.552	0.022	0	129.844
Stage5	-1.25	346.56	68.66	UL-RL	0.165	10.98	275.2	67.463	0.022	0	136.124
Stage5	-1.45	349.892	69.839	UL-RL	0.165	10.98	275.2	69.419	0.022	0	139.258
Stage5	-1.85	356.343	72.188	UL-RL	0.165	10.98	275.2	73.33	0.022	0	145.518
Stage5	-2.25	362.796	74.527	UL-RL	0.165	10.98	275.2	77.241	0.022	0	151.768
Stage5	-2.65	369.25	76.858	UL-RL	0.165	10.98	275.2	81.151	0.022	0	158.009
Stage5	-3.05	375.706	79.18	UL-RL	0.165	10.98	275.2	85.062	0.022	0	164.242
Stage5	-3.45	382.163	81.494	UL-RL	0.165	10.98	275.2	88.973	0.022	0	170.467
Stage5	-3.85	388.622	83.801	UL-RL	0.165	10.98	275.2	92.884	0.022	0	176.685
Stage5	-4.25	395.081	86.102	UL-RL	0.165	10.98	275.2	96.795	0.022	0	182.897
Stage5	-4.65	401.542	88.397	UL-RL	0.165	10.98	275.2	100.706	0.022	0	189.103
Stage5	-5.05	408.004	90.688	UL-RL	0.165	10.98	275.2	104.617	0.022	0	195.305
Stage5	-5.45	414.466	92.974	UL-RL	0.165	10.98	275.2	108.528	0.022	0	201.502
Stage5	-5.85	420.93	95.256	UL-RL	0.165	10.98	275.2	112.439	0.022	0	207.695
Stage5	-6.25	427.561	97.536	UL-RL	0.165	10.98	275.2	116.35	0.022	0	213.885
Stage5	-6.65	434.024	99.812	UL-RL	0.165	10.98	275.2	120.261	0.022	0	220.072
Stage5	-7.05	440.487	102.085	UL-RL	0.165	10.98	275.2	124.172	0.022	0	226.257
Stage5	-7.45	446.951	104.357	UL-RL	0.165	10.98	275.2	128.082	0.022	0	232.439
Stage5	-7.85	453.416	106.626	UL-RL	0.165	10.98	275.2	131.993	0.022	0	238.619
Stage5	-8.25	459.882	108.893	UL-RL	0.165	10.98	275.2	135.904	0.022	0	244.797
Stage5	-8.65	466.349	111.159	UL-RL	0.165	10.98	275.2	139.815	0.022	0	250.974

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Muro:		RIGHT		Lato		RIGHT		Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)					
Stage5	-9.05	472.816	113.423	UL-RL	0.165	10.98	275.2	143.726	0.022	0	257.149	
Stage5	-9.45	479.284	115.686	UL-RL	0.165	10.98	275.2	147.637	0.022	0	263.322	
Stage5	-9.85	485.753	117.947	UL-RL	0.165	10.98	275.2	151.548	0.022	0	269.495	
Stage5	-10.25	492.222	120.208	UL-RL	0.165	10.98	275.2	155.459	0.022	0	275.667	
Stage5	-10.65	498.692	122.468	UL-RL	0.165	10.98	275.2	159.37	0.022	0	281.837	
Stage5	-11.05	505.299	124.727	UL-RL	0.165	10.98	275.2	163.281	0.022	0	288.007	
Stage5	-11.45	511.768	126.985	UL-RL	0.165	10.98	275.2	167.192	0.022	0	294.176	
Stage5	-11.85	518.237	129.243	UL-RL	0.165	10.98	275.2	171.102	0.022	0	300.345	
Stage5	-12.25	524.708	131.5	UL-RL	0.165	10.98	275.2	175.013	0.022	0	306.513	
Stage5	-12.65	531.178	133.757	UL-RL	0.165	10.98	275.2	178.924	0.022	0	312.681	
Stage5	-13.05	537.649	136.013	UL-RL	0.165	10.98	275.2	182.835	0.022	0	318.848	
Stage5	-13.45	544.121	138.269	UL-RL	0.165	10.98	275.2	186.746	0.022	0	325.016	
Stage5	-13.85	550.593	140.525	UL-RL	0.165	10.98	275.2	190.657	0.022	0	331.182	
Stage5	-14.25	557.065	142.781	UL-RL	0.165	10.98	275.2	194.568	0.022	0	337.349	
Stage5	-14.65	563.538	145.037	UL-RL	0.165	10.98	275.2	198.479	0.022	0	343.516	
Stage5	-15.05	570.011	147.292	UL-RL	0.165	10.98	275.2	202.39	0.022	0	349.682	
Stage5	-15.45	576.603	149.548	UL-RL	0.165	10.98	275.2	206.301	0.022	0	355.848	
Stage5	-15.85	583.076	151.803	UL-RL	0.165	10.98	275.2	210.212	0.022	0	362.015	
Stage5	-16.25	589.548	154.059	UL-RL	0.165	10.98	275.2	214.122	0.022	0	368.181	
Stage5	-16.65	596.022	156.314	UL-RL	0.165	10.98	275.2	218.033	0.022	0	374.348	
Stage5	-17.05	602.496	158.57	UL-RL	0.165	10.98	275.2	221.944	0.022	0	380.514	
Stage5	-17.3	606.584	159.981	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.369	



**RADDOPPIO LINEA GENOVA - VENTIMIGLIA
TRATTA FINALE LIGURE - ANDORA**

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage6

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	15.7	0	15.475	UL-RL0.433 2.529		11.2	0	0	0	15.475
Stage6	15.35	17.456	3.758	UL-RL0.433 2.529		11.2	0	0	0	3.758
Stage6	14.95	29.031	0.872	UL-RL0.433 2.529		11.2	0	0	0	0.872
Stage6	14.55	38.71	3.797	UL-RL0.433 2.529		11.2	0	0	0	3.797
Stage6	14.15	47.458	8.498	UL-RL0.433 2.529		11.2	0	0	0	8.498
Stage6	13.75	56.076	13.139	UL-RL0.433 2.529		11.2	0	0	0	13.139
Stage6	13.35	64.812	17.791	UL-RL0.433 2.529		11.2	0	0	0	17.791
Stage6	12.95	73.334	22.244	UL-RL0.433 2.529		11.2	0	0	0	22.244
Stage6	12.55	81.714	26.425	UL-RL0.433 2.529		11.2	0	0	0	26.425
Stage6	12.15	88.736	29.663	UL-RL0.433 2.529		11.2	0	0	0	29.663
Stage6	11.75	96.155	32.524	UL-RL0.433 2.529		11.2	0	0	0	32.524
Stage6	11.35	103.84	34.709	UL-RL0.433 2.529		11.2	0	0	0	34.709
Stage6	10.95	111.571	35.837	UL-RL0.433 2.529		11.2	0	0	0	35.837
Stage6	10.55	119.338	37.657	UL-RL0.433 2.529		11.2	0	0	0	37.657
Stage6	10.15	127.134	40.309	UL-RL0.433 2.529		11.2	0	0	0	40.309
Stage6	9.95	131.351	42.135	UL-RL0.433 2.529		11.2	0	0	0	42.135
Stage6	9.55	139.164	45.518	UL-RL0.433 2.529		11.2	0	0	0	45.518
Stage6	9.15	146.996	48.909	UL-RL0.433 2.529		11.2	0	0	0	48.909
Stage6	8.75	155.146	0	UL-RL0.165 10.98		275.2	0	0	0	0
Stage6	8.35	165.411	0	UL-RL0.165 10.98		275.2	0	0	0	0
Stage6	7.95	175.688	0	UL-RL0.165 10.98		275.2	0	0	0	0
Stage6	7.55	185.976	0	UL-RL0.165 10.98		275.2	0	0	0	0
Stage6	7.15	196.274	0	UL-RL0.165 10.98		275.2	0	0	0	0
Stage6	6.75	206.58	0	UL-RL0.165 10.98		275.2	0	0	0	0
Stage6	6.35	216.893	0	UL-RL0.165 10.98		275.2	0	0	0	0
Stage6	5.95	227.213	0	UL-RL0.165 10.98		275.2	0	0	0	0
Stage6	5.55	236.919	0	UL-RL0.165 10.98		275.2	0.978	0.022	0	0.978
Stage6	5.15	243.326	0	UL-RL0.165 10.98		275.2	4.889	0.022	0	4.889
Stage6	4.75	249.739	0	UL-RL0.165 10.98		275.2	8.8	0.022	0	8.8
Stage6	4.35	256.157	0	UL-RL0.165 10.98		275.2	12.71	0.022	0	12.71
Stage6	3.95	262.579	33.234	UL-RL0.165 10.98		275.2	16.621	0.022	0	49.856
Stage6	3.55	269.006	45.654	UL-RL0.165 10.98		275.2	20.532	0.022	0	66.186
Stage6	3.15	275.436	47.945	UL-RL0.165 10.98		275.2	24.443	0.022	0	72.388
Stage6	2.75	281.87	47.551	UL-RL0.165 10.98		275.2	28.354	0.022	0	75.905
Stage6	2.35	288.306	47.68	UL-RL0.165 10.98		275.2	32.265	0.022	0	79.945
Stage6	1.95	294.746	49.001	UL-RL0.165 10.98		275.2	36.176	0.022	0	85.177
Stage6	1.55	301.188	51.182	UL-RL0.165 10.98		275.2	40.087	0.022	0	91.269
Stage6	1.15	307.633	53.75	UL-RL0.165 10.98		275.2	43.998	0.022	0	97.748
Stage6	0.75	314.324	56.391	UL-RL0.165 10.98		275.2	47.909	0.022	0	104.3
Stage6	0.35	320.767	58.973	UL-RL0.165 10.98		275.2	51.82	0.022	0	110.792
Stage6	-0.05	327.212	61.469	UL-RL0.165 10.98		275.2	55.731	0.022	0	117.2
Stage6	-0.45	333.66	63.901	UL-RL0.165 10.98		275.2	59.641	0.022	0	123.542
Stage6	-0.85	340.109	66.292	UL-RL0.165 10.98		275.2	63.552	0.022	0	129.844
Stage6	-1.25	346.56	68.66	UL-RL0.165 10.98		275.2	67.463	0.022	0	136.124
Stage6	-1.45	349.892	69.839	UL-RL0.165 10.98		275.2	69.419	0.022	0	139.258
Stage6	-1.85	356.343	72.188	UL-RL0.165 10.98		275.2	73.33	0.022	0	145.518
Stage6	-2.25	362.796	74.527	UL-RL0.165 10.98		275.2	77.241	0.022	0	151.768
Stage6	-2.65	369.25	76.858	UL-RL0.165 10.98		275.2	81.151	0.022	0	158.009
Stage6	-3.05	375.706	79.18	UL-RL0.165 10.98		275.2	85.062	0.022	0	164.242
Stage6	-3.45	382.163	81.494	UL-RL0.165 10.98		275.2	88.973	0.022	0	170.467
Stage6	-3.85	388.622	83.801	UL-RL0.165 10.98		275.2	92.884	0.022	0	176.685
Stage6	-4.25	395.081	86.102	UL-RL0.165 10.98		275.2	96.795	0.022	0	182.897
Stage6	-4.65	401.542	88.397	UL-RL0.165 10.98		275.2	100.706	0.022	0	189.103
Stage6	-5.05	408.004	90.688	UL-RL0.165 10.98		275.2	104.617	0.022	0	195.305
Stage6	-5.45	414.466	92.974	UL-RL0.165 10.98		275.2	108.528	0.022	0	201.502
Stage6	-5.85	420.93	95.256	UL-RL0.165 10.98		275.2	112.439	0.022	0	207.695
Stage6	-6.25	427.561	97.536	UL-RL0.165 10.98		275.2	116.35	0.022	0	213.885
Stage6	-6.65	434.024	99.812	UL-RL0.165 10.98		275.2	120.261	0.022	0	220.072
Stage6	-7.05	440.487	102.085	UL-RL0.165 10.98		275.2	124.172	0.022	0	226.257
Stage6	-7.45	446.951	104.357	UL-RL0.165 10.98		275.2	128.082	0.022	0	232.439

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT		
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	-7.85	453.416	106.626	UL-RL0.165	10.98	275.2	131.993	0.022	0	238.619
Stage6	-8.25	459.882	108.893	UL-RL0.165	10.98	275.2	135.904	0.022	0	244.797
Stage6	-8.65	466.349	111.159	UL-RL0.165	10.98	275.2	139.815	0.022	0	250.974
Stage6	-9.05	472.816	113.423	UL-RL0.165	10.98	275.2	143.726	0.022	0	257.149
Stage6	-9.45	479.284	115.686	UL-RL0.165	10.98	275.2	147.637	0.022	0	263.322
Stage6	-9.85	485.753	117.947	UL-RL0.165	10.98	275.2	151.548	0.022	0	269.495
Stage6	-10.25	492.222	120.208	UL-RL0.165	10.98	275.2	155.459	0.022	0	275.667
Stage6	-10.65	498.692	122.468	UL-RL0.165	10.98	275.2	159.37	0.022	0	281.837
Stage6	-11.05	505.299	124.727	UL-RL0.165	10.98	275.2	163.281	0.022	0	288.007
Stage6	-11.45	511.768	126.985	UL-RL0.165	10.98	275.2	167.192	0.022	0	294.176
Stage6	-11.85	518.237	129.243	UL-RL0.165	10.98	275.2	171.102	0.022	0	300.345
Stage6	-12.25	524.708	131.5	UL-RL0.165	10.98	275.2	175.013	0.022	0	306.513
Stage6	-12.65	531.178	133.757	UL-RL0.165	10.98	275.2	178.924	0.022	0	312.681
Stage6	-13.05	537.649	136.013	UL-RL0.165	10.98	275.2	182.835	0.022	0	318.848
Stage6	-13.45	544.121	138.269	UL-RL0.165	10.98	275.2	186.746	0.022	0	325.016
Stage6	-13.85	550.593	140.525	UL-RL0.165	10.98	275.2	190.657	0.022	0	331.182
Stage6	-14.25	557.065	142.781	UL-RL0.165	10.98	275.2	194.568	0.022	0	337.349
Stage6	-14.65	563.538	145.037	UL-RL0.165	10.98	275.2	198.479	0.022	0	343.516
Stage6	-15.05	570.011	147.292	UL-RL0.165	10.98	275.2	202.39	0.022	0	349.682
Stage6	-15.45	576.603	149.548	UL-RL0.165	10.98	275.2	206.301	0.022	0	355.848
Stage6	-15.85	583.076	151.803	UL-RL0.165	10.98	275.2	210.212	0.022	0	362.015
Stage6	-16.25	589.548	154.059	UL-RL0.165	10.98	275.2	214.122	0.022	0	368.181
Stage6	-16.65	596.022	156.314	UL-RL0.165	10.98	275.2	218.033	0.022	0	374.348
Stage6	-17.05	602.496	158.57	UL-RL0.165	10.98	275.2	221.944	0.022	0	380.514
Stage6	-17.3	606.584	159.981	UL-RL0.165	10.98	275.2	224.389	0.022	0	384.369

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.35	4.733	51.535	UL-RL	0.165	10.98	275.2	3.067	0.022	0	54.601
Stage6	3.95	11.044	43.677	UL-RL	0.165	10.98	275.2	7.156	0.022	0	50.833
Stage6	3.55	17.355	43.386	UL-RL	0.165	10.98	275.2	11.245	0.022	0	54.631
Stage6	3.15	23.666	46.672	UL-RL	0.165	10.98	275.2	15.334	0.022	0	62.006
Stage6	2.75	29.977	50.745	UL-RL	0.165	10.98	275.2	19.423	0.022	0	70.168
Stage6	2.35	36.288	54.411	UL-RL	0.165	10.98	275.2	23.512	0.022	0	77.923
Stage6	1.95	42.599	57.457	UL-RL	0.165	10.98	275.2	27.601	0.022	0	85.058
Stage6	1.55	48.91	60.052	UL-RL	0.165	10.98	275.2	31.69	0.022	0	91.743
Stage6	1.15	55.22	62.412	UL-RL	0.165	10.98	275.2	35.78	0.022	0	98.192
Stage6	0.75	61.531	64.68	UL-RL	0.165	10.98	275.2	39.869	0.022	0	104.549
Stage6	0.35	67.842	66.922	UL-RL	0.165	10.98	275.2	43.958	0.022	0	110.88
Stage6	-0.05	74.153	69.157	UL-RL	0.165	10.98	275.2	48.047	0.022	0	117.204
Stage6	-0.45	80.464	71.384	UL-RL	0.165	10.98	275.2	52.136	0.022	0	123.52
Stage6	-0.85	86.775	73.598	UL-RL	0.165	10.98	275.2	56.225	0.022	0	129.823
Stage6	-1.25	93.086	75.797	UL-RL	0.165	10.98	275.2	60.314	0.022	0	136.111
Stage6	-1.45	96.241	76.891	UL-RL	0.165	10.98	275.2	62.359	0.022	0	139.25
Stage6	-1.85	102.552	79.068	UL-RL	0.165	10.98	275.2	66.448	0.022	0	145.515
Stage6	-2.25	108.863	81.231	UL-RL	0.165	10.98	275.2	70.537	0.022	0	151.768
Stage6	-2.65	115.174	83.384	UL-RL	0.165	10.98	275.2	74.626	0.022	0	158.01
Stage6	-3.05	121.485	85.528	UL-RL	0.165	10.98	275.2	78.715	0.022	0	164.242
Stage6	-3.45	127.796	87.663	UL-RL	0.165	10.98	275.2	82.804	0.022	0	170.467
Stage6	-3.85	134.107	89.792	UL-RL	0.165	10.98	275.2	86.893	0.022	0	176.685
Stage6	-4.25	140.418	91.914	UL-RL	0.165	10.98	275.2	90.982	0.022	0	182.897
Stage6	-4.65	146.729	94.032	UL-RL	0.165	10.98	275.2	95.071	0.022	0	189.103
Stage6	-5.05	153.04	96.144	UL-RL	0.165	10.98	275.2	99.16	0.022	0	195.304
Stage6	-5.45	159.351	98.252	UL-RL	0.165	10.98	275.2	103.25	0.022	0	201.502
Stage6	-5.85	165.662	100.357	UL-RL	0.165	10.98	275.2	107.338	0.022	0	207.695
Stage6	-6.25	171.972	102.458	UL-RL	0.165	10.98	275.2	111.428	0.022	0	213.885
Stage6	-6.65	178.283	104.556	UL-RL	0.165	10.98	275.2	115.517	0.022	0	220.072
Stage6	-7.05	184.594	106.651	UL-RL	0.165	10.98	275.2	119.606	0.022	0	226.257
Stage6	-7.45	190.905	108.744	UL-RL	0.165	10.98	275.2	123.695	0.022	0	232.439
Stage6	-7.85	197.216	110.835	UL-RL	0.165	10.98	275.2	127.784	0.022	0	238.619
Stage6	-8.25	203.527	112.924	UL-RL	0.165	10.98	275.2	131.873	0.022	0	244.797
Stage6	-8.65	209.838	115.012	UL-RL	0.165	10.98	275.2	135.962	0.022	0	250.974

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	-9.05	216.149	117.098	UL-RL	0.165	10.98	275.2	140.051	0.022	0	257.149
Stage6	-9.45	222.46	119.182	UL-RL	0.165	10.98	275.2	144.14	0.022	0	263.322
Stage6	-9.85	228.771	121.266	UL-RL	0.165	10.98	275.2	148.229	0.022	0	269.495
Stage6	-10.25	235.082	123.348	UL-RL	0.165	10.98	275.2	152.318	0.022	0	275.667
Stage6	-10.65	241.392	125.43	UL-RL	0.165	10.98	275.2	156.408	0.022	0	281.837
Stage6	-11.05	247.703	127.51	UL-RL	0.165	10.98	275.2	160.497	0.022	0	288.007
Stage6	-11.45	254.014	129.591	UL-RL	0.165	10.98	275.2	164.586	0.022	0	294.176
Stage6	-11.85	260.325	131.67	UL-RL	0.165	10.98	275.2	168.675	0.022	0	300.345
Stage6	-12.25	266.636	133.749	UL-RL	0.165	10.98	275.2	172.764	0.022	0	306.513
Stage6	-12.65	272.947	135.828	UL-RL	0.165	10.98	275.2	176.853	0.022	0	312.681
Stage6	-13.05	279.258	137.906	UL-RL	0.165	10.98	275.2	180.942	0.022	0	318.848
Stage6	-13.45	285.569	139.984	UL-RL	0.165	10.98	275.2	185.031	0.022	0	325.016
Stage6	-13.85	291.88	142.062	UL-RL	0.165	10.98	275.2	189.12	0.022	0	331.182
Stage6	-14.25	298.191	144.14	UL-RL	0.165	10.98	275.2	193.209	0.022	0	337.349
Stage6	-14.65	304.501	146.217	UL-RL	0.165	10.98	275.2	197.298	0.022	0	343.516
Stage6	-15.05	310.812	148.294	UL-RL	0.165	10.98	275.2	201.387	0.022	0	349.682
Stage6	-15.45	317.123	150.372	UL-RL	0.165	10.98	275.2	205.476	0.022	0	355.848
Stage6	-15.85	323.434	152.449	UL-RL	0.165	10.98	275.2	209.566	0.022	0	362.015
Stage6	-16.25	329.745	154.526	UL-RL	0.165	10.98	275.2	213.655	0.022	0	368.181
Stage6	-16.65	336.056	156.604	UL-RL	0.165	10.98	275.2	217.744	0.022	0	374.348
Stage6	-17.05	342.367	158.681	UL-RL	0.165	10.98	275.2	221.833	0.022	0	380.514
Stage6	-17.3	346.311	159.979	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.368

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage6

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		LEFT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.35	4.733	51.535	UL-RL	0.165	10.98	275.2	3.067	0.022	0	54.601
Stage6	3.95	11.044	43.677	UL-RL	0.165	10.98	275.2	7.156	0.022	0	50.833
Stage6	3.55	17.355	43.386	UL-RL	0.165	10.98	275.2	11.245	0.022	0	54.631
Stage6	3.15	23.666	46.672	UL-RL	0.165	10.98	275.2	15.334	0.022	0	62.006
Stage6	2.75	29.977	50.745	UL-RL	0.165	10.98	275.2	19.423	0.022	0	70.168
Stage6	2.35	36.288	54.411	UL-RL	0.165	10.98	275.2	23.512	0.022	0	77.923
Stage6	1.95	42.599	57.457	UL-RL	0.165	10.98	275.2	27.601	0.022	0	85.058
Stage6	1.55	48.91	60.052	UL-RL	0.165	10.98	275.2	31.69	0.022	0	91.743
Stage6	1.15	55.22	62.412	UL-RL	0.165	10.98	275.2	35.78	0.022	0	98.192
Stage6	0.75	61.531	64.68	UL-RL	0.165	10.98	275.2	39.869	0.022	0	104.549
Stage6	0.35	67.842	66.922	UL-RL	0.165	10.98	275.2	43.958	0.022	0	110.88
Stage6	-0.05	74.153	69.157	UL-RL	0.165	10.98	275.2	48.047	0.022	0	117.204
Stage6	-0.45	80.464	71.384	UL-RL	0.165	10.98	275.2	52.136	0.022	0	123.52
Stage6	-0.85	86.775	73.598	UL-RL	0.165	10.98	275.2	56.225	0.022	0	129.823
Stage6	-1.25	93.086	75.797	UL-RL	0.165	10.98	275.2	60.314	0.022	0	136.111
Stage6	-1.45	96.241	76.891	UL-RL	0.165	10.98	275.2	62.359	0.022	0	139.25
Stage6	-1.85	102.552	79.068	UL-RL	0.165	10.98	275.2	66.448	0.022	0	145.515
Stage6	-2.25	108.863	81.231	UL-RL	0.165	10.98	275.2	70.537	0.022	0	151.768
Stage6	-2.65	115.174	83.384	UL-RL	0.165	10.98	275.2	74.626	0.022	0	158.01
Stage6	-3.05	121.485	85.528	UL-RL	0.165	10.98	275.2	78.715	0.022	0	164.242
Stage6	-3.45	127.796	87.663	UL-RL	0.165	10.98	275.2	82.804	0.022	0	170.467
Stage6	-3.85	134.107	89.792	UL-RL	0.165	10.98	275.2	86.893	0.022	0	176.685
Stage6	-4.25	140.418	91.914	UL-RL	0.165	10.98	275.2	90.982	0.022	0	182.897
Stage6	-4.65	146.729	94.032	UL-RL	0.165	10.98	275.2	95.071	0.022	0	189.103
Stage6	-5.05	153.04	96.144	UL-RL	0.165	10.98	275.2	99.16	0.022	0	195.304
Stage6	-5.45	159.351	98.252	UL-RL	0.165	10.98	275.2	103.25	0.022	0	201.502
Stage6	-5.85	165.662	100.357	UL-RL	0.165	10.98	275.2	107.338	0.022	0	207.695
Stage6	-6.25	171.972	102.458	UL-RL	0.165	10.98	275.2	111.428	0.022	0	213.885
Stage6	-6.65	178.283	104.556	UL-RL	0.165	10.98	275.2	115.517	0.022	0	220.072
Stage6	-7.05	184.594	106.651	UL-RL	0.165	10.98	275.2	119.606	0.022	0	226.257
Stage6	-7.45	190.905	108.744	UL-RL	0.165	10.98	275.2	123.695	0.022	0	232.439

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	-7.85	197.216	110.835	UL-RL	0.165	10.98	275.2	127.784	0.022	0	238.619
Stage6	-8.25	203.527	112.924	UL-RL	0.165	10.98	275.2	131.873	0.022	0	244.797
Stage6	-8.65	209.838	115.012	UL-RL	0.165	10.98	275.2	135.962	0.022	0	250.974
Stage6	-9.05	216.149	117.098	UL-RL	0.165	10.98	275.2	140.051	0.022	0	257.149
Stage6	-9.45	222.46	119.182	UL-RL	0.165	10.98	275.2	144.14	0.022	0	263.322
Stage6	-9.85	228.771	121.266	UL-RL	0.165	10.98	275.2	148.229	0.022	0	269.495
Stage6	-10.25	235.082	123.348	UL-RL	0.165	10.98	275.2	152.318	0.022	0	275.667
Stage6	-10.65	241.392	125.43	UL-RL	0.165	10.98	275.2	156.408	0.022	0	281.837
Stage6	-11.05	247.703	127.51	UL-RL	0.165	10.98	275.2	160.497	0.022	0	288.007
Stage6	-11.45	254.014	129.591	UL-RL	0.165	10.98	275.2	164.586	0.022	0	294.176
Stage6	-11.85	260.325	131.67	UL-RL	0.165	10.98	275.2	168.675	0.022	0	300.345
Stage6	-12.25	266.636	133.749	UL-RL	0.165	10.98	275.2	172.764	0.022	0	306.513
Stage6	-12.65	272.947	135.828	UL-RL	0.165	10.98	275.2	176.853	0.022	0	312.681
Stage6	-13.05	279.258	137.906	UL-RL	0.165	10.98	275.2	180.942	0.022	0	318.848
Stage6	-13.45	285.569	139.984	UL-RL	0.165	10.98	275.2	185.031	0.022	0	325.016
Stage6	-13.85	291.88	142.062	UL-RL	0.165	10.98	275.2	189.12	0.022	0	331.182
Stage6	-14.25	298.191	144.14	UL-RL	0.165	10.98	275.2	193.209	0.022	0	337.349
Stage6	-14.65	304.501	146.217	UL-RL	0.165	10.98	275.2	197.298	0.022	0	343.516
Stage6	-15.05	310.812	148.294	UL-RL	0.165	10.98	275.2	201.387	0.022	0	349.682
Stage6	-15.45	317.123	150.372	UL-RL	0.165	10.98	275.2	205.476	0.022	0	355.848
Stage6	-15.85	323.434	152.449	UL-RL	0.165	10.98	275.2	209.566	0.022	0	362.015
Stage6	-16.25	329.745	154.526	UL-RL	0.165	10.98	275.2	213.655	0.022	0	368.181
Stage6	-16.65	336.056	156.604	UL-RL	0.165	10.98	275.2	217.744	0.022	0	374.348
Stage6	-17.05	342.367	158.681	UL-RL	0.165	10.98	275.2	221.833	0.022	0	380.514
Stage6	-17.3	346.311	159.979	UL-RL	0.165	10.98	275.2	224.389	0.022	0	384.368

PROGETTO DEFINITIVOPOZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage6	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage6	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage6	14.55	38.71	3.797	UL-RL	0.433	2.529	11.2	0	0	3.797
Stage6	14.15	47.458	8.498	UL-RL	0.433	2.529	11.2	0	0	8.498
Stage6	13.75	56.076	13.139	UL-RL	0.433	2.529	11.2	0	0	13.139
Stage6	13.35	64.812	17.791	UL-RL	0.433	2.529	11.2	0	0	17.791
Stage6	12.95	73.334	22.244	UL-RL	0.433	2.529	11.2	0	0	22.244
Stage6	12.55	81.714	26.425	UL-RL	0.433	2.529	11.2	0	0	26.425
Stage6	12.15	88.736	29.663	UL-RL	0.433	2.529	11.2	0	0	29.663
Stage6	11.75	96.155	32.524	UL-RL	0.433	2.529	11.2	0	0	32.524
Stage6	11.35	103.84	34.709	UL-RL	0.433	2.529	11.2	0	0	34.709
Stage6	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage6	10.55	119.338	37.657	UL-RL	0.433	2.529	11.2	0	0	37.657
Stage6	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage6	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage6	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage6	9.15	146.996	48.909	UL-RL	0.433	2.529	11.2	0	0	48.909
Stage6	8.75	155.146	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	8.35	165.411	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	7.95	175.688	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	7.55	185.976	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	7.15	196.274	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	6.75	206.58	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	6.35	216.893	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	5.95	227.213	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	5.55	236.919	0	UL-RL	0.165	10.98	275.2	0.978	0.022	0.978
Stage6	5.15	243.326	0	UL-RL	0.165	10.98	275.2	4.889	0.022	4.889
Stage6	4.75	249.739	0	UL-RL	0.165	10.98	275.2	8.8	0.022	8.8
Stage6	4.35	256.157	0	UL-RL	0.165	10.98	275.2	12.71	0.022	12.71
Stage6	3.95	262.579	33.234	UL-RL	0.165	10.98	275.2	16.621	0.022	49.856
Stage6	3.55	269.006	45.654	UL-RL	0.165	10.98	275.2	20.532	0.022	66.186
Stage6	3.15	275.436	47.945	UL-RL	0.165	10.98	275.2	24.443	0.022	72.388
Stage6	2.75	281.87	47.551	UL-RL	0.165	10.98	275.2	28.354	0.022	75.905
Stage6	2.35	288.306	47.68	UL-RL	0.165	10.98	275.2	32.265	0.022	79.945
Stage6	1.95	294.746	49.001	UL-RL	0.165	10.98	275.2	36.176	0.022	85.177
Stage6	1.55	301.188	51.182	UL-RL	0.165	10.98	275.2	40.087	0.022	91.269
Stage6	1.15	307.633	53.75	UL-RL	0.165	10.98	275.2	43.998	0.022	97.748
Stage6	0.75	314.324	56.391	UL-RL	0.165	10.98	275.2	47.909	0.022	104.3
Stage6	0.35	320.767	58.973	UL-RL	0.165	10.98	275.2	51.82	0.022	110.792
Stage6	-0.05	327.212	61.469	UL-RL	0.165	10.98	275.2	55.731	0.022	117.2
Stage6	-0.45	333.66	63.901	UL-RL	0.165	10.98	275.2	59.641	0.022	123.542
Stage6	-0.85	340.109	66.292	UL-RL	0.165	10.98	275.2	63.552	0.022	129.844
Stage6	-1.25	346.56	68.66	UL-RL	0.165	10.98	275.2	67.463	0.022	136.124
Stage6	-1.45	349.892	69.839	UL-RL	0.165	10.98	275.2	69.419	0.022	139.258
Stage6	-1.85	356.343	72.188	UL-RL	0.165	10.98	275.2	73.33	0.022	145.518
Stage6	-2.25	362.796	74.527	UL-RL	0.165	10.98	275.2	77.241	0.022	151.768
Stage6	-2.65	369.25	76.858	UL-RL	0.165	10.98	275.2	81.151	0.022	158.009
Stage6	-3.05	375.706	79.18	UL-RL	0.165	10.98	275.2	85.062	0.022	164.242
Stage6	-3.45	382.163	81.494	UL-RL	0.165	10.98	275.2	88.973	0.022	170.467
Stage6	-3.85	388.622	83.801	UL-RL	0.165	10.98	275.2	92.884	0.022	176.685
Stage6	-4.25	395.081	86.102	UL-RL	0.165	10.98	275.2	96.795	0.022	182.897
Stage6	-4.65	401.542	88.397	UL-RL	0.165	10.98	275.2	100.706	0.022	189.103
Stage6	-5.05	408.004	90.688	UL-RL	0.165	10.98	275.2	104.617	0.022	195.305
Stage6	-5.45	414.466	92.974	UL-RL	0.165	10.98	275.2	108.528	0.022	201.502
Stage6	-5.85	420.93	95.256	UL-RL	0.165	10.98	275.2	112.439	0.022	207.695
Stage6	-6.25	427.561	97.536	UL-RL	0.165	10.98	275.2	116.35	0.022	213.885
Stage6	-6.65	434.024	99.812	UL-RL	0.165	10.98	275.2	120.261	0.022	220.072
Stage6	-7.05	440.487	102.085	UL-RL	0.165	10.98	275.2	124.172	0.022	226.257
Stage6	-7.45	446.951	104.357	UL-RL	0.165	10.98	275.2	128.082	0.022	232.439
Stage6	-7.85	453.416	106.626	UL-RL	0.165	10.98	275.2	131.993	0.022	238.619
Stage6	-8.25	459.882	108.893	UL-RL	0.165	10.98	275.2	135.904	0.022	244.797
Stage6	-8.65	466.349	111.159	UL-RL	0.165	10.98	275.2	139.815	0.022	250.974

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Muro: RIGHT		Lato RIGHT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
			Sigma H (kPa)	Stato	Ka	Kp				
Stage6	-9.05	472.816	113.423	UL-RL 0.165 10.98	275.2	143.726	0.022	0	257.149	
Stage6	-9.45	479.284	115.686	UL-RL 0.165 10.98	275.2	147.637	0.022	0	263.322	
Stage6	-9.85	485.753	117.947	UL-RL 0.165 10.98	275.2	151.548	0.022	0	269.495	
Stage6	-10.25	492.222	120.208	UL-RL 0.165 10.98	275.2	155.459	0.022	0	275.667	
Stage6	-10.65	498.692	122.468	UL-RL 0.165 10.98	275.2	159.37	0.022	0	281.837	
Stage6	-11.05	505.299	124.727	UL-RL 0.165 10.98	275.2	163.281	0.022	0	288.007	
Stage6	-11.45	511.768	126.985	UL-RL 0.165 10.98	275.2	167.192	0.022	0	294.176	
Stage6	-11.85	518.237	129.243	UL-RL 0.165 10.98	275.2	171.102	0.022	0	300.345	
Stage6	-12.25	524.708	131.5	UL-RL 0.165 10.98	275.2	175.013	0.022	0	306.513	
Stage6	-12.65	531.178	133.757	UL-RL 0.165 10.98	275.2	178.924	0.022	0	312.681	
Stage6	-13.05	537.649	136.013	UL-RL 0.165 10.98	275.2	182.835	0.022	0	318.848	
Stage6	-13.45	544.121	138.269	UL-RL 0.165 10.98	275.2	186.746	0.022	0	325.016	
Stage6	-13.85	550.593	140.525	UL-RL 0.165 10.98	275.2	190.657	0.022	0	331.182	
Stage6	-14.25	557.065	142.781	UL-RL 0.165 10.98	275.2	194.568	0.022	0	337.349	
Stage6	-14.65	563.538	145.037	UL-RL 0.165 10.98	275.2	198.479	0.022	0	343.516	
Stage6	-15.05	570.011	147.292	UL-RL 0.165 10.98	275.2	202.39	0.022	0	349.682	
Stage6	-15.45	576.603	149.548	UL-RL 0.165 10.98	275.2	206.301	0.022	0	355.848	
Stage6	-15.85	583.076	151.803	UL-RL 0.165 10.98	275.2	210.212	0.022	0	362.015	
Stage6	-16.25	589.548	154.059	UL-RL 0.165 10.98	275.2	214.122	0.022	0	368.181	
Stage6	-16.65	596.022	156.314	UL-RL 0.165 10.98	275.2	218.033	0.022	0	374.348	
Stage6	-17.05	602.496	158.57	UL-RL 0.165 10.98	275.2	221.944	0.022	0	380.514	
Stage6	-17.3	606.584	159.981	UL-RL 0.165 10.98	275.2	224.389	0.022	0	384.369	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage7

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage7	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage7	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage7	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage7	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage7	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage7	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage7	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage7	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage7	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage7	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage7	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage7	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage7	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage7	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage7	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage7	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage7	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage7	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage7	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage7	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage7	7.55	185.976	0.591	UL-RL	0.165	10.98	275.2	0	0	0.591
Stage7	7.15	196.274	1.056	UL-RL	0.165	10.98	275.2	0	0	1.056
Stage7	6.75	206.58	1.19	UL-RL	0.165	10.98	275.2	0	0	1.19
Stage7	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage7	5.95	227.213	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.55	237.896	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.15	248.215	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.75	258.538	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.35	268.867	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.95	279.2	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.55	289.538	2.682	UL-RL	0.165	10.98	275.2	0	0	2.682
Stage7	3.15	299.879	5.118	UL-RL	0.165	10.98	275.2	0	0	5.118
Stage7	2.75	310.224	3.04	UL-RL	0.165	10.98	275.2	0	0	3.04
Stage7	2.35	320.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.95	330.922	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.55	341.275	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.15	351.631	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.75	362.233	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.35	372.587	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.05	382.943	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.45	393.301	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-1.25	411.118	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	2.905
Stage7	-1.45	414.469	0	ACTIVE	0.165	10.98	275.2	4.842	0.032	4.842
Stage7	-1.85	420.957	14.466	UL-RL	0.165	10.98	275.2	8.716	0.032	23.182
Stage7	-2.25	427.447	31.954	UL-RL	0.165	10.98	275.2	12.59	0.032	44.543
Stage7	-2.65	433.938	46.47	UL-RL	0.165	10.98	275.2	16.464	0.032	62.934
Stage7	-3.05	440.431	56.139	UL-RL	0.165	10.98	275.2	20.338	0.032	76.476
Stage7	-3.45	446.925	61.989	UL-RL	0.165	10.98	275.2	24.211	0.032	86.201
Stage7	-3.85	453.421	65.665	UL-RL	0.165	10.98	275.2	28.085	0.032	93.75
Stage7	-4.25	459.917	68.43	UL-RL	0.165	10.98	275.2	31.959	0.032	100.389
Stage7	-4.65	466.415	70.982	UL-RL	0.165	10.98	275.2	35.833	0.032	106.815
Stage7	-5.05	472.914	73.591	UL-RL	0.165	10.98	275.2	39.707	0.032	113.298
Stage7	-5.45	479.414	76.297	UL-RL	0.165	10.98	275.2	43.58	0.032	119.877
Stage7	-5.85	485.914	79.056	UL-RL	0.165	10.98	275.2	47.454	0.032	126.51
Stage7	-6.25	492.583	81.817	UL-RL	0.165	10.98	275.2	51.328	0.032	133.145
Stage7	-6.65	499.082	84.548	UL-RL	0.165	10.98	275.2	55.202	0.032	139.75
Stage7	-7.05	505.583	87.238	UL-RL	0.165	10.98	275.2	59.076	0.032	146.314
Stage7	-7.45	512.084	89.886	UL-RL	0.165	10.98	275.2	62.95	0.032	152.836

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-7.85	518.586	92.499	UL-RL	0.165	10.98	275.2	66.823	0.032	0	159.322
Stage7	-8.25	525.089	95.083	UL-RL	0.165	10.98	275.2	70.697	0.032	0	165.78
Stage7	-8.65	531.593	97.644	UL-RL	0.165	10.98	275.2	74.571	0.032	0	172.215
Stage7	-9.05	538.097	100.184	UL-RL	0.165	10.98	275.2	78.445	0.032	0	178.629
Stage7	-9.45	544.602	102.708	UL-RL	0.165	10.98	275.2	82.319	0.032	0	185.027
Stage7	-9.85	551.108	105.217	UL-RL	0.165	10.98	275.2	86.192	0.032	0	191.409
Stage7	-10.25	557.614	107.712	UL-RL	0.165	10.98	275.2	90.066	0.032	0	197.778
Stage7	-10.65	564.121	110.195	UL-RL	0.165	10.98	275.2	93.94	0.032	0	204.135
Stage7	-11.05	570.766	112.666	UL-RL	0.165	10.98	275.2	97.814	0.032	0	210.48
Stage7	-11.45	577.272	115.128	UL-RL	0.165	10.98	275.2	101.688	0.032	0	216.816
Stage7	-11.85	583.778	117.58	UL-RL	0.165	10.98	275.2	105.562	0.032	0	223.142
Stage7	-12.25	590.286	120.024	UL-RL	0.165	10.98	275.2	109.435	0.032	0	229.46
Stage7	-12.65	596.793	122.46	UL-RL	0.165	10.98	275.2	113.309	0.032	0	235.77
Stage7	-13.05	603.302	124.89	UL-RL	0.165	10.98	275.2	117.183	0.032	0	242.073
Stage7	-13.45	609.81	127.312	UL-RL	0.165	10.98	275.2	121.057	0.032	0	248.369
Stage7	-13.85	616.319	129.73	UL-RL	0.165	10.98	275.2	124.931	0.032	0	254.66
Stage7	-14.25	622.829	132.141	UL-RL	0.165	10.98	275.2	128.804	0.032	0	260.945
Stage7	-14.65	629.339	134.547	UL-RL	0.165	10.98	275.2	132.678	0.032	0	267.226
Stage7	-15.05	635.849	136.949	UL-RL	0.165	10.98	275.2	136.552	0.032	0	273.501
Stage7	-15.45	642.478	139.346	UL-RL	0.165	10.98	275.2	140.426	0.032	0	279.772
Stage7	-15.85	648.987	141.74	UL-RL	0.165	10.98	275.2	144.3	0.032	0	286.039
Stage7	-16.25	655.498	144.129	UL-RL	0.165	10.98	275.2	148.173	0.032	0	292.303
Stage7	-16.65	662.008	146.517	UL-RL	0.165	10.98	275.2	152.047	0.032	0	298.564
Stage7	-17.05	668.519	148.903	UL-RL	0.165	10.98	275.2	155.921	0.032	0	304.824
Stage7	-17.3	672.63	150.394	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.736

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)		
Stage7	15.7	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	15.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	14.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	14.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	14.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	13.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	13.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	12.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	12.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	12.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	11.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	11.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	10.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	10.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	10.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	9.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	9.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	9.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	8.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	8.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	7.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	7.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	7.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	6.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	6.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	5.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	5.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	5.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	4.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	4.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	3.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	3.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	3.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	2.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	2.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	1.95	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	1.55	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	1.15	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	0.75	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	0.35	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-0.05	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-0.45	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-0.85	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-1.25	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-1.45	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-1.85	0	0	REMOVED	0	0	0	0	0	0	0	0
Stage7	-2.25	4.705	63.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	66.972	
Stage7	-2.65	10.979	64.893	UL-RL	0.165	10.98	275.2	7.221	0.032	0	72.113	
Stage7	-3.05	17.253	66.456	UL-RL	0.165	10.98	275.2	11.347	0.032	0	77.803	
Stage7	-3.45	23.527	68.97	UL-RL	0.165	10.98	275.2	15.473	0.032	0	84.443	
Stage7	-3.85	29.801	72.01	UL-RL	0.165	10.98	275.2	19.599	0.032	0	91.61	
Stage7	-4.25	36.074	75.164	UL-RL	0.165	10.98	275.2	23.726	0.032	0	98.89	
Stage7	-4.65	42.348	78.208	UL-RL	0.165	10.98	275.2	27.852	0.032	0	106.059	
Stage7	-5.05	48.622	81.073	UL-RL	0.165	10.98	275.2	31.978	0.032	0	113.051	
Stage7	-5.45	54.896	83.776	UL-RL	0.165	10.98	275.2	36.104	0.032	0	119.88	
Stage7	-5.85	61.17	86.359	UL-RL	0.165	10.98	275.2	40.23	0.032	0	126.589	
Stage7	-6.25	67.444	88.861	UL-RL	0.165	10.98	275.2	44.356	0.032	0	133.218	
Stage7	-6.65	73.717	91.31	UL-RL	0.165	10.98	275.2	48.483	0.032	0	139.793	
Stage7	-7.05	79.991	93.721	UL-RL	0.165	10.98	275.2	52.609	0.032	0	146.33	
Stage7	-7.45	86.265	96.102	UL-RL	0.165	10.98	275.2	56.735	0.032	0	152.837	
Stage7	-7.85	92.539	98.456	UL-RL	0.165	10.98	275.2	60.861	0.032	0	159.318	
Stage7	-8.25	98.813	100.787	UL-RL	0.165	10.98	275.2	64.987	0.032	0	165.775	
Stage7	-8.65	105.086	103.097	UL-RL	0.165	10.98	275.2	69.114	0.032	0	172.21	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-9.05	111.36	105.387	UL-RL	0.165	10.98	275.2	73.24	0.032	0	178.627
Stage7	-9.45	117.634	107.659	UL-RL	0.165	10.98	275.2	77.366	0.032	0	185.025
Stage7	-9.85	123.908	109.916	UL-RL	0.165	10.98	275.2	81.492	0.032	0	191.408
Stage7	-10.25	130.182	112.16	UL-RL	0.165	10.98	275.2	85.618	0.032	0	197.778
Stage7	-10.65	136.456	114.39	UL-RL	0.165	10.98	275.2	89.744	0.032	0	204.134
Stage7	-11.05	142.729	116.609	UL-RL	0.165	10.98	275.2	93.871	0.032	0	210.48
Stage7	-11.45	149.003	118.818	UL-RL	0.165	10.98	275.2	97.997	0.032	0	216.815
Stage7	-11.85	155.277	121.018	UL-RL	0.165	10.98	275.2	102.123	0.032	0	223.142
Stage7	-12.25	161.551	123.21	UL-RL	0.165	10.98	275.2	106.249	0.032	0	229.459
Stage7	-12.65	167.825	125.394	UL-RL	0.165	10.98	275.2	110.375	0.032	0	235.769
Stage7	-13.05	174.098	127.571	UL-RL	0.165	10.98	275.2	114.502	0.032	0	242.072
Stage7	-13.45	180.372	129.741	UL-RL	0.165	10.98	275.2	118.628	0.032	0	248.369
Stage7	-13.85	186.646	131.906	UL-RL	0.165	10.98	275.2	122.754	0.032	0	254.66
Stage7	-14.25	192.92	134.065	UL-RL	0.165	10.98	275.2	126.88	0.032	0	260.945
Stage7	-14.65	199.194	136.219	UL-RL	0.165	10.98	275.2	131.006	0.032	0	267.225
Stage7	-15.05	205.467	138.369	UL-RL	0.165	10.98	275.2	135.132	0.032	0	273.501
Stage7	-15.45	211.741	140.514	UL-RL	0.165	10.98	275.2	139.259	0.032	0	279.773
Stage7	-15.85	218.015	142.656	UL-RL	0.165	10.98	275.2	143.385	0.032	0	286.04
Stage7	-16.25	224.289	144.793	UL-RL	0.165	10.98	275.2	147.511	0.032	0	292.304
Stage7	-16.65	230.563	146.927	UL-RL	0.165	10.98	275.2	151.637	0.032	0	298.564
Stage7	-17.05	236.836	149.057	UL-RL	0.165	10.98	275.2	155.763	0.032	0	304.82
Stage7	-17.3	240.758	150.386	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage7

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-2.25	4.705	63.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	66.972
Stage7	-2.65	10.979	64.893	UL-RL	0.165	10.98	275.2	7.221	0.032	0	72.113
Stage7	-3.05	17.253	66.456	UL-RL	0.165	10.98	275.2	11.347	0.032	0	77.803
Stage7	-3.45	23.527	68.97	UL-RL	0.165	10.98	275.2	15.473	0.032	0	84.443
Stage7	-3.85	29.801	72.01	UL-RL	0.165	10.98	275.2	19.599	0.032	0	91.61
Stage7	-4.25	36.074	75.164	UL-RL	0.165	10.98	275.2	23.726	0.032	0	98.89
Stage7	-4.65	42.348	78.208	UL-RL	0.165	10.98	275.2	27.852	0.032	0	106.059
Stage7	-5.05	48.622	81.073	UL-RL	0.165	10.98	275.2	31.978	0.032	0	113.051
Stage7	-5.45	54.896	83.776	UL-RL	0.165	10.98	275.2	36.104	0.032	0	119.88
Stage7	-5.85	61.17	86.359	UL-RL	0.165	10.98	275.2	40.23	0.032	0	126.589
Stage7	-6.25	67.444	88.861	UL-RL	0.165	10.98	275.2	44.356	0.032	0	133.218
Stage7	-6.65	73.717	91.31	UL-RL	0.165	10.98	275.2	48.483	0.032	0	139.793
Stage7	-7.05	79.991	93.721	UL-RL	0.165	10.98	275.2	52.609	0.032	0	146.33
Stage7	-7.45	86.265	96.102	UL-RL	0.165	10.98	275.2	56.735	0.032	0	152.837

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-7.85	92.539	98.456	UL-RL	0.165	10.98	275.2	60.861	0.032	0	159.318
Stage7	-8.25	98.813	100.787	UL-RL	0.165	10.98	275.2	64.987	0.032	0	165.775
Stage7	-8.65	105.086	103.097	UL-RL	0.165	10.98	275.2	69.114	0.032	0	172.21
Stage7	-9.05	111.36	105.387	UL-RL	0.165	10.98	275.2	73.24	0.032	0	178.627
Stage7	-9.45	117.634	107.659	UL-RL	0.165	10.98	275.2	77.366	0.032	0	185.025
Stage7	-9.85	123.908	109.916	UL-RL	0.165	10.98	275.2	81.492	0.032	0	191.408
Stage7	-10.25	130.182	112.16	UL-RL	0.165	10.98	275.2	85.618	0.032	0	197.778
Stage7	-10.65	136.456	114.39	UL-RL	0.165	10.98	275.2	89.744	0.032	0	204.134
Stage7	-11.05	142.729	116.609	UL-RL	0.165	10.98	275.2	93.871	0.032	0	210.48
Stage7	-11.45	149.003	118.818	UL-RL	0.165	10.98	275.2	97.997	0.032	0	216.815
Stage7	-11.85	155.277	121.018	UL-RL	0.165	10.98	275.2	102.123	0.032	0	223.142
Stage7	-12.25	161.551	123.21	UL-RL	0.165	10.98	275.2	106.249	0.032	0	229.459
Stage7	-12.65	167.825	125.394	UL-RL	0.165	10.98	275.2	110.375	0.032	0	235.769
Stage7	-13.05	174.098	127.571	UL-RL	0.165	10.98	275.2	114.502	0.032	0	242.072
Stage7	-13.45	180.372	129.741	UL-RL	0.165	10.98	275.2	118.628	0.032	0	248.369
Stage7	-13.85	186.646	131.906	UL-RL	0.165	10.98	275.2	122.754	0.032	0	254.66
Stage7	-14.25	192.92	134.065	UL-RL	0.165	10.98	275.2	126.88	0.032	0	260.945
Stage7	-14.65	199.194	136.219	UL-RL	0.165	10.98	275.2	131.006	0.032	0	267.225
Stage7	-15.05	205.467	138.369	UL-RL	0.165	10.98	275.2	135.132	0.032	0	273.501
Stage7	-15.45	211.741	140.514	UL-RL	0.165	10.98	275.2	139.259	0.032	0	279.773
Stage7	-15.85	218.015	142.656	UL-RL	0.165	10.98	275.2	143.385	0.032	0	286.04
Stage7	-16.25	224.289	144.793	UL-RL	0.165	10.98	275.2	147.511	0.032	0	292.304
Stage7	-16.65	230.563	146.927	UL-RL	0.165	10.98	275.2	151.637	0.032	0	298.564
Stage7	-17.05	236.836	149.057	UL-RL	0.165	10.98	275.2	155.763	0.032	0	304.82
Stage7	-17.3	240.758	150.386	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage7	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage7	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage7	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage7	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage7	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage7	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage7	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage7	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage7	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage7	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage7	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage7	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage7	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage7	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage7	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage7	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage7	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage7	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage7	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage7	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage7	7.55	185.976	0.591	UL-RL	0.165	10.98	275.2	0	0	0.591
Stage7	7.15	196.274	1.056	UL-RL	0.165	10.98	275.2	0	0	1.056
Stage7	6.75	206.58	1.19	UL-RL	0.165	10.98	275.2	0	0	1.19
Stage7	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage7	5.95	227.213	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.55	237.896	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.15	248.215	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.75	258.538	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.35	268.867	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.95	279.2	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.55	289.538	2.682	UL-RL	0.165	10.98	275.2	0	0	2.682
Stage7	3.15	299.879	5.118	UL-RL	0.165	10.98	275.2	0	0	5.118
Stage7	2.75	310.224	3.04	UL-RL	0.165	10.98	275.2	0	0	3.04
Stage7	2.35	320.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.95	330.922	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.55	341.275	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.15	351.631	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.75	362.233	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.35	372.587	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.05	382.943	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.45	393.301	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-1.25	411.118	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	2.905
Stage7	-1.45	414.469	0	ACTIVE	0.165	10.98	275.2	4.842	0.032	4.842
Stage7	-1.85	420.957	14.466	UL-RL	0.165	10.98	275.2	8.716	0.032	23.182
Stage7	-2.25	427.447	31.954	UL-RL	0.165	10.98	275.2	12.59	0.032	44.543
Stage7	-2.65	433.938	46.47	UL-RL	0.165	10.98	275.2	16.464	0.032	62.934
Stage7	-3.05	440.431	56.139	UL-RL	0.165	10.98	275.2	20.338	0.032	76.476
Stage7	-3.45	446.925	61.989	UL-RL	0.165	10.98	275.2	24.211	0.032	86.201
Stage7	-3.85	453.421	65.665	UL-RL	0.165	10.98	275.2	28.085	0.032	93.75
Stage7	-4.25	459.917	68.43	UL-RL	0.165	10.98	275.2	31.959	0.032	100.389
Stage7	-4.65	466.415	70.982	UL-RL	0.165	10.98	275.2	35.833	0.032	106.815
Stage7	-5.05	472.914	73.591	UL-RL	0.165	10.98	275.2	39.707	0.032	113.298
Stage7	-5.45	479.414	76.297	UL-RL	0.165	10.98	275.2	43.58	0.032	119.877
Stage7	-5.85	485.914	79.056	UL-RL	0.165	10.98	275.2	47.454	0.032	126.51
Stage7	-6.25	492.583	81.817	UL-RL	0.165	10.98	275.2	51.328	0.032	133.145
Stage7	-6.65	499.082	84.548	UL-RL	0.165	10.98	275.2	55.202	0.032	139.75
Stage7	-7.05	505.583	87.238	UL-RL	0.165	10.98	275.2	59.076	0.032	146.314
Stage7	-7.45	512.084	89.886	UL-RL	0.165	10.98	275.2	62.95	0.032	152.836
Stage7	-7.85	518.586	92.499	UL-RL	0.165	10.98	275.2	66.823	0.032	159.322
Stage7	-8.25	525.089	95.083	UL-RL	0.165	10.98	275.2	70.697	0.032	165.78
Stage7	-8.65	531.593	97.644	UL-RL	0.165	10.98	275.2	74.571	0.032	172.215

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-9.05	538.097	100.184	UL-RL	0.165	10.98	275.2	78.445	0.032	0	178.629
Stage7	-9.45	544.602	102.708	UL-RL	0.165	10.98	275.2	82.319	0.032	0	185.027
Stage7	-9.85	551.108	105.217	UL-RL	0.165	10.98	275.2	86.192	0.032	0	191.409
Stage7	-10.25	557.614	107.712	UL-RL	0.165	10.98	275.2	90.066	0.032	0	197.778
Stage7	-10.65	564.121	110.195	UL-RL	0.165	10.98	275.2	93.94	0.032	0	204.135
Stage7	-11.05	570.766	112.666	UL-RL	0.165	10.98	275.2	97.814	0.032	0	210.48
Stage7	-11.45	577.272	115.128	UL-RL	0.165	10.98	275.2	101.688	0.032	0	216.816
Stage7	-11.85	583.778	117.58	UL-RL	0.165	10.98	275.2	105.562	0.032	0	223.142
Stage7	-12.25	590.286	120.024	UL-RL	0.165	10.98	275.2	109.435	0.032	0	229.46
Stage7	-12.65	596.793	122.46	UL-RL	0.165	10.98	275.2	113.309	0.032	0	235.77
Stage7	-13.05	603.302	124.89	UL-RL	0.165	10.98	275.2	117.183	0.032	0	242.073
Stage7	-13.45	609.81	127.312	UL-RL	0.165	10.98	275.2	121.057	0.032	0	248.369
Stage7	-13.85	616.319	129.73	UL-RL	0.165	10.98	275.2	124.931	0.032	0	254.66
Stage7	-14.25	622.829	132.141	UL-RL	0.165	10.98	275.2	128.804	0.032	0	260.945
Stage7	-14.65	629.339	134.547	UL-RL	0.165	10.98	275.2	132.678	0.032	0	267.226
Stage7	-15.05	635.849	136.949	UL-RL	0.165	10.98	275.2	136.552	0.032	0	273.501
Stage7	-15.45	642.478	139.346	UL-RL	0.165	10.98	275.2	140.426	0.032	0	279.772
Stage7	-15.85	648.987	141.74	UL-RL	0.165	10.98	275.2	144.3	0.032	0	286.039
Stage7	-16.25	655.498	144.129	UL-RL	0.165	10.98	275.2	148.173	0.032	0	292.303
Stage7	-16.65	662.008	146.517	UL-RL	0.165	10.98	275.2	152.047	0.032	0	298.564
Stage7	-17.05	668.519	148.903	UL-RL	0.165	10.98	275.2	155.921	0.032	0	304.824
Stage7	-17.3	672.63	150.394	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.736

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage8

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Stage8	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Stage8	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Stage8	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	0	3.798
Stage8	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	0	8.499
Stage8	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	0	13.14
Stage8	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	0	17.792
Stage8	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	0	22.245
Stage8	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	0	26.426
Stage8	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	0	29.664
Stage8	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	0	32.525
Stage8	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	0	34.71
Stage8	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Stage8	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	0	37.655
Stage8	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	0	40.309
Stage8	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	0	42.135
Stage8	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	0	45.518
Stage8	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	0	48.91
Stage8	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0	0.068
Stage8	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0	0.203
Stage8	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0	0.386
Stage8	7.55	185.976	0.591	UL-RL	0.165	10.98	275.2	0	0	0	0.591
Stage8	7.15	196.274	1.056	UL-RL	0.165	10.98	275.2	0	0	0	1.056
Stage8	6.75	206.58	1.19	UL-RL	0.165	10.98	275.2	0	0	0	1.19
Stage8	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0	0.377
Stage8	5.95	227.213	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage8	5.55	237.896	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage8	5.15	248.215	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage8	4.75	258.538	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage8	4.35	268.867	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage8	3.95	279.2	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage8	3.55	289.538	2.682	UL-RL	0.165	10.98	275.2	0	0	0	2.682
Stage8	3.15	299.879	5.118	UL-RL	0.165	10.98	275.2	0	0	0	5.118
Stage8	2.75	310.224	3.04	UL-RL	0.165	10.98	275.2	0	0	0	3.04
Stage8	2.35	320.572	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage8	1.95	330.922	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage8	1.55	341.275	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage8	1.15	351.631	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage8	0.75	362.233	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage8	0.35	372.587	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage8	-0.05	382.943	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage8	-0.45	393.301	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage8	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage8	-1.25	411.118	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	0	2.905
Stage8	-1.45	414.469	0	ACTIVE	0.165	10.98	275.2	4.842	0.032	0	4.842
Stage8	-1.85	420.957	14.466	UL-RL	0.165	10.98	275.2	8.716	0.032	0	23.182
Stage8	-2.25	427.447	31.954	UL-RL	0.165	10.98	275.2	12.59	0.032	0	44.543
Stage8	-2.65	433.938	46.47	UL-RL	0.165	10.98	275.2	16.464	0.032	0	62.934
Stage8	-3.05	440.431	56.139	UL-RL	0.165	10.98	275.2	20.338	0.032	0	76.476
Stage8	-3.45	446.925	61.989	UL-RL	0.165	10.98	275.2	24.211	0.032	0	86.201
Stage8	-3.85	453.421	65.665	UL-RL	0.165	10.98	275.2	28.085	0.032	0	93.75
Stage8	-4.25	459.917	68.43	UL-RL	0.165	10.98	275.2	31.959	0.032	0	100.389
Stage8	-4.65	466.415	70.982	UL-RL	0.165	10.98	275.2	35.833	0.032	0	106.815
Stage8	-5.05	472.914	73.591	UL-RL	0.165	10.98	275.2	39.707	0.032	0	113.298
Stage8	-5.45	479.414	76.297	UL-RL	0.165	10.98	275.2	43.58	0.032	0	119.877
Stage8	-5.85	485.914	79.056	UL-RL	0.165	10.98	275.2	47.454	0.032	0	126.51
Stage8	-6.25	492.583	81.817	UL-RL	0.165	10.98	275.2	51.328	0.032	0	133.145
Stage8	-6.65	499.082	84.548	UL-RL	0.165	10.98	275.2	55.202	0.032	0	139.75
Stage8	-7.05	505.583	87.238	UL-RL	0.165	10.98	275.2	59.076	0.032	0	146.314
Stage8	-7.45	512.084	89.886	UL-RL	0.165	10.98	275.2	62.95	0.032	0	152.836

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-7.85	518.586	92.499	UL-RL	0.165	10.98	275.2	66.823	0.032	0	159.322
Stage8	-8.25	525.089	95.083	UL-RL	0.165	10.98	275.2	70.697	0.032	0	165.78
Stage8	-8.65	531.593	97.644	UL-RL	0.165	10.98	275.2	74.571	0.032	0	172.215
Stage8	-9.05	538.097	100.184	UL-RL	0.165	10.98	275.2	78.445	0.032	0	178.629
Stage8	-9.45	544.602	102.708	UL-RL	0.165	10.98	275.2	82.319	0.032	0	185.027
Stage8	-9.85	551.108	105.217	UL-RL	0.165	10.98	275.2	86.192	0.032	0	191.409
Stage8	-10.25	557.614	107.712	UL-RL	0.165	10.98	275.2	90.066	0.032	0	197.778
Stage8	-10.65	564.121	110.195	UL-RL	0.165	10.98	275.2	93.94	0.032	0	204.135
Stage8	-11.05	570.766	112.666	UL-RL	0.165	10.98	275.2	97.814	0.032	0	210.48
Stage8	-11.45	577.272	115.128	UL-RL	0.165	10.98	275.2	101.688	0.032	0	216.816
Stage8	-11.85	583.778	117.58	UL-RL	0.165	10.98	275.2	105.562	0.032	0	223.142
Stage8	-12.25	590.286	120.024	UL-RL	0.165	10.98	275.2	109.435	0.032	0	229.46
Stage8	-12.65	596.793	122.46	UL-RL	0.165	10.98	275.2	113.309	0.032	0	235.77
Stage8	-13.05	603.302	124.89	UL-RL	0.165	10.98	275.2	117.183	0.032	0	242.073
Stage8	-13.45	609.81	127.312	UL-RL	0.165	10.98	275.2	121.057	0.032	0	248.369
Stage8	-13.85	616.319	129.73	UL-RL	0.165	10.98	275.2	124.931	0.032	0	254.66
Stage8	-14.25	622.829	132.141	UL-RL	0.165	10.98	275.2	128.804	0.032	0	260.945
Stage8	-14.65	629.339	134.547	UL-RL	0.165	10.98	275.2	132.678	0.032	0	267.226
Stage8	-15.05	635.849	136.949	UL-RL	0.165	10.98	275.2	136.552	0.032	0	273.501
Stage8	-15.45	642.478	139.346	UL-RL	0.165	10.98	275.2	140.426	0.032	0	279.772
Stage8	-15.85	648.987	141.74	UL-RL	0.165	10.98	275.2	144.3	0.032	0	286.039
Stage8	-16.25	655.498	144.129	UL-RL	0.165	10.98	275.2	148.173	0.032	0	292.303
Stage8	-16.65	662.008	146.517	UL-RL	0.165	10.98	275.2	152.047	0.032	0	298.564
Stage8	-17.05	668.519	148.903	UL-RL	0.165	10.98	275.2	155.921	0.032	0	304.824
Stage8	-17.3	672.63	150.394	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.736

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)		
Stage8	15.7	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	15.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	14.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	14.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	14.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	13.75	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	13.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	12.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	12.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	12.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	11.75	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	11.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	10.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	10.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	10.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	9.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	9.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	9.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	8.75	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	8.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	7.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	7.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	7.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	6.75	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	6.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	5.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	5.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	5.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	4.75	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	4.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	3.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	3.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	3.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	2.75	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	2.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	1.95	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	1.55	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	1.15	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	0.75	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	0.35	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	-0.05	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	-0.45	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	-0.85	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	-1.25	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	-1.45	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	-1.85	0	0	REMOVED	0	0	0	0	0	0	0	
Stage8	-2.25	4.705	63.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	66.972	
Stage8	-2.65	10.979	64.893	UL-RL	0.165	10.98	275.2	7.221	0.032	0	72.113	
Stage8	-3.05	17.253	66.456	UL-RL	0.165	10.98	275.2	11.347	0.032	0	77.803	
Stage8	-3.45	23.527	68.97	UL-RL	0.165	10.98	275.2	15.473	0.032	0	84.443	
Stage8	-3.85	29.801	72.01	UL-RL	0.165	10.98	275.2	19.599	0.032	0	91.61	
Stage8	-4.25	36.074	75.164	UL-RL	0.165	10.98	275.2	23.726	0.032	0	98.89	
Stage8	-4.65	42.348	78.208	UL-RL	0.165	10.98	275.2	27.852	0.032	0	106.059	
Stage8	-5.05	48.622	81.073	UL-RL	0.165	10.98	275.2	31.978	0.032	0	113.051	
Stage8	-5.45	54.896	83.776	UL-RL	0.165	10.98	275.2	36.104	0.032	0	119.88	
Stage8	-5.85	61.17	86.359	UL-RL	0.165	10.98	275.2	40.23	0.032	0	126.589	
Stage8	-6.25	67.444	88.861	UL-RL	0.165	10.98	275.2	44.356	0.032	0	133.218	
Stage8	-6.65	73.717	91.31	UL-RL	0.165	10.98	275.2	48.483	0.032	0	139.793	
Stage8	-7.05	79.991	93.721	UL-RL	0.165	10.98	275.2	52.609	0.032	0	146.33	
Stage8	-7.45	86.265	96.102	UL-RL	0.165	10.98	275.2	56.735	0.032	0	152.837	
Stage8	-7.85	92.539	98.456	UL-RL	0.165	10.98	275.2	60.861	0.032	0	159.318	
Stage8	-8.25	98.813	100.787	UL-RL	0.165	10.98	275.2	64.987	0.032	0	165.775	
Stage8	-8.65	105.086	103.097	UL-RL	0.165	10.98	275.2	69.114	0.032	0	172.21	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-9.05	111.36	105.387	UL-RL	0.165	10.98	275.2	73.24	0.032	0	178.627
Stage8	-9.45	117.634	107.659	UL-RL	0.165	10.98	275.2	77.366	0.032	0	185.025
Stage8	-9.85	123.908	109.916	UL-RL	0.165	10.98	275.2	81.492	0.032	0	191.408
Stage8	-10.25	130.182	112.16	UL-RL	0.165	10.98	275.2	85.618	0.032	0	197.778
Stage8	-10.65	136.456	114.39	UL-RL	0.165	10.98	275.2	89.744	0.032	0	204.134
Stage8	-11.05	142.729	116.609	UL-RL	0.165	10.98	275.2	93.871	0.032	0	210.48
Stage8	-11.45	149.003	118.818	UL-RL	0.165	10.98	275.2	97.997	0.032	0	216.815
Stage8	-11.85	155.277	121.018	UL-RL	0.165	10.98	275.2	102.123	0.032	0	223.142
Stage8	-12.25	161.551	123.21	UL-RL	0.165	10.98	275.2	106.249	0.032	0	229.459
Stage8	-12.65	167.825	125.394	UL-RL	0.165	10.98	275.2	110.375	0.032	0	235.769
Stage8	-13.05	174.098	127.571	UL-RL	0.165	10.98	275.2	114.502	0.032	0	242.072
Stage8	-13.45	180.372	129.741	UL-RL	0.165	10.98	275.2	118.628	0.032	0	248.369
Stage8	-13.85	186.646	131.906	UL-RL	0.165	10.98	275.2	122.754	0.032	0	254.66
Stage8	-14.25	192.92	134.065	UL-RL	0.165	10.98	275.2	126.88	0.032	0	260.945
Stage8	-14.65	199.194	136.219	UL-RL	0.165	10.98	275.2	131.006	0.032	0	267.225
Stage8	-15.05	205.467	138.369	UL-RL	0.165	10.98	275.2	135.132	0.032	0	273.501
Stage8	-15.45	211.741	140.514	UL-RL	0.165	10.98	275.2	139.259	0.032	0	279.773
Stage8	-15.85	218.015	142.656	UL-RL	0.165	10.98	275.2	143.385	0.032	0	286.04
Stage8	-16.25	224.289	144.793	UL-RL	0.165	10.98	275.2	147.511	0.032	0	292.304
Stage8	-16.65	230.563	146.927	UL-RL	0.165	10.98	275.2	151.637	0.032	0	298.564
Stage8	-17.05	236.836	149.057	UL-RL	0.165	10.98	275.2	155.763	0.032	0	304.82
Stage8	-17.3	240.758	150.386	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage8

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-2.25	4.705	63.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	66.972
Stage8	-2.65	10.979	64.893	UL-RL	0.165	10.98	275.2	7.221	0.032	0	72.113
Stage8	-3.05	17.253	66.456	UL-RL	0.165	10.98	275.2	11.347	0.032	0	77.803
Stage8	-3.45	23.527	68.97	UL-RL	0.165	10.98	275.2	15.473	0.032	0	84.443
Stage8	-3.85	29.801	72.01	UL-RL	0.165	10.98	275.2	19.599	0.032	0	91.61
Stage8	-4.25	36.074	75.164	UL-RL	0.165	10.98	275.2	23.726	0.032	0	98.89
Stage8	-4.65	42.348	78.208	UL-RL	0.165	10.98	275.2	27.852	0.032	0	106.059
Stage8	-5.05	48.622	81.073	UL-RL	0.165	10.98	275.2	31.978	0.032	0	113.051
Stage8	-5.45	54.896	83.776	UL-RL	0.165	10.98	275.2	36.104	0.032	0	119.88
Stage8	-5.85	61.17	86.359	UL-RL	0.165	10.98	275.2	40.23	0.032	0	126.589
Stage8	-6.25	67.444	88.861	UL-RL	0.165	10.98	275.2	44.356	0.032	0	133.218
Stage8	-6.65	73.717	91.31	UL-RL	0.165	10.98	275.2	48.483	0.032	0	139.793
Stage8	-7.05	79.991	93.721	UL-RL	0.165	10.98	275.2	52.609	0.032	0	146.33
Stage8	-7.45	86.265	96.102	UL-RL	0.165	10.98	275.2	56.735	0.032	0	152.837

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-7.85	92.539	98.456	UL-RL	0.165	10.98	275.2	60.861	0.032	0	159.318
Stage8	-8.25	98.813	100.787	UL-RL	0.165	10.98	275.2	64.987	0.032	0	165.775
Stage8	-8.65	105.086	103.097	UL-RL	0.165	10.98	275.2	69.114	0.032	0	172.21
Stage8	-9.05	111.36	105.387	UL-RL	0.165	10.98	275.2	73.24	0.032	0	178.627
Stage8	-9.45	117.634	107.659	UL-RL	0.165	10.98	275.2	77.366	0.032	0	185.025
Stage8	-9.85	123.908	109.916	UL-RL	0.165	10.98	275.2	81.492	0.032	0	191.408
Stage8	-10.25	130.182	112.16	UL-RL	0.165	10.98	275.2	85.618	0.032	0	197.778
Stage8	-10.65	136.456	114.39	UL-RL	0.165	10.98	275.2	89.744	0.032	0	204.134
Stage8	-11.05	142.729	116.609	UL-RL	0.165	10.98	275.2	93.871	0.032	0	210.48
Stage8	-11.45	149.003	118.818	UL-RL	0.165	10.98	275.2	97.997	0.032	0	216.815
Stage8	-11.85	155.277	121.018	UL-RL	0.165	10.98	275.2	102.123	0.032	0	223.142
Stage8	-12.25	161.551	123.21	UL-RL	0.165	10.98	275.2	106.249	0.032	0	229.459
Stage8	-12.65	167.825	125.394	UL-RL	0.165	10.98	275.2	110.375	0.032	0	235.769
Stage8	-13.05	174.098	127.571	UL-RL	0.165	10.98	275.2	114.502	0.032	0	242.072
Stage8	-13.45	180.372	129.741	UL-RL	0.165	10.98	275.2	118.628	0.032	0	248.369
Stage8	-13.85	186.646	131.906	UL-RL	0.165	10.98	275.2	122.754	0.032	0	254.66
Stage8	-14.25	192.92	134.065	UL-RL	0.165	10.98	275.2	126.88	0.032	0	260.945
Stage8	-14.65	199.194	136.219	UL-RL	0.165	10.98	275.2	131.006	0.032	0	267.225
Stage8	-15.05	205.467	138.369	UL-RL	0.165	10.98	275.2	135.132	0.032	0	273.501
Stage8	-15.45	211.741	140.514	UL-RL	0.165	10.98	275.2	139.259	0.032	0	279.773
Stage8	-15.85	218.015	142.656	UL-RL	0.165	10.98	275.2	143.385	0.032	0	286.04
Stage8	-16.25	224.289	144.793	UL-RL	0.165	10.98	275.2	147.511	0.032	0	292.304
Stage8	-16.65	230.563	146.927	UL-RL	0.165	10.98	275.2	151.637	0.032	0	298.564
Stage8	-17.05	236.836	149.057	UL-RL	0.165	10.98	275.2	155.763	0.032	0	304.82
Stage8	-17.3	240.758	150.386	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage8	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage8	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage8	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage8	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage8	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage8	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage8	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage8	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage8	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage8	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage8	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage8	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage8	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage8	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage8	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage8	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage8	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage8	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage8	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage8	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage8	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage8	7.55	185.976	0.591	UL-RL	0.165	10.98	275.2	0	0	0.591
Stage8	7.15	196.274	1.056	UL-RL	0.165	10.98	275.2	0	0	1.056
Stage8	6.75	206.58	1.19	UL-RL	0.165	10.98	275.2	0	0	1.19
Stage8	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage8	5.95	227.213	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.55	237.896	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.15	248.215	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.75	258.538	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.35	268.867	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.95	279.2	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.55	289.538	2.682	UL-RL	0.165	10.98	275.2	0	0	2.682
Stage8	3.15	299.879	5.118	UL-RL	0.165	10.98	275.2	0	0	5.118
Stage8	2.75	310.224	3.04	UL-RL	0.165	10.98	275.2	0	0	3.04
Stage8	2.35	320.572	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.95	330.922	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.55	341.275	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.15	351.631	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.75	362.233	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.35	372.587	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	-0.05	382.943	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.45	393.301	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-1.25	411.118	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	2.905
Stage8	-1.45	414.469	0	ACTIVE	0.165	10.98	275.2	4.842	0.032	4.842
Stage8	-1.85	420.957	14.466	UL-RL	0.165	10.98	275.2	8.716	0.032	23.182
Stage8	-2.25	427.447	31.954	UL-RL	0.165	10.98	275.2	12.59	0.032	44.543
Stage8	-2.65	433.938	46.47	UL-RL	0.165	10.98	275.2	16.464	0.032	62.934
Stage8	-3.05	440.431	56.139	UL-RL	0.165	10.98	275.2	20.338	0.032	76.476
Stage8	-3.45	446.925	61.989	UL-RL	0.165	10.98	275.2	24.211	0.032	86.201
Stage8	-3.85	453.421	65.665	UL-RL	0.165	10.98	275.2	28.085	0.032	93.75
Stage8	-4.25	459.917	68.43	UL-RL	0.165	10.98	275.2	31.959	0.032	100.389
Stage8	-4.65	466.415	70.982	UL-RL	0.165	10.98	275.2	35.833	0.032	106.815
Stage8	-5.05	472.914	73.591	UL-RL	0.165	10.98	275.2	39.707	0.032	113.298
Stage8	-5.45	479.414	76.297	UL-RL	0.165	10.98	275.2	43.58	0.032	119.877
Stage8	-5.85	485.914	79.056	UL-RL	0.165	10.98	275.2	47.454	0.032	126.51
Stage8	-6.25	492.583	81.817	UL-RL	0.165	10.98	275.2	51.328	0.032	133.145
Stage8	-6.65	499.082	84.548	UL-RL	0.165	10.98	275.2	55.202	0.032	139.75
Stage8	-7.05	505.583	87.238	UL-RL	0.165	10.98	275.2	59.076	0.032	146.314
Stage8	-7.45	512.084	89.886	UL-RL	0.165	10.98	275.2	62.95	0.032	152.836
Stage8	-7.85	518.586	92.499	UL-RL	0.165	10.98	275.2	66.823	0.032	159.322
Stage8	-8.25	525.089	95.083	UL-RL	0.165	10.98	275.2	70.697	0.032	165.78
Stage8	-8.65	531.593	97.644	UL-RL	0.165	10.98	275.2	74.571	0.032	172.215

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-9.05	538.097	100.184	UL-RL	0.165	10.98	275.2	78.445	0.032	0	178.629
Stage8	-9.45	544.602	102.708	UL-RL	0.165	10.98	275.2	82.319	0.032	0	185.027
Stage8	-9.85	551.108	105.217	UL-RL	0.165	10.98	275.2	86.192	0.032	0	191.409
Stage8	-10.25	557.614	107.712	UL-RL	0.165	10.98	275.2	90.066	0.032	0	197.778
Stage8	-10.65	564.121	110.195	UL-RL	0.165	10.98	275.2	93.94	0.032	0	204.135
Stage8	-11.05	570.766	112.666	UL-RL	0.165	10.98	275.2	97.814	0.032	0	210.48
Stage8	-11.45	577.272	115.128	UL-RL	0.165	10.98	275.2	101.688	0.032	0	216.816
Stage8	-11.85	583.778	117.58	UL-RL	0.165	10.98	275.2	105.562	0.032	0	223.142
Stage8	-12.25	590.286	120.024	UL-RL	0.165	10.98	275.2	109.435	0.032	0	229.46
Stage8	-12.65	596.793	122.46	UL-RL	0.165	10.98	275.2	113.309	0.032	0	235.77
Stage8	-13.05	603.302	124.89	UL-RL	0.165	10.98	275.2	117.183	0.032	0	242.073
Stage8	-13.45	609.81	127.312	UL-RL	0.165	10.98	275.2	121.057	0.032	0	248.369
Stage8	-13.85	616.319	129.73	UL-RL	0.165	10.98	275.2	124.931	0.032	0	254.66
Stage8	-14.25	622.829	132.141	UL-RL	0.165	10.98	275.2	128.804	0.032	0	260.945
Stage8	-14.65	629.339	134.547	UL-RL	0.165	10.98	275.2	132.678	0.032	0	267.226
Stage8	-15.05	635.849	136.949	UL-RL	0.165	10.98	275.2	136.552	0.032	0	273.501
Stage8	-15.45	642.478	139.346	UL-RL	0.165	10.98	275.2	140.426	0.032	0	279.772
Stage8	-15.85	648.987	141.74	UL-RL	0.165	10.98	275.2	144.3	0.032	0	286.039
Stage8	-16.25	655.498	144.129	UL-RL	0.165	10.98	275.2	148.173	0.032	0	292.303
Stage8	-16.65	662.008	146.517	UL-RL	0.165	10.98	275.2	152.047	0.032	0	298.564
Stage8	-17.05	668.519	148.903	UL-RL	0.165	10.98	275.2	155.921	0.032	0	304.824
Stage8	-17.3	672.63	150.394	UL-RL	0.165	10.98	275.2	158.342	0.032	0	308.736

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage9

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Stage9	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Stage9	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Stage9	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	0	3.798
Stage9	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	0	8.499
Stage9	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	0	13.14
Stage9	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	0	17.792
Stage9	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	0	22.245
Stage9	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	0	26.426
Stage9	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	0	29.664
Stage9	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	0	32.525
Stage9	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	0	34.71
Stage9	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Stage9	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	0	37.655
Stage9	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	0	40.309
Stage9	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	0	42.135
Stage9	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	0	45.518
Stage9	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	0	48.91
Stage9	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0	0.068
Stage9	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0	0.203
Stage9	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0	0.386
Stage9	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0	0.59
Stage9	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	0	1.055
Stage9	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	0	1.189
Stage9	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0	0.377
Stage9	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Stage9	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Stage9	5.15	248.215	0.005	UL-RL	0.165	10.98	275.2	0	0	0	0.005
Stage9	4.75	258.538	0.008	UL-RL	0.165	10.98	275.2	0	0	0	0.008
Stage9	4.35	268.867	0.008	UL-RL	0.165	10.98	275.2	0	0	0	0.008
Stage9	3.95	279.2	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage9	3.55	289.538	2.652	UL-RL	0.165	10.98	275.2	0	0	0	2.652
Stage9	3.15	299.879	5.035	UL-RL	0.165	10.98	275.2	0	0	0	5.035
Stage9	2.75	310.224	2.883	UL-RL	0.165	10.98	275.2	0	0	0	2.883
Stage9	2.35	320.572	0.02	UL-RL	0.165	10.98	275.2	0	0	0	0.02
Stage9	1.95	330.922	0.054	UL-RL	0.165	10.98	275.2	0	0	0	0.054
Stage9	1.55	341.275	0.1	UL-RL	0.165	10.98	275.2	0	0	0	0.1
Stage9	1.15	351.631	0.206	UL-RL	0.165	10.98	275.2	0	0	0	0.206
Stage9	0.75	362.233	0.698	UL-RL	0.165	10.98	275.2	0	0	0	0.698
Stage9	0.35	372.587	1.314	UL-RL	0.165	10.98	275.2	0	0	0	1.314
Stage9	-0.05	382.943	1.784	UL-RL	0.165	10.98	275.2	0	0	0	1.784
Stage9	-0.45	393.301	1.464	UL-RL	0.165	10.98	275.2	0	0	0	1.464
Stage9	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-1.25	414.023	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-1.45	419.311	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-1.85	429.673	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-2.25	440.037	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-2.65	447.506	6.134	UL-RL	0.165	10.98	275.2	2.896	0.035	0	9.03
Stage9	-3.05	454.011	18.249	UL-RL	0.165	10.98	275.2	6.758	0.035	0	25.006
Stage9	-3.45	460.517	34.12	UL-RL	0.165	10.98	275.2	10.619	0.035	0	44.739
Stage9	-3.85	467.025	48.184	UL-RL	0.165	10.98	275.2	14.481	0.035	0	62.665
Stage9	-4.25	473.534	58.059	UL-RL	0.165	10.98	275.2	18.343	0.035	0	76.402
Stage9	-4.65	480.044	64.33	UL-RL	0.165	10.98	275.2	22.204	0.035	0	86.534
Stage9	-5.05	486.555	68.406	UL-RL	0.165	10.98	275.2	26.066	0.035	0	94.472
Stage9	-5.45	493.067	71.476	UL-RL	0.165	10.98	275.2	29.927	0.035	0	101.403
Stage9	-5.85	499.58	74.24	UL-RL	0.165	10.98	275.2	33.789	0.035	0	108.029
Stage9	-6.25	506.26	76.997	UL-RL	0.165	10.98	275.2	37.651	0.035	0	114.647
Stage9	-6.65	512.772	79.812	UL-RL	0.165	10.98	275.2	41.512	0.035	0	121.324
Stage9	-7.05	519.285	82.662	UL-RL	0.165	10.98	275.2	45.374	0.035	0	128.035
Stage9	-7.45	525.798	85.504	UL-RL	0.165	10.98	275.2	49.235	0.035	0	134.739

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-7.85	532.313	88.311	UL-RL	0.165	10.98	275.2	53.097	0.035	0	141.408
Stage9	-8.25	538.828	91.073	UL-RL	0.165	10.98	275.2	56.958	0.035	0	148.032
Stage9	-8.65	545.344	93.791	UL-RL	0.165	10.98	275.2	60.82	0.035	0	154.611
Stage9	-9.05	551.86	96.469	UL-RL	0.165	10.98	275.2	64.682	0.035	0	161.151
Stage9	-9.45	558.378	99.116	UL-RL	0.165	10.98	275.2	68.543	0.035	0	167.659
Stage9	-9.85	564.896	101.736	UL-RL	0.165	10.98	275.2	72.405	0.035	0	174.14
Stage9	-10.25	571.414	104.333	UL-RL	0.165	10.98	275.2	76.266	0.035	0	180.6
Stage9	-10.65	577.933	106.911	UL-RL	0.165	10.98	275.2	80.128	0.035	0	187.039
Stage9	-11.05	584.59	109.472	UL-RL	0.165	10.98	275.2	83.99	0.035	0	193.461
Stage9	-11.45	591.108	112.017	UL-RL	0.165	10.98	275.2	87.851	0.035	0	199.868
Stage9	-11.85	597.627	114.548	UL-RL	0.165	10.98	275.2	91.713	0.035	0	206.261
Stage9	-12.25	604.147	117.066	UL-RL	0.165	10.98	275.2	95.574	0.035	0	212.641
Stage9	-12.65	610.666	119.573	UL-RL	0.165	10.98	275.2	99.436	0.035	0	219.009
Stage9	-13.05	617.187	122.07	UL-RL	0.165	10.98	275.2	103.298	0.035	0	225.367
Stage9	-13.45	623.708	124.556	UL-RL	0.165	10.98	275.2	107.159	0.035	0	231.715
Stage9	-13.85	630.229	127.034	UL-RL	0.165	10.98	275.2	111.021	0.035	0	238.055
Stage9	-14.25	636.751	129.504	UL-RL	0.165	10.98	275.2	114.882	0.035	0	244.386
Stage9	-14.65	643.273	131.966	UL-RL	0.165	10.98	275.2	118.744	0.035	0	250.71
Stage9	-15.05	649.796	134.421	UL-RL	0.165	10.98	275.2	122.605	0.035	0	257.027
Stage9	-15.45	656.436	136.87	UL-RL	0.165	10.98	275.2	126.467	0.035	0	263.337
Stage9	-15.85	662.958	139.313	UL-RL	0.165	10.98	275.2	130.329	0.035	0	269.642
Stage9	-16.25	669.481	141.751	UL-RL	0.165	10.98	275.2	134.19	0.035	0	275.941
Stage9	-16.65	676.004	144.185	UL-RL	0.165	10.98	275.2	138.052	0.035	0	282.237
Stage9	-17.05	682.527	146.617	UL-RL	0.165	10.98	275.2	141.913	0.035	0	288.53
Stage9	-17.3	686.646	148.137	UL-RL	0.165	10.98	275.2	144.327	0.035	0	292.464

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.45	1.565	64.052	UL-RL	0.165	10.98	275.2	1.035	0.035	0	65.086
Stage9	-3.85	7.827	67.282	UL-RL	0.165	10.98	275.2	5.173	0.035	0	72.455
Stage9	-4.25	14.089	69.243	UL-RL	0.165	10.98	275.2	9.311	0.035	0	78.554
Stage9	-4.65	20.35	71.874	UL-RL	0.165	10.98	275.2	13.45	0.035	0	85.324
Stage9	-5.05	26.612	74.997	UL-RL	0.165	10.98	275.2	17.588	0.035	0	92.585
Stage9	-5.45	32.873	78.247	UL-RL	0.165	10.98	275.2	21.727	0.035	0	99.974
Stage9	-5.85	39.135	81.395	UL-RL	0.165	10.98	275.2	25.865	0.035	0	107.26
Stage9	-6.25	45.397	84.362	UL-RL	0.165	10.98	275.2	30.003	0.035	0	114.365
Stage9	-6.65	51.658	87.155	UL-RL	0.165	10.98	275.2	34.142	0.035	0	121.297
Stage9	-7.05	57.92	89.816	UL-RL	0.165	10.98	275.2	38.28	0.035	0	128.096
Stage9	-7.45	64.181	92.384	UL-RL	0.165	10.98	275.2	42.419	0.035	0	134.803
Stage9	-7.85	70.443	94.891	UL-RL	0.165	10.98	275.2	46.557	0.035	0	141.448
Stage9	-8.25	76.705	97.352	UL-RL	0.165	10.98	275.2	50.696	0.035	0	148.048
Stage9	-8.65	82.966	99.778	UL-RL	0.165	10.98	275.2	54.834	0.035	0	154.612

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-9.05	89.228	102.174	UL-RL	0.165	10.98	275.2	58.972	0.035	0	161.147
Stage9	-9.45	95.489	104.543	UL-RL	0.165	10.98	275.2	63.111	0.035	0	167.654
Stage9	-9.85	101.751	106.887	UL-RL	0.165	10.98	275.2	67.249	0.035	0	174.136
Stage9	-10.25	108.012	109.209	UL-RL	0.165	10.98	275.2	71.388	0.035	0	180.597
Stage9	-10.65	114.274	111.512	UL-RL	0.165	10.98	275.2	75.526	0.035	0	187.038
Stage9	-11.05	120.536	113.796	UL-RL	0.165	10.98	275.2	79.664	0.035	0	193.461
Stage9	-11.45	126.797	116.065	UL-RL	0.165	10.98	275.2	83.803	0.035	0	199.868
Stage9	-11.85	133.059	118.319	UL-RL	0.165	10.98	275.2	87.941	0.035	0	206.26
Stage9	-12.25	139.32	120.561	UL-RL	0.165	10.98	275.2	92.08	0.035	0	212.64
Stage9	-12.65	145.582	122.791	UL-RL	0.165	10.98	275.2	96.218	0.035	0	219.009
Stage9	-13.05	151.844	125.01	UL-RL	0.165	10.98	275.2	100.356	0.035	0	225.367
Stage9	-13.45	158.105	127.22	UL-RL	0.165	10.98	275.2	104.495	0.035	0	231.715
Stage9	-13.85	164.367	129.421	UL-RL	0.165	10.98	275.2	108.633	0.035	0	238.054
Stage9	-14.25	170.628	131.614	UL-RL	0.165	10.98	275.2	112.772	0.035	0	244.386
Stage9	-14.65	176.89	133.8	UL-RL	0.165	10.98	275.2	116.91	0.035	0	250.71
Stage9	-15.05	183.151	135.979	UL-RL	0.165	10.98	275.2	121.048	0.035	0	257.027
Stage9	-15.45	189.413	138.151	UL-RL	0.165	10.98	275.2	125.187	0.035	0	263.338
Stage9	-15.85	195.675	140.318	UL-RL	0.165	10.98	275.2	129.325	0.035	0	269.643
Stage9	-16.25	201.936	142.48	UL-RL	0.165	10.98	275.2	133.464	0.035	0	275.943
Stage9	-16.65	208.198	144.636	UL-RL	0.165	10.98	275.2	137.602	0.035	0	282.238
Stage9	-17.05	214.459	146.786	UL-RL	0.165	10.98	275.2	141.74	0.035	0	288.526
Stage9	-17.3	218.373	148.126	UL-RL	0.165	10.98	275.2	144.327	0.035	0	292.453

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage9

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.45	1.565	64.052	UL-RL	0.165	10.98	275.2	1.035	0.035	0	65.086
Stage9	-3.85	7.827	67.282	UL-RL	0.165	10.98	275.2	5.173	0.035	0	72.455
Stage9	-4.25	14.089	69.243	UL-RL	0.165	10.98	275.2	9.311	0.035	0	78.554
Stage9	-4.65	20.35	71.874	UL-RL	0.165	10.98	275.2	13.45	0.035	0	85.324
Stage9	-5.05	26.612	74.997	UL-RL	0.165	10.98	275.2	17.588	0.035	0	92.585
Stage9	-5.45	32.873	78.247	UL-RL	0.165	10.98	275.2	21.727	0.035	0	99.974
Stage9	-5.85	39.135	81.395	UL-RL	0.165	10.98	275.2	25.865	0.035	0	107.26
Stage9	-6.25	45.397	84.362	UL-RL	0.165	10.98	275.2	30.003	0.035	0	114.365
Stage9	-6.65	51.658	87.155	UL-RL	0.165	10.98	275.2	34.142	0.035	0	121.297
Stage9	-7.05	57.92	89.816	UL-RL	0.165	10.98	275.2	38.28	0.035	0	128.096
Stage9	-7.45	64.181	92.384	UL-RL	0.165	10.98	275.2	42.419	0.035	0	134.803

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-7.85	70.443	94.891	UL-RL	0.165	10.98	275.2	46.557	0.035	0	141.448
Stage9	-8.25	76.705	97.352	UL-RL	0.165	10.98	275.2	50.696	0.035	0	148.048
Stage9	-8.65	82.966	99.778	UL-RL	0.165	10.98	275.2	54.834	0.035	0	154.612
Stage9	-9.05	89.228	102.174	UL-RL	0.165	10.98	275.2	58.972	0.035	0	161.147
Stage9	-9.45	95.489	104.543	UL-RL	0.165	10.98	275.2	63.111	0.035	0	167.654
Stage9	-9.85	101.751	106.887	UL-RL	0.165	10.98	275.2	67.249	0.035	0	174.136
Stage9	-10.25	108.012	109.209	UL-RL	0.165	10.98	275.2	71.388	0.035	0	180.597
Stage9	-10.65	114.274	111.512	UL-RL	0.165	10.98	275.2	75.526	0.035	0	187.038
Stage9	-11.05	120.536	113.796	UL-RL	0.165	10.98	275.2	79.664	0.035	0	193.461
Stage9	-11.45	126.797	116.065	UL-RL	0.165	10.98	275.2	83.803	0.035	0	199.868
Stage9	-11.85	133.059	118.319	UL-RL	0.165	10.98	275.2	87.941	0.035	0	206.26
Stage9	-12.25	139.32	120.561	UL-RL	0.165	10.98	275.2	92.08	0.035	0	212.64
Stage9	-12.65	145.582	122.791	UL-RL	0.165	10.98	275.2	96.218	0.035	0	219.009
Stage9	-13.05	151.844	125.01	UL-RL	0.165	10.98	275.2	100.356	0.035	0	225.367
Stage9	-13.45	158.105	127.22	UL-RL	0.165	10.98	275.2	104.495	0.035	0	231.715
Stage9	-13.85	164.367	129.421	UL-RL	0.165	10.98	275.2	108.633	0.035	0	238.054
Stage9	-14.25	170.628	131.614	UL-RL	0.165	10.98	275.2	112.772	0.035	0	244.386
Stage9	-14.65	176.89	133.8	UL-RL	0.165	10.98	275.2	116.91	0.035	0	250.71
Stage9	-15.05	183.151	135.979	UL-RL	0.165	10.98	275.2	121.048	0.035	0	257.027
Stage9	-15.45	189.413	138.151	UL-RL	0.165	10.98	275.2	125.187	0.035	0	263.338
Stage9	-15.85	195.675	140.318	UL-RL	0.165	10.98	275.2	129.325	0.035	0	269.643
Stage9	-16.25	201.936	142.48	UL-RL	0.165	10.98	275.2	133.464	0.035	0	275.943
Stage9	-16.65	208.198	144.636	UL-RL	0.165	10.98	275.2	137.602	0.035	0	282.238
Stage9	-17.05	214.459	146.786	UL-RL	0.165	10.98	275.2	141.74	0.035	0	288.526
Stage9	-17.3	218.373	148.126	UL-RL	0.165	10.98	275.2	144.327	0.035	0	292.453

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage9	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage9	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage9	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage9	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage9	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage9	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage9	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage9	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage9	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage9	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage9	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage9	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage9	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage9	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage9	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage9	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage9	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage9	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage9	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage9	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage9	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage9	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0.59
Stage9	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	1.055
Stage9	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	1.189
Stage9	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage9	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage9	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Stage9	5.15	248.215	0.005	UL-RL	0.165	10.98	275.2	0	0	0.005
Stage9	4.75	258.538	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Stage9	4.35	268.867	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Stage9	3.95	279.2	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage9	3.55	289.538	2.652	UL-RL	0.165	10.98	275.2	0	0	2.652
Stage9	3.15	299.879	5.035	UL-RL	0.165	10.98	275.2	0	0	5.035
Stage9	2.75	310.224	2.883	UL-RL	0.165	10.98	275.2	0	0	2.883
Stage9	2.35	320.572	0.02	UL-RL	0.165	10.98	275.2	0	0	0.02
Stage9	1.95	330.922	0.054	UL-RL	0.165	10.98	275.2	0	0	0.054
Stage9	1.55	341.275	0.1	UL-RL	0.165	10.98	275.2	0	0	0.1
Stage9	1.15	351.631	0.206	UL-RL	0.165	10.98	275.2	0	0	0.206
Stage9	0.75	362.233	0.698	UL-RL	0.165	10.98	275.2	0	0	0.698
Stage9	0.35	372.587	1.314	UL-RL	0.165	10.98	275.2	0	0	1.314
Stage9	-0.05	382.943	1.784	UL-RL	0.165	10.98	275.2	0	0	1.784
Stage9	-0.45	393.301	1.464	UL-RL	0.165	10.98	275.2	0	0	1.464
Stage9	-0.85	403.661	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.25	414.023	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.45	419.311	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.85	429.673	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-2.25	440.037	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-2.65	447.506	6.134	UL-RL	0.165	10.98	275.2	2.896	0.035	9.03
Stage9	-3.05	454.011	18.249	UL-RL	0.165	10.98	275.2	6.758	0.035	25.006
Stage9	-3.45	460.517	34.12	UL-RL	0.165	10.98	275.2	10.619	0.035	44.739
Stage9	-3.85	467.025	48.184	UL-RL	0.165	10.98	275.2	14.481	0.035	62.665
Stage9	-4.25	473.534	58.059	UL-RL	0.165	10.98	275.2	18.343	0.035	76.402
Stage9	-4.65	480.044	64.33	UL-RL	0.165	10.98	275.2	22.204	0.035	86.534
Stage9	-5.05	486.555	68.406	UL-RL	0.165	10.98	275.2	26.066	0.035	94.472
Stage9	-5.45	493.067	71.476	UL-RL	0.165	10.98	275.2	29.927	0.035	101.403
Stage9	-5.85	499.58	74.24	UL-RL	0.165	10.98	275.2	33.789	0.035	108.029
Stage9	-6.25	506.26	76.997	UL-RL	0.165	10.98	275.2	37.651	0.035	114.647
Stage9	-6.65	512.772	79.812	UL-RL	0.165	10.98	275.2	41.512	0.035	121.324
Stage9	-7.05	519.285	82.662	UL-RL	0.165	10.98	275.2	45.374	0.035	128.035
Stage9	-7.45	525.798	85.504	UL-RL	0.165	10.98	275.2	49.235	0.035	134.739
Stage9	-7.85	532.313	88.311	UL-RL	0.165	10.98	275.2	53.097	0.035	141.408
Stage9	-8.25	538.828	91.073	UL-RL	0.165	10.98	275.2	56.958	0.035	148.032
Stage9	-8.65	545.344	93.791	UL-RL	0.165	10.98	275.2	60.82	0.035	154.611

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-9.05	551.86	96.469	UL-RL	0.165	10.98	275.2	64.682	0.035	0	161.151
Stage9	-9.45	558.378	99.116	UL-RL	0.165	10.98	275.2	68.543	0.035	0	167.659
Stage9	-9.85	564.896	101.736	UL-RL	0.165	10.98	275.2	72.405	0.035	0	174.14
Stage9	-10.25	571.414	104.333	UL-RL	0.165	10.98	275.2	76.266	0.035	0	180.6
Stage9	-10.65	577.933	106.911	UL-RL	0.165	10.98	275.2	80.128	0.035	0	187.039
Stage9	-11.05	584.59	109.472	UL-RL	0.165	10.98	275.2	83.99	0.035	0	193.461
Stage9	-11.45	591.108	112.017	UL-RL	0.165	10.98	275.2	87.851	0.035	0	199.868
Stage9	-11.85	597.627	114.548	UL-RL	0.165	10.98	275.2	91.713	0.035	0	206.261
Stage9	-12.25	604.147	117.066	UL-RL	0.165	10.98	275.2	95.574	0.035	0	212.641
Stage9	-12.65	610.666	119.573	UL-RL	0.165	10.98	275.2	99.436	0.035	0	219.009
Stage9	-13.05	617.187	122.07	UL-RL	0.165	10.98	275.2	103.298	0.035	0	225.367
Stage9	-13.45	623.708	124.556	UL-RL	0.165	10.98	275.2	107.159	0.035	0	231.715
Stage9	-13.85	630.229	127.034	UL-RL	0.165	10.98	275.2	111.021	0.035	0	238.055
Stage9	-14.25	636.751	129.504	UL-RL	0.165	10.98	275.2	114.882	0.035	0	244.386
Stage9	-14.65	643.273	131.966	UL-RL	0.165	10.98	275.2	118.744	0.035	0	250.71
Stage9	-15.05	649.796	134.421	UL-RL	0.165	10.98	275.2	122.605	0.035	0	257.027
Stage9	-15.45	656.436	136.87	UL-RL	0.165	10.98	275.2	126.467	0.035	0	263.337
Stage9	-15.85	662.958	139.313	UL-RL	0.165	10.98	275.2	130.329	0.035	0	269.642
Stage9	-16.25	669.481	141.751	UL-RL	0.165	10.98	275.2	134.19	0.035	0	275.941
Stage9	-16.65	676.004	144.185	UL-RL	0.165	10.98	275.2	138.052	0.035	0	282.237
Stage9	-17.05	682.527	146.617	UL-RL	0.165	10.98	275.2	141.913	0.035	0	288.53
Stage9	-17.3	686.646	148.137	UL-RL	0.165	10.98	275.2	144.327	0.035	0	292.464

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage10

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Stage10	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Stage10	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Stage10	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	0	3.798
Stage10	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	0	8.499
Stage10	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	0	13.14
Stage10	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	0	17.792
Stage10	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	0	22.245
Stage10	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	0	26.426
Stage10	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	0	29.664
Stage10	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	0	32.525
Stage10	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	0	34.71
Stage10	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Stage10	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	0	37.655
Stage10	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	0	40.309
Stage10	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	0	42.135
Stage10	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	0	45.518
Stage10	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	0	48.91
Stage10	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0	0.068
Stage10	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0	0.203
Stage10	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0	0.386
Stage10	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0	0.59
Stage10	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	0	1.055
Stage10	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	0	1.189
Stage10	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0	0.377
Stage10	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Stage10	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Stage10	5.15	248.215	0.006	UL-RL	0.165	10.98	275.2	0	0	0	0.006
Stage10	4.75	258.538	0.01	UL-RL	0.165	10.98	275.2	0	0	0	0.01
Stage10	4.35	268.867	0.01	UL-RL	0.165	10.98	275.2	0	0	0	0.01
Stage10	3.95	279.2	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Stage10	3.55	289.538	2.653	UL-RL	0.165	10.98	275.2	0	0	0	2.653
Stage10	3.15	299.879	5.032	UL-RL	0.165	10.98	275.2	0	0	0	5.032
Stage10	2.75	310.224	2.868	UL-RL	0.165	10.98	275.2	0	0	0	2.868
Stage10	2.35	320.572	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	1.95	330.922	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	1.55	341.275	0.031	UL-RL	0.165	10.98	275.2	0	0	0	0.031
Stage10	1.15	351.631	0.154	UL-RL	0.165	10.98	275.2	0	0	0	0.154
Stage10	0.75	362.233	0.738	UL-RL	0.165	10.98	275.2	0	0	0	0.738
Stage10	0.35	372.587	1.577	UL-RL	0.165	10.98	275.2	0	0	0	1.577
Stage10	-0.05	382.943	2.436	UL-RL	0.165	10.98	275.2	0	0	0	2.436
Stage10	-0.45	393.301	2.625	UL-RL	0.165	10.98	275.2	0	0	0	2.625
Stage10	-0.85	403.661	1.55	UL-RL	0.165	10.98	275.2	0	0	0	1.55
Stage10	-1.25	414.023	1.249	UL-RL	0.165	10.98	275.2	0	0	0	1.249
Stage10	-1.45	419.311	0.551	UL-RL	0.165	10.98	275.2	0	0	0	0.551
Stage10	-1.85	429.673	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-2.25	440.037	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-2.65	450.402	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-3.05	460.769	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-3.45	471.137	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-3.85	481.506	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-4.25	491.876	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-4.65	502.248	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-5.05	512.62	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-5.45	522.994	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-5.85	533.369	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-6.25	543.911	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-6.65	554.284	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-7.05	564.658	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-7.45	574.087	0	ACTIVE	0.165	10.98	275.2	0.947	0.053	0	0.947

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-7.85	580.674	1.965	UL-RL	0.165	10.98	275.2	4.735	0.053	0	6.7
Stage10	-8.25	587.263	25.783	UL-RL	0.165	10.98	275.2	8.524	0.053	0	34.307
Stage10	-8.65	593.852	51.632	UL-RL	0.165	10.98	275.2	12.312	0.053	0	63.945
Stage10	-9.05	600.442	71.409	UL-RL	0.165	10.98	275.2	16.101	0.053	0	87.509
Stage10	-9.45	607.032	83.224	UL-RL	0.165	10.98	275.2	19.889	0.053	0	103.113
Stage10	-9.85	613.623	89.469	UL-RL	0.165	10.98	275.2	23.677	0.053	0	113.146
Stage10	-10.25	620.215	92.958	UL-RL	0.165	10.98	275.2	27.466	0.053	0	120.423
Stage10	-10.65	626.807	95.559	UL-RL	0.165	10.98	275.2	31.254	0.053	0	126.812
Stage10	-11.05	633.537	98.139	UL-RL	0.165	10.98	275.2	35.042	0.053	0	133.181
Stage10	-11.45	640.129	100.933	UL-RL	0.165	10.98	275.2	38.831	0.053	0	139.764
Stage10	-11.85	646.721	103.898	UL-RL	0.165	10.98	275.2	42.619	0.053	0	146.517
Stage10	-12.25	653.314	106.929	UL-RL	0.165	10.98	275.2	46.407	0.053	0	153.337
Stage10	-12.65	659.907	109.948	UL-RL	0.165	10.98	275.2	50.196	0.053	0	160.144
Stage10	-13.05	666.5	112.918	UL-RL	0.165	10.98	275.2	53.984	0.053	0	166.902
Stage10	-13.45	673.094	115.83	UL-RL	0.165	10.98	275.2	57.772	0.053	0	173.603
Stage10	-13.85	679.689	118.694	UL-RL	0.165	10.98	275.2	61.561	0.053	0	180.254
Stage10	-14.25	686.284	121.516	UL-RL	0.165	10.98	275.2	65.349	0.053	0	186.866
Stage10	-14.65	692.879	124.307	UL-RL	0.165	10.98	275.2	69.137	0.053	0	193.444
Stage10	-15.05	699.475	127.071	UL-RL	0.165	10.98	275.2	72.926	0.053	0	199.997
Stage10	-15.45	706.189	129.812	UL-RL	0.165	10.98	275.2	76.714	0.053	0	206.527
Stage10	-15.85	712.784	132.534	UL-RL	0.165	10.98	275.2	80.503	0.053	0	213.036
Stage10	-16.25	719.38	135.237	UL-RL	0.165	10.98	275.2	84.291	0.053	0	219.528
Stage10	-16.65	725.976	137.928	UL-RL	0.165	10.98	275.2	88.079	0.053	0	226.007
Stage10	-17.05	732.572	140.61	UL-RL	0.165	10.98	275.2	91.868	0.053	0	232.478
Stage10	-17.3	736.737	142.286	UL-RL	0.165	10.98	275.2	94.235	0.053	0	236.522

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.65	4.641	98.476	UL-RL	0.165	10.98	275.2	3.159	0.053	0	101.635

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-9.05	10.83	92.966	UL-RL	0.165	10.98	275.2	7.37	0.053	0	100.336
Stage10	-9.45	17.018	91.52	UL-RL	0.165	10.98	275.2	11.582	0.053	0	103.102
Stage10	-9.85	23.206	93.364	UL-RL	0.165	10.98	275.2	15.794	0.053	0	109.158
Stage10	-10.25	29.395	96.745	UL-RL	0.165	10.98	275.2	20.005	0.053	0	116.751
Stage10	-10.65	35.583	100.437	UL-RL	0.165	10.98	275.2	24.217	0.053	0	124.654
Stage10	-11.05	41.771	103.888	UL-RL	0.165	10.98	275.2	28.429	0.053	0	132.317
Stage10	-11.45	47.96	106.984	UL-RL	0.165	10.98	275.2	32.64	0.053	0	139.624
Stage10	-11.85	54.148	109.796	UL-RL	0.165	10.98	275.2	36.852	0.053	0	146.648
Stage10	-12.25	60.337	112.432	UL-RL	0.165	10.98	275.2	41.063	0.053	0	153.496
Stage10	-12.65	66.525	114.972	UL-RL	0.165	10.98	275.2	45.275	0.053	0	160.247
Stage10	-13.05	72.713	117.459	UL-RL	0.165	10.98	275.2	49.487	0.053	0	166.946
Stage10	-13.45	78.902	119.912	UL-RL	0.165	10.98	275.2	53.698	0.053	0	173.611
Stage10	-13.85	85.09	122.337	UL-RL	0.165	10.98	275.2	57.91	0.053	0	180.247
Stage10	-14.25	91.278	124.734	UL-RL	0.165	10.98	275.2	62.122	0.053	0	186.856
Stage10	-14.65	97.467	127.104	UL-RL	0.165	10.98	275.2	66.333	0.053	0	193.437
Stage10	-15.05	103.655	129.449	UL-RL	0.165	10.98	275.2	70.545	0.053	0	199.994
Stage10	-15.45	109.843	131.771	UL-RL	0.165	10.98	275.2	74.757	0.053	0	206.528
Stage10	-15.85	116.032	134.072	UL-RL	0.165	10.98	275.2	78.968	0.053	0	213.041
Stage10	-16.25	122.22	136.355	UL-RL	0.165	10.98	275.2	83.18	0.053	0	219.534
Stage10	-16.65	128.408	138.618	UL-RL	0.165	10.98	275.2	87.391	0.053	0	226.009
Stage10	-17.05	134.597	140.861	UL-RL	0.165	10.98	275.2	91.603	0.053	0	232.464
Stage10	-17.3	138.465	142.252	UL-RL	0.165	10.98	275.2	94.235	0.053	0	236.487

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage10

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-8.65	4.641	98.476	UL-RL	0.165	10.98	275.2	3.159	0.053	0	101.635
Stage10	-9.05	10.83	92.966	UL-RL	0.165	10.98	275.2	7.37	0.053	0	100.336
Stage10	-9.45	17.018	91.52	UL-RL	0.165	10.98	275.2	11.582	0.053	0	103.102
Stage10	-9.85	23.206	93.364	UL-RL	0.165	10.98	275.2	15.794	0.053	0	109.158
Stage10	-10.25	29.395	96.745	UL-RL	0.165	10.98	275.2	20.005	0.053	0	116.751
Stage10	-10.65	35.583	100.437	UL-RL	0.165	10.98	275.2	24.217	0.053	0	124.654
Stage10	-11.05	41.771	103.888	UL-RL	0.165	10.98	275.2	28.429	0.053	0	132.317
Stage10	-11.45	47.96	106.984	UL-RL	0.165	10.98	275.2	32.64	0.053	0	139.624
Stage10	-11.85	54.148	109.796	UL-RL	0.165	10.98	275.2	36.852	0.053	0	146.648
Stage10	-12.25	60.337	112.432	UL-RL	0.165	10.98	275.2	41.063	0.053	0	153.496
Stage10	-12.65	66.525	114.972	UL-RL	0.165	10.98	275.2	45.275	0.053	0	160.247
Stage10	-13.05	72.713	117.459	UL-RL	0.165	10.98	275.2	49.487	0.053	0	166.946
Stage10	-13.45	78.902	119.912	UL-RL	0.165	10.98	275.2	53.698	0.053	0	173.611
Stage10	-13.85	85.09	122.337	UL-RL	0.165	10.98	275.2	57.91	0.053	0	180.247
Stage10	-14.25	91.278	124.734	UL-RL	0.165	10.98	275.2	62.122	0.053	0	186.856
Stage10	-14.65	97.467	127.104	UL-RL	0.165	10.98	275.2	66.333	0.053	0	193.437
Stage10	-15.05	103.655	129.449	UL-RL	0.165	10.98	275.2	70.545	0.053	0	199.994
Stage10	-15.45	109.843	131.771	UL-RL	0.165	10.98	275.2	74.757	0.053	0	206.528
Stage10	-15.85	116.032	134.072	UL-RL	0.165	10.98	275.2	78.968	0.053	0	213.041
Stage10	-16.25	122.22	136.355	UL-RL	0.165	10.98	275.2	83.18	0.053	0	219.534
Stage10	-16.65	128.408	138.618	UL-RL	0.165	10.98	275.2	87.391	0.053	0	226.009
Stage10	-17.05	134.597	140.861	UL-RL	0.165	10.98	275.2	91.603	0.053	0	232.464
Stage10	-17.3	138.465	142.252	UL-RL	0.165	10.98	275.2	94.235	0.053	0	236.487

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT			
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage10	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Stage10	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Stage10	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Stage10	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Stage10	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Stage10	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Stage10	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Stage10	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Stage10	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Stage10	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Stage10	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Stage10	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Stage10	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Stage10	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Stage10	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Stage10	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Stage10	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Stage10	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Stage10	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Stage10	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Stage10	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Stage10	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0.59
Stage10	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	1.055
Stage10	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	1.189
Stage10	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Stage10	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage10	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Stage10	5.15	248.215	0.006	UL-RL	0.165	10.98	275.2	0	0	0.006
Stage10	4.75	258.538	0.01	UL-RL	0.165	10.98	275.2	0	0	0.01
Stage10	4.35	268.867	0.01	UL-RL	0.165	10.98	275.2	0	0	0.01
Stage10	3.95	279.2	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Stage10	3.55	289.538	2.653	UL-RL	0.165	10.98	275.2	0	0	2.653
Stage10	3.15	299.879	5.032	UL-RL	0.165	10.98	275.2	0	0	5.032
Stage10	2.75	310.224	2.868	UL-RL	0.165	10.98	275.2	0	0	2.868
Stage10	2.35	320.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	1.95	330.922	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	1.55	341.275	0.031	UL-RL	0.165	10.98	275.2	0	0	0.031
Stage10	1.15	351.631	0.154	UL-RL	0.165	10.98	275.2	0	0	0.154
Stage10	0.75	362.233	0.738	UL-RL	0.165	10.98	275.2	0	0	0.738
Stage10	0.35	372.587	1.577	UL-RL	0.165	10.98	275.2	0	0	1.577
Stage10	-0.05	382.943	2.436	UL-RL	0.165	10.98	275.2	0	0	2.436
Stage10	-0.45	393.301	2.625	UL-RL	0.165	10.98	275.2	0	0	2.625
Stage10	-0.85	403.661	1.55	UL-RL	0.165	10.98	275.2	0	0	1.55
Stage10	-1.25	414.023	1.249	UL-RL	0.165	10.98	275.2	0	0	1.249
Stage10	-1.45	419.311	0.551	UL-RL	0.165	10.98	275.2	0	0	0.551
Stage10	-1.85	429.673	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-2.25	440.037	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-2.65	450.402	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.05	460.769	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.45	471.137	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.85	481.506	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-4.25	491.876	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-4.65	502.248	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-5.05	512.62	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-5.45	522.994	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-5.85	533.369	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-6.25	543.911	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-6.65	554.284	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-7.05	564.658	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-7.45	574.087	0	ACTIVE	0.165	10.98	275.2	0.947	0.053	0.947
Stage10	-7.85	580.674	1.965	UL-RL	0.165	10.98	275.2	4.735	0.053	6.7
Stage10	-8.25	587.263	25.783	UL-RL	0.165	10.98	275.2	8.524	0.053	34.307
Stage10	-8.65	593.852	51.632	UL-RL	0.165	10.98	275.2	12.312	0.053	63.945

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-9.05	600.442	71.409	UL-RL	0.165	10.98	275.2	16.101	0.053	0	87.509
Stage10	-9.45	607.032	83.224	UL-RL	0.165	10.98	275.2	19.889	0.053	0	103.113
Stage10	-9.85	613.623	89.469	UL-RL	0.165	10.98	275.2	23.677	0.053	0	113.146
Stage10	-10.25	620.215	92.958	UL-RL	0.165	10.98	275.2	27.466	0.053	0	120.423
Stage10	-10.65	626.807	95.559	UL-RL	0.165	10.98	275.2	31.254	0.053	0	126.812
Stage10	-11.05	633.537	98.139	UL-RL	0.165	10.98	275.2	35.042	0.053	0	133.181
Stage10	-11.45	640.129	100.933	UL-RL	0.165	10.98	275.2	38.831	0.053	0	139.764
Stage10	-11.85	646.721	103.898	UL-RL	0.165	10.98	275.2	42.619	0.053	0	146.517
Stage10	-12.25	653.314	106.929	UL-RL	0.165	10.98	275.2	46.407	0.053	0	153.337
Stage10	-12.65	659.907	109.948	UL-RL	0.165	10.98	275.2	50.196	0.053	0	160.144
Stage10	-13.05	666.5	112.918	UL-RL	0.165	10.98	275.2	53.984	0.053	0	166.902
Stage10	-13.45	673.094	115.83	UL-RL	0.165	10.98	275.2	57.772	0.053	0	173.603
Stage10	-13.85	679.689	118.694	UL-RL	0.165	10.98	275.2	61.561	0.053	0	180.254
Stage10	-14.25	686.284	121.516	UL-RL	0.165	10.98	275.2	65.349	0.053	0	186.866
Stage10	-14.65	692.879	124.307	UL-RL	0.165	10.98	275.2	69.137	0.053	0	193.444
Stage10	-15.05	699.475	127.071	UL-RL	0.165	10.98	275.2	72.926	0.053	0	199.997
Stage10	-15.45	706.189	129.812	UL-RL	0.165	10.98	275.2	76.714	0.053	0	206.527
Stage10	-15.85	712.784	132.534	UL-RL	0.165	10.98	275.2	80.503	0.053	0	213.036
Stage10	-16.25	719.38	135.237	UL-RL	0.165	10.98	275.2	84.291	0.053	0	219.528
Stage10	-16.65	725.976	137.928	UL-RL	0.165	10.98	275.2	88.079	0.053	0	226.007
Stage10	-17.05	732.572	140.61	UL-RL	0.165	10.98	275.2	91.868	0.053	0	232.478
Stage10	-17.3	736.737	142.286	UL-RL	0.165	10.98	275.2	94.235	0.053	0	236.522

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Scavo NORM.

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	0	15.475
Scavo NORM.	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	0	3.758
Scavo NORM.	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0	0.872
Scavo NORM.	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	0	3.798
Scavo NORM.	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	0	8.499
Scavo NORM.	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	0	13.14
Scavo NORM.	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	0	17.792
Scavo NORM.	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	0	22.245
Scavo NORM.	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	0	26.426
Scavo NORM.	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	0	29.664
Scavo NORM.	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	0	32.525
Scavo NORM.	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	0	34.71
Scavo NORM.	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	0	35.837
Scavo NORM.	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	0	37.655
Scavo NORM.	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	0	40.309
Scavo NORM.	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	0	42.135
Scavo NORM.	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	0	45.518
Scavo NORM.	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	0	48.91
Scavo NORM.	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0	0.068
Scavo NORM.	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0	0.203
Scavo NORM.	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0	0.386
Scavo NORM.	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0	0.59
Scavo NORM.	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	0	1.055
Scavo NORM.	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	0	1.189
Scavo NORM.	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0	0.377
Scavo NORM.	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Scavo NORM.	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Scavo NORM.	5.15	248.215	0.006	UL-RL	0.165	10.98	275.2	0	0	0	0.006
Scavo NORM.	4.75	258.538	0.01	UL-RL	0.165	10.98	275.2	0	0	0	0.01
Scavo NORM.	4.35	268.867	0.01	UL-RL	0.165	10.98	275.2	0	0	0	0.01
Scavo NORM.	3.95	279.2	0.003	UL-RL	0.165	10.98	275.2	0	0	0	0.003
Scavo NORM.	3.55	289.538	2.653	UL-RL	0.165	10.98	275.2	0	0	0	2.653
Scavo NORM.	3.15	299.879	5.031	UL-RL	0.165	10.98	275.2	0	0	0	5.031
Scavo NORM.	2.75	310.224	2.868	UL-RL	0.165	10.98	275.2	0	0	0	2.868
Scavo NORM.	2.35	320.572	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	1.95	330.922	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	1.55	341.275	0.031	UL-RL	0.165	10.98	275.2	0	0	0	0.031
Scavo NORM.	1.15	351.631	0.155	UL-RL	0.165	10.98	275.2	0	0	0	0.155
Scavo NORM.	0.75	362.233	0.74	UL-RL	0.165	10.98	275.2	0	0	0	0.74
Scavo NORM.	0.35	372.587	1.58	UL-RL	0.165	10.98	275.2	0	0	0	1.58
Scavo NORM.	-0.05	382.943	2.441	UL-RL	0.165	10.98	275.2	0	0	0	2.441
Scavo NORM.	-0.45	393.301	2.629	UL-RL	0.165	10.98	275.2	0	0	0	2.629
Scavo NORM.	-0.85	403.661	1.548	UL-RL	0.165	10.98	275.2	0	0	0	1.548
Scavo NORM.	-1.25	414.023	1.232	UL-RL	0.165	10.98	275.2	0	0	0	1.232
Scavo NORM.	-1.45	419.311	0.522	UL-RL	0.165	10.98	275.2	0	0	0	0.522
Scavo NORM.	-1.85	429.673	0.009	UL-RL	0.165	10.98	275.2	0	0	0	0.009
Scavo NORM.	-2.25	440.037	0.027	UL-RL	0.165	10.98	275.2	0	0	0	0.027
Scavo NORM.	-2.65	450.402	0.054	UL-RL	0.165	10.98	275.2	0	0	0	0.054
Scavo NORM.	-3.05	460.769	0.094	UL-RL	0.165	10.98	275.2	0	0	0	0.094
Scavo NORM.	-3.45	471.137	0.128	UL-RL	0.165	10.98	275.2	0	0	0	0.128
Scavo NORM.	-3.85	481.506	0.097	UL-RL	0.165	10.98	275.2	0	0	0	0.097
Scavo NORM.	-4.25	491.876	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-4.65	502.248	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-5.05	512.62	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-5.45	522.994	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-5.85	533.369	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-6.25	543.911	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-6.65	554.284	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-7.05	564.658	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-7.45	575.034	0	ACTIVE	0.165	10.98	275.2	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-7.85	585.41	0	ACTIVE	0.165	10.98	275.2	0	0.056	0	0
Scavo NORM.	-8.25	592.01	3.1	UL-RL	0.165	10.98	275.2	3.777	0.056	0	6.877
Scavo NORM.	-8.65	598.611	26.885	UL-RL	0.165	10.98	275.2	7.553	0.056	0	34.438
Scavo NORM.	-9.05	605.213	52.688	UL-RL	0.165	10.98	275.2	11.33	0.056	0	64.017
Scavo NORM.	-9.45	611.815	72.492	UL-RL	0.165	10.98	275.2	15.106	0.056	0	87.598
Scavo NORM.	-9.85	618.418	84.383	UL-RL	0.165	10.98	275.2	18.883	0.056	0	103.266
Scavo NORM.	-10.25	625.022	90.716	UL-RL	0.165	10.98	275.2	22.659	0.056	0	113.376
Scavo NORM.	-10.65	631.626	94.289	UL-RL	0.165	10.98	275.2	26.436	0.056	0	120.725
Scavo NORM.	-11.05	638.367	96.965	UL-RL	0.165	10.98	275.2	30.212	0.056	0	127.178
Scavo NORM.	-11.45	644.971	99.612	UL-RL	0.165	10.98	275.2	33.989	0.056	0	133.601
Scavo NORM.	-11.85	651.575	102.462	UL-RL	0.165	10.98	275.2	37.765	0.056	0	140.228
Scavo NORM.	-12.25	658.179	105.476	UL-RL	0.165	10.98	275.2	41.542	0.056	0	147.018
Scavo NORM.	-12.65	664.784	108.549	UL-RL	0.165	10.98	275.2	45.318	0.056	0	153.867
Scavo NORM.	-13.05	671.39	111.605	UL-RL	0.165	10.98	275.2	49.095	0.056	0	160.7
Scavo NORM.	-13.45	677.996	114.608	UL-RL	0.165	10.98	275.2	52.872	0.056	0	167.48
Scavo NORM.	-13.85	684.602	117.553	UL-RL	0.165	10.98	275.2	56.648	0.056	0	174.201
Scavo NORM.	-14.25	691.209	120.446	UL-RL	0.165	10.98	275.2	60.425	0.056	0	180.87
Scavo NORM.	-14.65	697.816	123.297	UL-RL	0.165	10.98	275.2	64.201	0.056	0	187.498
Scavo NORM.	-15.05	704.424	126.116	UL-RL	0.165	10.98	275.2	67.978	0.056	0	194.093
Scavo NORM.	-15.45	711.149	128.906	UL-RL	0.165	10.98	275.2	71.754	0.056	0	200.66
Scavo NORM.	-15.85	717.756	131.673	UL-RL	0.165	10.98	275.2	75.531	0.056	0	207.204
Scavo NORM.	-16.25	724.364	134.42	UL-RL	0.165	10.98	275.2	79.307	0.056	0	213.727
Scavo NORM.	-16.65	730.972	137.152	UL-RL	0.165	10.98	275.2	83.084	0.056	0	220.236
Scavo NORM.	-17.05	737.58	139.875	UL-RL	0.165	10.98	275.2	86.86	0.056	0	226.735
Scavo NORM.	-17.3	741.752	141.576	UL-RL	0.165	10.98	275.2	89.221	0.056	0	230.797

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno		Muro:		LEFT	Lato		RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.65	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-9.05	3.088	99.024	UL-RL	0.165	10.98	275.2	2.112	0.056	0	101.136
Scavo NORM.	-9.45	9.265	94.16	UL-RL	0.165	10.98	275.2	6.335	0.056	0	100.495
Scavo NORM.	-9.85	15.441	92.776	UL-RL	0.165	10.98	275.2	10.559	0.056	0	103.334
Scavo NORM.	-10.25	21.618	94.639	UL-RL	0.165	10.98	275.2	14.782	0.056	0	109.421
Scavo NORM.	-10.65	27.794	98.057	UL-RL	0.165	10.98	275.2	19.006	0.056	0	117.062
Scavo NORM.	-11.05	33.971	101.794	UL-RL	0.165	10.98	275.2	23.229	0.056	0	125.024
Scavo NORM.	-11.45	40.147	105.287	UL-RL	0.165	10.98	275.2	27.453	0.056	0	132.739
Scavo NORM.	-11.85	46.324	108.414	UL-RL	0.165	10.98	275.2	31.676	0.056	0	140.09
Scavo NORM.	-12.25	52.501	111.249	UL-RL	0.165	10.98	275.2	35.899	0.056	0	147.149
Scavo NORM.	-12.65	58.677	113.902	UL-RL	0.165	10.98	275.2	40.123	0.056	0	154.025
Scavo NORM.	-13.05	64.854	116.455	UL-RL	0.165	10.98	275.2	44.346	0.056	0	160.801
Scavo NORM.	-13.45	71.03	118.952	UL-RL	0.165	10.98	275.2	48.57	0.056	0	167.522
Scavo NORM.	-13.85	77.207	121.414	UL-RL	0.165	10.98	275.2	52.793	0.056	0	174.207
Scavo NORM.	-14.25	83.383	123.846	UL-RL	0.165	10.98	275.2	57.017	0.056	0	180.862
Scavo NORM.	-14.65	89.56	126.248	UL-RL	0.165	10.98	275.2	61.24	0.056	0	187.488
Scavo NORM.	-15.05	95.736	128.623	UL-RL	0.165	10.98	275.2	65.464	0.056	0	194.087
Scavo NORM.	-15.45	101.913	130.972	UL-RL	0.165	10.98	275.2	69.687	0.056	0	200.659
Scavo NORM.	-15.85	108.089	133.297	UL-RL	0.165	10.98	275.2	73.911	0.056	0	207.208
Scavo NORM.	-16.25	114.266	135.6	UL-RL	0.165	10.98	275.2	78.134	0.056	0	213.734
Scavo NORM.	-16.65	120.442	137.881	UL-RL	0.165	10.98	275.2	82.357	0.056	0	220.238
Scavo NORM.	-17.05	126.619	140.138	UL-RL	0.165	10.98	275.2	86.581	0.056	0	226.719
Scavo NORM.	-17.3	130.479	141.537	UL-RL	0.165	10.98	275.2	89.221	0.056	0	230.758

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Scavo NORM.

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-7.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-9.05	3.088	99.024	UL-RL	0.165	10.98	275.2	2.112	0.056	0	101.136
Scavo NORM.	-9.45	9.265	94.16	UL-RL	0.165	10.98	275.2	6.335	0.056	0	100.495
Scavo NORM.	-9.85	15.441	92.776	UL-RL	0.165	10.98	275.2	10.559	0.056	0	103.334
Scavo NORM.	-10.25	21.618	94.639	UL-RL	0.165	10.98	275.2	14.782	0.056	0	109.421
Scavo NORM.	-10.65	27.794	98.057	UL-RL	0.165	10.98	275.2	19.006	0.056	0	117.062
Scavo NORM.	-11.05	33.971	101.794	UL-RL	0.165	10.98	275.2	23.229	0.056	0	125.024
Scavo NORM.	-11.45	40.147	105.287	UL-RL	0.165	10.98	275.2	27.453	0.056	0	132.739
Scavo NORM.	-11.85	46.324	108.414	UL-RL	0.165	10.98	275.2	31.676	0.056	0	140.09
Scavo NORM.	-12.25	52.501	111.249	UL-RL	0.165	10.98	275.2	35.899	0.056	0	147.149
Scavo NORM.	-12.65	58.677	113.902	UL-RL	0.165	10.98	275.2	40.123	0.056	0	154.025
Scavo NORM.	-13.05	64.854	116.455	UL-RL	0.165	10.98	275.2	44.346	0.056	0	160.801
Scavo NORM.	-13.45	71.03	118.952	UL-RL	0.165	10.98	275.2	48.57	0.056	0	167.522
Scavo NORM.	-13.85	77.207	121.414	UL-RL	0.165	10.98	275.2	52.793	0.056	0	174.207
Scavo NORM.	-14.25	83.383	123.846	UL-RL	0.165	10.98	275.2	57.017	0.056	0	180.862
Scavo NORM.	-14.65	89.56	126.248	UL-RL	0.165	10.98	275.2	61.24	0.056	0	187.488
Scavo NORM.	-15.05	95.736	128.623	UL-RL	0.165	10.98	275.2	65.464	0.056	0	194.087
Scavo NORM.	-15.45	101.913	130.972	UL-RL	0.165	10.98	275.2	69.687	0.056	0	200.659
Scavo NORM.	-15.85	108.089	133.297	UL-RL	0.165	10.98	275.2	73.911	0.056	0	207.208
Scavo NORM.	-16.25	114.266	135.6	UL-RL	0.165	10.98	275.2	78.134	0.056	0	213.734
Scavo NORM.	-16.65	120.442	137.881	UL-RL	0.165	10.98	275.2	82.357	0.056	0	220.238
Scavo NORM.	-17.05	126.619	140.138	UL-RL	0.165	10.98	275.2	86.581	0.056	0	226.719
Scavo NORM.	-17.3	130.479	141.537	UL-RL	0.165	10.98	275.2	89.221	0.056	0	230.758

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Scavo NORM.	15.7	0	15.475	UL-RL	0.433	2.529	11.2	0	0	15.475
Scavo NORM.	15.35	17.456	3.758	UL-RL	0.433	2.529	11.2	0	0	3.758
Scavo NORM.	14.95	29.031	0.872	UL-RL	0.433	2.529	11.2	0	0	0.872
Scavo NORM.	14.55	38.71	3.798	UL-RL	0.433	2.529	11.2	0	0	3.798
Scavo NORM.	14.15	47.458	8.499	UL-RL	0.433	2.529	11.2	0	0	8.499
Scavo NORM.	13.75	56.076	13.14	UL-RL	0.433	2.529	11.2	0	0	13.14
Scavo NORM.	13.35	64.812	17.792	UL-RL	0.433	2.529	11.2	0	0	17.792
Scavo NORM.	12.95	73.334	22.245	UL-RL	0.433	2.529	11.2	0	0	22.245
Scavo NORM.	12.55	81.714	26.426	UL-RL	0.433	2.529	11.2	0	0	26.426
Scavo NORM.	12.15	88.736	29.664	UL-RL	0.433	2.529	11.2	0	0	29.664
Scavo NORM.	11.75	96.155	32.525	UL-RL	0.433	2.529	11.2	0	0	32.525
Scavo NORM.	11.35	103.84	34.71	UL-RL	0.433	2.529	11.2	0	0	34.71
Scavo NORM.	10.95	111.571	35.837	UL-RL	0.433	2.529	11.2	0	0	35.837
Scavo NORM.	10.55	119.338	37.655	UL-RL	0.433	2.529	11.2	0	0	37.655
Scavo NORM.	10.15	127.134	40.309	UL-RL	0.433	2.529	11.2	0	0	40.309
Scavo NORM.	9.95	131.351	42.135	UL-RL	0.433	2.529	11.2	0	0	42.135
Scavo NORM.	9.55	139.164	45.518	UL-RL	0.433	2.529	11.2	0	0	45.518
Scavo NORM.	9.15	146.996	48.91	UL-RL	0.433	2.529	11.2	0	0	48.91
Scavo NORM.	8.75	155.146	0.068	UL-RL	0.165	10.98	275.2	0	0	0.068
Scavo NORM.	8.35	165.411	0.203	UL-RL	0.165	10.98	275.2	0	0	0.203
Scavo NORM.	7.95	175.688	0.386	UL-RL	0.165	10.98	275.2	0	0	0.386
Scavo NORM.	7.55	185.976	0.59	UL-RL	0.165	10.98	275.2	0	0	0.59
Scavo NORM.	7.15	196.274	1.055	UL-RL	0.165	10.98	275.2	0	0	1.055
Scavo NORM.	6.75	206.58	1.189	UL-RL	0.165	10.98	275.2	0	0	1.189
Scavo NORM.	6.35	216.893	0.377	UL-RL	0.165	10.98	275.2	0	0	0.377
Scavo NORM.	5.95	227.213	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Scavo NORM.	5.55	237.896	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Scavo NORM.	5.15	248.215	0.006	UL-RL	0.165	10.98	275.2	0	0	0.006
Scavo NORM.	4.75	258.538	0.01	UL-RL	0.165	10.98	275.2	0	0	0.01
Scavo NORM.	4.35	268.867	0.01	UL-RL	0.165	10.98	275.2	0	0	0.01
Scavo NORM.	3.95	279.2	0.003	UL-RL	0.165	10.98	275.2	0	0	0.003
Scavo NORM.	3.55	289.538	2.653	UL-RL	0.165	10.98	275.2	0	0	2.653
Scavo NORM.	3.15	299.879	5.031	UL-RL	0.165	10.98	275.2	0	0	5.031
Scavo NORM.	2.75	310.224	2.868	UL-RL	0.165	10.98	275.2	0	0	2.868
Scavo NORM.	2.35	320.572	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	1.95	330.922	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	1.55	341.275	0.031	UL-RL	0.165	10.98	275.2	0	0	0.031
Scavo NORM.	1.15	351.631	0.155	UL-RL	0.165	10.98	275.2	0	0	0.155
Scavo NORM.	0.75	362.233	0.74	UL-RL	0.165	10.98	275.2	0	0	0.74
Scavo NORM.	0.35	372.587	1.58	UL-RL	0.165	10.98	275.2	0	0	1.58
Scavo NORM.	-0.05	382.943	2.441	UL-RL	0.165	10.98	275.2	0	0	2.441
Scavo NORM.	-0.45	393.301	2.629	UL-RL	0.165	10.98	275.2	0	0	2.629
Scavo NORM.	-0.85	403.661	1.548	UL-RL	0.165	10.98	275.2	0	0	1.548
Scavo NORM.	-1.25	414.023	1.232	UL-RL	0.165	10.98	275.2	0	0	1.232
Scavo NORM.	-1.45	419.311	0.522	UL-RL	0.165	10.98	275.2	0	0	0.522
Scavo NORM.	-1.85	429.673	0.009	UL-RL	0.165	10.98	275.2	0	0	0.009
Scavo NORM.	-2.25	440.037	0.027	UL-RL	0.165	10.98	275.2	0	0	0.027
Scavo NORM.	-2.65	450.402	0.054	UL-RL	0.165	10.98	275.2	0	0	0.054
Scavo NORM.	-3.05	460.769	0.094	UL-RL	0.165	10.98	275.2	0	0	0.094
Scavo NORM.	-3.45	471.137	0.128	UL-RL	0.165	10.98	275.2	0	0	0.128
Scavo NORM.	-3.85	481.506	0.097	UL-RL	0.165	10.98	275.2	0	0	0.097
Scavo NORM.	-4.25	491.876	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-4.65	502.248	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-5.05	512.62	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-5.45	522.994	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-5.85	533.369	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-6.25	543.911	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-6.65	554.284	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-7.05	564.658	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-7.45	575.034	0	ACTIVE	0.165	10.98	275.2	0	0	0
Scavo NORM.	-7.85	585.41	0	ACTIVE	0.165	10.98	275.2	0	0.056	0
Scavo NORM.	-8.25	592.01	3.1	UL-RL	0.165	10.98	275.2	3.777	0.056	6.877
Scavo NORM.	-8.65	598.611	26.885	UL-RL	0.165	10.98	275.2	7.553	0.056	34.438

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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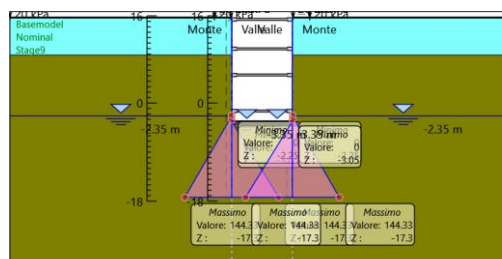
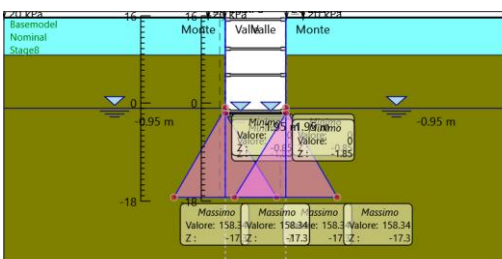
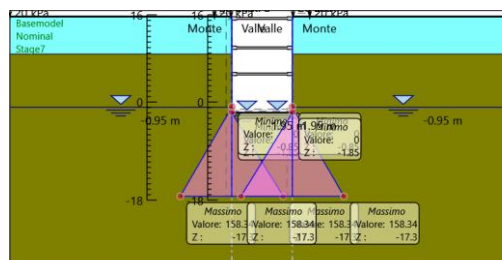
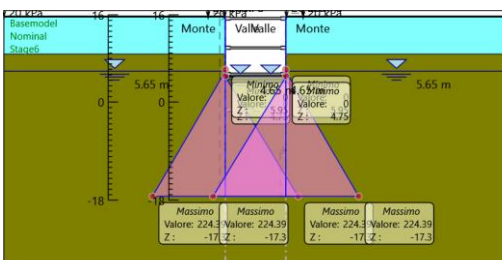
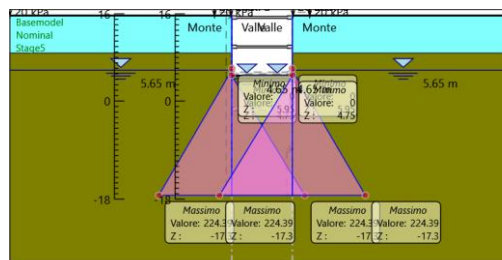
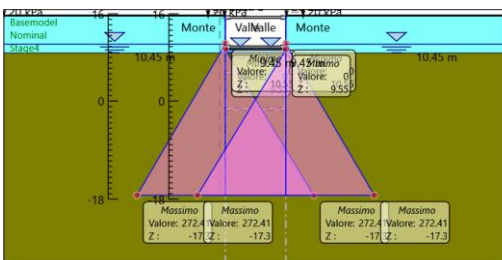
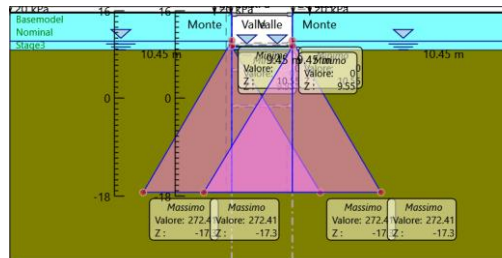
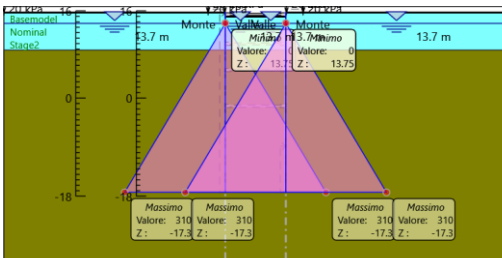
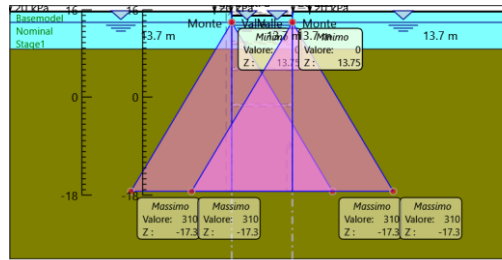
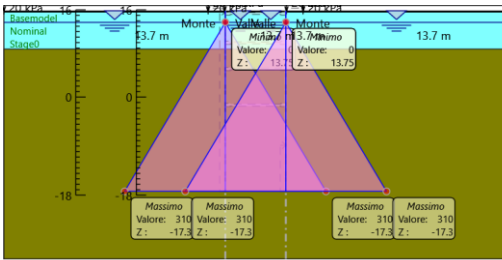
Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-9.05	605.213	52.688	UL-RL	0.165	10.98	275.2	11.33	0.056	0	64.017
Scavo NORM.	-9.45	611.815	72.492	UL-RL	0.165	10.98	275.2	15.106	0.056	0	87.598
Scavo NORM.	-9.85	618.418	84.383	UL-RL	0.165	10.98	275.2	18.883	0.056	0	103.266
Scavo NORM.	-10.25	625.022	90.716	UL-RL	0.165	10.98	275.2	22.659	0.056	0	113.376
Scavo NORM.	-10.65	631.626	94.289	UL-RL	0.165	10.98	275.2	26.436	0.056	0	120.725
Scavo NORM.	-11.05	638.367	96.965	UL-RL	0.165	10.98	275.2	30.212	0.056	0	127.178
Scavo NORM.	-11.45	644.971	99.612	UL-RL	0.165	10.98	275.2	33.989	0.056	0	133.601
Scavo NORM.	-11.85	651.575	102.462	UL-RL	0.165	10.98	275.2	37.765	0.056	0	140.228
Scavo NORM.	-12.25	658.179	105.476	UL-RL	0.165	10.98	275.2	41.542	0.056	0	147.018
Scavo NORM.	-12.65	664.784	108.549	UL-RL	0.165	10.98	275.2	45.318	0.056	0	153.867
Scavo NORM.	-13.05	671.39	111.605	UL-RL	0.165	10.98	275.2	49.095	0.056	0	160.7
Scavo NORM.	-13.45	677.996	114.608	UL-RL	0.165	10.98	275.2	52.872	0.056	0	167.48
Scavo NORM.	-13.85	684.602	117.553	UL-RL	0.165	10.98	275.2	56.648	0.056	0	174.201
Scavo NORM.	-14.25	691.209	120.446	UL-RL	0.165	10.98	275.2	60.425	0.056	0	180.87
Scavo NORM.	-14.65	697.816	123.297	UL-RL	0.165	10.98	275.2	64.201	0.056	0	187.498
Scavo NORM.	-15.05	704.424	126.116	UL-RL	0.165	10.98	275.2	67.978	0.056	0	194.093
Scavo NORM.	-15.45	711.149	128.906	UL-RL	0.165	10.98	275.2	71.754	0.056	0	200.66
Scavo NORM.	-15.85	717.756	131.673	UL-RL	0.165	10.98	275.2	75.531	0.056	0	207.204
Scavo NORM.	-16.25	724.364	134.42	UL-RL	0.165	10.98	275.2	79.307	0.056	0	213.727
Scavo NORM.	-16.65	730.972	137.152	UL-RL	0.165	10.98	275.2	83.084	0.056	0	220.236
Scavo NORM.	-17.05	737.58	139.875	UL-RL	0.165	10.98	275.2	86.86	0.056	0	226.735
Scavo NORM.	-17.3	741.752	141.576	UL-RL	0.165	10.98	275.2	89.221	0.056	0	230.797

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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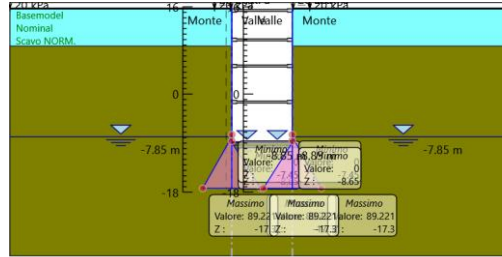
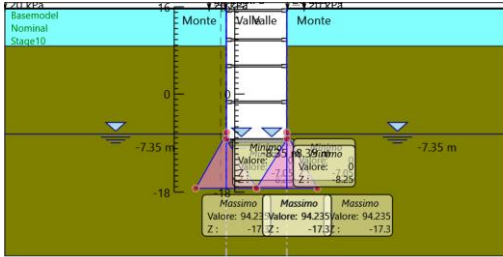
Grafico Risultati Terreno Pressione neutra



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIE

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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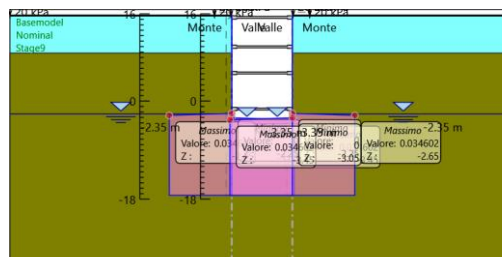
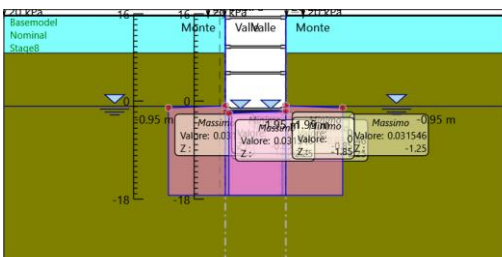
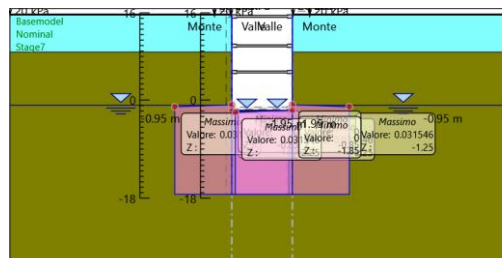
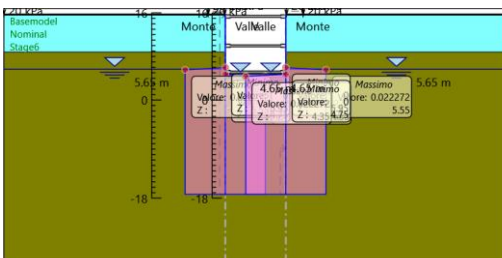
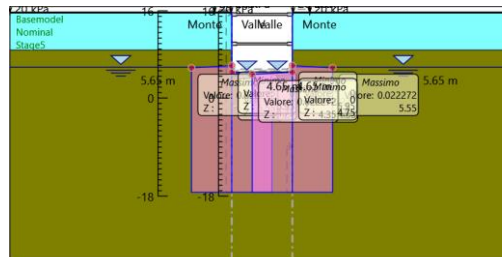
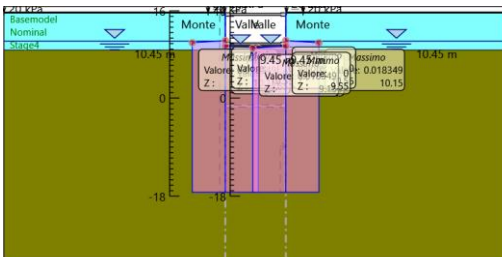
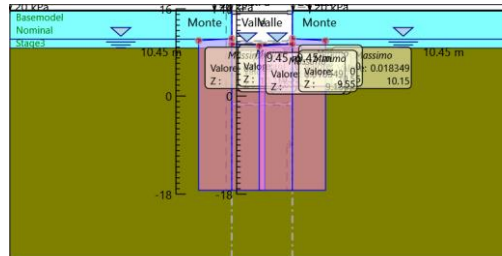
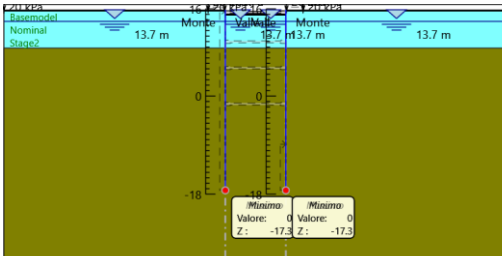
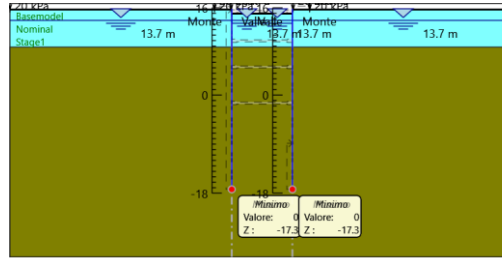
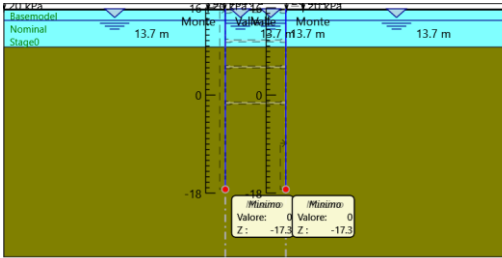


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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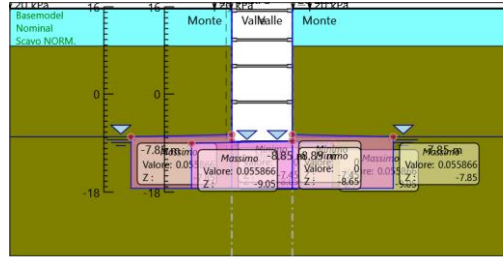
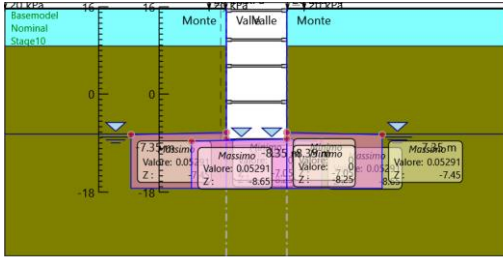
Grafico Risultati Terreno Gradiente idraulico



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Riepilogo spinte

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	LEFT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage0	3032.2	4805.1	7837.3	101.6	138990.8	2.18%	29.84
Stage1	2970.5	4805.1	7775.6	101.6	138990.8	2.14%	29.24
Stage2	2970.5	4805.1	7775.6	101.6	138990.8	2.14%	29.24
Stage3	2644.6	3779.8	6424.4	145.6	149388.8	1.77%	18.16
Stage4	2644.6	3779.8	6424.4	145.6	149388.8	1.77%	18.16
Stage5	2298	2575	4873	150.4	162524.7	1.41%	15.28
Stage6	2298	2575	4873	150.4	162524.7	1.41%	15.28
Stage7	1742.9	1294.6	3037.5	150.4	176583.5	0.99%	11.59
Stage8	1742.9	1294.6	3037.5	150.4	176583.5	0.99%	11.59
Stage9	1627.8	1079	2706.8	150.4	178950.9	0.91%	10.82
Stage10	1160.4	469	1629.4	150.4	185649	0.63%	7.72
Scavo NORM.	1118.5	421.6	1540.1	150.4	186169.4	0.6%	7.44

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	RIGHT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage0	3032.2	4805.1	7837.3	61.5	134472.8	2.25%	49.3
Stage1	2970.5	4805.1	7775.6	32	129887.9	2.29%	92.83
Stage2	2970.5	4805.1	7775.6	32	129887.9	2.29%	92.83
Stage3	2742.8	3643.6	6386.4	0	108884.1	2.52%	∞
Stage4	2742.8	3643.6	6386.4	0	108884.1	2.52%	∞
Stage5	2238.1	2462.8	4700.9	0	81585.3	2.74%	∞
Stage6	2238.1	2462.8	4700.9	0	81585.3	2.74%	∞
Stage7	1643.4	1215.4	2858.9	0	48104.7	3.42%	∞
Stage8	1643.4	1215.4	2858.9	0	48104.7	3.42%	∞
Stage9	1517.1	1006.8	2524	0	42351.3	3.58%	∞
Stage10	1024.9	421.9	1446.8	0	22946.8	4.47%	∞
Scavo NORM.	980.3	377.2	1357.4	0	21467.6	4.57%	∞

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro:		Lato		Percentuale di resistenza massima	Vera / Attiva
		RIGHT	LEFT	RIGHT	LEFT		
		Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)		
Stage0	3032.2	4805.1	7837.3	61.5	134472.8	2.25%	49.3
Stage1	2970.5	4805.1	7775.6	32	129887.9	2.29%	92.83
Stage2	2970.5	4805.1	7775.6	32	129887.9	2.29%	92.83
Stage3	2742.8	3643.6	6386.4	0	108884.1	2.52%	∞
Stage4	2742.8	3643.6	6386.4	0	108884.1	2.52%	∞
Stage5	2238.1	2462.8	4700.9	0	81585.3	2.74%	∞
Stage6	2238.1	2462.8	4700.9	0	81585.3	2.74%	∞
Stage7	1643.4	1215.4	2858.9	0	48104.7	3.42%	∞
Stage8	1643.4	1215.4	2858.9	0	48104.7	3.42%	∞
Stage9	1517.1	1006.8	2524	0	42351.3	3.58%	∞
Stage10	1024.9	421.9	1446.8	0	22946.8	4.47%	∞
Scavo NORM.	980.3	377.2	1357.4	0	21467.6	4.57%	∞

Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro:		Lato		Percentuale di resistenza massima	Vera / Attiva
		RIGHT	RIGHT	RIGHT	RIGHT		
		Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)		
Stage0	3032.2	4805.1	7837.3	101.6	138990.8	2.18%	29.84
Stage1	2970.5	4805.1	7775.6	101.6	138990.8	2.14%	29.24
Stage2	2970.5	4805.1	7775.6	101.6	138990.8	2.14%	29.24
Stage3	2644.6	3779.8	6424.4	145.6	149388.8	1.77%	18.16
Stage4	2644.6	3779.8	6424.4	145.6	149388.8	1.77%	18.16
Stage5	2298	2575	4873	150.4	162524.7	1.41%	15.28
Stage6	2298	2575	4873	150.4	162524.7	1.41%	15.28
Stage7	1742.9	1294.6	3037.5	150.4	176583.5	0.99%	11.59
Stage8	1742.9	1294.6	3037.5	150.4	176583.5	0.99%	11.59
Stage9	1627.8	1079	2706.8	150.4	178950.9	0.91%	10.82
Stage10	1160.4	469	1629.4	150.4	185649	0.63%	7.72
Scavo NORM.	1118.5	421.6	1540.1	150.4	186169.4	0.6%	7.44

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1



PARATIE plus™
2014.7

Report di Calcolo

Nome Progetto: MyProject

Autore: Engineer

Jobname:

Data:

Design Section: Basemodel

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Sommario
Contenuto Sommario

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Descrizione Pareti

X : 0 m

Quota in alto : 15.7 m

Quota di fondo : -22.3 m

Muro di sinistra

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

Spessore : 0.02 m

Diametro : 0.1937 m



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

X : 0 m

Quota in alto : 15.7 m

Quota di fondo : -22.3 m

Muro di sinistra

X : 10.94 m

Quota in alto : 15.7 m

Quota di fondo : -22.3 m

Muro di destra

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

Spessore : 0.02 m

Diametro : 0.1937 m

Sezione : Micropalo

Area equivalente : 0.0403965647328515 m

Inerzia equivalente : 0.0002 m⁴/m

Materiale calcestruzzo : C25/30

Tipo sezione : Tangent

Spaziatura : 0.4 m

Diametro : 0.24 m

Efficacia : 1

Materiale acciaio : S355

Sezione : pm193.7x20

Tipo sezione : O

Spaziatura : 0.4 m

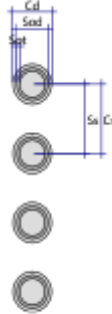
Spessore : 0.02 m

Diametro : 0.1937 m

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1



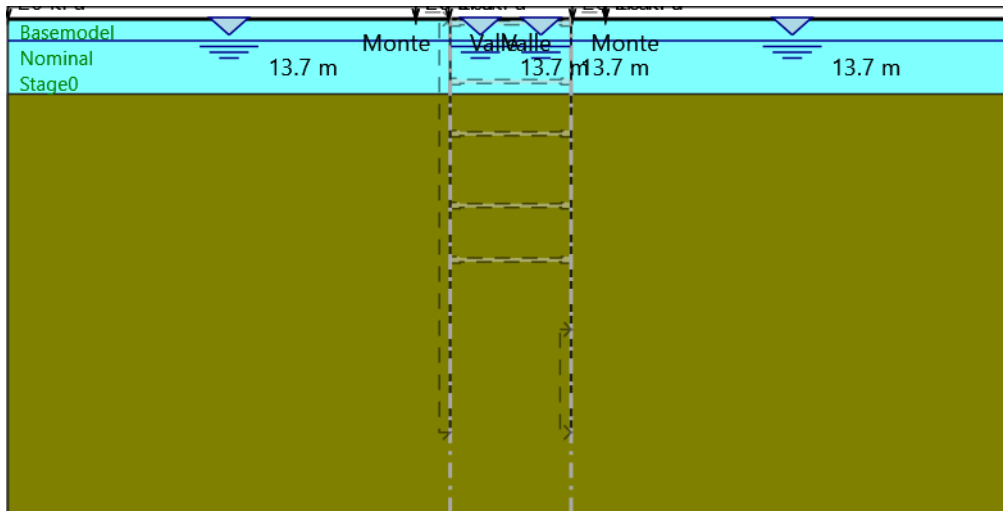
PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Fasi di Calcolo

Stage0

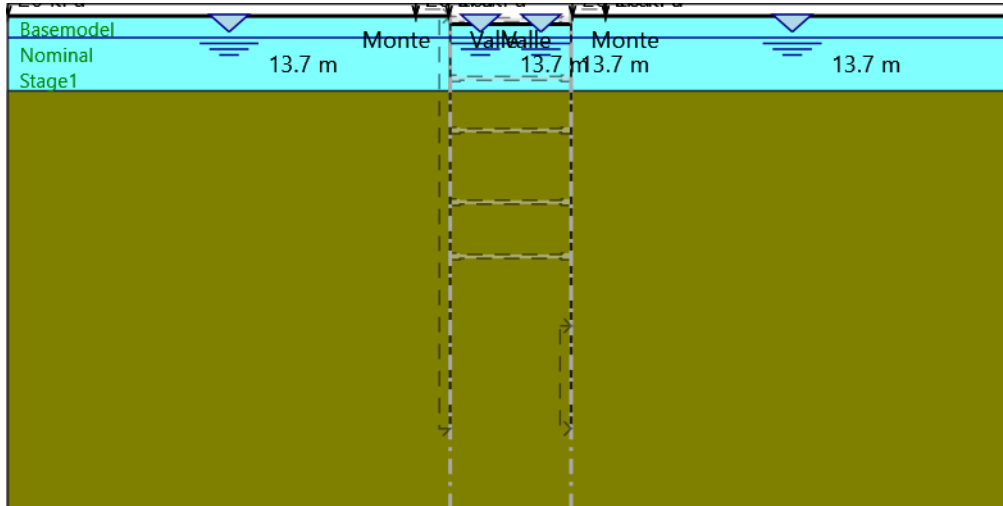


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage1

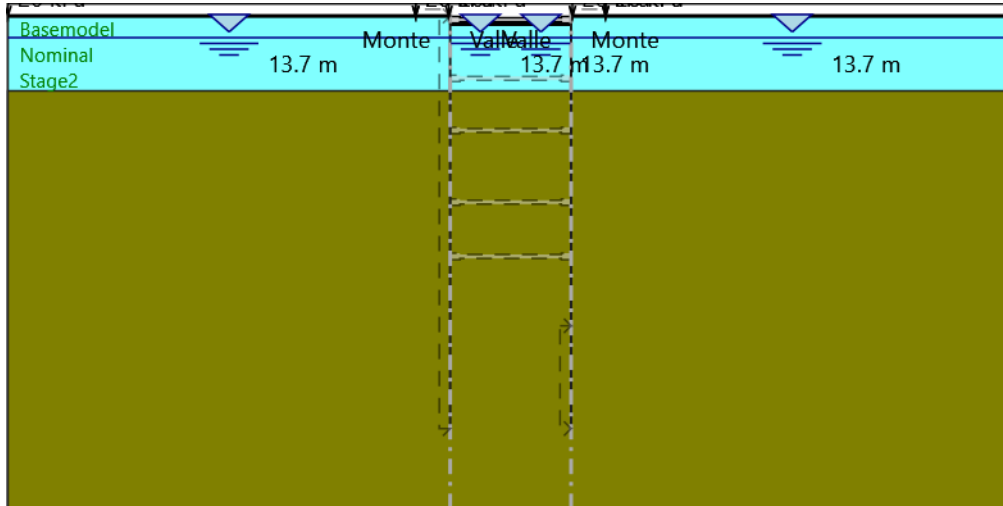


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage2

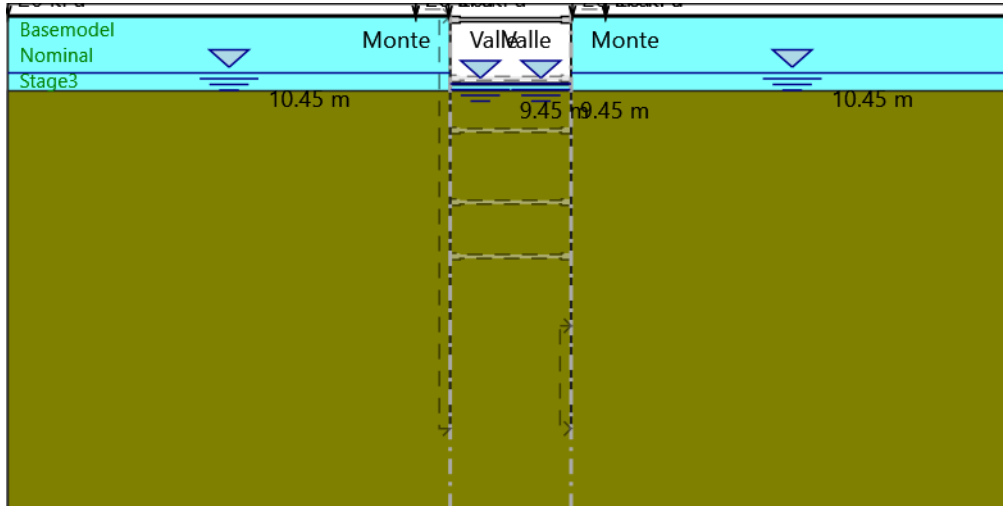


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage3

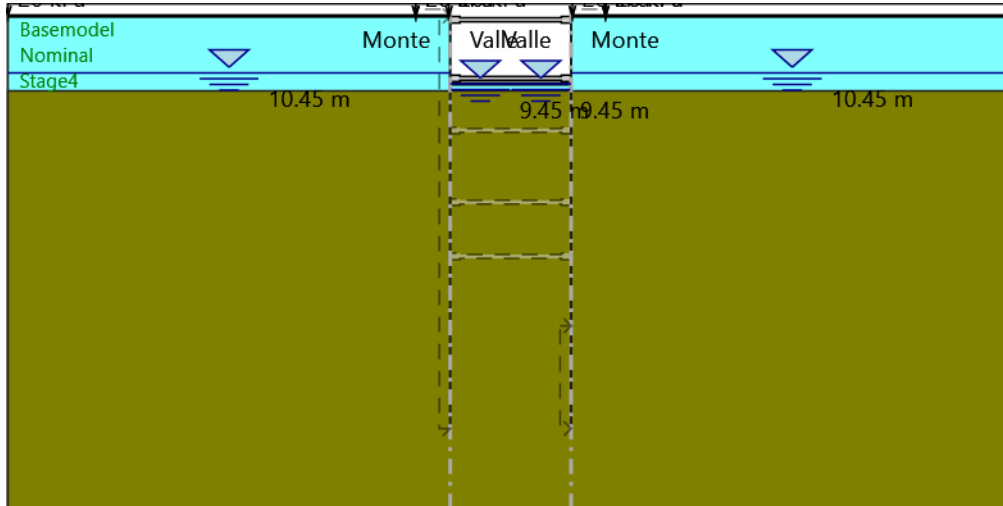


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage4

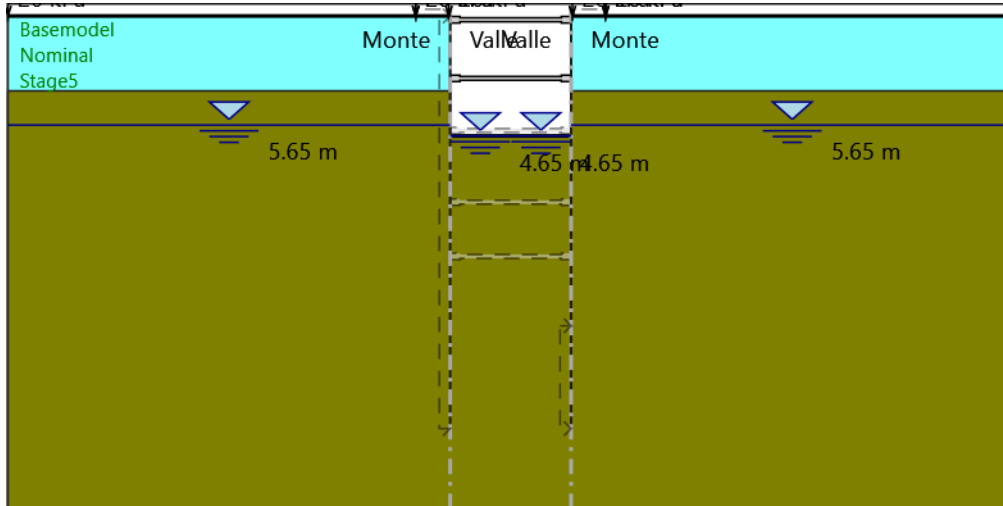


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage5

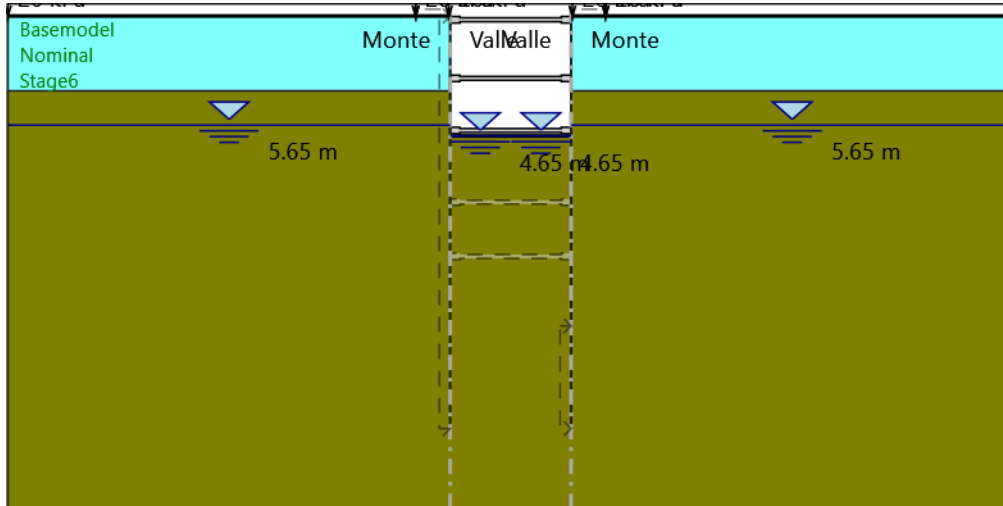


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage6

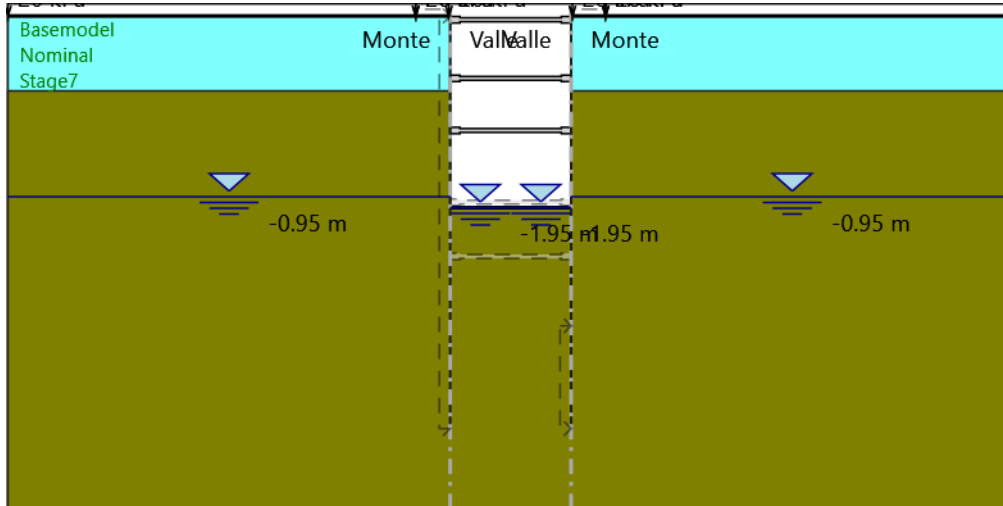


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage7

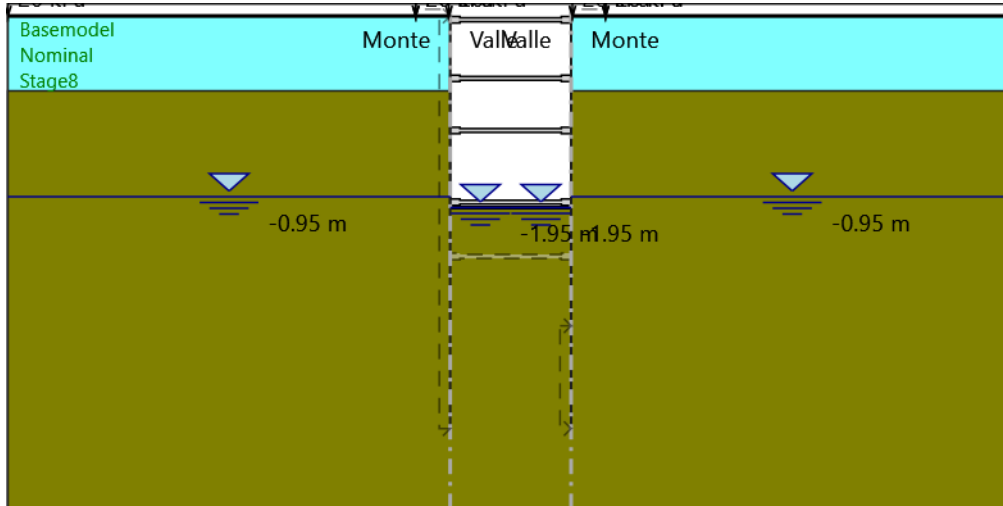


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage8

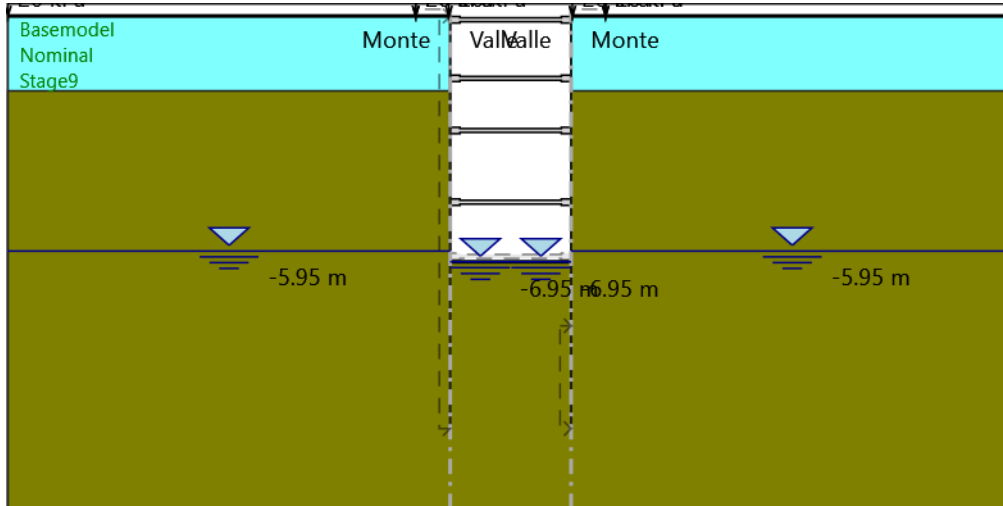


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage9

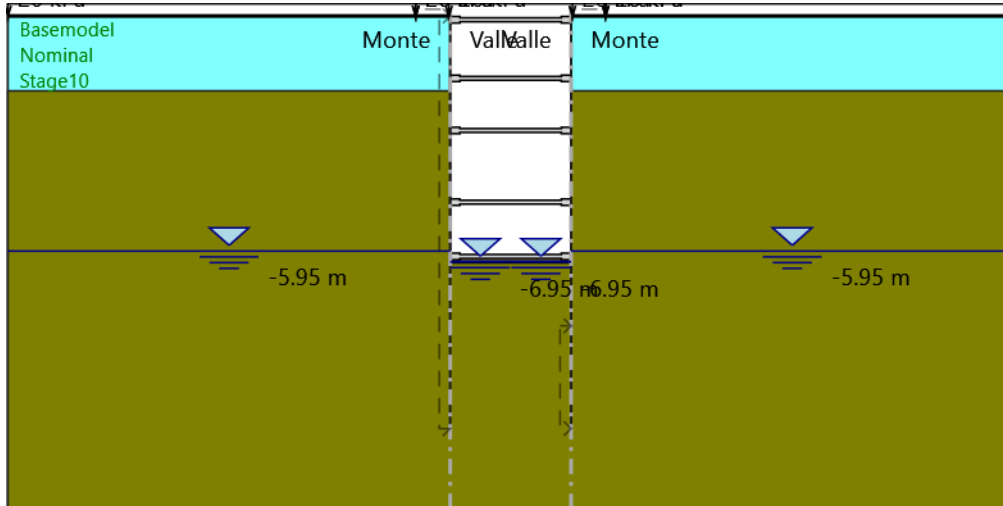


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage10

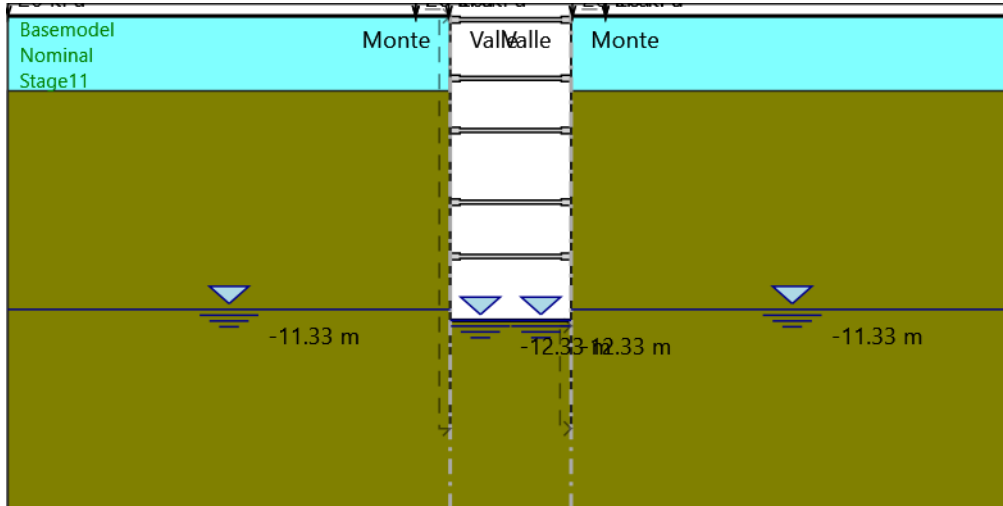


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Stage11

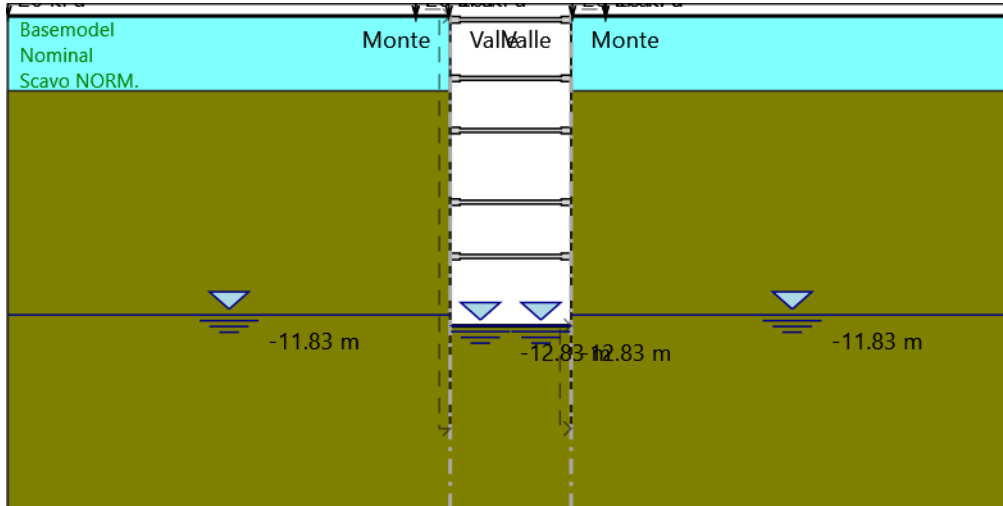


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Scavo NORM.



PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Grafici dei Risultati

Design Assumption : Nominal

Tabella Spostamento Nominal - LEFT Stage: Stage0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage0	15.7	0
Stage0	15.35	0
Stage0	14.95	0
Stage0	14.55	0
Stage0	14.15	0
Stage0	13.75	0
Stage0	13.35	0
Stage0	12.95	0
Stage0	12.55	0
Stage0	12.15	0
Stage0	11.75	0
Stage0	11.35	0
Stage0	10.95	0
Stage0	10.55	0
Stage0	10.15	0
Stage0	9.95	0
Stage0	9.55	0
Stage0	9.15	0
Stage0	8.75	0
Stage0	8.35	0
Stage0	7.95	0
Stage0	7.55	0
Stage0	7.15	0
Stage0	6.75	0
Stage0	6.35	0
Stage0	5.95	0
Stage0	5.55	0
Stage0	5.15	0
Stage0	4.75	0
Stage0	4.35	0
Stage0	3.95	0
Stage0	3.55	0
Stage0	3.15	0
Stage0	2.75	0
Stage0	2.35	0
Stage0	1.95	0
Stage0	1.55	0
Stage0	1.15	0
Stage0	0.75	0
Stage0	0.35	0
Stage0	-0.05	0
Stage0	-0.45	0
Stage0	-0.85	0
Stage0	-1.25	0
Stage0	-1.45	0
Stage0	-1.85	0
Stage0	-2.25	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage0	-2.65	0
Stage0	-3.05	0
Stage0	-3.45	0
Stage0	-3.85	0
Stage0	-4.25	0
Stage0	-4.65	0
Stage0	-5.05	0
Stage0	-5.45	0
Stage0	-5.85	0
Stage0	-6.25	0
Stage0	-6.45	0
Stage0	-6.85	0
Stage0	-7.25	0
Stage0	-7.65	0
Stage0	-8.05	0
Stage0	-8.45	0
Stage0	-8.85	0
Stage0	-9.25	0
Stage0	-9.65	0
Stage0	-10.05	0
Stage0	-10.45	0
Stage0	-10.85	0
Stage0	-11.25	0
Stage0	-11.65	0
Stage0	-12.05	0
Stage0	-12.45	0
Stage0	-12.85	0
Stage0	-13.25	0
Stage0	-13.65	0
Stage0	-14.05	0
Stage0	-14.45	0
Stage0	-14.85	0
Stage0	-15.25	0
Stage0	-15.65	0
Stage0	-16.05	0
Stage0	-16.45	0
Stage0	-16.85	0
Stage0	-17.25	0
Stage0	-17.65	0
Stage0	-18.05	0
Stage0	-18.45	0
Stage0	-18.85	0
Stage0	-19.25	0
Stage0	-19.65	0
Stage0	-20.05	0
Stage0	-20.45	0
Stage0	-20.85	0
Stage0	-21.25	0
Stage0	-21.65	0
Stage0	-22.05	0
Stage0	-22.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage0

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage0	15.7	0
Stage0	15.35	0
Stage0	14.95	0
Stage0	14.55	0
Stage0	14.15	0
Stage0	13.75	0
Stage0	13.35	0
Stage0	12.95	0
Stage0	12.55	0
Stage0	12.15	0
Stage0	11.75	0
Stage0	11.35	0
Stage0	10.95	0
Stage0	10.55	0
Stage0	10.15	0
Stage0	9.95	0
Stage0	9.55	0
Stage0	9.15	0
Stage0	8.75	0
Stage0	8.35	0
Stage0	7.95	0
Stage0	7.55	0
Stage0	7.15	0
Stage0	6.75	0
Stage0	6.35	0
Stage0	5.95	0
Stage0	5.55	0
Stage0	5.15	0
Stage0	4.75	0
Stage0	4.35	0
Stage0	3.95	0
Stage0	3.55	0
Stage0	3.15	0
Stage0	2.75	0
Stage0	2.35	0
Stage0	1.95	0
Stage0	1.55	0
Stage0	1.15	0
Stage0	0.75	0
Stage0	0.35	0
Stage0	-0.05	0
Stage0	-0.45	0
Stage0	-0.85	0
Stage0	-1.25	0
Stage0	-1.45	0
Stage0	-1.85	0
Stage0	-2.25	0
Stage0	-2.65	0
Stage0	-3.05	0
Stage0	-3.45	0
Stage0	-3.85	0
Stage0	-4.25	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage0	-4.65	0
Stage0	-5.05	0
Stage0	-5.45	0
Stage0	-5.85	0
Stage0	-6.25	0
Stage0	-6.45	0
Stage0	-6.85	0
Stage0	-7.25	0
Stage0	-7.65	0
Stage0	-8.05	0
Stage0	-8.45	0
Stage0	-8.85	0
Stage0	-9.25	0
Stage0	-9.65	0
Stage0	-10.05	0
Stage0	-10.45	0
Stage0	-10.85	0
Stage0	-11.25	0
Stage0	-11.65	0
Stage0	-12.05	0
Stage0	-12.45	0
Stage0	-12.85	0
Stage0	-13.25	0
Stage0	-13.65	0
Stage0	-14.05	0
Stage0	-14.45	0
Stage0	-14.85	0
Stage0	-15.25	0
Stage0	-15.65	0
Stage0	-16.05	0
Stage0	-16.45	0
Stage0	-16.85	0
Stage0	-17.25	0
Stage0	-17.65	0
Stage0	-18.05	0
Stage0	-18.45	0
Stage0	-18.85	0
Stage0	-19.25	0
Stage0	-19.65	0
Stage0	-20.05	0
Stage0	-20.45	0
Stage0	-20.85	0
Stage0	-21.25	0
Stage0	-21.65	0
Stage0	-22.05	0
Stage0	-22.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - LEFT Stage: Stage1

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage1	15.7	0.33	
Stage1	15.35	0.27	
Stage1	14.95	0.21	
Stage1	14.55	0.15	
Stage1	14.15	0.1	
Stage1	13.75	0.07	
Stage1	13.35	0.05	
Stage1	12.95	0.03	
Stage1	12.55	0.03	
Stage1	12.15	0.03	
Stage1	11.75	0.03	
Stage1	11.35	0.03	
Stage1	10.95	0.03	
Stage1	10.55	0.03	
Stage1	10.15	0.03	
Stage1	9.95	0.02	
Stage1	9.55	0.02	
Stage1	9.15	0.01	
Stage1	8.75	0	
Stage1	8.35	0	
Stage1	7.95	0	
Stage1	7.55	0	
Stage1	7.15	0	
Stage1	6.75	0	
Stage1	6.35	0	
Stage1	5.95	0	
Stage1	5.55	0	
Stage1	5.15	0	
Stage1	4.75	0	
Stage1	4.35	0	
Stage1	3.95	0	
Stage1	3.55	0	
Stage1	3.15	0	
Stage1	2.75	0	
Stage1	2.35	0	
Stage1	1.95	0	
Stage1	1.55	0	
Stage1	1.15	0	
Stage1	0.75	0	
Stage1	0.35	0	
Stage1	-0.05	0	
Stage1	-0.45	0	
Stage1	-0.85	0	
Stage1	-1.25	0	
Stage1	-1.45	0	
Stage1	-1.85	0	
Stage1	-2.25	0	
Stage1	-2.65	0	
Stage1	-3.05	0	
Stage1	-3.45	0	
Stage1	-3.85	0	
Stage1	-4.25	0	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage1	-4.65	0
Stage1	-5.05	0
Stage1	-5.45	0
Stage1	-5.85	0
Stage1	-6.25	0
Stage1	-6.45	0
Stage1	-6.85	0
Stage1	-7.25	0
Stage1	-7.65	0
Stage1	-8.05	0
Stage1	-8.45	0
Stage1	-8.85	0
Stage1	-9.25	0
Stage1	-9.65	0
Stage1	-10.05	0
Stage1	-10.45	0
Stage1	-10.85	0
Stage1	-11.25	0
Stage1	-11.65	0
Stage1	-12.05	0
Stage1	-12.45	0
Stage1	-12.85	0
Stage1	-13.25	0
Stage1	-13.65	0
Stage1	-14.05	0
Stage1	-14.45	0
Stage1	-14.85	0
Stage1	-15.25	0
Stage1	-15.65	0
Stage1	-16.05	0
Stage1	-16.45	0
Stage1	-16.85	0
Stage1	-17.25	0
Stage1	-17.65	0
Stage1	-18.05	0
Stage1	-18.45	0
Stage1	-18.85	0
Stage1	-19.25	0
Stage1	-19.65	0
Stage1	-20.05	0
Stage1	-20.45	0
Stage1	-20.85	0
Stage1	-21.25	0
Stage1	-21.65	0
Stage1	-22.05	0
Stage1	-22.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Stage1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage1	15.7	-0.33
Stage1	15.35	-0.27
Stage1	14.95	-0.21
Stage1	14.55	-0.15
Stage1	14.15	-0.1
Stage1	13.75	-0.07
Stage1	13.35	-0.05
Stage1	12.95	-0.03
Stage1	12.55	-0.03
Stage1	12.15	-0.03
Stage1	11.75	-0.03
Stage1	11.35	-0.03
Stage1	10.95	-0.03
Stage1	10.55	-0.03
Stage1	10.15	-0.03
Stage1	9.95	-0.02
Stage1	9.55	-0.02
Stage1	9.15	-0.01
Stage1	8.75	0
Stage1	8.35	0
Stage1	7.95	0
Stage1	7.55	0
Stage1	7.15	0
Stage1	6.75	0
Stage1	6.35	0
Stage1	5.95	0
Stage1	5.55	0
Stage1	5.15	0
Stage1	4.75	0
Stage1	4.35	0
Stage1	3.95	0
Stage1	3.55	0
Stage1	3.15	0
Stage1	2.75	0
Stage1	2.35	0
Stage1	1.95	0
Stage1	1.55	0
Stage1	1.15	0
Stage1	0.75	0
Stage1	0.35	0
Stage1	-0.05	0
Stage1	-0.45	0
Stage1	-0.85	0
Stage1	-1.25	0
Stage1	-1.45	0
Stage1	-1.85	0
Stage1	-2.25	0
Stage1	-2.65	0
Stage1	-3.05	0
Stage1	-3.45	0
Stage1	-3.85	0
Stage1	-4.25	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage1	-4.65	0
Stage1	-5.05	0
Stage1	-5.45	0
Stage1	-5.85	0
Stage1	-6.25	0
Stage1	-6.45	0
Stage1	-6.85	0
Stage1	-7.25	0
Stage1	-7.65	0
Stage1	-8.05	0
Stage1	-8.45	0
Stage1	-8.85	0
Stage1	-9.25	0
Stage1	-9.65	0
Stage1	-10.05	0
Stage1	-10.45	0
Stage1	-10.85	0
Stage1	-11.25	0
Stage1	-11.65	0
Stage1	-12.05	0
Stage1	-12.45	0
Stage1	-12.85	0
Stage1	-13.25	0
Stage1	-13.65	0
Stage1	-14.05	0
Stage1	-14.45	0
Stage1	-14.85	0
Stage1	-15.25	0
Stage1	-15.65	0
Stage1	-16.05	0
Stage1	-16.45	0
Stage1	-16.85	0
Stage1	-17.25	0
Stage1	-17.65	0
Stage1	-18.05	0
Stage1	-18.45	0
Stage1	-18.85	0
Stage1	-19.25	0
Stage1	-19.65	0
Stage1	-20.05	0
Stage1	-20.45	0
Stage1	-20.85	0
Stage1	-21.25	0
Stage1	-21.65	0
Stage1	-22.05	0
Stage1	-22.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - LEFT Stage: Stage2

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage2	15.7	0.33	
Stage2	15.35	0.27	
Stage2	14.95	0.21	
Stage2	14.55	0.15	
Stage2	14.15	0.1	
Stage2	13.75	0.07	
Stage2	13.35	0.05	
Stage2	12.95	0.03	
Stage2	12.55	0.03	
Stage2	12.15	0.03	
Stage2	11.75	0.03	
Stage2	11.35	0.03	
Stage2	10.95	0.03	
Stage2	10.55	0.03	
Stage2	10.15	0.03	
Stage2	9.95	0.02	
Stage2	9.55	0.02	
Stage2	9.15	0.01	
Stage2	8.75	0	
Stage2	8.35	0	
Stage2	7.95	0	
Stage2	7.55	0	
Stage2	7.15	0	
Stage2	6.75	0	
Stage2	6.35	0	
Stage2	5.95	0	
Stage2	5.55	0	
Stage2	5.15	0	
Stage2	4.75	0	
Stage2	4.35	0	
Stage2	3.95	0	
Stage2	3.55	0	
Stage2	3.15	0	
Stage2	2.75	0	
Stage2	2.35	0	
Stage2	1.95	0	
Stage2	1.55	0	
Stage2	1.15	0	
Stage2	0.75	0	
Stage2	0.35	0	
Stage2	-0.05	0	
Stage2	-0.45	0	
Stage2	-0.85	0	
Stage2	-1.25	0	
Stage2	-1.45	0	
Stage2	-1.85	0	
Stage2	-2.25	0	
Stage2	-2.65	0	
Stage2	-3.05	0	
Stage2	-3.45	0	
Stage2	-3.85	0	
Stage2	-4.25	0	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage2	-4.65	0
Stage2	-5.05	0
Stage2	-5.45	0
Stage2	-5.85	0
Stage2	-6.25	0
Stage2	-6.45	0
Stage2	-6.85	0
Stage2	-7.25	0
Stage2	-7.65	0
Stage2	-8.05	0
Stage2	-8.45	0
Stage2	-8.85	0
Stage2	-9.25	0
Stage2	-9.65	0
Stage2	-10.05	0
Stage2	-10.45	0
Stage2	-10.85	0
Stage2	-11.25	0
Stage2	-11.65	0
Stage2	-12.05	0
Stage2	-12.45	0
Stage2	-12.85	0
Stage2	-13.25	0
Stage2	-13.65	0
Stage2	-14.05	0
Stage2	-14.45	0
Stage2	-14.85	0
Stage2	-15.25	0
Stage2	-15.65	0
Stage2	-16.05	0
Stage2	-16.45	0
Stage2	-16.85	0
Stage2	-17.25	0
Stage2	-17.65	0
Stage2	-18.05	0
Stage2	-18.45	0
Stage2	-18.85	0
Stage2	-19.25	0
Stage2	-19.65	0
Stage2	-20.05	0
Stage2	-20.45	0
Stage2	-20.85	0
Stage2	-21.25	0
Stage2	-21.65	0
Stage2	-22.05	0
Stage2	-22.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage2

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage2	15.7	-0.33
Stage2	15.35	-0.27
Stage2	14.95	-0.21
Stage2	14.55	-0.15
Stage2	14.15	-0.1
Stage2	13.75	-0.07
Stage2	13.35	-0.05
Stage2	12.95	-0.03
Stage2	12.55	-0.03
Stage2	12.15	-0.03
Stage2	11.75	-0.03
Stage2	11.35	-0.03
Stage2	10.95	-0.03
Stage2	10.55	-0.03
Stage2	10.15	-0.03
Stage2	9.95	-0.02
Stage2	9.55	-0.02
Stage2	9.15	-0.01
Stage2	8.75	0
Stage2	8.35	0
Stage2	7.95	0
Stage2	7.55	0
Stage2	7.15	0
Stage2	6.75	0
Stage2	6.35	0
Stage2	5.95	0
Stage2	5.55	0
Stage2	5.15	0
Stage2	4.75	0
Stage2	4.35	0
Stage2	3.95	0
Stage2	3.55	0
Stage2	3.15	0
Stage2	2.75	0
Stage2	2.35	0
Stage2	1.95	0
Stage2	1.55	0
Stage2	1.15	0
Stage2	0.75	0
Stage2	0.35	0
Stage2	-0.05	0
Stage2	-0.45	0
Stage2	-0.85	0
Stage2	-1.25	0
Stage2	-1.45	0
Stage2	-1.85	0
Stage2	-2.25	0
Stage2	-2.65	0
Stage2	-3.05	0
Stage2	-3.45	0
Stage2	-3.85	0
Stage2	-4.25	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage2	-4.65	0
Stage2	-5.05	0
Stage2	-5.45	0
Stage2	-5.85	0
Stage2	-6.25	0
Stage2	-6.45	0
Stage2	-6.85	0
Stage2	-7.25	0
Stage2	-7.65	0
Stage2	-8.05	0
Stage2	-8.45	0
Stage2	-8.85	0
Stage2	-9.25	0
Stage2	-9.65	0
Stage2	-10.05	0
Stage2	-10.45	0
Stage2	-10.85	0
Stage2	-11.25	0
Stage2	-11.65	0
Stage2	-12.05	0
Stage2	-12.45	0
Stage2	-12.85	0
Stage2	-13.25	0
Stage2	-13.65	0
Stage2	-14.05	0
Stage2	-14.45	0
Stage2	-14.85	0
Stage2	-15.25	0
Stage2	-15.65	0
Stage2	-16.05	0
Stage2	-16.45	0
Stage2	-16.85	0
Stage2	-17.25	0
Stage2	-17.65	0
Stage2	-18.05	0
Stage2	-18.45	0
Stage2	-18.85	0
Stage2	-19.25	0
Stage2	-19.65	0
Stage2	-20.05	0
Stage2	-20.45	0
Stage2	-20.85	0
Stage2	-21.25	0
Stage2	-21.65	0
Stage2	-22.05	0
Stage2	-22.3	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage3

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage3	15.7	-1.16	
Stage3	15.35	0.57	
Stage3	14.95	2.53	
Stage3	14.55	4.44	
Stage3	14.15	6.2	
Stage3	13.75	7.77	
Stage3	13.35	9.06	
Stage3	12.95	10.04	
Stage3	12.55	10.64	
Stage3	12.15	10.86	
Stage3	11.75	10.66	
Stage3	11.35	10.06	
Stage3	10.95	9.08	
Stage3	10.55	7.79	
Stage3	10.15	6.26	
Stage3	9.95	5.44	
Stage3	9.55	3.78	
Stage3	9.15	2.24	
Stage3	8.75	1.03	
Stage3	8.35	0.3	
Stage3	7.95	0	
Stage3	7.55	-0.06	
Stage3	7.15	-0.03	
Stage3	6.75	0.01	
Stage3	6.35	0.03	
Stage3	5.95	0.03	
Stage3	5.55	0.03	
Stage3	5.15	0.03	
Stage3	4.75	0.03	
Stage3	4.35	0.03	
Stage3	3.95	0.03	
Stage3	3.55	0.03	
Stage3	3.15	0.03	
Stage3	2.75	0.03	
Stage3	2.35	0.03	
Stage3	1.95	0.03	
Stage3	1.55	0.03	
Stage3	1.15	0.03	
Stage3	0.75	0.03	
Stage3	0.35	0.03	
Stage3	-0.05	0.03	
Stage3	-0.45	0.03	
Stage3	-0.85	0.03	
Stage3	-1.25	0.03	
Stage3	-1.45	0.03	
Stage3	-1.85	0.03	
Stage3	-2.25	0.02	
Stage3	-2.65	0.02	
Stage3	-3.05	0.02	
Stage3	-3.45	0.02	
Stage3	-3.85	0.02	
Stage3	-4.25	0.02	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage3	-4.65	0.02	
Stage3	-5.05	0.02	
Stage3	-5.45	0.02	
Stage3	-5.85	0.02	
Stage3	-6.25	0.02	
Stage3	-6.45	0.02	
Stage3	-6.85	0.02	
Stage3	-7.25	0.02	
Stage3	-7.65	0.02	
Stage3	-8.05	0.02	
Stage3	-8.45	0.02	
Stage3	-8.85	0.02	
Stage3	-9.25	0.02	
Stage3	-9.65	0.02	
Stage3	-10.05	0.02	
Stage3	-10.45	0.02	
Stage3	-10.85	0.02	
Stage3	-11.25	0.02	
Stage3	-11.65	0.02	
Stage3	-12.05	0.02	
Stage3	-12.45	0.02	
Stage3	-12.85	0.02	
Stage3	-13.25	0.02	
Stage3	-13.65	0.02	
Stage3	-14.05	0.02	
Stage3	-14.45	0.02	
Stage3	-14.85	0.02	
Stage3	-15.25	0.02	
Stage3	-15.65	0.02	
Stage3	-16.05	0.02	
Stage3	-16.45	0.02	
Stage3	-16.85	0.02	
Stage3	-17.25	0.02	
Stage3	-17.65	0.02	
Stage3	-18.05	0.02	
Stage3	-18.45	0.02	
Stage3	-18.85	0.02	
Stage3	-19.25	0.02	
Stage3	-19.65	0.02	
Stage3	-20.05	0.02	
Stage3	-20.45	0.02	
Stage3	-20.85	0.02	
Stage3	-21.25	0.02	
Stage3	-21.65	0.02	
Stage3	-22.05	0.02	
Stage3	-22.3	0.02	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage3

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage3	15.7	1.16
Stage3	15.35	-0.57
Stage3	14.95	-2.53
Stage3	14.55	-4.44
Stage3	14.15	-6.2
Stage3	13.75	-7.77
Stage3	13.35	-9.06
Stage3	12.95	-10.04
Stage3	12.55	-10.64
Stage3	12.15	-10.86
Stage3	11.75	-10.66
Stage3	11.35	-10.06
Stage3	10.95	-9.08
Stage3	10.55	-7.79
Stage3	10.15	-6.26
Stage3	9.95	-5.44
Stage3	9.55	-3.78
Stage3	9.15	-2.24
Stage3	8.75	-1.03
Stage3	8.35	-0.3
Stage3	7.95	0
Stage3	7.55	0.06
Stage3	7.15	0.03
Stage3	6.75	-0.01
Stage3	6.35	-0.03
Stage3	5.95	-0.03
Stage3	5.55	-0.03
Stage3	5.15	-0.03
Stage3	4.75	-0.03
Stage3	4.35	-0.03
Stage3	3.95	-0.03
Stage3	3.55	-0.03
Stage3	3.15	-0.03
Stage3	2.75	-0.03
Stage3	2.35	-0.03
Stage3	1.95	-0.03
Stage3	1.55	-0.03
Stage3	1.15	-0.03
Stage3	0.75	-0.03
Stage3	0.35	-0.03
Stage3	-0.05	-0.03
Stage3	-0.45	-0.03
Stage3	-0.85	-0.03
Stage3	-1.25	-0.03
Stage3	-1.45	-0.03
Stage3	-1.85	-0.03
Stage3	-2.25	-0.02
Stage3	-2.65	-0.02
Stage3	-3.05	-0.02
Stage3	-3.45	-0.02
Stage3	-3.85	-0.02
Stage3	-4.25	-0.02

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage3	-4.65	-0.02
Stage3	-5.05	-0.02
Stage3	-5.45	-0.02
Stage3	-5.85	-0.02
Stage3	-6.25	-0.02
Stage3	-6.45	-0.02
Stage3	-6.85	-0.02
Stage3	-7.25	-0.02
Stage3	-7.65	-0.02
Stage3	-8.05	-0.02
Stage3	-8.45	-0.02
Stage3	-8.85	-0.02
Stage3	-9.25	-0.02
Stage3	-9.65	-0.02
Stage3	-10.05	-0.02
Stage3	-10.45	-0.02
Stage3	-10.85	-0.02
Stage3	-11.25	-0.02
Stage3	-11.65	-0.02
Stage3	-12.05	-0.02
Stage3	-12.45	-0.02
Stage3	-12.85	-0.02
Stage3	-13.25	-0.02
Stage3	-13.65	-0.02
Stage3	-14.05	-0.02
Stage3	-14.45	-0.02
Stage3	-14.85	-0.02
Stage3	-15.25	-0.02
Stage3	-15.65	-0.02
Stage3	-16.05	-0.02
Stage3	-16.45	-0.02
Stage3	-16.85	-0.02
Stage3	-17.25	-0.02
Stage3	-17.65	-0.02
Stage3	-18.05	-0.02
Stage3	-18.45	-0.02
Stage3	-18.85	-0.02
Stage3	-19.25	-0.02
Stage3	-19.65	-0.02
Stage3	-20.05	-0.02
Stage3	-20.45	-0.02
Stage3	-20.85	-0.02
Stage3	-21.25	-0.02
Stage3	-21.65	-0.02
Stage3	-22.05	-0.02
Stage3	-22.3	-0.02

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage4

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage4	15.7	-1.16	
Stage4	15.35	0.57	
Stage4	14.95	2.53	
Stage4	14.55	4.44	
Stage4	14.15	6.2	
Stage4	13.75	7.77	
Stage4	13.35	9.06	
Stage4	12.95	10.04	
Stage4	12.55	10.64	
Stage4	12.15	10.86	
Stage4	11.75	10.66	
Stage4	11.35	10.06	
Stage4	10.95	9.08	
Stage4	10.55	7.79	
Stage4	10.15	6.26	
Stage4	9.95	5.44	
Stage4	9.55	3.78	
Stage4	9.15	2.24	
Stage4	8.75	1.03	
Stage4	8.35	0.3	
Stage4	7.95	0	
Stage4	7.55	-0.06	
Stage4	7.15	-0.03	
Stage4	6.75	0.01	
Stage4	6.35	0.03	
Stage4	5.95	0.03	
Stage4	5.55	0.03	
Stage4	5.15	0.03	
Stage4	4.75	0.03	
Stage4	4.35	0.03	
Stage4	3.95	0.03	
Stage4	3.55	0.03	
Stage4	3.15	0.03	
Stage4	2.75	0.03	
Stage4	2.35	0.03	
Stage4	1.95	0.03	
Stage4	1.55	0.03	
Stage4	1.15	0.03	
Stage4	0.75	0.03	
Stage4	0.35	0.03	
Stage4	-0.05	0.03	
Stage4	-0.45	0.03	
Stage4	-0.85	0.03	
Stage4	-1.25	0.03	
Stage4	-1.45	0.03	
Stage4	-1.85	0.03	
Stage4	-2.25	0.02	
Stage4	-2.65	0.02	
Stage4	-3.05	0.02	
Stage4	-3.45	0.02	
Stage4	-3.85	0.02	
Stage4	-4.25	0.02	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage4	-4.65	0.02
Stage4	-5.05	0.02
Stage4	-5.45	0.02
Stage4	-5.85	0.02
Stage4	-6.25	0.02
Stage4	-6.45	0.02
Stage4	-6.85	0.02
Stage4	-7.25	0.02
Stage4	-7.65	0.02
Stage4	-8.05	0.02
Stage4	-8.45	0.02
Stage4	-8.85	0.02
Stage4	-9.25	0.02
Stage4	-9.65	0.02
Stage4	-10.05	0.02
Stage4	-10.45	0.02
Stage4	-10.85	0.02
Stage4	-11.25	0.02
Stage4	-11.65	0.02
Stage4	-12.05	0.02
Stage4	-12.45	0.02
Stage4	-12.85	0.02
Stage4	-13.25	0.02
Stage4	-13.65	0.02
Stage4	-14.05	0.02
Stage4	-14.45	0.02
Stage4	-14.85	0.02
Stage4	-15.25	0.02
Stage4	-15.65	0.02
Stage4	-16.05	0.02
Stage4	-16.45	0.02
Stage4	-16.85	0.02
Stage4	-17.25	0.02
Stage4	-17.65	0.02
Stage4	-18.05	0.02
Stage4	-18.45	0.02
Stage4	-18.85	0.02
Stage4	-19.25	0.02
Stage4	-19.65	0.02
Stage4	-20.05	0.02
Stage4	-20.45	0.02
Stage4	-20.85	0.02
Stage4	-21.25	0.02
Stage4	-21.65	0.02
Stage4	-22.05	0.02
Stage4	-22.3	0.02

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage4

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage4	15.7	1.16
Stage4	15.35	-0.57
Stage4	14.95	-2.53
Stage4	14.55	-4.44
Stage4	14.15	-6.2
Stage4	13.75	-7.77
Stage4	13.35	-9.06
Stage4	12.95	-10.04
Stage4	12.55	-10.64
Stage4	12.15	-10.86
Stage4	11.75	-10.66
Stage4	11.35	-10.06
Stage4	10.95	-9.08
Stage4	10.55	-7.79
Stage4	10.15	-6.26
Stage4	9.95	-5.44
Stage4	9.55	-3.78
Stage4	9.15	-2.24
Stage4	8.75	-1.03
Stage4	8.35	-0.3
Stage4	7.95	0
Stage4	7.55	0.06
Stage4	7.15	0.03
Stage4	6.75	-0.01
Stage4	6.35	-0.03
Stage4	5.95	-0.03
Stage4	5.55	-0.03
Stage4	5.15	-0.03
Stage4	4.75	-0.03
Stage4	4.35	-0.03
Stage4	3.95	-0.03
Stage4	3.55	-0.03
Stage4	3.15	-0.03
Stage4	2.75	-0.03
Stage4	2.35	-0.03
Stage4	1.95	-0.03
Stage4	1.55	-0.03
Stage4	1.15	-0.03
Stage4	0.75	-0.03
Stage4	0.35	-0.03
Stage4	-0.05	-0.03
Stage4	-0.45	-0.03
Stage4	-0.85	-0.03
Stage4	-1.25	-0.03
Stage4	-1.45	-0.03
Stage4	-1.85	-0.03
Stage4	-2.25	-0.02
Stage4	-2.65	-0.02
Stage4	-3.05	-0.02
Stage4	-3.45	-0.02
Stage4	-3.85	-0.02
Stage4	-4.25	-0.02

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage4	-4.65	-0.02
Stage4	-5.05	-0.02
Stage4	-5.45	-0.02
Stage4	-5.85	-0.02
Stage4	-6.25	-0.02
Stage4	-6.45	-0.02
Stage4	-6.85	-0.02
Stage4	-7.25	-0.02
Stage4	-7.65	-0.02
Stage4	-8.05	-0.02
Stage4	-8.45	-0.02
Stage4	-8.85	-0.02
Stage4	-9.25	-0.02
Stage4	-9.65	-0.02
Stage4	-10.05	-0.02
Stage4	-10.45	-0.02
Stage4	-10.85	-0.02
Stage4	-11.25	-0.02
Stage4	-11.65	-0.02
Stage4	-12.05	-0.02
Stage4	-12.45	-0.02
Stage4	-12.85	-0.02
Stage4	-13.25	-0.02
Stage4	-13.65	-0.02
Stage4	-14.05	-0.02
Stage4	-14.45	-0.02
Stage4	-14.85	-0.02
Stage4	-15.25	-0.02
Stage4	-15.65	-0.02
Stage4	-16.05	-0.02
Stage4	-16.45	-0.02
Stage4	-16.85	-0.02
Stage4	-17.25	-0.02
Stage4	-17.65	-0.02
Stage4	-18.05	-0.02
Stage4	-18.45	-0.02
Stage4	-18.85	-0.02
Stage4	-19.25	-0.02
Stage4	-19.65	-0.02
Stage4	-20.05	-0.02
Stage4	-20.45	-0.02
Stage4	-20.85	-0.02
Stage4	-21.25	-0.02
Stage4	-21.65	-0.02
Stage4	-22.05	-0.02
Stage4	-22.3	-0.02

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage5

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage5	15.7	-1.08	
Stage5	15.35	0.57	
Stage5	14.95	2.45	
Stage5	14.55	4.26	
Stage5	14.15	5.93	
Stage5	13.75	7.4	
Stage5	13.35	8.61	
Stage5	12.95	9.51	
Stage5	12.55	10.06	
Stage5	12.15	10.25	
Stage5	11.75	10.09	
Stage5	11.35	9.6	
Stage5	10.95	8.85	
Stage5	10.55	7.93	
Stage5	10.15	6.94	
Stage5	9.95	6.47	
Stage5	9.55	5.64	
Stage5	9.15	4.91	
Stage5	8.75	4.24	
Stage5	8.35	3.62	
Stage5	7.95	3.05	
Stage5	7.55	2.53	
Stage5	7.15	2.06	
Stage5	6.75	1.64	
Stage5	6.35	1.27	
Stage5	5.95	0.94	
Stage5	5.55	0.67	
Stage5	5.15	0.44	
Stage5	4.75	0.27	
Stage5	4.35	0.15	
Stage5	3.95	0.09	
Stage5	3.55	0.07	
Stage5	3.15	0.07	
Stage5	2.75	0.07	
Stage5	2.35	0.07	
Stage5	1.95	0.08	
Stage5	1.55	0.08	
Stage5	1.15	0.08	
Stage5	0.75	0.07	
Stage5	0.35	0.07	
Stage5	-0.05	0.07	
Stage5	-0.45	0.07	
Stage5	-0.85	0.07	
Stage5	-1.25	0.07	
Stage5	-1.45	0.07	
Stage5	-1.85	0.07	
Stage5	-2.25	0.07	
Stage5	-2.65	0.07	
Stage5	-3.05	0.07	
Stage5	-3.45	0.07	
Stage5	-3.85	0.07	
Stage5	-4.25	0.07	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage5	-4.65	0.07
Stage5	-5.05	0.07
Stage5	-5.45	0.07
Stage5	-5.85	0.07
Stage5	-6.25	0.07
Stage5	-6.45	0.07
Stage5	-6.85	0.07
Stage5	-7.25	0.07
Stage5	-7.65	0.07
Stage5	-8.05	0.07
Stage5	-8.45	0.07
Stage5	-8.85	0.07
Stage5	-9.25	0.07
Stage5	-9.65	0.07
Stage5	-10.05	0.07
Stage5	-10.45	0.07
Stage5	-10.85	0.07
Stage5	-11.25	0.07
Stage5	-11.65	0.07
Stage5	-12.05	0.07
Stage5	-12.45	0.07
Stage5	-12.85	0.06
Stage5	-13.25	0.06
Stage5	-13.65	0.06
Stage5	-14.05	0.06
Stage5	-14.45	0.06
Stage5	-14.85	0.06
Stage5	-15.25	0.06
Stage5	-15.65	0.06
Stage5	-16.05	0.06
Stage5	-16.45	0.06
Stage5	-16.85	0.06
Stage5	-17.25	0.06
Stage5	-17.65	0.06
Stage5	-18.05	0.06
Stage5	-18.45	0.06
Stage5	-18.85	0.06
Stage5	-19.25	0.06
Stage5	-19.65	0.06
Stage5	-20.05	0.06
Stage5	-20.45	0.06
Stage5	-20.85	0.06
Stage5	-21.25	0.06
Stage5	-21.65	0.06
Stage5	-22.05	0.06
Stage5	-22.3	0.06

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage5

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage5	15.7	1.08
Stage5	15.35	-0.57
Stage5	14.95	-2.45
Stage5	14.55	-4.26
Stage5	14.15	-5.93
Stage5	13.75	-7.4
Stage5	13.35	-8.61
Stage5	12.95	-9.51
Stage5	12.55	-10.06
Stage5	12.15	-10.25
Stage5	11.75	-10.09
Stage5	11.35	-9.6
Stage5	10.95	-8.85
Stage5	10.55	-7.93
Stage5	10.15	-6.94
Stage5	9.95	-6.47
Stage5	9.55	-5.64
Stage5	9.15	-4.91
Stage5	8.75	-4.24
Stage5	8.35	-3.62
Stage5	7.95	-3.05
Stage5	7.55	-2.53
Stage5	7.15	-2.06
Stage5	6.75	-1.64
Stage5	6.35	-1.27
Stage5	5.95	-0.94
Stage5	5.55	-0.67
Stage5	5.15	-0.44
Stage5	4.75	-0.27
Stage5	4.35	-0.15
Stage5	3.95	-0.09
Stage5	3.55	-0.07
Stage5	3.15	-0.07
Stage5	2.75	-0.07
Stage5	2.35	-0.07
Stage5	1.95	-0.08
Stage5	1.55	-0.08
Stage5	1.15	-0.08
Stage5	0.75	-0.07
Stage5	0.35	-0.07
Stage5	-0.05	-0.07
Stage5	-0.45	-0.07
Stage5	-0.85	-0.07
Stage5	-1.25	-0.07
Stage5	-1.45	-0.07
Stage5	-1.85	-0.07
Stage5	-2.25	-0.07
Stage5	-2.65	-0.07
Stage5	-3.05	-0.07
Stage5	-3.45	-0.07
Stage5	-3.85	-0.07
Stage5	-4.25	-0.07

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage5	-4.65	-0.07
Stage5	-5.05	-0.07
Stage5	-5.45	-0.07
Stage5	-5.85	-0.07
Stage5	-6.25	-0.07
Stage5	-6.45	-0.07
Stage5	-6.85	-0.07
Stage5	-7.25	-0.07
Stage5	-7.65	-0.07
Stage5	-8.05	-0.07
Stage5	-8.45	-0.07
Stage5	-8.85	-0.07
Stage5	-9.25	-0.07
Stage5	-9.65	-0.07
Stage5	-10.05	-0.07
Stage5	-10.45	-0.07
Stage5	-10.85	-0.07
Stage5	-11.25	-0.07
Stage5	-11.65	-0.07
Stage5	-12.05	-0.07
Stage5	-12.45	-0.07
Stage5	-12.85	-0.06
Stage5	-13.25	-0.06
Stage5	-13.65	-0.06
Stage5	-14.05	-0.06
Stage5	-14.45	-0.06
Stage5	-14.85	-0.06
Stage5	-15.25	-0.06
Stage5	-15.65	-0.06
Stage5	-16.05	-0.06
Stage5	-16.45	-0.06
Stage5	-16.85	-0.06
Stage5	-17.25	-0.06
Stage5	-17.65	-0.06
Stage5	-18.05	-0.06
Stage5	-18.45	-0.06
Stage5	-18.85	-0.06
Stage5	-19.25	-0.06
Stage5	-19.65	-0.06
Stage5	-20.05	-0.06
Stage5	-20.45	-0.06
Stage5	-20.85	-0.06
Stage5	-21.25	-0.06
Stage5	-21.65	-0.06
Stage5	-22.05	-0.06
Stage5	-22.3	-0.06

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage6

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage6	15.7	-1.08	
Stage6	15.35	0.57	
Stage6	14.95	2.45	
Stage6	14.55	4.26	
Stage6	14.15	5.93	
Stage6	13.75	7.4	
Stage6	13.35	8.61	
Stage6	12.95	9.51	
Stage6	12.55	10.06	
Stage6	12.15	10.25	
Stage6	11.75	10.09	
Stage6	11.35	9.6	
Stage6	10.95	8.85	
Stage6	10.55	7.93	
Stage6	10.15	6.94	
Stage6	9.95	6.47	
Stage6	9.55	5.64	
Stage6	9.15	4.91	
Stage6	8.75	4.24	
Stage6	8.35	3.62	
Stage6	7.95	3.05	
Stage6	7.55	2.53	
Stage6	7.15	2.06	
Stage6	6.75	1.64	
Stage6	6.35	1.27	
Stage6	5.95	0.94	
Stage6	5.55	0.67	
Stage6	5.15	0.44	
Stage6	4.75	0.27	
Stage6	4.35	0.15	
Stage6	3.95	0.09	
Stage6	3.55	0.07	
Stage6	3.15	0.07	
Stage6	2.75	0.07	
Stage6	2.35	0.07	
Stage6	1.95	0.08	
Stage6	1.55	0.08	
Stage6	1.15	0.08	
Stage6	0.75	0.07	
Stage6	0.35	0.07	
Stage6	-0.05	0.07	
Stage6	-0.45	0.07	
Stage6	-0.85	0.07	
Stage6	-1.25	0.07	
Stage6	-1.45	0.07	
Stage6	-1.85	0.07	
Stage6	-2.25	0.07	
Stage6	-2.65	0.07	
Stage6	-3.05	0.07	
Stage6	-3.45	0.07	
Stage6	-3.85	0.07	
Stage6	-4.25	0.07	

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage6	-4.65	0.07
Stage6	-5.05	0.07
Stage6	-5.45	0.07
Stage6	-5.85	0.07
Stage6	-6.25	0.07
Stage6	-6.45	0.07
Stage6	-6.85	0.07
Stage6	-7.25	0.07
Stage6	-7.65	0.07
Stage6	-8.05	0.07
Stage6	-8.45	0.07
Stage6	-8.85	0.07
Stage6	-9.25	0.07
Stage6	-9.65	0.07
Stage6	-10.05	0.07
Stage6	-10.45	0.07
Stage6	-10.85	0.07
Stage6	-11.25	0.07
Stage6	-11.65	0.07
Stage6	-12.05	0.07
Stage6	-12.45	0.07
Stage6	-12.85	0.06
Stage6	-13.25	0.06
Stage6	-13.65	0.06
Stage6	-14.05	0.06
Stage6	-14.45	0.06
Stage6	-14.85	0.06
Stage6	-15.25	0.06
Stage6	-15.65	0.06
Stage6	-16.05	0.06
Stage6	-16.45	0.06
Stage6	-16.85	0.06
Stage6	-17.25	0.06
Stage6	-17.65	0.06
Stage6	-18.05	0.06
Stage6	-18.45	0.06
Stage6	-18.85	0.06
Stage6	-19.25	0.06
Stage6	-19.65	0.06
Stage6	-20.05	0.06
Stage6	-20.45	0.06
Stage6	-20.85	0.06
Stage6	-21.25	0.06
Stage6	-21.65	0.06
Stage6	-22.05	0.06
Stage6	-22.3	0.06

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Tabella Spostamento Nominal - RIGHT Stage: Stage6

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage6	15.7	1.08
Stage6	15.35	-0.57
Stage6	14.95	-2.45
Stage6	14.55	-4.26
Stage6	14.15	-5.93
Stage6	13.75	-7.4
Stage6	13.35	-8.61
Stage6	12.95	-9.51
Stage6	12.55	-10.06
Stage6	12.15	-10.25
Stage6	11.75	-10.09
Stage6	11.35	-9.6
Stage6	10.95	-8.85
Stage6	10.55	-7.93
Stage6	10.15	-6.94
Stage6	9.95	-6.47
Stage6	9.55	-5.64
Stage6	9.15	-4.91
Stage6	8.75	-4.24
Stage6	8.35	-3.62
Stage6	7.95	-3.05
Stage6	7.55	-2.53
Stage6	7.15	-2.06
Stage6	6.75	-1.64
Stage6	6.35	-1.27
Stage6	5.95	-0.94
Stage6	5.55	-0.67
Stage6	5.15	-0.44
Stage6	4.75	-0.27
Stage6	4.35	-0.15
Stage6	3.95	-0.09
Stage6	3.55	-0.07
Stage6	3.15	-0.07
Stage6	2.75	-0.07
Stage6	2.35	-0.07
Stage6	1.95	-0.08
Stage6	1.55	-0.08
Stage6	1.15	-0.08
Stage6	0.75	-0.07
Stage6	0.35	-0.07
Stage6	-0.05	-0.07
Stage6	-0.45	-0.07
Stage6	-0.85	-0.07
Stage6	-1.25	-0.07
Stage6	-1.45	-0.07
Stage6	-1.85	-0.07
Stage6	-2.25	-0.07
Stage6	-2.65	-0.07
Stage6	-3.05	-0.07
Stage6	-3.45	-0.07
Stage6	-3.85	-0.07
Stage6	-4.25	-0.07

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage6	-4.65	-0.07
Stage6	-5.05	-0.07
Stage6	-5.45	-0.07
Stage6	-5.85	-0.07
Stage6	-6.25	-0.07
Stage6	-6.45	-0.07
Stage6	-6.85	-0.07
Stage6	-7.25	-0.07
Stage6	-7.65	-0.07
Stage6	-8.05	-0.07
Stage6	-8.45	-0.07
Stage6	-8.85	-0.07
Stage6	-9.25	-0.07
Stage6	-9.65	-0.07
Stage6	-10.05	-0.07
Stage6	-10.45	-0.07
Stage6	-10.85	-0.07
Stage6	-11.25	-0.07
Stage6	-11.65	-0.07
Stage6	-12.05	-0.07
Stage6	-12.45	-0.07
Stage6	-12.85	-0.06
Stage6	-13.25	-0.06
Stage6	-13.65	-0.06
Stage6	-14.05	-0.06
Stage6	-14.45	-0.06
Stage6	-14.85	-0.06
Stage6	-15.25	-0.06
Stage6	-15.65	-0.06
Stage6	-16.05	-0.06
Stage6	-16.45	-0.06
Stage6	-16.85	-0.06
Stage6	-17.25	-0.06
Stage6	-17.65	-0.06
Stage6	-18.05	-0.06
Stage6	-18.45	-0.06
Stage6	-18.85	-0.06
Stage6	-19.25	-0.06
Stage6	-19.65	-0.06
Stage6	-20.05	-0.06
Stage6	-20.45	-0.06
Stage6	-20.85	-0.06
Stage6	-21.25	-0.06
Stage6	-21.65	-0.06
Stage6	-22.05	-0.06
Stage6	-22.3	-0.06

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage7

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage7	15.7	-1.08	
Stage7	15.35	0.57	
Stage7	14.95	2.45	
Stage7	14.55	4.26	
Stage7	14.15	5.93	
Stage7	13.75	7.4	
Stage7	13.35	8.61	
Stage7	12.95	9.51	
Stage7	12.55	10.06	
Stage7	12.15	10.25	
Stage7	11.75	10.09	
Stage7	11.35	9.6	
Stage7	10.95	8.85	
Stage7	10.55	7.93	
Stage7	10.15	6.94	
Stage7	9.95	6.47	
Stage7	9.55	5.65	
Stage7	9.15	4.92	
Stage7	8.75	4.24	
Stage7	8.35	3.62	
Stage7	7.95	3.05	
Stage7	7.55	2.53	
Stage7	7.15	2.05	
Stage7	6.75	1.63	
Stage7	6.35	1.26	
Stage7	5.95	0.95	
Stage7	5.55	0.69	
Stage7	5.15	0.5	
Stage7	4.75	0.36	
Stage7	4.35	0.28	
Stage7	3.95	0.24	
Stage7	3.55	0.22	
Stage7	3.15	0.23	
Stage7	2.75	0.24	
Stage7	2.35	0.26	
Stage7	1.95	0.29	
Stage7	1.55	0.31	
Stage7	1.15	0.34	
Stage7	0.75	0.36	
Stage7	0.35	0.38	
Stage7	-0.05	0.39	
Stage7	-0.45	0.39	
Stage7	-0.85	0.39	
Stage7	-1.25	0.37	
Stage7	-1.45	0.36	
Stage7	-1.85	0.32	
Stage7	-2.25	0.27	
Stage7	-2.65	0.23	
Stage7	-3.05	0.21	
Stage7	-3.45	0.2	
Stage7	-3.85	0.19	
Stage7	-4.25	0.19	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage7	-4.65	0.19
Stage7	-5.05	0.19
Stage7	-5.45	0.19
Stage7	-5.85	0.19
Stage7	-6.25	0.19
Stage7	-6.45	0.18
Stage7	-6.85	0.18
Stage7	-7.25	0.18
Stage7	-7.65	0.18
Stage7	-8.05	0.18
Stage7	-8.45	0.18
Stage7	-8.85	0.18
Stage7	-9.25	0.18
Stage7	-9.65	0.18
Stage7	-10.05	0.17
Stage7	-10.45	0.17
Stage7	-10.85	0.17
Stage7	-11.25	0.17
Stage7	-11.65	0.17
Stage7	-12.05	0.17
Stage7	-12.45	0.17
Stage7	-12.85	0.17
Stage7	-13.25	0.17
Stage7	-13.65	0.17
Stage7	-14.05	0.17
Stage7	-14.45	0.17
Stage7	-14.85	0.17
Stage7	-15.25	0.17
Stage7	-15.65	0.17
Stage7	-16.05	0.16
Stage7	-16.45	0.16
Stage7	-16.85	0.16
Stage7	-17.25	0.16
Stage7	-17.65	0.16
Stage7	-18.05	0.16
Stage7	-18.45	0.16
Stage7	-18.85	0.16
Stage7	-19.25	0.16
Stage7	-19.65	0.16
Stage7	-20.05	0.16
Stage7	-20.45	0.16
Stage7	-20.85	0.16
Stage7	-21.25	0.16
Stage7	-21.65	0.16
Stage7	-22.05	0.16
Stage7	-22.3	0.16

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage7

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage7	15.7	1.08
Stage7	15.35	-0.57
Stage7	14.95	-2.45
Stage7	14.55	-4.26
Stage7	14.15	-5.93
Stage7	13.75	-7.4
Stage7	13.35	-8.61
Stage7	12.95	-9.51
Stage7	12.55	-10.06
Stage7	12.15	-10.25
Stage7	11.75	-10.09
Stage7	11.35	-9.6
Stage7	10.95	-8.85
Stage7	10.55	-7.93
Stage7	10.15	-6.94
Stage7	9.95	-6.47
Stage7	9.55	-5.65
Stage7	9.15	-4.92
Stage7	8.75	-4.24
Stage7	8.35	-3.62
Stage7	7.95	-3.05
Stage7	7.55	-2.53
Stage7	7.15	-2.05
Stage7	6.75	-1.63
Stage7	6.35	-1.26
Stage7	5.95	-0.95
Stage7	5.55	-0.69
Stage7	5.15	-0.5
Stage7	4.75	-0.36
Stage7	4.35	-0.28
Stage7	3.95	-0.24
Stage7	3.55	-0.22
Stage7	3.15	-0.23
Stage7	2.75	-0.24
Stage7	2.35	-0.26
Stage7	1.95	-0.29
Stage7	1.55	-0.31
Stage7	1.15	-0.34
Stage7	0.75	-0.36
Stage7	0.35	-0.38
Stage7	-0.05	-0.39
Stage7	-0.45	-0.39
Stage7	-0.85	-0.39
Stage7	-1.25	-0.37
Stage7	-1.45	-0.36
Stage7	-1.85	-0.32
Stage7	-2.25	-0.27
Stage7	-2.65	-0.23
Stage7	-3.05	-0.21
Stage7	-3.45	-0.2
Stage7	-3.85	-0.19
Stage7	-4.25	-0.19

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage7	-4.65	-0.19
Stage7	-5.05	-0.19
Stage7	-5.45	-0.19
Stage7	-5.85	-0.19
Stage7	-6.25	-0.19
Stage7	-6.45	-0.18
Stage7	-6.85	-0.18
Stage7	-7.25	-0.18
Stage7	-7.65	-0.18
Stage7	-8.05	-0.18
Stage7	-8.45	-0.18
Stage7	-8.85	-0.18
Stage7	-9.25	-0.18
Stage7	-9.65	-0.18
Stage7	-10.05	-0.17
Stage7	-10.45	-0.17
Stage7	-10.85	-0.17
Stage7	-11.25	-0.17
Stage7	-11.65	-0.17
Stage7	-12.05	-0.17
Stage7	-12.45	-0.17
Stage7	-12.85	-0.17
Stage7	-13.25	-0.17
Stage7	-13.65	-0.17
Stage7	-14.05	-0.17
Stage7	-14.45	-0.17
Stage7	-14.85	-0.17
Stage7	-15.25	-0.17
Stage7	-15.65	-0.17
Stage7	-16.05	-0.16
Stage7	-16.45	-0.16
Stage7	-16.85	-0.16
Stage7	-17.25	-0.16
Stage7	-17.65	-0.16
Stage7	-18.05	-0.16
Stage7	-18.45	-0.16
Stage7	-18.85	-0.16
Stage7	-19.25	-0.16
Stage7	-19.65	-0.16
Stage7	-20.05	-0.16
Stage7	-20.45	-0.16
Stage7	-20.85	-0.16
Stage7	-21.25	-0.16
Stage7	-21.65	-0.16
Stage7	-22.05	-0.16
Stage7	-22.3	-0.16

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage8

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage8	15.7	-1.08	
Stage8	15.35	0.57	
Stage8	14.95	2.45	
Stage8	14.55	4.26	
Stage8	14.15	5.93	
Stage8	13.75	7.4	
Stage8	13.35	8.61	
Stage8	12.95	9.51	
Stage8	12.55	10.06	
Stage8	12.15	10.25	
Stage8	11.75	10.09	
Stage8	11.35	9.6	
Stage8	10.95	8.85	
Stage8	10.55	7.93	
Stage8	10.15	6.94	
Stage8	9.95	6.47	
Stage8	9.55	5.65	
Stage8	9.15	4.92	
Stage8	8.75	4.24	
Stage8	8.35	3.62	
Stage8	7.95	3.05	
Stage8	7.55	2.53	
Stage8	7.15	2.05	
Stage8	6.75	1.63	
Stage8	6.35	1.26	
Stage8	5.95	0.95	
Stage8	5.55	0.69	
Stage8	5.15	0.5	
Stage8	4.75	0.36	
Stage8	4.35	0.28	
Stage8	3.95	0.24	
Stage8	3.55	0.22	
Stage8	3.15	0.23	
Stage8	2.75	0.24	
Stage8	2.35	0.26	
Stage8	1.95	0.29	
Stage8	1.55	0.31	
Stage8	1.15	0.34	
Stage8	0.75	0.36	
Stage8	0.35	0.38	
Stage8	-0.05	0.39	
Stage8	-0.45	0.39	
Stage8	-0.85	0.39	
Stage8	-1.25	0.37	
Stage8	-1.45	0.36	
Stage8	-1.85	0.32	
Stage8	-2.25	0.27	
Stage8	-2.65	0.23	
Stage8	-3.05	0.21	
Stage8	-3.45	0.2	
Stage8	-3.85	0.19	
Stage8	-4.25	0.19	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage8	-4.65	0.19
Stage8	-5.05	0.19
Stage8	-5.45	0.19
Stage8	-5.85	0.19
Stage8	-6.25	0.19
Stage8	-6.45	0.18
Stage8	-6.85	0.18
Stage8	-7.25	0.18
Stage8	-7.65	0.18
Stage8	-8.05	0.18
Stage8	-8.45	0.18
Stage8	-8.85	0.18
Stage8	-9.25	0.18
Stage8	-9.65	0.18
Stage8	-10.05	0.17
Stage8	-10.45	0.17
Stage8	-10.85	0.17
Stage8	-11.25	0.17
Stage8	-11.65	0.17
Stage8	-12.05	0.17
Stage8	-12.45	0.17
Stage8	-12.85	0.17
Stage8	-13.25	0.17
Stage8	-13.65	0.17
Stage8	-14.05	0.17
Stage8	-14.45	0.17
Stage8	-14.85	0.17
Stage8	-15.25	0.17
Stage8	-15.65	0.17
Stage8	-16.05	0.16
Stage8	-16.45	0.16
Stage8	-16.85	0.16
Stage8	-17.25	0.16
Stage8	-17.65	0.16
Stage8	-18.05	0.16
Stage8	-18.45	0.16
Stage8	-18.85	0.16
Stage8	-19.25	0.16
Stage8	-19.65	0.16
Stage8	-20.05	0.16
Stage8	-20.45	0.16
Stage8	-20.85	0.16
Stage8	-21.25	0.16
Stage8	-21.65	0.16
Stage8	-22.05	0.16
Stage8	-22.3	0.16

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - RIGHT Stage: Stage8

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage8	15.7	1.08
Stage8	15.35	-0.57
Stage8	14.95	-2.45
Stage8	14.55	-4.26
Stage8	14.15	-5.93
Stage8	13.75	-7.4
Stage8	13.35	-8.61
Stage8	12.95	-9.51
Stage8	12.55	-10.06
Stage8	12.15	-10.25
Stage8	11.75	-10.09
Stage8	11.35	-9.6
Stage8	10.95	-8.85
Stage8	10.55	-7.93
Stage8	10.15	-6.94
Stage8	9.95	-6.47
Stage8	9.55	-5.65
Stage8	9.15	-4.92
Stage8	8.75	-4.24
Stage8	8.35	-3.62
Stage8	7.95	-3.05
Stage8	7.55	-2.53
Stage8	7.15	-2.05
Stage8	6.75	-1.63
Stage8	6.35	-1.26
Stage8	5.95	-0.95
Stage8	5.55	-0.69
Stage8	5.15	-0.5
Stage8	4.75	-0.36
Stage8	4.35	-0.28
Stage8	3.95	-0.24
Stage8	3.55	-0.22
Stage8	3.15	-0.23
Stage8	2.75	-0.24
Stage8	2.35	-0.26
Stage8	1.95	-0.29
Stage8	1.55	-0.31
Stage8	1.15	-0.34
Stage8	0.75	-0.36
Stage8	0.35	-0.38
Stage8	-0.05	-0.39
Stage8	-0.45	-0.39
Stage8	-0.85	-0.39
Stage8	-1.25	-0.37
Stage8	-1.45	-0.36
Stage8	-1.85	-0.32
Stage8	-2.25	-0.27
Stage8	-2.65	-0.23
Stage8	-3.05	-0.21
Stage8	-3.45	-0.2
Stage8	-3.85	-0.19
Stage8	-4.25	-0.19

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage8	-4.65	-0.19
Stage8	-5.05	-0.19
Stage8	-5.45	-0.19
Stage8	-5.85	-0.19
Stage8	-6.25	-0.19
Stage8	-6.45	-0.18
Stage8	-6.85	-0.18
Stage8	-7.25	-0.18
Stage8	-7.65	-0.18
Stage8	-8.05	-0.18
Stage8	-8.45	-0.18
Stage8	-8.85	-0.18
Stage8	-9.25	-0.18
Stage8	-9.65	-0.18
Stage8	-10.05	-0.17
Stage8	-10.45	-0.17
Stage8	-10.85	-0.17
Stage8	-11.25	-0.17
Stage8	-11.65	-0.17
Stage8	-12.05	-0.17
Stage8	-12.45	-0.17
Stage8	-12.85	-0.17
Stage8	-13.25	-0.17
Stage8	-13.65	-0.17
Stage8	-14.05	-0.17
Stage8	-14.45	-0.17
Stage8	-14.85	-0.17
Stage8	-15.25	-0.17
Stage8	-15.65	-0.17
Stage8	-16.05	-0.16
Stage8	-16.45	-0.16
Stage8	-16.85	-0.16
Stage8	-17.25	-0.16
Stage8	-17.65	-0.16
Stage8	-18.05	-0.16
Stage8	-18.45	-0.16
Stage8	-18.85	-0.16
Stage8	-19.25	-0.16
Stage8	-19.65	-0.16
Stage8	-20.05	-0.16
Stage8	-20.45	-0.16
Stage8	-20.85	-0.16
Stage8	-21.25	-0.16
Stage8	-21.65	-0.16
Stage8	-22.05	-0.16
Stage8	-22.3	-0.16

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - LEFT Stage: Stage9

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage9	15.7	-1.08	
Stage9	15.35	0.57	
Stage9	14.95	2.45	
Stage9	14.55	4.26	
Stage9	14.15	5.93	
Stage9	13.75	7.4	
Stage9	13.35	8.61	
Stage9	12.95	9.51	
Stage9	12.55	10.06	
Stage9	12.15	10.25	
Stage9	11.75	10.09	
Stage9	11.35	9.6	
Stage9	10.95	8.85	
Stage9	10.55	7.93	
Stage9	10.15	6.94	
Stage9	9.95	6.47	
Stage9	9.55	5.65	
Stage9	9.15	4.92	
Stage9	8.75	4.24	
Stage9	8.35	3.62	
Stage9	7.95	3.05	
Stage9	7.55	2.53	
Stage9	7.15	2.05	
Stage9	6.75	1.63	
Stage9	6.35	1.26	
Stage9	5.95	0.95	
Stage9	5.55	0.69	
Stage9	5.15	0.5	
Stage9	4.75	0.36	
Stage9	4.35	0.28	
Stage9	3.95	0.24	
Stage9	3.55	0.22	
Stage9	3.15	0.23	
Stage9	2.75	0.24	
Stage9	2.35	0.26	
Stage9	1.95	0.29	
Stage9	1.55	0.31	
Stage9	1.15	0.34	
Stage9	0.75	0.36	
Stage9	0.35	0.37	
Stage9	-0.05	0.38	
Stage9	-0.45	0.38	
Stage9	-0.85	0.38	
Stage9	-1.25	0.38	
Stage9	-1.45	0.39	
Stage9	-1.85	0.4	
Stage9	-2.25	0.42	
Stage9	-2.65	0.44	
Stage9	-3.05	0.47	
Stage9	-3.45	0.49	
Stage9	-3.85	0.52	
Stage9	-4.25	0.54	

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage9	-4.65	0.56
Stage9	-5.05	0.57
Stage9	-5.45	0.57
Stage9	-5.85	0.55
Stage9	-6.25	0.52
Stage9	-6.45	0.5
Stage9	-6.85	0.45
Stage9	-7.25	0.38
Stage9	-7.65	0.33
Stage9	-8.05	0.3
Stage9	-8.45	0.29
Stage9	-8.85	0.28
Stage9	-9.25	0.28
Stage9	-9.65	0.28
Stage9	-10.05	0.28
Stage9	-10.45	0.27
Stage9	-10.85	0.27
Stage9	-11.25	0.27
Stage9	-11.65	0.27
Stage9	-12.05	0.27
Stage9	-12.45	0.26
Stage9	-12.85	0.26
Stage9	-13.25	0.26
Stage9	-13.65	0.26
Stage9	-14.05	0.26
Stage9	-14.45	0.26
Stage9	-14.85	0.26
Stage9	-15.25	0.25
Stage9	-15.65	0.25
Stage9	-16.05	0.25
Stage9	-16.45	0.25
Stage9	-16.85	0.25
Stage9	-17.25	0.25
Stage9	-17.65	0.25
Stage9	-18.05	0.25
Stage9	-18.45	0.25
Stage9	-18.85	0.24
Stage9	-19.25	0.24
Stage9	-19.65	0.24
Stage9	-20.05	0.24
Stage9	-20.45	0.24
Stage9	-20.85	0.24
Stage9	-21.25	0.24
Stage9	-21.65	0.24
Stage9	-22.05	0.24
Stage9	-22.3	0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

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Tabella Spostamento Nominal - RIGHT Stage: Stage9

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage9	15.7	1.08
Stage9	15.35	-0.57
Stage9	14.95	-2.45
Stage9	14.55	-4.26
Stage9	14.15	-5.93
Stage9	13.75	-7.4
Stage9	13.35	-8.61
Stage9	12.95	-9.51
Stage9	12.55	-10.06
Stage9	12.15	-10.25
Stage9	11.75	-10.09
Stage9	11.35	-9.6
Stage9	10.95	-8.85
Stage9	10.55	-7.93
Stage9	10.15	-6.94
Stage9	9.95	-6.47
Stage9	9.55	-5.65
Stage9	9.15	-4.92
Stage9	8.75	-4.24
Stage9	8.35	-3.62
Stage9	7.95	-3.05
Stage9	7.55	-2.53
Stage9	7.15	-2.05
Stage9	6.75	-1.63
Stage9	6.35	-1.26
Stage9	5.95	-0.95
Stage9	5.55	-0.69
Stage9	5.15	-0.5
Stage9	4.75	-0.36
Stage9	4.35	-0.28
Stage9	3.95	-0.24
Stage9	3.55	-0.22
Stage9	3.15	-0.23
Stage9	2.75	-0.24
Stage9	2.35	-0.26
Stage9	1.95	-0.29
Stage9	1.55	-0.31
Stage9	1.15	-0.34
Stage9	0.75	-0.36
Stage9	0.35	-0.37
Stage9	-0.05	-0.38
Stage9	-0.45	-0.38
Stage9	-0.85	-0.38
Stage9	-1.25	-0.38
Stage9	-1.45	-0.39
Stage9	-1.85	-0.4
Stage9	-2.25	-0.42
Stage9	-2.65	-0.44
Stage9	-3.05	-0.47
Stage9	-3.45	-0.49
Stage9	-3.85	-0.52
Stage9	-4.25	-0.54

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage9	-4.65	-0.56
Stage9	-5.05	-0.57
Stage9	-5.45	-0.57
Stage9	-5.85	-0.55
Stage9	-6.25	-0.52
Stage9	-6.45	-0.5
Stage9	-6.85	-0.45
Stage9	-7.25	-0.38
Stage9	-7.65	-0.33
Stage9	-8.05	-0.3
Stage9	-8.45	-0.29
Stage9	-8.85	-0.28
Stage9	-9.25	-0.28
Stage9	-9.65	-0.28
Stage9	-10.05	-0.28
Stage9	-10.45	-0.27
Stage9	-10.85	-0.27
Stage9	-11.25	-0.27
Stage9	-11.65	-0.27
Stage9	-12.05	-0.27
Stage9	-12.45	-0.26
Stage9	-12.85	-0.26
Stage9	-13.25	-0.26
Stage9	-13.65	-0.26
Stage9	-14.05	-0.26
Stage9	-14.45	-0.26
Stage9	-14.85	-0.26
Stage9	-15.25	-0.25
Stage9	-15.65	-0.25
Stage9	-16.05	-0.25
Stage9	-16.45	-0.25
Stage9	-16.85	-0.25
Stage9	-17.25	-0.25
Stage9	-17.65	-0.25
Stage9	-18.05	-0.25
Stage9	-18.45	-0.25
Stage9	-18.85	-0.24
Stage9	-19.25	-0.24
Stage9	-19.65	-0.24
Stage9	-20.05	-0.24
Stage9	-20.45	-0.24
Stage9	-20.85	-0.24
Stage9	-21.25	-0.24
Stage9	-21.65	-0.24
Stage9	-22.05	-0.24
Stage9	-22.3	-0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage10

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage10	15.7	-1.08	
Stage10	15.35	0.57	
Stage10	14.95	2.45	
Stage10	14.55	4.26	
Stage10	14.15	5.93	
Stage10	13.75	7.4	
Stage10	13.35	8.61	
Stage10	12.95	9.51	
Stage10	12.55	10.06	
Stage10	12.15	10.25	
Stage10	11.75	10.09	
Stage10	11.35	9.6	
Stage10	10.95	8.85	
Stage10	10.55	7.93	
Stage10	10.15	6.94	
Stage10	9.95	6.47	
Stage10	9.55	5.65	
Stage10	9.15	4.92	
Stage10	8.75	4.24	
Stage10	8.35	3.62	
Stage10	7.95	3.05	
Stage10	7.55	2.53	
Stage10	7.15	2.05	
Stage10	6.75	1.63	
Stage10	6.35	1.26	
Stage10	5.95	0.95	
Stage10	5.55	0.69	
Stage10	5.15	0.5	
Stage10	4.75	0.36	
Stage10	4.35	0.28	
Stage10	3.95	0.24	
Stage10	3.55	0.22	
Stage10	3.15	0.23	
Stage10	2.75	0.24	
Stage10	2.35	0.26	
Stage10	1.95	0.29	
Stage10	1.55	0.31	
Stage10	1.15	0.34	
Stage10	0.75	0.36	
Stage10	0.35	0.37	
Stage10	-0.05	0.38	
Stage10	-0.45	0.38	
Stage10	-0.85	0.38	
Stage10	-1.25	0.38	
Stage10	-1.45	0.39	
Stage10	-1.85	0.4	
Stage10	-2.25	0.42	
Stage10	-2.65	0.44	
Stage10	-3.05	0.47	
Stage10	-3.45	0.49	
Stage10	-3.85	0.52	
Stage10	-4.25	0.54	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage10	-4.65	0.56
Stage10	-5.05	0.57
Stage10	-5.45	0.57
Stage10	-5.85	0.55
Stage10	-6.25	0.52
Stage10	-6.45	0.5
Stage10	-6.85	0.45
Stage10	-7.25	0.38
Stage10	-7.65	0.33
Stage10	-8.05	0.3
Stage10	-8.45	0.29
Stage10	-8.85	0.28
Stage10	-9.25	0.28
Stage10	-9.65	0.28
Stage10	-10.05	0.28
Stage10	-10.45	0.27
Stage10	-10.85	0.27
Stage10	-11.25	0.27
Stage10	-11.65	0.27
Stage10	-12.05	0.27
Stage10	-12.45	0.26
Stage10	-12.85	0.26
Stage10	-13.25	0.26
Stage10	-13.65	0.26
Stage10	-14.05	0.26
Stage10	-14.45	0.26
Stage10	-14.85	0.26
Stage10	-15.25	0.25
Stage10	-15.65	0.25
Stage10	-16.05	0.25
Stage10	-16.45	0.25
Stage10	-16.85	0.25
Stage10	-17.25	0.25
Stage10	-17.65	0.25
Stage10	-18.05	0.25
Stage10	-18.45	0.25
Stage10	-18.85	0.24
Stage10	-19.25	0.24
Stage10	-19.65	0.24
Stage10	-20.05	0.24
Stage10	-20.45	0.24
Stage10	-20.85	0.24
Stage10	-21.25	0.24
Stage10	-21.65	0.24
Stage10	-22.05	0.24
Stage10	-22.3	0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage10

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage10	15.7	1.08
Stage10	15.35	-0.57
Stage10	14.95	-2.45
Stage10	14.55	-4.26
Stage10	14.15	-5.93
Stage10	13.75	-7.4
Stage10	13.35	-8.61
Stage10	12.95	-9.51
Stage10	12.55	-10.06
Stage10	12.15	-10.25
Stage10	11.75	-10.09
Stage10	11.35	-9.6
Stage10	10.95	-8.85
Stage10	10.55	-7.93
Stage10	10.15	-6.94
Stage10	9.95	-6.47
Stage10	9.55	-5.65
Stage10	9.15	-4.92
Stage10	8.75	-4.24
Stage10	8.35	-3.62
Stage10	7.95	-3.05
Stage10	7.55	-2.53
Stage10	7.15	-2.05
Stage10	6.75	-1.63
Stage10	6.35	-1.26
Stage10	5.95	-0.95
Stage10	5.55	-0.69
Stage10	5.15	-0.5
Stage10	4.75	-0.36
Stage10	4.35	-0.28
Stage10	3.95	-0.24
Stage10	3.55	-0.22
Stage10	3.15	-0.23
Stage10	2.75	-0.24
Stage10	2.35	-0.26
Stage10	1.95	-0.29
Stage10	1.55	-0.31
Stage10	1.15	-0.34
Stage10	0.75	-0.36
Stage10	0.35	-0.37
Stage10	-0.05	-0.38
Stage10	-0.45	-0.38
Stage10	-0.85	-0.38
Stage10	-1.25	-0.38
Stage10	-1.45	-0.39
Stage10	-1.85	-0.4
Stage10	-2.25	-0.42
Stage10	-2.65	-0.44
Stage10	-3.05	-0.47
Stage10	-3.45	-0.49
Stage10	-3.85	-0.52
Stage10	-4.25	-0.54

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage10	-4.65	-0.56
Stage10	-5.05	-0.57
Stage10	-5.45	-0.57
Stage10	-5.85	-0.55
Stage10	-6.25	-0.52
Stage10	-6.45	-0.5
Stage10	-6.85	-0.45
Stage10	-7.25	-0.38
Stage10	-7.65	-0.33
Stage10	-8.05	-0.3
Stage10	-8.45	-0.29
Stage10	-8.85	-0.28
Stage10	-9.25	-0.28
Stage10	-9.65	-0.28
Stage10	-10.05	-0.28
Stage10	-10.45	-0.27
Stage10	-10.85	-0.27
Stage10	-11.25	-0.27
Stage10	-11.65	-0.27
Stage10	-12.05	-0.27
Stage10	-12.45	-0.26
Stage10	-12.85	-0.26
Stage10	-13.25	-0.26
Stage10	-13.65	-0.26
Stage10	-14.05	-0.26
Stage10	-14.45	-0.26
Stage10	-14.85	-0.26
Stage10	-15.25	-0.25
Stage10	-15.65	-0.25
Stage10	-16.05	-0.25
Stage10	-16.45	-0.25
Stage10	-16.85	-0.25
Stage10	-17.25	-0.25
Stage10	-17.65	-0.25
Stage10	-18.05	-0.25
Stage10	-18.45	-0.25
Stage10	-18.85	-0.24
Stage10	-19.25	-0.24
Stage10	-19.65	-0.24
Stage10	-20.05	-0.24
Stage10	-20.45	-0.24
Stage10	-20.85	-0.24
Stage10	-21.25	-0.24
Stage10	-21.65	-0.24
Stage10	-22.05	-0.24
Stage10	-22.3	-0.24

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Stage11

Design Assumption: Nominal Tipo Risultato: Spostamento			Muro: LEFT
Stage	Z (m)	Spostamento (mm)	
Stage11	15.7	-1.08	
Stage11	15.35	0.57	
Stage11	14.95	2.45	
Stage11	14.55	4.26	
Stage11	14.15	5.93	
Stage11	13.75	7.4	
Stage11	13.35	8.61	
Stage11	12.95	9.51	
Stage11	12.55	10.06	
Stage11	12.15	10.25	
Stage11	11.75	10.09	
Stage11	11.35	9.6	
Stage11	10.95	8.85	
Stage11	10.55	7.93	
Stage11	10.15	6.94	
Stage11	9.95	6.47	
Stage11	9.55	5.65	
Stage11	9.15	4.92	
Stage11	8.75	4.24	
Stage11	8.35	3.62	
Stage11	7.95	3.05	
Stage11	7.55	2.53	
Stage11	7.15	2.05	
Stage11	6.75	1.63	
Stage11	6.35	1.26	
Stage11	5.95	0.95	
Stage11	5.55	0.69	
Stage11	5.15	0.5	
Stage11	4.75	0.36	
Stage11	4.35	0.28	
Stage11	3.95	0.24	
Stage11	3.55	0.22	
Stage11	3.15	0.23	
Stage11	2.75	0.24	
Stage11	2.35	0.26	
Stage11	1.95	0.29	
Stage11	1.55	0.31	
Stage11	1.15	0.34	
Stage11	0.75	0.36	
Stage11	0.35	0.37	
Stage11	-0.05	0.38	
Stage11	-0.45	0.38	
Stage11	-0.85	0.38	
Stage11	-1.25	0.38	
Stage11	-1.45	0.39	
Stage11	-1.85	0.4	
Stage11	-2.25	0.42	
Stage11	-2.65	0.44	
Stage11	-3.05	0.47	
Stage11	-3.45	0.5	
Stage11	-3.85	0.52	
Stage11	-4.25	0.54	

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Stage11	-4.65	0.55
Stage11	-5.05	0.56
Stage11	-5.45	0.55
Stage11	-5.85	0.55
Stage11	-6.25	0.54
Stage11	-6.45	0.54
Stage11	-6.85	0.55
Stage11	-7.25	0.56
Stage11	-7.65	0.59
Stage11	-8.05	0.62
Stage11	-8.45	0.65
Stage11	-8.85	0.68
Stage11	-9.25	0.7
Stage11	-9.65	0.72
Stage11	-10.05	0.73
Stage11	-10.45	0.73
Stage11	-10.85	0.72
Stage11	-11.25	0.69
Stage11	-11.65	0.64
Stage11	-12.05	0.56
Stage11	-12.45	0.48
Stage11	-12.85	0.42
Stage11	-13.25	0.38
Stage11	-13.65	0.37
Stage11	-14.05	0.36
Stage11	-14.45	0.36
Stage11	-14.85	0.36
Stage11	-15.25	0.35
Stage11	-15.65	0.35
Stage11	-16.05	0.35
Stage11	-16.45	0.35
Stage11	-16.85	0.34
Stage11	-17.25	0.34
Stage11	-17.65	0.34
Stage11	-18.05	0.34
Stage11	-18.45	0.33
Stage11	-18.85	0.33
Stage11	-19.25	0.33
Stage11	-19.65	0.33
Stage11	-20.05	0.33
Stage11	-20.45	0.33
Stage11	-20.85	0.32
Stage11	-21.25	0.32
Stage11	-21.65	0.32
Stage11	-22.05	0.32
Stage11	-22.3	0.32

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Tabella Spostamento Nominal - RIGHT Stage: Stage11

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Stage11	15.7	1.08
Stage11	15.35	-0.57
Stage11	14.95	-2.45
Stage11	14.55	-4.26
Stage11	14.15	-5.93
Stage11	13.75	-7.4
Stage11	13.35	-8.61
Stage11	12.95	-9.51
Stage11	12.55	-10.06
Stage11	12.15	-10.25
Stage11	11.75	-10.09
Stage11	11.35	-9.6
Stage11	10.95	-8.85
Stage11	10.55	-7.93
Stage11	10.15	-6.94
Stage11	9.95	-6.47
Stage11	9.55	-5.65
Stage11	9.15	-4.92
Stage11	8.75	-4.24
Stage11	8.35	-3.62
Stage11	7.95	-3.05
Stage11	7.55	-2.53
Stage11	7.15	-2.05
Stage11	6.75	-1.63
Stage11	6.35	-1.26
Stage11	5.95	-0.95
Stage11	5.55	-0.69
Stage11	5.15	-0.5
Stage11	4.75	-0.36
Stage11	4.35	-0.28
Stage11	3.95	-0.24
Stage11	3.55	-0.22
Stage11	3.15	-0.23
Stage11	2.75	-0.24
Stage11	2.35	-0.26
Stage11	1.95	-0.29
Stage11	1.55	-0.31
Stage11	1.15	-0.34
Stage11	0.75	-0.36
Stage11	0.35	-0.37
Stage11	-0.05	-0.38
Stage11	-0.45	-0.38
Stage11	-0.85	-0.38
Stage11	-1.25	-0.38
Stage11	-1.45	-0.39
Stage11	-1.85	-0.4
Stage11	-2.25	-0.42
Stage11	-2.65	-0.44
Stage11	-3.05	-0.47
Stage11	-3.45	-0.5
Stage11	-3.85	-0.52
Stage11	-4.25	-0.54

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POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

Stage	Z (m)	Spostamento (mm)
Stage11	-4.65	-0.55
Stage11	-5.05	-0.56
Stage11	-5.45	-0.55
Stage11	-5.85	-0.55
Stage11	-6.25	-0.54
Stage11	-6.45	-0.54
Stage11	-6.85	-0.55
Stage11	-7.25	-0.56
Stage11	-7.65	-0.59
Stage11	-8.05	-0.62
Stage11	-8.45	-0.65
Stage11	-8.85	-0.68
Stage11	-9.25	-0.7
Stage11	-9.65	-0.72
Stage11	-10.05	-0.73
Stage11	-10.45	-0.73
Stage11	-10.85	-0.72
Stage11	-11.25	-0.69
Stage11	-11.65	-0.64
Stage11	-12.05	-0.56
Stage11	-12.45	-0.48
Stage11	-12.85	-0.42
Stage11	-13.25	-0.38
Stage11	-13.65	-0.37
Stage11	-14.05	-0.36
Stage11	-14.45	-0.36
Stage11	-14.85	-0.36
Stage11	-15.25	-0.35
Stage11	-15.65	-0.35
Stage11	-16.05	-0.35
Stage11	-16.45	-0.35
Stage11	-16.85	-0.34
Stage11	-17.25	-0.34
Stage11	-17.65	-0.34
Stage11	-18.05	-0.34
Stage11	-18.45	-0.33
Stage11	-18.85	-0.33
Stage11	-19.25	-0.33
Stage11	-19.65	-0.33
Stage11	-20.05	-0.33
Stage11	-20.45	-0.33
Stage11	-20.85	-0.32
Stage11	-21.25	-0.32
Stage11	-21.65	-0.32
Stage11	-22.05	-0.32
Stage11	-22.3	-0.32

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Spostamento Nominal - LEFT Stage: Scavo NORM.

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT		
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	15.7	-1.08
Scavo NORM.	15.35	0.57
Scavo NORM.	14.95	2.45
Scavo NORM.	14.55	4.26
Scavo NORM.	14.15	5.93
Scavo NORM.	13.75	7.4
Scavo NORM.	13.35	8.61
Scavo NORM.	12.95	9.51
Scavo NORM.	12.55	10.06
Scavo NORM.	12.15	10.25
Scavo NORM.	11.75	10.09
Scavo NORM.	11.35	9.6
Scavo NORM.	10.95	8.85
Scavo NORM.	10.55	7.93
Scavo NORM.	10.15	6.94
Scavo NORM.	9.95	6.47
Scavo NORM.	9.55	5.65
Scavo NORM.	9.15	4.92
Scavo NORM.	8.75	4.24
Scavo NORM.	8.35	3.62
Scavo NORM.	7.95	3.05
Scavo NORM.	7.55	2.53
Scavo NORM.	7.15	2.05
Scavo NORM.	6.75	1.63
Scavo NORM.	6.35	1.26
Scavo NORM.	5.95	0.95
Scavo NORM.	5.55	0.69
Scavo NORM.	5.15	0.5
Scavo NORM.	4.75	0.36
Scavo NORM.	4.35	0.28
Scavo NORM.	3.95	0.24
Scavo NORM.	3.55	0.22
Scavo NORM.	3.15	0.23
Scavo NORM.	2.75	0.24
Scavo NORM.	2.35	0.26
Scavo NORM.	1.95	0.29
Scavo NORM.	1.55	0.31
Scavo NORM.	1.15	0.34
Scavo NORM.	0.75	0.36
Scavo NORM.	0.35	0.37
Scavo NORM.	-0.05	0.38
Scavo NORM.	-0.45	0.38
Scavo NORM.	-0.85	0.38
Scavo NORM.	-1.25	0.38
Scavo NORM.	-1.45	0.39
Scavo NORM.	-1.85	0.4
Scavo NORM.	-2.25	0.42
Scavo NORM.	-2.65	0.44
Scavo NORM.	-3.05	0.47
Scavo NORM.	-3.45	0.5
Scavo NORM.	-3.85	0.52
Scavo NORM.	-4.25	0.54

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Tipo Risultato: Spostamento Muro: LEFT

Stage	Z (m)	Spostamento (mm)
Scavo NORM.	-4.65	0.55
Scavo NORM.	-5.05	0.56
Scavo NORM.	-5.45	0.55
Scavo NORM.	-5.85	0.55
Scavo NORM.	-6.25	0.54
Scavo NORM.	-6.45	0.54
Scavo NORM.	-6.85	0.55
Scavo NORM.	-7.25	0.56
Scavo NORM.	-7.65	0.59
Scavo NORM.	-8.05	0.62
Scavo NORM.	-8.45	0.65
Scavo NORM.	-8.85	0.68
Scavo NORM.	-9.25	0.71
Scavo NORM.	-9.65	0.73
Scavo NORM.	-10.05	0.75
Scavo NORM.	-10.45	0.76
Scavo NORM.	-10.85	0.75
Scavo NORM.	-11.25	0.74
Scavo NORM.	-11.65	0.7
Scavo NORM.	-12.05	0.65
Scavo NORM.	-12.45	0.58
Scavo NORM.	-12.85	0.49
Scavo NORM.	-13.25	0.43
Scavo NORM.	-13.65	0.39
Scavo NORM.	-14.05	0.37
Scavo NORM.	-14.45	0.37
Scavo NORM.	-14.85	0.37
Scavo NORM.	-15.25	0.36
Scavo NORM.	-15.65	0.36
Scavo NORM.	-16.05	0.36
Scavo NORM.	-16.45	0.36
Scavo NORM.	-16.85	0.35
Scavo NORM.	-17.25	0.35
Scavo NORM.	-17.65	0.35
Scavo NORM.	-18.05	0.35
Scavo NORM.	-18.45	0.34
Scavo NORM.	-18.85	0.34
Scavo NORM.	-19.25	0.34
Scavo NORM.	-19.65	0.34
Scavo NORM.	-20.05	0.34
Scavo NORM.	-20.45	0.33
Scavo NORM.	-20.85	0.33
Scavo NORM.	-21.25	0.33
Scavo NORM.	-21.65	0.33
Scavo NORM.	-22.05	0.33
Scavo NORM.	-22.3	0.33

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Spostamento Nominal - RIGHT Stage: Scavo NORM.

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT		
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	15.7	1.08
Scavo NORM.	15.35	-0.57
Scavo NORM.	14.95	-2.45
Scavo NORM.	14.55	-4.26
Scavo NORM.	14.15	-5.93
Scavo NORM.	13.75	-7.4
Scavo NORM.	13.35	-8.61
Scavo NORM.	12.95	-9.51
Scavo NORM.	12.55	-10.06
Scavo NORM.	12.15	-10.25
Scavo NORM.	11.75	-10.09
Scavo NORM.	11.35	-9.6
Scavo NORM.	10.95	-8.85
Scavo NORM.	10.55	-7.93
Scavo NORM.	10.15	-6.94
Scavo NORM.	9.95	-6.47
Scavo NORM.	9.55	-5.65
Scavo NORM.	9.15	-4.92
Scavo NORM.	8.75	-4.24
Scavo NORM.	8.35	-3.62
Scavo NORM.	7.95	-3.05
Scavo NORM.	7.55	-2.53
Scavo NORM.	7.15	-2.05
Scavo NORM.	6.75	-1.63
Scavo NORM.	6.35	-1.26
Scavo NORM.	5.95	-0.95
Scavo NORM.	5.55	-0.69
Scavo NORM.	5.15	-0.5
Scavo NORM.	4.75	-0.36
Scavo NORM.	4.35	-0.28
Scavo NORM.	3.95	-0.24
Scavo NORM.	3.55	-0.22
Scavo NORM.	3.15	-0.23
Scavo NORM.	2.75	-0.24
Scavo NORM.	2.35	-0.26
Scavo NORM.	1.95	-0.29
Scavo NORM.	1.55	-0.31
Scavo NORM.	1.15	-0.34
Scavo NORM.	0.75	-0.36
Scavo NORM.	0.35	-0.37
Scavo NORM.	-0.05	-0.38
Scavo NORM.	-0.45	-0.38
Scavo NORM.	-0.85	-0.38
Scavo NORM.	-1.25	-0.38
Scavo NORM.	-1.45	-0.39
Scavo NORM.	-1.85	-0.4
Scavo NORM.	-2.25	-0.42
Scavo NORM.	-2.65	-0.44
Scavo NORM.	-3.05	-0.47
Scavo NORM.	-3.45	-0.5
Scavo NORM.	-3.85	-0.52
Scavo NORM.	-4.25	-0.54

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Tipo Risultato: Spostamento Muro: RIGHT

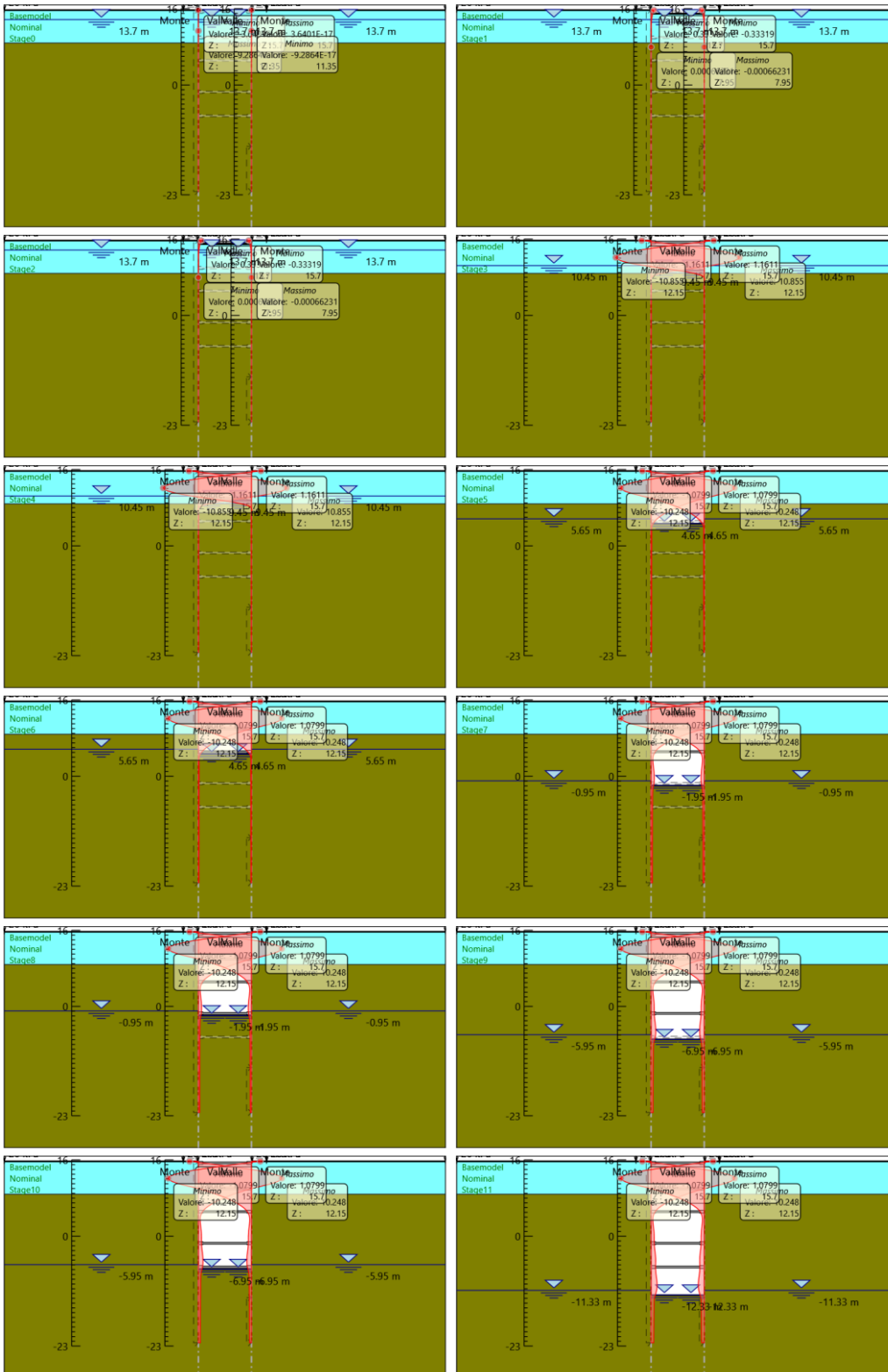
Stage	Z (m)	Spostamento (mm)
Scavo NORM.	-4.65	-0.55
Scavo NORM.	-5.05	-0.56
Scavo NORM.	-5.45	-0.55
Scavo NORM.	-5.85	-0.55
Scavo NORM.	-6.25	-0.54
Scavo NORM.	-6.45	-0.54
Scavo NORM.	-6.85	-0.55
Scavo NORM.	-7.25	-0.56
Scavo NORM.	-7.65	-0.59
Scavo NORM.	-8.05	-0.62
Scavo NORM.	-8.45	-0.65
Scavo NORM.	-8.85	-0.68
Scavo NORM.	-9.25	-0.71
Scavo NORM.	-9.65	-0.73
Scavo NORM.	-10.05	-0.75
Scavo NORM.	-10.45	-0.76
Scavo NORM.	-10.85	-0.75
Scavo NORM.	-11.25	-0.74
Scavo NORM.	-11.65	-0.7
Scavo NORM.	-12.05	-0.65
Scavo NORM.	-12.45	-0.58
Scavo NORM.	-12.85	-0.49
Scavo NORM.	-13.25	-0.43
Scavo NORM.	-13.65	-0.39
Scavo NORM.	-14.05	-0.37
Scavo NORM.	-14.45	-0.37
Scavo NORM.	-14.85	-0.37
Scavo NORM.	-15.25	-0.36
Scavo NORM.	-15.65	-0.36
Scavo NORM.	-16.05	-0.36
Scavo NORM.	-16.45	-0.36
Scavo NORM.	-16.85	-0.35
Scavo NORM.	-17.25	-0.35
Scavo NORM.	-17.65	-0.35
Scavo NORM.	-18.05	-0.35
Scavo NORM.	-18.45	-0.34
Scavo NORM.	-18.85	-0.34
Scavo NORM.	-19.25	-0.34
Scavo NORM.	-19.65	-0.34
Scavo NORM.	-20.05	-0.34
Scavo NORM.	-20.45	-0.33
Scavo NORM.	-20.85	-0.33
Scavo NORM.	-21.25	-0.33
Scavo NORM.	-21.65	-0.33
Scavo NORM.	-22.05	-0.33
Scavo NORM.	-22.3	-0.33

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

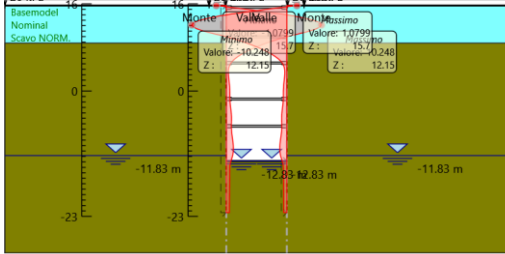
Grafici Spostamento in tabella



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Risultati Paratia

Tabella Risultati Paratia Nominal - Stage: Stage0

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	15.7	0	0
Stage0	15.35	0	0
Stage0	14.95	0	0
Stage0	14.55	0	0
Stage0	14.15	0	0
Stage0	13.75	0	0
Stage0	13.35	0	0
Stage0	12.95	0	0
Stage0	12.55	0	0
Stage0	12.15	0	0
Stage0	11.75	0	0
Stage0	11.35	0	0
Stage0	10.95	0	0
Stage0	10.55	0	0
Stage0	10.15	0	0
Stage0	9.95	0	0
Stage0	9.55	0	0
Stage0	9.15	0	0
Stage0	8.75	0	0
Stage0	8.35	0	0
Stage0	7.95	0	0
Stage0	7.55	0	0
Stage0	7.15	0	0
Stage0	6.75	0	0
Stage0	6.35	0	0
Stage0	5.95	0	0
Stage0	5.55	0	0
Stage0	5.15	0	0
Stage0	4.75	0	0
Stage0	4.35	0	0
Stage0	3.95	0	0
Stage0	3.55	0	0
Stage0	3.15	0	0
Stage0	2.75	0	0
Stage0	2.35	0	0
Stage0	1.95	0	0
Stage0	1.55	0	0
Stage0	1.15	0	0
Stage0	0.75	0	0
Stage0	0.35	0	0
Stage0	-0.05	0	0
Stage0	-0.45	0	0
Stage0	-0.85	0	0
Stage0	-1.25	0	0
Stage0	-1.45	0	0
Stage0	-1.85	0	0
Stage0	-2.25	0	0
Stage0	-2.65	0	0
Stage0	-3.05	0	0
Stage0	-3.45	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	-3.85	0	0
Stage0	-4.25	0	0
Stage0	-4.65	0	0
Stage0	-5.05	0	0
Stage0	-5.45	0	0
Stage0	-5.85	0	0
Stage0	-6.25	0	0
Stage0	-6.45	0	0
Stage0	-6.85	0	0
Stage0	-7.25	0	0
Stage0	-7.65	0	0
Stage0	-8.05	0	0
Stage0	-8.45	0	0
Stage0	-8.85	0	0
Stage0	-9.25	0	0
Stage0	-9.65	0	0
Stage0	-10.05	0	0
Stage0	-10.45	0	0
Stage0	-10.85	0	0
Stage0	-11.25	0	0
Stage0	-11.65	0	0
Stage0	-12.05	0	0
Stage0	-12.45	0	0
Stage0	-12.85	0	0
Stage0	-13.25	0	0
Stage0	-13.65	0	0
Stage0	-14.05	0	0
Stage0	-14.45	0	0
Stage0	-14.85	0	0
Stage0	-15.25	0	0
Stage0	-15.65	0	0
Stage0	-16.05	0	0
Stage0	-16.45	0	0
Stage0	-16.85	0	0
Stage0	-17.25	0	0
Stage0	-17.65	0	0
Stage0	-18.05	0	0
Stage0	-18.45	0	0
Stage0	-18.85	0	0
Stage0	-19.25	0	0
Stage0	-19.65	0	0
Stage0	-20.05	0	0
Stage0	-20.45	0	0
Stage0	-20.85	0	0
Stage0	-21.25	0	0
Stage0	-21.65	0	0
Stage0	-22.05	0	0
Stage0	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage0

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	15.7	0	0
Stage0	15.35	0	0
Stage0	14.95	0	0
Stage0	14.55	0	0
Stage0	14.15	0	0
Stage0	13.75	0	0
Stage0	13.35	0	0
Stage0	12.95	0	0
Stage0	12.55	0	0
Stage0	12.15	0	0
Stage0	11.75	0	0
Stage0	11.35	0	0
Stage0	10.95	0	0
Stage0	10.55	0	0
Stage0	10.15	0	0
Stage0	9.95	0	0
Stage0	9.55	0	0
Stage0	9.15	0	0
Stage0	8.75	0	0
Stage0	8.35	0	0
Stage0	7.95	0	0
Stage0	7.55	0	0
Stage0	7.15	0	0
Stage0	6.75	0	0
Stage0	6.35	0	0
Stage0	5.95	0	0
Stage0	5.55	0	0
Stage0	5.15	0	0
Stage0	4.75	0	0
Stage0	4.35	0	0
Stage0	3.95	0	0
Stage0	3.55	0	0
Stage0	3.15	0	0
Stage0	2.75	0	0
Stage0	2.35	0	0
Stage0	1.95	0	0
Stage0	1.55	0	0
Stage0	1.15	0	0
Stage0	0.75	0	0
Stage0	0.35	0	0
Stage0	-0.05	0	0
Stage0	-0.45	0	0
Stage0	-0.85	0	0
Stage0	-1.25	0	0
Stage0	-1.45	0	0
Stage0	-1.85	0	0
Stage0	-2.25	0	0
Stage0	-2.65	0	0
Stage0	-3.05	0	0
Stage0	-3.45	0	0
Stage0	-3.85	0	0
Stage0	-4.25	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage0	-4.65	0	0
Stage0	-5.05	0	0
Stage0	-5.45	0	0
Stage0	-5.85	0	0
Stage0	-6.25	0	0
Stage0	-6.45	0	0
Stage0	-6.85	0	0
Stage0	-7.25	0	0
Stage0	-7.65	0	0
Stage0	-8.05	0	0
Stage0	-8.45	0	0
Stage0	-8.85	0	0
Stage0	-9.25	0	0
Stage0	-9.65	0	0
Stage0	-10.05	0	0
Stage0	-10.45	0	0
Stage0	-10.85	0	0
Stage0	-11.25	0	0
Stage0	-11.65	0	0
Stage0	-12.05	0	0
Stage0	-12.45	0	0
Stage0	-12.85	0	0
Stage0	-13.25	0	0
Stage0	-13.65	0	0
Stage0	-14.05	0	0
Stage0	-14.45	0	0
Stage0	-14.85	0	0
Stage0	-15.25	0	0
Stage0	-15.65	0	0
Stage0	-16.05	0	0
Stage0	-16.45	0	0
Stage0	-16.85	0	0
Stage0	-17.25	0	0
Stage0	-17.65	0	0
Stage0	-18.05	0	0
Stage0	-18.45	0	0
Stage0	-18.85	0	0
Stage0	-19.25	0	0
Stage0	-19.65	0	0
Stage0	-20.05	0	0
Stage0	-20.45	0	0
Stage0	-20.85	0	0
Stage0	-21.25	0	0
Stage0	-21.65	0	0
Stage0	-22.05	0	0
Stage0	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	15.7	0	0
Stage1	15.35	0	0
Stage1	15.35	0	0
Stage1	14.95	-1.4	-3.5
Stage1	14.55	-2.46	-2.65
Stage1	14.15	-2.69	-0.57
Stage1	13.75	-2.41	0.7
Stage1	13.35	-1.89	1.31
Stage1	12.95	-1.31	1.44
Stage1	12.55	-0.79	1.3
Stage1	12.15	-0.37	1.06
Stage1	11.75	-0.05	0.8
Stage1	11.35	0.18	0.57
Stage1	10.95	0.33	0.38
Stage1	10.55	0.41	0.2
Stage1	10.15	0.42	0.01
Stage1	9.95	0.38	-0.2
Stage1	9.55	0.2	-0.44
Stage1	9.15	-0.16	-0.91
Stage1	8.75	-0.78	-1.53
Stage1	8.35	-0.44	0.84
Stage1	7.95	-0.12	0.81
Stage1	7.55	0.02	0.33
Stage1	7.15	0.03	0.04
Stage1	6.75	0.02	-0.04
Stage1	6.35	0	-0.03
Stage1	5.95	0	-0.01
Stage1	5.55	0	0
Stage1	5.15	0	0
Stage1	4.75	0	0
Stage1	4.35	0	0
Stage1	3.95	0	0
Stage1	3.55	0	0
Stage1	3.15	0	0
Stage1	2.75	0	0
Stage1	2.35	0	0
Stage1	1.95	0	0
Stage1	1.55	0	0
Stage1	1.15	0	0
Stage1	0.75	0	0
Stage1	0.35	0	0
Stage1	-0.05	0	0
Stage1	-0.45	0	0
Stage1	-0.85	0	0
Stage1	-1.25	0	0
Stage1	-1.45	0	0
Stage1	-1.85	0	0
Stage1	-2.25	0	0
Stage1	-2.65	0	0
Stage1	-3.05	0	0
Stage1	-3.45	0	0
Stage1	-3.85	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	-4.25	0	0
Stage1	-4.65	0	0
Stage1	-5.05	0	0
Stage1	-5.45	0	0
Stage1	-5.85	0	0
Stage1	-6.25	0	0
Stage1	-6.45	0	0
Stage1	-6.85	0	0
Stage1	-7.25	0	0
Stage1	-7.65	0	0
Stage1	-8.05	0	0
Stage1	-8.45	0	0
Stage1	-8.85	0	0
Stage1	-9.25	0	0
Stage1	-9.65	0	0
Stage1	-10.05	0	0
Stage1	-10.45	0	0
Stage1	-10.85	0	0
Stage1	-11.25	0	0
Stage1	-11.65	0	0
Stage1	-12.05	0	0
Stage1	-12.45	0	0
Stage1	-12.85	0	0
Stage1	-13.25	0	0
Stage1	-13.65	0	0
Stage1	-14.05	0	0
Stage1	-14.45	0	0
Stage1	-14.85	0	0
Stage1	-15.25	0	0
Stage1	-15.65	0	0
Stage1	-16.05	0	0
Stage1	-16.45	0	0
Stage1	-16.85	0	0
Stage1	-17.25	0	0
Stage1	-17.65	0	0
Stage1	-18.05	0	0
Stage1	-18.45	0	0
Stage1	-18.85	0	0
Stage1	-19.25	0	0
Stage1	-19.65	0	0
Stage1	-20.05	0	0
Stage1	-20.45	0	0
Stage1	-20.85	0	0
Stage1	-21.25	0	0
Stage1	-21.65	0	0
Stage1	-22.05	0	0
Stage1	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage1

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	15.7	0	0
Stage1	15.35	0	0
Stage1	15.35	0	0
Stage1	14.95	1.4	3.5
Stage1	14.55	2.46	2.65
Stage1	14.15	2.69	0.57
Stage1	13.75	2.41	-0.7
Stage1	13.35	1.89	-1.31
Stage1	12.95	1.31	-1.44
Stage1	12.55	0.79	-1.3
Stage1	12.15	0.37	-1.06
Stage1	11.75	0.05	-0.8
Stage1	11.35	-0.18	-0.57
Stage1	10.95	-0.33	-0.38
Stage1	10.55	-0.41	-0.2
Stage1	10.15	-0.42	-0.01
Stage1	9.95	-0.38	0.2
Stage1	9.55	-0.2	0.44
Stage1	9.15	0.16	0.91
Stage1	8.75	0.78	1.53
Stage1	8.35	0.44	-0.84
Stage1	7.95	0.12	-0.81
Stage1	7.55	-0.02	-0.33
Stage1	7.15	-0.03	-0.04
Stage1	6.75	-0.02	0.04
Stage1	6.35	0	0.03
Stage1	5.95	0	0.01
Stage1	5.55	0	0
Stage1	5.15	0	0
Stage1	4.75	0	0
Stage1	4.35	0	0
Stage1	3.95	0	0
Stage1	3.55	0	0
Stage1	3.15	0	0
Stage1	2.75	0	0
Stage1	2.35	0	0
Stage1	1.95	0	0
Stage1	1.55	0	0
Stage1	1.15	0	0
Stage1	0.75	0	0
Stage1	0.35	0	0
Stage1	-0.05	0	0
Stage1	-0.45	0	0
Stage1	-0.85	0	0
Stage1	-1.25	0	0
Stage1	-1.45	0	0
Stage1	-1.85	0	0
Stage1	-2.25	0	0
Stage1	-2.65	0	0
Stage1	-3.05	0	0
Stage1	-3.45	0	0
Stage1	-3.85	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage1	-4.25	0	0
Stage1	-4.65	0	0
Stage1	-5.05	0	0
Stage1	-5.45	0	0
Stage1	-5.85	0	0
Stage1	-6.25	0	0
Stage1	-6.45	0	0
Stage1	-6.85	0	0
Stage1	-7.25	0	0
Stage1	-7.65	0	0
Stage1	-8.05	0	0
Stage1	-8.45	0	0
Stage1	-8.85	0	0
Stage1	-9.25	0	0
Stage1	-9.65	0	0
Stage1	-10.05	0	0
Stage1	-10.45	0	0
Stage1	-10.85	0	0
Stage1	-11.25	0	0
Stage1	-11.65	0	0
Stage1	-12.05	0	0
Stage1	-12.45	0	0
Stage1	-12.85	0	0
Stage1	-13.25	0	0
Stage1	-13.65	0	0
Stage1	-14.05	0	0
Stage1	-14.45	0	0
Stage1	-14.85	0	0
Stage1	-15.25	0	0
Stage1	-15.65	0	0
Stage1	-16.05	0	0
Stage1	-16.45	0	0
Stage1	-16.85	0	0
Stage1	-17.25	0	0
Stage1	-17.65	0	0
Stage1	-18.05	0	0
Stage1	-18.45	0	0
Stage1	-18.85	0	0
Stage1	-19.25	0	0
Stage1	-19.65	0	0
Stage1	-20.05	0	0
Stage1	-20.45	0	0
Stage1	-20.85	0	0
Stage1	-21.25	0	0
Stage1	-21.65	0	0
Stage1	-22.05	0	0
Stage1	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage2

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	15.7	0	0
Stage2	15.35	0	0
Stage2	15.35	0	0
Stage2	14.95	-1.4	-3.5
Stage2	14.55	-2.46	-2.65
Stage2	14.15	-2.69	-0.57
Stage2	13.75	-2.41	0.7
Stage2	13.35	-1.89	1.31
Stage2	12.95	-1.31	1.44
Stage2	12.55	-0.79	1.3
Stage2	12.15	-0.37	1.06
Stage2	11.75	-0.05	0.8
Stage2	11.35	0.18	0.57
Stage2	10.95	0.33	0.38
Stage2	10.55	0.41	0.2
Stage2	10.15	0.42	0.01
Stage2	9.95	0.38	-0.2
Stage2	9.55	0.2	-0.44
Stage2	9.15	-0.16	-0.91
Stage2	8.75	-0.78	-1.53
Stage2	8.35	-0.44	0.84
Stage2	7.95	-0.12	0.81
Stage2	7.55	0.02	0.33
Stage2	7.15	0.03	0.04
Stage2	6.75	0.02	-0.04
Stage2	6.35	0	-0.03
Stage2	5.95	0	-0.01
Stage2	5.55	0	0
Stage2	5.15	0	0
Stage2	4.75	0	0
Stage2	4.35	0	0
Stage2	3.95	0	0
Stage2	3.55	0	0
Stage2	3.15	0	0
Stage2	2.75	0	0
Stage2	2.35	0	0
Stage2	1.95	0	0
Stage2	1.55	0	0
Stage2	1.15	0	0
Stage2	0.75	0	0
Stage2	0.35	0	0
Stage2	-0.05	0	0
Stage2	-0.45	0	0
Stage2	-0.85	0	0
Stage2	-1.25	0	0
Stage2	-1.45	0	0
Stage2	-1.85	0	0
Stage2	-2.25	0	0
Stage2	-2.65	0	0
Stage2	-3.05	0	0
Stage2	-3.45	0	0
Stage2	-3.85	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia
Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	-4.25	0	0
Stage2	-4.65	0	0
Stage2	-5.05	0	0
Stage2	-5.45	0	0
Stage2	-5.85	0	0
Stage2	-6.25	0	0
Stage2	-6.45	0	0
Stage2	-6.85	0	0
Stage2	-7.25	0	0
Stage2	-7.65	0	0
Stage2	-8.05	0	0
Stage2	-8.45	0	0
Stage2	-8.85	0	0
Stage2	-9.25	0	0
Stage2	-9.65	0	0
Stage2	-10.05	0	0
Stage2	-10.45	0	0
Stage2	-10.85	0	0
Stage2	-11.25	0	0
Stage2	-11.65	0	0
Stage2	-12.05	0	0
Stage2	-12.45	0	0
Stage2	-12.85	0	0
Stage2	-13.25	0	0
Stage2	-13.65	0	0
Stage2	-14.05	0	0
Stage2	-14.45	0	0
Stage2	-14.85	0	0
Stage2	-15.25	0	0
Stage2	-15.65	0	0
Stage2	-16.05	0	0
Stage2	-16.45	0	0
Stage2	-16.85	0	0
Stage2	-17.25	0	0
Stage2	-17.65	0	0
Stage2	-18.05	0	0
Stage2	-18.45	0	0
Stage2	-18.85	0	0
Stage2	-19.25	0	0
Stage2	-19.65	0	0
Stage2	-20.05	0	0
Stage2	-20.45	0	0
Stage2	-20.85	0	0
Stage2	-21.25	0	0
Stage2	-21.65	0	0
Stage2	-22.05	0	0
Stage2	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage2

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	15.7	0	0
Stage2	15.35	0	0
Stage2	15.35	0	0
Stage2	14.95	1.4	3.5
Stage2	14.55	2.46	2.65
Stage2	14.15	2.69	0.57
Stage2	13.75	2.41	-0.7
Stage2	13.35	1.89	-1.31
Stage2	12.95	1.31	-1.44
Stage2	12.55	0.79	-1.3
Stage2	12.15	0.37	-1.06
Stage2	11.75	0.05	-0.8
Stage2	11.35	-0.18	-0.57
Stage2	10.95	-0.33	-0.38
Stage2	10.55	-0.41	-0.2
Stage2	10.15	-0.42	-0.01
Stage2	9.95	-0.38	0.2
Stage2	9.55	-0.2	0.44
Stage2	9.15	0.16	0.91
Stage2	8.75	0.78	1.53
Stage2	8.35	0.44	-0.84
Stage2	7.95	0.12	-0.81
Stage2	7.55	-0.02	-0.33
Stage2	7.15	-0.03	-0.04
Stage2	6.75	-0.02	0.04
Stage2	6.35	0	0.03
Stage2	5.95	0	0.01
Stage2	5.55	0	0
Stage2	5.15	0	0
Stage2	4.75	0	0
Stage2	4.35	0	0
Stage2	3.95	0	0
Stage2	3.55	0	0
Stage2	3.15	0	0
Stage2	2.75	0	0
Stage2	2.35	0	0
Stage2	1.95	0	0
Stage2	1.55	0	0
Stage2	1.15	0	0
Stage2	0.75	0	0
Stage2	0.35	0	0
Stage2	-0.05	0	0
Stage2	-0.45	0	0
Stage2	-0.85	0	0
Stage2	-1.25	0	0
Stage2	-1.45	0	0
Stage2	-1.85	0	0
Stage2	-2.25	0	0
Stage2	-2.65	0	0
Stage2	-3.05	0	0
Stage2	-3.45	0	0
Stage2	-3.85	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage2	-4.25	0	0
Stage2	-4.65	0	0
Stage2	-5.05	0	0
Stage2	-5.45	0	0
Stage2	-5.85	0	0
Stage2	-6.25	0	0
Stage2	-6.45	0	0
Stage2	-6.85	0	0
Stage2	-7.25	0	0
Stage2	-7.65	0	0
Stage2	-8.05	0	0
Stage2	-8.45	0	0
Stage2	-8.85	0	0
Stage2	-9.25	0	0
Stage2	-9.65	0	0
Stage2	-10.05	0	0
Stage2	-10.45	0	0
Stage2	-10.85	0	0
Stage2	-11.25	0	0
Stage2	-11.65	0	0
Stage2	-12.05	0	0
Stage2	-12.45	0	0
Stage2	-12.85	0	0
Stage2	-13.25	0	0
Stage2	-13.65	0	0
Stage2	-14.05	0	0
Stage2	-14.45	0	0
Stage2	-14.85	0	0
Stage2	-15.25	0	0
Stage2	-15.65	0	0
Stage2	-16.05	0	0
Stage2	-16.45	0	0
Stage2	-16.85	0	0
Stage2	-17.25	0	0
Stage2	-17.65	0	0
Stage2	-18.05	0	0
Stage2	-18.45	0	0
Stage2	-18.85	0	0
Stage2	-19.25	0	0
Stage2	-19.65	0	0
Stage2	-20.05	0	0
Stage2	-20.45	0	0
Stage2	-20.85	0	0
Stage2	-21.25	0	0
Stage2	-21.65	0	0
Stage2	-22.05	0	0
Stage2	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage3

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	15.7	0	-2.89
Stage3	15.35	-1.01	-2.89
Stage3	14.95	12.63	34.11
Stage3	14.55	26.28	34.11
Stage3	14.15	39.6	33.29
Stage3	13.75	51.98	30.95
Stage3	13.35	62.82	27.1
Stage3	12.95	71.5	21.71
Stage3	12.55	77.43	14.83
Stage3	12.15	80.03	6.48
Stage3	11.75	78.78	-3.11
Stage3	11.35	73.18	-14.01
Stage3	10.95	62.66	-26.29
Stage3	10.55	46.69	-39.93
Stage3	10.15	24.71	-54.94
Stage3	9.95	11.17	-67.74
Stage3	9.55	-21.41	-81.44
Stage3	9.15	-62.2	-101.97
Stage3	8.75	-105.49	-108.23
Stage3	8.35	-85.94	48.88
Stage3	7.95	-46.47	98.67
Stage3	7.55	-13.69	81.95
Stage3	7.15	0.98	36.68
Stage3	6.75	3.97	7.45
Stage3	6.35	2.67	-3.24
Stage3	5.95	1.01	-4.14
Stage3	5.55	0.11	-2.27
Stage3	5.15	-0.16	-0.68
Stage3	4.75	-0.15	0.04
Stage3	4.35	-0.07	0.19
Stage3	3.95	-0.02	0.13
Stage3	3.55	0	0.05
Stage3	3.15	0.01	0.01
Stage3	2.75	0	-0.01
Stage3	2.35	0	-0.01
Stage3	1.95	0	0
Stage3	1.55	0	0
Stage3	1.15	0	0
Stage3	0.75	0	0
Stage3	0.35	0	0
Stage3	-0.05	0	0
Stage3	-0.45	0	0
Stage3	-0.85	0	0
Stage3	-1.25	0	0
Stage3	-1.45	0	0
Stage3	-1.85	0	0
Stage3	-2.25	0	0
Stage3	-2.65	0	0
Stage3	-3.05	0	0
Stage3	-3.45	0	0
Stage3	-3.85	0	0
Stage3	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	-4.65	0	0
Stage3	-5.05	0	0
Stage3	-5.45	0	0
Stage3	-5.85	0	0
Stage3	-6.25	0	0
Stage3	-6.45	0	0
Stage3	-6.85	0	0
Stage3	-7.25	0	0
Stage3	-7.65	0	0
Stage3	-8.05	0	0
Stage3	-8.45	0	0
Stage3	-8.85	0	0
Stage3	-9.25	0	0
Stage3	-9.65	0	0
Stage3	-10.05	0	0
Stage3	-10.45	0	0
Stage3	-10.85	0	0
Stage3	-11.25	0	0
Stage3	-11.65	0	0
Stage3	-12.05	0	0
Stage3	-12.45	0	0
Stage3	-12.85	0	0
Stage3	-13.25	0	0
Stage3	-13.65	0	0
Stage3	-14.05	0	0
Stage3	-14.45	0	0
Stage3	-14.85	0	0
Stage3	-15.25	0	0
Stage3	-15.65	0	0
Stage3	-16.05	0	0
Stage3	-16.45	0	0
Stage3	-16.85	0	0
Stage3	-17.25	0	0
Stage3	-17.65	0	0
Stage3	-18.05	0	0
Stage3	-18.45	0	0
Stage3	-18.85	0	0
Stage3	-19.25	0	0
Stage3	-19.65	0	0
Stage3	-20.05	0	0
Stage3	-20.45	0	0
Stage3	-20.85	0	0
Stage3	-21.25	0	0
Stage3	-21.65	0	0
Stage3	-22.05	0	0
Stage3	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage3

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	15.7	0	2.89
Stage3	15.35	1.01	2.89
Stage3	14.95	-12.63	-34.11
Stage3	14.55	-26.28	-34.11
Stage3	14.15	-39.6	-33.29
Stage3	13.75	-51.98	-30.95
Stage3	13.35	-62.82	-27.1
Stage3	12.95	-71.5	-21.71
Stage3	12.55	-77.43	-14.83
Stage3	12.15	-80.03	-6.48
Stage3	11.75	-78.78	3.11
Stage3	11.35	-73.18	14.01
Stage3	10.95	-62.66	26.29
Stage3	10.55	-46.69	39.93
Stage3	10.15	-24.71	54.94
Stage3	9.95	-11.17	67.74
Stage3	9.55	21.41	81.44
Stage3	9.15	62.2	101.97
Stage3	8.75	105.49	108.23
Stage3	8.35	85.94	-48.88
Stage3	7.95	46.47	-98.67
Stage3	7.55	13.69	-81.95
Stage3	7.15	-0.98	-36.68
Stage3	6.75	-3.97	-7.45
Stage3	6.35	-2.67	3.24
Stage3	5.95	-1.01	4.14
Stage3	5.55	-0.11	2.27
Stage3	5.15	0.16	0.68
Stage3	4.75	0.15	-0.04
Stage3	4.35	0.07	-0.19
Stage3	3.95	0.02	-0.13
Stage3	3.55	0	-0.05
Stage3	3.15	-0.01	-0.01
Stage3	2.75	0	0.01
Stage3	2.35	0	0.01
Stage3	1.95	0	0
Stage3	1.55	0	0
Stage3	1.15	0	0
Stage3	0.75	0	0
Stage3	0.35	0	0
Stage3	-0.05	0	0
Stage3	-0.45	0	0
Stage3	-0.85	0	0
Stage3	-1.25	0	0
Stage3	-1.45	0	0
Stage3	-1.85	0	0
Stage3	-2.25	0	0
Stage3	-2.65	0	0
Stage3	-3.05	0	0
Stage3	-3.45	0	0
Stage3	-3.85	0	0
Stage3	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage3	-4.65	0	0
Stage3	-5.05	0	0
Stage3	-5.45	0	0
Stage3	-5.85	0	0
Stage3	-6.25	0	0
Stage3	-6.45	0	0
Stage3	-6.85	0	0
Stage3	-7.25	0	0
Stage3	-7.65	0	0
Stage3	-8.05	0	0
Stage3	-8.45	0	0
Stage3	-8.85	0	0
Stage3	-9.25	0	0
Stage3	-9.65	0	0
Stage3	-10.05	0	0
Stage3	-10.45	0	0
Stage3	-10.85	0	0
Stage3	-11.25	0	0
Stage3	-11.65	0	0
Stage3	-12.05	0	0
Stage3	-12.45	0	0
Stage3	-12.85	0	0
Stage3	-13.25	0	0
Stage3	-13.65	0	0
Stage3	-14.05	0	0
Stage3	-14.45	0	0
Stage3	-14.85	0	0
Stage3	-15.25	0	0
Stage3	-15.65	0	0
Stage3	-16.05	0	0
Stage3	-16.45	0	0
Stage3	-16.85	0	0
Stage3	-17.25	0	0
Stage3	-17.65	0	0
Stage3	-18.05	0	0
Stage3	-18.45	0	0
Stage3	-18.85	0	0
Stage3	-19.25	0	0
Stage3	-19.65	0	0
Stage3	-20.05	0	0
Stage3	-20.45	0	0
Stage3	-20.85	0	0
Stage3	-21.25	0	0
Stage3	-21.65	0	0
Stage3	-22.05	0	0
Stage3	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage4

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	15.7	0	-2.89
Stage4	15.35	-1.01	-2.89
Stage4	14.95	12.63	34.11
Stage4	14.55	26.28	34.11
Stage4	14.15	39.6	33.29
Stage4	13.75	51.98	30.95
Stage4	13.35	62.82	27.1
Stage4	12.95	71.5	21.71
Stage4	12.55	77.43	14.83
Stage4	12.15	80.03	6.48
Stage4	11.75	78.78	-3.11
Stage4	11.35	73.18	-14.01
Stage4	10.95	62.66	-26.29
Stage4	10.55	46.69	-39.93
Stage4	10.15	24.71	-54.94
Stage4	9.95	11.17	-67.74
Stage4	9.55	-21.41	-81.44
Stage4	9.15	-62.2	-101.97
Stage4	8.75	-105.49	-108.23
Stage4	8.35	-85.94	48.88
Stage4	7.95	-46.47	98.67
Stage4	7.55	-13.69	81.95
Stage4	7.15	0.98	36.68
Stage4	6.75	3.97	7.45
Stage4	6.35	2.67	-3.24
Stage4	5.95	1.01	-4.14
Stage4	5.55	0.11	-2.27
Stage4	5.15	-0.16	-0.68
Stage4	4.75	-0.15	0.04
Stage4	4.35	-0.07	0.19
Stage4	3.95	-0.02	0.13
Stage4	3.55	0	0.05
Stage4	3.15	0.01	0.01
Stage4	2.75	0	-0.01
Stage4	2.35	0	-0.01
Stage4	1.95	0	0
Stage4	1.55	0	0
Stage4	1.15	0	0
Stage4	0.75	0	0
Stage4	0.35	0	0
Stage4	-0.05	0	0
Stage4	-0.45	0	0
Stage4	-0.85	0	0
Stage4	-1.25	0	0
Stage4	-1.45	0	0
Stage4	-1.85	0	0
Stage4	-2.25	0	0
Stage4	-2.65	0	0
Stage4	-3.05	0	0
Stage4	-3.45	0	0
Stage4	-3.85	0	0
Stage4	-4.25	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia
Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	-4.65	0	0
Stage4	-5.05	0	0
Stage4	-5.45	0	0
Stage4	-5.85	0	0
Stage4	-6.25	0	0
Stage4	-6.45	0	0
Stage4	-6.85	0	0
Stage4	-7.25	0	0
Stage4	-7.65	0	0
Stage4	-8.05	0	0
Stage4	-8.45	0	0
Stage4	-8.85	0	0
Stage4	-9.25	0	0
Stage4	-9.65	0	0
Stage4	-10.05	0	0
Stage4	-10.45	0	0
Stage4	-10.85	0	0
Stage4	-11.25	0	0
Stage4	-11.65	0	0
Stage4	-12.05	0	0
Stage4	-12.45	0	0
Stage4	-12.85	0	0
Stage4	-13.25	0	0
Stage4	-13.65	0	0
Stage4	-14.05	0	0
Stage4	-14.45	0	0
Stage4	-14.85	0	0
Stage4	-15.25	0	0
Stage4	-15.65	0	0
Stage4	-16.05	0	0
Stage4	-16.45	0	0
Stage4	-16.85	0	0
Stage4	-17.25	0	0
Stage4	-17.65	0	0
Stage4	-18.05	0	0
Stage4	-18.45	0	0
Stage4	-18.85	0	0
Stage4	-19.25	0	0
Stage4	-19.65	0	0
Stage4	-20.05	0	0
Stage4	-20.45	0	0
Stage4	-20.85	0	0
Stage4	-21.25	0	0
Stage4	-21.65	0	0
Stage4	-22.05	0	0
Stage4	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage4

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	15.7	0	2.89
Stage4	15.35	1.01	2.89
Stage4	14.95	-12.63	-34.11
Stage4	14.55	-26.28	-34.11
Stage4	14.15	-39.6	-33.29
Stage4	13.75	-51.98	-30.95
Stage4	13.35	-62.82	-27.1
Stage4	12.95	-71.5	-21.71
Stage4	12.55	-77.43	-14.83
Stage4	12.15	-80.03	-6.48
Stage4	11.75	-78.78	3.11
Stage4	11.35	-73.18	14.01
Stage4	10.95	-62.66	26.29
Stage4	10.55	-46.69	39.93
Stage4	10.15	-24.71	54.94
Stage4	9.95	-11.17	67.74
Stage4	9.55	21.41	81.44
Stage4	9.15	62.2	101.97
Stage4	8.75	105.49	108.23
Stage4	8.35	85.94	-48.88
Stage4	7.95	46.47	-98.67
Stage4	7.55	13.69	-81.95
Stage4	7.15	-0.98	-36.68
Stage4	6.75	-3.97	-7.45
Stage4	6.35	-2.67	3.24
Stage4	5.95	-1.01	4.14
Stage4	5.55	-0.11	2.27
Stage4	5.15	0.16	0.68
Stage4	4.75	0.15	-0.04
Stage4	4.35	0.07	-0.19
Stage4	3.95	0.02	-0.13
Stage4	3.55	0	-0.05
Stage4	3.15	-0.01	-0.01
Stage4	2.75	0	0.01
Stage4	2.35	0	0.01
Stage4	1.95	0	0
Stage4	1.55	0	0
Stage4	1.15	0	0
Stage4	0.75	0	0
Stage4	0.35	0	0
Stage4	-0.05	0	0
Stage4	-0.45	0	0
Stage4	-0.85	0	0
Stage4	-1.25	0	0
Stage4	-1.45	0	0
Stage4	-1.85	0	0
Stage4	-2.25	0	0
Stage4	-2.65	0	0
Stage4	-3.05	0	0
Stage4	-3.45	0	0
Stage4	-3.85	0	0
Stage4	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage4	-4.65	0	0
Stage4	-5.05	0	0
Stage4	-5.45	0	0
Stage4	-5.85	0	0
Stage4	-6.25	0	0
Stage4	-6.45	0	0
Stage4	-6.85	0	0
Stage4	-7.25	0	0
Stage4	-7.65	0	0
Stage4	-8.05	0	0
Stage4	-8.45	0	0
Stage4	-8.85	0	0
Stage4	-9.25	0	0
Stage4	-9.65	0	0
Stage4	-10.05	0	0
Stage4	-10.45	0	0
Stage4	-10.85	0	0
Stage4	-11.25	0	0
Stage4	-11.65	0	0
Stage4	-12.05	0	0
Stage4	-12.45	0	0
Stage4	-12.85	0	0
Stage4	-13.25	0	0
Stage4	-13.65	0	0
Stage4	-14.05	0	0
Stage4	-14.45	0	0
Stage4	-14.85	0	0
Stage4	-15.25	0	0
Stage4	-15.65	0	0
Stage4	-16.05	0	0
Stage4	-16.45	0	0
Stage4	-16.85	0	0
Stage4	-17.25	0	0
Stage4	-17.65	0	0
Stage4	-18.05	0	0
Stage4	-18.45	0	0
Stage4	-18.85	0	0
Stage4	-19.25	0	0
Stage4	-19.65	0	0
Stage4	-20.05	0	0
Stage4	-20.45	0	0
Stage4	-20.85	0	0
Stage4	-21.25	0	0
Stage4	-21.65	0	0
Stage4	-22.05	0	0
Stage4	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage5

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	15.7	0	-2.75
Stage5	15.35	-0.96	-2.75
Stage5	14.95	12.86	34.54
Stage5	14.55	26.53	34.19
Stage5	14.15	39.59	32.65
Stage5	13.75	51.28	29.21
Stage5	13.35	60.84	23.9
Stage5	12.95	67.52	16.7
Stage5	12.55	70.59	7.69
Stage5	12.15	69.39	-3.01
Stage5	11.75	63.38	-15.03
Stage5	11.35	52.09	-28.22
Stage5	10.95	35.16	-42.32
Stage5	10.55	12.41	-56.88
Stage5	10.15	-16.47	-72.19
Stage5	9.95	-33.36	-84.49
Stage5	9.55	-17.94	38.56
Stage5	9.15	-9.92	20.04
Stage5	8.75	-9.86	0.15
Stage5	8.35	-9.8	0.15
Stage5	7.95	-9.74	0.15
Stage5	7.55	-9.69	0.15
Stage5	7.15	-9.63	0.15
Stage5	6.75	-9.57	0.15
Stage5	6.35	-9.51	0.15
Stage5	5.95	-9.45	0.15
Stage5	5.55	-9.39	0.15
Stage5	5.15	-9.49	-0.24
Stage5	4.75	-10.37	-2.21
Stage5	4.35	-12.67	-5.74
Stage5	3.95	-8.13	11.35
Stage5	3.55	-3.47	11.63
Stage5	3.15	-0.71	6.9
Stage5	2.75	0.36	2.68
Stage5	2.35	0.5	0.37
Stage5	1.95	0.33	-0.44
Stage5	1.55	0.13	-0.49
Stage5	1.15	0.02	-0.29
Stage5	0.75	-0.03	-0.11
Stage5	0.35	-0.03	-0.01
Stage5	-0.05	-0.02	0.02
Stage5	-0.45	-0.01	0.03
Stage5	-0.85	-0.01	0.02
Stage5	-1.25	-0.01	0.01
Stage5	-1.45	0	0
Stage5	-1.85	0	0
Stage5	-2.25	0	0
Stage5	-2.65	0	0
Stage5	-3.05	0	0
Stage5	-3.45	0	0
Stage5	-3.85	0	0
Stage5	-4.25	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	-4.65	0	0
Stage5	-5.05	0	0
Stage5	-5.45	0	0
Stage5	-5.85	0	0
Stage5	-6.25	0	0
Stage5	-6.45	0	0
Stage5	-6.85	0	0
Stage5	-7.25	0	0
Stage5	-7.65	0	0
Stage5	-8.05	0	0
Stage5	-8.45	0	0
Stage5	-8.85	0	0
Stage5	-9.25	0	0
Stage5	-9.65	0	0
Stage5	-10.05	0	0
Stage5	-10.45	0	0
Stage5	-10.85	0	0
Stage5	-11.25	0	0
Stage5	-11.65	0	0
Stage5	-12.05	0	0
Stage5	-12.45	0	0
Stage5	-12.85	0	0
Stage5	-13.25	0	0
Stage5	-13.65	0	0
Stage5	-14.05	0	0
Stage5	-14.45	0	0
Stage5	-14.85	0	0
Stage5	-15.25	0	0
Stage5	-15.65	0	0
Stage5	-16.05	0	0
Stage5	-16.45	0	0
Stage5	-16.85	0	0
Stage5	-17.25	0	0
Stage5	-17.65	0	0
Stage5	-18.05	0	0
Stage5	-18.45	0	0
Stage5	-18.85	0	0
Stage5	-19.25	0	0
Stage5	-19.65	0	0
Stage5	-20.05	0	0
Stage5	-20.45	0	0
Stage5	-20.85	0	0
Stage5	-21.25	0	0
Stage5	-21.65	0	0
Stage5	-22.05	0	0
Stage5	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage5

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	15.7	0	2.75
Stage5	15.35	0.96	2.75
Stage5	14.95	-12.86	-34.54
Stage5	14.55	-26.53	-34.19
Stage5	14.15	-39.59	-32.65
Stage5	13.75	-51.28	-29.21
Stage5	13.35	-60.84	-23.9
Stage5	12.95	-67.52	-16.7
Stage5	12.55	-70.59	-7.69
Stage5	12.15	-69.39	3.01
Stage5	11.75	-63.38	15.03
Stage5	11.35	-52.09	28.22
Stage5	10.95	-35.16	42.32
Stage5	10.55	-12.41	56.88
Stage5	10.15	16.47	72.19
Stage5	9.95	33.36	84.49
Stage5	9.55	17.94	-38.56
Stage5	9.15	9.92	-20.04
Stage5	8.75	9.86	-0.15
Stage5	8.35	9.8	-0.15
Stage5	7.95	9.74	-0.15
Stage5	7.55	9.69	-0.15
Stage5	7.15	9.63	-0.15
Stage5	6.75	9.57	-0.15
Stage5	6.35	9.51	-0.15
Stage5	5.95	9.45	-0.15
Stage5	5.55	9.39	-0.15
Stage5	5.15	9.49	0.24
Stage5	4.75	10.37	2.21
Stage5	4.35	12.67	5.74
Stage5	3.95	8.13	-11.35
Stage5	3.55	3.47	-11.63
Stage5	3.15	0.71	-6.9
Stage5	2.75	-0.36	-2.68
Stage5	2.35	-0.5	-0.37
Stage5	1.95	-0.33	0.44
Stage5	1.55	-0.13	0.49
Stage5	1.15	-0.02	0.29
Stage5	0.75	0.03	0.11
Stage5	0.35	0.03	0.01
Stage5	-0.05	0.02	-0.02
Stage5	-0.45	0.01	-0.03
Stage5	-0.85	0.01	-0.02
Stage5	-1.25	0.01	-0.01
Stage5	-1.45	0	0
Stage5	-1.85	0	0
Stage5	-2.25	0	0
Stage5	-2.65	0	0
Stage5	-3.05	0	0
Stage5	-3.45	0	0
Stage5	-3.85	0	0
Stage5	-4.25	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage5	-4.65	0	0
Stage5	-5.05	0	0
Stage5	-5.45	0	0
Stage5	-5.85	0	0
Stage5	-6.25	0	0
Stage5	-6.45	0	0
Stage5	-6.85	0	0
Stage5	-7.25	0	0
Stage5	-7.65	0	0
Stage5	-8.05	0	0
Stage5	-8.45	0	0
Stage5	-8.85	0	0
Stage5	-9.25	0	0
Stage5	-9.65	0	0
Stage5	-10.05	0	0
Stage5	-10.45	0	0
Stage5	-10.85	0	0
Stage5	-11.25	0	0
Stage5	-11.65	0	0
Stage5	-12.05	0	0
Stage5	-12.45	0	0
Stage5	-12.85	0	0
Stage5	-13.25	0	0
Stage5	-13.65	0	0
Stage5	-14.05	0	0
Stage5	-14.45	0	0
Stage5	-14.85	0	0
Stage5	-15.25	0	0
Stage5	-15.65	0	0
Stage5	-16.05	0	0
Stage5	-16.45	0	0
Stage5	-16.85	0	0
Stage5	-17.25	0	0
Stage5	-17.65	0	0
Stage5	-18.05	0	0
Stage5	-18.45	0	0
Stage5	-18.85	0	0
Stage5	-19.25	0	0
Stage5	-19.65	0	0
Stage5	-20.05	0	0
Stage5	-20.45	0	0
Stage5	-20.85	0	0
Stage5	-21.25	0	0
Stage5	-21.65	0	0
Stage5	-22.05	0	0
Stage5	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage6

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	15.7	0	-2.75
Stage6	15.35	-0.96	-2.75
Stage6	14.95	12.86	34.54
Stage6	14.55	26.53	34.19
Stage6	14.15	39.59	32.65
Stage6	13.75	51.28	29.21
Stage6	13.35	60.84	23.9
Stage6	12.95	67.52	16.7
Stage6	12.55	70.59	7.69
Stage6	12.15	69.39	-3.01
Stage6	11.75	63.38	-15.03
Stage6	11.35	52.09	-28.22
Stage6	10.95	35.16	-42.32
Stage6	10.55	12.41	-56.88
Stage6	10.15	-16.47	-72.19
Stage6	9.95	-33.36	-84.49
Stage6	9.55	-17.94	38.56
Stage6	9.15	-9.92	20.04
Stage6	8.75	-9.86	0.15
Stage6	8.35	-9.8	0.15
Stage6	7.95	-9.74	0.15
Stage6	7.55	-9.69	0.15
Stage6	7.15	-9.63	0.15
Stage6	6.75	-9.57	0.15
Stage6	6.35	-9.51	0.15
Stage6	5.95	-9.45	0.15
Stage6	5.55	-9.39	0.15
Stage6	5.15	-9.49	-0.24
Stage6	4.75	-10.37	-2.21
Stage6	4.35	-12.67	-5.74
Stage6	3.95	-8.13	11.35
Stage6	3.55	-3.47	11.63
Stage6	3.15	-0.71	6.9
Stage6	2.75	0.36	2.68
Stage6	2.35	0.5	0.37
Stage6	1.95	0.33	-0.44
Stage6	1.55	0.13	-0.49
Stage6	1.15	0.02	-0.29
Stage6	0.75	-0.03	-0.11
Stage6	0.35	-0.03	-0.01
Stage6	-0.05	-0.02	0.02
Stage6	-0.45	-0.01	0.03
Stage6	-0.85	-0.01	0.02
Stage6	-1.25	-0.01	0.01
Stage6	-1.45	0	0
Stage6	-1.85	0	0
Stage6	-2.25	0	0
Stage6	-2.65	0	0
Stage6	-3.05	0	0
Stage6	-3.45	0	0
Stage6	-3.85	0	0
Stage6	-4.25	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia
Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	-4.65	0	0
Stage6	-5.05	0	0
Stage6	-5.45	0	0
Stage6	-5.85	0	0
Stage6	-6.25	0	0
Stage6	-6.45	0	0
Stage6	-6.85	0	0
Stage6	-7.25	0	0
Stage6	-7.65	0	0
Stage6	-8.05	0	0
Stage6	-8.45	0	0
Stage6	-8.85	0	0
Stage6	-9.25	0	0
Stage6	-9.65	0	0
Stage6	-10.05	0	0
Stage6	-10.45	0	0
Stage6	-10.85	0	0
Stage6	-11.25	0	0
Stage6	-11.65	0	0
Stage6	-12.05	0	0
Stage6	-12.45	0	0
Stage6	-12.85	0	0
Stage6	-13.25	0	0
Stage6	-13.65	0	0
Stage6	-14.05	0	0
Stage6	-14.45	0	0
Stage6	-14.85	0	0
Stage6	-15.25	0	0
Stage6	-15.65	0	0
Stage6	-16.05	0	0
Stage6	-16.45	0	0
Stage6	-16.85	0	0
Stage6	-17.25	0	0
Stage6	-17.65	0	0
Stage6	-18.05	0	0
Stage6	-18.45	0	0
Stage6	-18.85	0	0
Stage6	-19.25	0	0
Stage6	-19.65	0	0
Stage6	-20.05	0	0
Stage6	-20.45	0	0
Stage6	-20.85	0	0
Stage6	-21.25	0	0
Stage6	-21.65	0	0
Stage6	-22.05	0	0
Stage6	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage6

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	15.7	0	2.75
Stage6	15.35	0.96	2.75
Stage6	14.95	-12.86	-34.54
Stage6	14.55	-26.53	-34.19
Stage6	14.15	-39.59	-32.65
Stage6	13.75	-51.28	-29.21
Stage6	13.35	-60.84	-23.9
Stage6	12.95	-67.52	-16.7
Stage6	12.55	-70.59	-7.69
Stage6	12.15	-69.39	3.01
Stage6	11.75	-63.38	15.03
Stage6	11.35	-52.09	28.22
Stage6	10.95	-35.16	42.32
Stage6	10.55	-12.41	56.88
Stage6	10.15	16.47	72.19
Stage6	9.95	33.36	84.49
Stage6	9.55	17.94	-38.56
Stage6	9.15	9.92	-20.04
Stage6	8.75	9.86	-0.15
Stage6	8.35	9.8	-0.15
Stage6	7.95	9.74	-0.15
Stage6	7.55	9.69	-0.15
Stage6	7.15	9.63	-0.15
Stage6	6.75	9.57	-0.15
Stage6	6.35	9.51	-0.15
Stage6	5.95	9.45	-0.15
Stage6	5.55	9.39	-0.15
Stage6	5.15	9.49	0.24
Stage6	4.75	10.37	2.21
Stage6	4.35	12.67	5.74
Stage6	3.95	8.13	-11.35
Stage6	3.55	3.47	-11.63
Stage6	3.15	0.71	-6.9
Stage6	2.75	-0.36	-2.68
Stage6	2.35	-0.5	-0.37
Stage6	1.95	-0.33	0.44
Stage6	1.55	-0.13	0.49
Stage6	1.15	-0.02	0.29
Stage6	0.75	0.03	0.11
Stage6	0.35	0.03	0.01
Stage6	-0.05	0.02	-0.02
Stage6	-0.45	0.01	-0.03
Stage6	-0.85	0.01	-0.02
Stage6	-1.25	0.01	-0.01
Stage6	-1.45	0	0
Stage6	-1.85	0	0
Stage6	-2.25	0	0
Stage6	-2.65	0	0
Stage6	-3.05	0	0
Stage6	-3.45	0	0
Stage6	-3.85	0	0
Stage6	-4.25	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage6	-4.65	0	0
Stage6	-5.05	0	0
Stage6	-5.45	0	0
Stage6	-5.85	0	0
Stage6	-6.25	0	0
Stage6	-6.45	0	0
Stage6	-6.85	0	0
Stage6	-7.25	0	0
Stage6	-7.65	0	0
Stage6	-8.05	0	0
Stage6	-8.45	0	0
Stage6	-8.85	0	0
Stage6	-9.25	0	0
Stage6	-9.65	0	0
Stage6	-10.05	0	0
Stage6	-10.45	0	0
Stage6	-10.85	0	0
Stage6	-11.25	0	0
Stage6	-11.65	0	0
Stage6	-12.05	0	0
Stage6	-12.45	0	0
Stage6	-12.85	0	0
Stage6	-13.25	0	0
Stage6	-13.65	0	0
Stage6	-14.05	0	0
Stage6	-14.45	0	0
Stage6	-14.85	0	0
Stage6	-15.25	0	0
Stage6	-15.65	0	0
Stage6	-16.05	0	0
Stage6	-16.45	0	0
Stage6	-16.85	0	0
Stage6	-17.25	0	0
Stage6	-17.65	0	0
Stage6	-18.05	0	0
Stage6	-18.45	0	0
Stage6	-18.85	0	0
Stage6	-19.25	0	0
Stage6	-19.65	0	0
Stage6	-20.05	0	0
Stage6	-20.45	0	0
Stage6	-20.85	0	0
Stage6	-21.25	0	0
Stage6	-21.65	0	0
Stage6	-22.05	0	0
Stage6	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage7

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	15.7	0	-2.75
Stage7	15.35	-0.96	-2.75
Stage7	14.95	12.86	34.54
Stage7	14.55	26.53	34.19
Stage7	14.15	39.59	32.65
Stage7	13.75	51.28	29.21
Stage7	13.35	60.84	23.9
Stage7	12.95	67.51	16.7
Stage7	12.55	70.59	7.69
Stage7	12.15	69.39	-3.01
Stage7	11.75	63.37	-15.03
Stage7	11.35	52.08	-28.23
Stage7	10.95	35.15	-42.32
Stage7	10.55	12.4	-56.89
Stage7	10.15	-16.48	-72.2
Stage7	9.95	-33.38	-84.49
Stage7	9.55	-17.92	38.65
Stage7	9.15	-9.87	20.13
Stage7	8.75	-9.78	0.23
Stage7	8.35	-9.7	0.2
Stage7	7.95	-9.65	0.11
Stage7	7.55	-9.67	-0.05
Stage7	7.15	-9.79	-0.31
Stage7	6.75	-10.09	-0.75
Stage7	6.35	-10.59	-1.25
Stage7	5.95	-11.16	-1.42
Stage7	5.55	-11.73	-1.42
Stage7	5.15	-12.3	-1.42
Stage7	4.75	-10.09	5.52
Stage7	4.35	-7.88	5.52
Stage7	3.95	-5.67	5.52
Stage7	3.55	-3.46	5.52
Stage7	3.15	-1.81	4.12
Stage7	2.75	-1.01	2.02
Stage7	2.35	-0.64	0.92
Stage7	1.95	-0.27	0.92
Stage7	1.55	0.1	0.92
Stage7	1.15	0.47	0.92
Stage7	0.75	0.84	0.92
Stage7	0.35	1.21	0.92
Stage7	-0.05	1.58	0.92
Stage7	-0.45	1.95	0.92
Stage7	-0.85	2.32	0.92
Stage7	-1.25	2.69	0.92
Stage7	-1.45	2.7	0.05
Stage7	-1.85	2.12	-1.45
Stage7	-2.25	-2.24	-10.89
Stage7	-2.65	-3.02	-1.95
Stage7	-3.05	-2.28	1.85
Stage7	-3.45	-1.28	2.51
Stage7	-3.85	-0.53	1.88
Stage7	-4.25	-0.12	1.03

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia
Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	-4.65	0.04	0.39
Stage7	-5.05	0.06	0.06
Stage7	-5.45	0.04	-0.07
Stage7	-5.85	0	-0.08
Stage7	-6.25	-0.02	-0.05
Stage7	-6.45	-0.02	-0.03
Stage7	-6.85	-0.03	-0.01
Stage7	-7.25	-0.02	0
Stage7	-7.65	-0.02	0.01
Stage7	-8.05	-0.02	0.01
Stage7	-8.45	-0.01	0.01
Stage7	-8.85	-0.01	0.01
Stage7	-9.25	-0.01	0
Stage7	-9.65	-0.01	0
Stage7	-10.05	-0.01	0
Stage7	-10.45	-0.01	0
Stage7	-10.85	-0.01	0
Stage7	-11.25	-0.01	0
Stage7	-11.65	-0.01	0
Stage7	-12.05	-0.01	0
Stage7	-12.45	0	0
Stage7	-12.85	0	0
Stage7	-13.25	0	0
Stage7	-13.65	0	0
Stage7	-14.05	0	0
Stage7	-14.45	0	0
Stage7	-14.85	0	0
Stage7	-15.25	0	0
Stage7	-15.65	0	0
Stage7	-16.05	0	0
Stage7	-16.45	0	0
Stage7	-16.85	0	0
Stage7	-17.25	0	0
Stage7	-17.65	0	0
Stage7	-18.05	0	0
Stage7	-18.45	0	0
Stage7	-18.85	0	0
Stage7	-19.25	0	0
Stage7	-19.65	0	0
Stage7	-20.05	0	0
Stage7	-20.45	0	0
Stage7	-20.85	0	0
Stage7	-21.25	0	0
Stage7	-21.65	0	0
Stage7	-22.05	0	0
Stage7	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage7

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	15.7	0	2.75
Stage7	15.35	0.96	2.75
Stage7	14.95	-12.86	-34.54
Stage7	14.55	-26.53	-34.19
Stage7	14.15	-39.59	-32.65
Stage7	13.75	-51.28	-29.21
Stage7	13.35	-60.84	-23.9
Stage7	12.95	-67.51	-16.7
Stage7	12.55	-70.59	-7.69
Stage7	12.15	-69.39	3.01
Stage7	11.75	-63.37	15.03
Stage7	11.35	-52.08	28.23
Stage7	10.95	-35.15	42.32
Stage7	10.55	-12.4	56.89
Stage7	10.15	16.48	72.2
Stage7	9.95	33.38	84.49
Stage7	9.55	17.92	-38.65
Stage7	9.15	9.87	-20.13
Stage7	8.75	9.78	-0.23
Stage7	8.35	9.7	-0.2
Stage7	7.95	9.65	-0.11
Stage7	7.55	9.67	0.05
Stage7	7.15	9.79	0.31
Stage7	6.75	10.09	0.75
Stage7	6.35	10.59	1.25
Stage7	5.95	11.16	1.42
Stage7	5.55	11.73	1.42
Stage7	5.15	12.3	1.42
Stage7	4.75	10.09	-5.52
Stage7	4.35	7.88	-5.52
Stage7	3.95	5.67	-5.52
Stage7	3.55	3.46	-5.52
Stage7	3.15	1.81	-4.12
Stage7	2.75	1.01	-2.02
Stage7	2.35	0.64	-0.92
Stage7	1.95	0.27	-0.92
Stage7	1.55	-0.1	-0.92
Stage7	1.15	-0.47	-0.92
Stage7	0.75	-0.84	-0.92
Stage7	0.35	-1.21	-0.92
Stage7	-0.05	-1.58	-0.92
Stage7	-0.45	-1.95	-0.92
Stage7	-0.85	-2.32	-0.92
Stage7	-1.25	-2.69	-0.92
Stage7	-1.45	-2.7	-0.05
Stage7	-1.85	-2.12	1.45
Stage7	-2.25	2.24	10.89
Stage7	-2.65	3.02	1.95
Stage7	-3.05	2.28	-1.85
Stage7	-3.45	1.28	-2.51
Stage7	-3.85	0.53	-1.88
Stage7	-4.25	0.12	-1.03

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage7	-4.65	-0.04	-0.39
Stage7	-5.05	-0.06	-0.06
Stage7	-5.45	-0.04	0.07
Stage7	-5.85	0	0.08
Stage7	-6.25	0.02	0.05
Stage7	-6.45	0.02	0.03
Stage7	-6.85	0.03	0.01
Stage7	-7.25	0.02	0
Stage7	-7.65	0.02	-0.01
Stage7	-8.05	0.02	-0.01
Stage7	-8.45	0.01	-0.01
Stage7	-8.85	0.01	-0.01
Stage7	-9.25	0.01	0
Stage7	-9.65	0.01	0
Stage7	-10.05	0.01	0
Stage7	-10.45	0.01	0
Stage7	-10.85	0.01	0
Stage7	-11.25	0.01	0
Stage7	-11.65	0.01	0
Stage7	-12.05	0.01	0
Stage7	-12.45	0	0
Stage7	-12.85	0	0
Stage7	-13.25	0	0
Stage7	-13.65	0	0
Stage7	-14.05	0	0
Stage7	-14.45	0	0
Stage7	-14.85	0	0
Stage7	-15.25	0	0
Stage7	-15.65	0	0
Stage7	-16.05	0	0
Stage7	-16.45	0	0
Stage7	-16.85	0	0
Stage7	-17.25	0	0
Stage7	-17.65	0	0
Stage7	-18.05	0	0
Stage7	-18.45	0	0
Stage7	-18.85	0	0
Stage7	-19.25	0	0
Stage7	-19.65	0	0
Stage7	-20.05	0	0
Stage7	-20.45	0	0
Stage7	-20.85	0	0
Stage7	-21.25	0	0
Stage7	-21.65	0	0
Stage7	-22.05	0	0
Stage7	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage8

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	15.7	0	-2.75
Stage8	15.35	-0.96	-2.75
Stage8	14.95	12.86	34.54
Stage8	14.55	26.53	34.19
Stage8	14.15	39.59	32.65
Stage8	13.75	51.28	29.21
Stage8	13.35	60.84	23.9
Stage8	12.95	67.51	16.7
Stage8	12.55	70.59	7.69
Stage8	12.15	69.39	-3.01
Stage8	11.75	63.37	-15.03
Stage8	11.35	52.08	-28.23
Stage8	10.95	35.15	-42.32
Stage8	10.55	12.4	-56.89
Stage8	10.15	-16.48	-72.2
Stage8	9.95	-33.38	-84.49
Stage8	9.55	-17.92	38.65
Stage8	9.15	-9.87	20.13
Stage8	8.75	-9.78	0.23
Stage8	8.35	-9.7	0.2
Stage8	7.95	-9.65	0.11
Stage8	7.55	-9.67	-0.05
Stage8	7.15	-9.79	-0.31
Stage8	6.75	-10.09	-0.75
Stage8	6.35	-10.59	-1.25
Stage8	5.95	-11.16	-1.42
Stage8	5.55	-11.73	-1.42
Stage8	5.15	-12.3	-1.42
Stage8	4.75	-10.09	5.52
Stage8	4.35	-7.88	5.52
Stage8	3.95	-5.67	5.52
Stage8	3.55	-3.46	5.52
Stage8	3.15	-1.81	4.12
Stage8	2.75	-1.01	2.02
Stage8	2.35	-0.64	0.92
Stage8	1.95	-0.27	0.92
Stage8	1.55	0.1	0.92
Stage8	1.15	0.47	0.92
Stage8	0.75	0.84	0.92
Stage8	0.35	1.21	0.92
Stage8	-0.05	1.58	0.92
Stage8	-0.45	1.95	0.92
Stage8	-0.85	2.32	0.92
Stage8	-1.25	2.69	0.92
Stage8	-1.45	2.7	0.05
Stage8	-1.85	2.12	-1.45
Stage8	-2.25	-2.24	-10.89
Stage8	-2.65	-3.02	-1.95
Stage8	-3.05	-2.28	1.85
Stage8	-3.45	-1.28	2.51
Stage8	-3.85	-0.53	1.88
Stage8	-4.25	-0.12	1.03

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia
Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	-4.65	0.04	0.39
Stage8	-5.05	0.06	0.06
Stage8	-5.45	0.04	-0.07
Stage8	-5.85	0	-0.08
Stage8	-6.25	-0.02	-0.05
Stage8	-6.45	-0.02	-0.03
Stage8	-6.85	-0.03	-0.01
Stage8	-7.25	-0.02	0
Stage8	-7.65	-0.02	0.01
Stage8	-8.05	-0.02	0.01
Stage8	-8.45	-0.01	0.01
Stage8	-8.85	-0.01	0.01
Stage8	-9.25	-0.01	0
Stage8	-9.65	-0.01	0
Stage8	-10.05	-0.01	0
Stage8	-10.45	-0.01	0
Stage8	-10.85	-0.01	0
Stage8	-11.25	-0.01	0
Stage8	-11.65	-0.01	0
Stage8	-12.05	-0.01	0
Stage8	-12.45	0	0
Stage8	-12.85	0	0
Stage8	-13.25	0	0
Stage8	-13.65	0	0
Stage8	-14.05	0	0
Stage8	-14.45	0	0
Stage8	-14.85	0	0
Stage8	-15.25	0	0
Stage8	-15.65	0	0
Stage8	-16.05	0	0
Stage8	-16.45	0	0
Stage8	-16.85	0	0
Stage8	-17.25	0	0
Stage8	-17.65	0	0
Stage8	-18.05	0	0
Stage8	-18.45	0	0
Stage8	-18.85	0	0
Stage8	-19.25	0	0
Stage8	-19.65	0	0
Stage8	-20.05	0	0
Stage8	-20.45	0	0
Stage8	-20.85	0	0
Stage8	-21.25	0	0
Stage8	-21.65	0	0
Stage8	-22.05	0	0
Stage8	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage8

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	15.7	0	2.75
Stage8	15.35	0.96	2.75
Stage8	14.95	-12.86	-34.54
Stage8	14.55	-26.53	-34.19
Stage8	14.15	-39.59	-32.65
Stage8	13.75	-51.28	-29.21
Stage8	13.35	-60.84	-23.9
Stage8	12.95	-67.51	-16.7
Stage8	12.55	-70.59	-7.69
Stage8	12.15	-69.39	3.01
Stage8	11.75	-63.37	15.03
Stage8	11.35	-52.08	28.23
Stage8	10.95	-35.15	42.32
Stage8	10.55	-12.4	56.89
Stage8	10.15	16.48	72.2
Stage8	9.95	33.38	84.49
Stage8	9.55	17.92	-38.65
Stage8	9.15	9.87	-20.13
Stage8	8.75	9.78	-0.23
Stage8	8.35	9.7	-0.2
Stage8	7.95	9.65	-0.11
Stage8	7.55	9.67	0.05
Stage8	7.15	9.79	0.31
Stage8	6.75	10.09	0.75
Stage8	6.35	10.59	1.25
Stage8	5.95	11.16	1.42
Stage8	5.55	11.73	1.42
Stage8	5.15	12.3	1.42
Stage8	4.75	10.09	-5.52
Stage8	4.35	7.88	-5.52
Stage8	3.95	5.67	-5.52
Stage8	3.55	3.46	-5.52
Stage8	3.15	1.81	-4.12
Stage8	2.75	1.01	-2.02
Stage8	2.35	0.64	-0.92
Stage8	1.95	0.27	-0.92
Stage8	1.55	-0.1	-0.92
Stage8	1.15	-0.47	-0.92
Stage8	0.75	-0.84	-0.92
Stage8	0.35	-1.21	-0.92
Stage8	-0.05	-1.58	-0.92
Stage8	-0.45	-1.95	-0.92
Stage8	-0.85	-2.32	-0.92
Stage8	-1.25	-2.69	-0.92
Stage8	-1.45	-2.7	-0.05
Stage8	-1.85	-2.12	1.45
Stage8	-2.25	2.24	10.89
Stage8	-2.65	3.02	1.95
Stage8	-3.05	2.28	-1.85
Stage8	-3.45	1.28	-2.51
Stage8	-3.85	0.53	-1.88
Stage8	-4.25	0.12	-1.03

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage8	-4.65	-0.04	-0.39
Stage8	-5.05	-0.06	-0.06
Stage8	-5.45	-0.04	0.07
Stage8	-5.85	0	0.08
Stage8	-6.25	0.02	0.05
Stage8	-6.45	0.02	0.03
Stage8	-6.85	0.03	0.01
Stage8	-7.25	0.02	0
Stage8	-7.65	0.02	-0.01
Stage8	-8.05	0.02	-0.01
Stage8	-8.45	0.01	-0.01
Stage8	-8.85	0.01	-0.01
Stage8	-9.25	0.01	0
Stage8	-9.65	0.01	0
Stage8	-10.05	0.01	0
Stage8	-10.45	0.01	0
Stage8	-10.85	0.01	0
Stage8	-11.25	0.01	0
Stage8	-11.65	0.01	0
Stage8	-12.05	0.01	0
Stage8	-12.45	0	0
Stage8	-12.85	0	0
Stage8	-13.25	0	0
Stage8	-13.65	0	0
Stage8	-14.05	0	0
Stage8	-14.45	0	0
Stage8	-14.85	0	0
Stage8	-15.25	0	0
Stage8	-15.65	0	0
Stage8	-16.05	0	0
Stage8	-16.45	0	0
Stage8	-16.85	0	0
Stage8	-17.25	0	0
Stage8	-17.65	0	0
Stage8	-18.05	0	0
Stage8	-18.45	0	0
Stage8	-18.85	0	0
Stage8	-19.25	0	0
Stage8	-19.65	0	0
Stage8	-20.05	0	0
Stage8	-20.45	0	0
Stage8	-20.85	0	0
Stage8	-21.25	0	0
Stage8	-21.65	0	0
Stage8	-22.05	0	0
Stage8	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage9

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	15.7	0	-2.75
Stage9	15.35	-0.96	-2.75
Stage9	14.95	12.86	34.54
Stage9	14.55	26.53	34.19
Stage9	14.15	39.59	32.65
Stage9	13.75	51.28	29.21
Stage9	13.35	60.84	23.9
Stage9	12.95	67.51	16.7
Stage9	12.55	70.59	7.69
Stage9	12.15	69.39	-3.01
Stage9	11.75	63.37	-15.03
Stage9	11.35	52.08	-28.23
Stage9	10.95	35.15	-42.32
Stage9	10.55	12.4	-56.89
Stage9	10.15	-16.48	-72.2
Stage9	9.95	-33.38	-84.49
Stage9	9.55	-17.92	38.65
Stage9	9.15	-9.87	20.13
Stage9	8.75	-9.78	0.23
Stage9	8.35	-9.7	0.2
Stage9	7.95	-9.65	0.11
Stage9	7.55	-9.67	-0.05
Stage9	7.15	-9.79	-0.3
Stage9	6.75	-10.09	-0.75
Stage9	6.35	-10.59	-1.25
Stage9	5.95	-11.16	-1.42
Stage9	5.55	-11.73	-1.42
Stage9	5.15	-12.3	-1.43
Stage9	4.75	-10.1	5.52
Stage9	4.35	-7.89	5.51
Stage9	3.95	-5.69	5.51
Stage9	3.55	-3.49	5.51
Stage9	3.15	-1.84	4.13
Stage9	2.75	-1.01	2.06
Stage9	2.35	-0.59	1.05
Stage9	1.95	-0.17	1.05
Stage9	1.55	0.25	1.04
Stage9	1.15	0.66	1.02
Stage9	0.75	1.03	0.95
Stage9	0.35	1.28	0.61
Stage9	-0.05	1.25	-0.08
Stage9	-0.45	0.78	-1.16
Stage9	-0.85	-0.16	-2.36
Stage9	-1.25	-1.32	-2.9
Stage9	-1.45	-1.9	-2.9
Stage9	-1.85	-1.46	1.09
Stage9	-2.25	-1.03	1.09
Stage9	-2.65	-0.59	1.09
Stage9	-3.05	-0.16	1.09
Stage9	-3.45	0.28	1.09
Stage9	-3.85	0.72	1.09
Stage9	-4.25	1.15	1.09

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia
Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	-4.65	1.59	1.09
Stage9	-5.05	2.03	1.09
Stage9	-5.45	2.46	1.09
Stage9	-5.85	2.9	1.09
Stage9	-6.25	3.33	1.09
Stage9	-6.45	3.38	0.22
Stage9	-6.85	2.51	-2.17
Stage9	-7.25	-3.24	-14.38
Stage9	-7.65	-4.16	-2.3
Stage9	-8.05	-3.08	2.7
Stage9	-8.45	-1.69	3.47
Stage9	-8.85	-0.68	2.54
Stage9	-9.25	-0.13	1.36
Stage9	-9.65	0.07	0.51
Stage9	-10.05	0.1	0.06
Stage9	-10.45	0.05	-0.1
Stage9	-10.85	0.01	-0.11
Stage9	-11.25	-0.02	-0.07
Stage9	-11.65	-0.03	-0.03
Stage9	-12.05	-0.03	0
Stage9	-12.45	-0.03	0.01
Stage9	-12.85	-0.02	0.01
Stage9	-13.25	-0.02	0.01
Stage9	-13.65	-0.02	0.01
Stage9	-14.05	-0.01	0.01
Stage9	-14.45	-0.01	0
Stage9	-14.85	-0.01	0
Stage9	-15.25	-0.01	0
Stage9	-15.65	-0.01	0
Stage9	-16.05	-0.01	0
Stage9	-16.45	-0.01	0
Stage9	-16.85	-0.01	0
Stage9	-17.25	-0.01	0
Stage9	-17.65	-0.01	0
Stage9	-18.05	-0.01	0
Stage9	-18.45	-0.01	0
Stage9	-18.85	-0.01	0
Stage9	-19.25	0	0
Stage9	-19.65	0	0
Stage9	-20.05	0	0
Stage9	-20.45	0	0
Stage9	-20.85	0	0
Stage9	-21.25	0	0
Stage9	-21.65	0	0
Stage9	-22.05	0	0
Stage9	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage9

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	15.7	0	2.75
Stage9	15.35	0.96	2.75
Stage9	14.95	-12.86	-34.54
Stage9	14.55	-26.53	-34.19
Stage9	14.15	-39.59	-32.65
Stage9	13.75	-51.28	-29.21
Stage9	13.35	-60.84	-23.9
Stage9	12.95	-67.51	-16.7
Stage9	12.55	-70.59	-7.69
Stage9	12.15	-69.39	3.01
Stage9	11.75	-63.37	15.03
Stage9	11.35	-52.08	28.23
Stage9	10.95	-35.15	42.32
Stage9	10.55	-12.4	56.89
Stage9	10.15	16.48	72.2
Stage9	9.95	33.38	84.49
Stage9	9.55	17.92	-38.65
Stage9	9.15	9.87	-20.13
Stage9	8.75	9.78	-0.23
Stage9	8.35	9.7	-0.2
Stage9	7.95	9.65	-0.11
Stage9	7.55	9.67	0.05
Stage9	7.15	9.79	0.3
Stage9	6.75	10.09	0.75
Stage9	6.35	10.59	1.25
Stage9	5.95	11.16	1.42
Stage9	5.55	11.73	1.42
Stage9	5.15	12.3	1.43
Stage9	4.75	10.1	-5.52
Stage9	4.35	7.89	-5.51
Stage9	3.95	5.69	-5.51
Stage9	3.55	3.49	-5.51
Stage9	3.15	1.84	-4.13
Stage9	2.75	1.01	-2.06
Stage9	2.35	0.59	-1.05
Stage9	1.95	0.17	-1.05
Stage9	1.55	-0.25	-1.04
Stage9	1.15	-0.66	-1.02
Stage9	0.75	-1.03	-0.95
Stage9	0.35	-1.28	-0.61
Stage9	-0.05	-1.25	0.08
Stage9	-0.45	-0.78	1.16
Stage9	-0.85	0.16	2.36
Stage9	-1.25	1.32	2.9
Stage9	-1.45	1.9	2.9
Stage9	-1.85	1.46	-1.09
Stage9	-2.25	1.03	-1.09
Stage9	-2.65	0.59	-1.09
Stage9	-3.05	0.16	-1.09
Stage9	-3.45	-0.28	-1.09
Stage9	-3.85	-0.72	-1.09
Stage9	-4.25	-1.15	-1.09

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia
Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage9	-4.65	-1.59	-1.09
Stage9	-5.05	-2.03	-1.09
Stage9	-5.45	-2.46	-1.09
Stage9	-5.85	-2.9	-1.09
Stage9	-6.25	-3.33	-1.09
Stage9	-6.45	-3.38	-0.22
Stage9	-6.85	-2.51	2.17
Stage9	-7.25	3.24	14.38
Stage9	-7.65	4.16	2.3
Stage9	-8.05	3.08	-2.7
Stage9	-8.45	1.69	-3.47
Stage9	-8.85	0.68	-2.54
Stage9	-9.25	0.13	-1.36
Stage9	-9.65	-0.07	-0.51
Stage9	-10.05	-0.1	-0.06
Stage9	-10.45	-0.05	0.1
Stage9	-10.85	-0.01	0.11
Stage9	-11.25	0.02	0.07
Stage9	-11.65	0.03	0.03
Stage9	-12.05	0.03	0
Stage9	-12.45	0.03	-0.01
Stage9	-12.85	0.02	-0.01
Stage9	-13.25	0.02	-0.01
Stage9	-13.65	0.02	-0.01
Stage9	-14.05	0.01	-0.01
Stage9	-14.45	0.01	0
Stage9	-14.85	0.01	0
Stage9	-15.25	0.01	0
Stage9	-15.65	0.01	0
Stage9	-16.05	0.01	0
Stage9	-16.45	0.01	0
Stage9	-16.85	0.01	0
Stage9	-17.25	0.01	0
Stage9	-17.65	0.01	0
Stage9	-18.05	0.01	0
Stage9	-18.45	0.01	0
Stage9	-18.85	0.01	0
Stage9	-19.25	0	0
Stage9	-19.65	0	0
Stage9	-20.05	0	0
Stage9	-20.45	0	0
Stage9	-20.85	0	0
Stage9	-21.25	0	0
Stage9	-21.65	0	0
Stage9	-22.05	0	0
Stage9	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Paratia Nominal - Stage: Stage10

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	15.7	0	-2.75
Stage10	15.35	-0.96	-2.75
Stage10	14.95	12.86	34.54
Stage10	14.55	26.53	34.19
Stage10	14.15	39.59	32.65
Stage10	13.75	51.28	29.21
Stage10	13.35	60.84	23.9
Stage10	12.95	67.51	16.7
Stage10	12.55	70.59	7.69
Stage10	12.15	69.39	-3.01
Stage10	11.75	63.37	-15.03
Stage10	11.35	52.08	-28.23
Stage10	10.95	35.15	-42.32
Stage10	10.55	12.4	-56.89
Stage10	10.15	-16.48	-72.2
Stage10	9.95	-33.38	-84.49
Stage10	9.55	-17.92	38.65
Stage10	9.15	-9.87	20.13
Stage10	8.75	-9.78	0.23
Stage10	8.35	-9.7	0.2
Stage10	7.95	-9.65	0.11
Stage10	7.55	-9.67	-0.05
Stage10	7.15	-9.79	-0.3
Stage10	6.75	-10.09	-0.75
Stage10	6.35	-10.59	-1.25
Stage10	5.95	-11.16	-1.42
Stage10	5.55	-11.73	-1.42
Stage10	5.15	-12.3	-1.43
Stage10	4.75	-10.1	5.52
Stage10	4.35	-7.89	5.51
Stage10	3.95	-5.69	5.51
Stage10	3.55	-3.49	5.51
Stage10	3.15	-1.84	4.13
Stage10	2.75	-1.01	2.06
Stage10	2.35	-0.59	1.05
Stage10	1.95	-0.17	1.05
Stage10	1.55	0.25	1.04
Stage10	1.15	0.66	1.02
Stage10	0.75	1.03	0.95
Stage10	0.35	1.28	0.61
Stage10	-0.05	1.25	-0.08
Stage10	-0.45	0.78	-1.16
Stage10	-0.85	-0.16	-2.36
Stage10	-1.25	-1.32	-2.9
Stage10	-1.45	-1.9	-2.9
Stage10	-1.85	-1.46	1.09
Stage10	-2.25	-1.03	1.09
Stage10	-2.65	-0.59	1.09
Stage10	-3.05	-0.16	1.09
Stage10	-3.45	0.28	1.09
Stage10	-3.85	0.72	1.09
Stage10	-4.25	1.15	1.09

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	-4.65	1.59	1.09
Stage10	-5.05	2.03	1.09
Stage10	-5.45	2.46	1.09
Stage10	-5.85	2.9	1.09
Stage10	-6.25	3.33	1.09
Stage10	-6.45	3.38	0.22
Stage10	-6.85	2.51	-2.17
Stage10	-7.25	-3.24	-14.38
Stage10	-7.65	-4.16	-2.3
Stage10	-8.05	-3.08	2.7
Stage10	-8.45	-1.69	3.47
Stage10	-8.85	-0.68	2.54
Stage10	-9.25	-0.13	1.36
Stage10	-9.65	0.07	0.51
Stage10	-10.05	0.1	0.06
Stage10	-10.45	0.05	-0.1
Stage10	-10.85	0.01	-0.11
Stage10	-11.25	-0.02	-0.07
Stage10	-11.65	-0.03	-0.03
Stage10	-12.05	-0.03	0
Stage10	-12.45	-0.03	0.01
Stage10	-12.85	-0.02	0.01
Stage10	-13.25	-0.02	0.01
Stage10	-13.65	-0.02	0.01
Stage10	-14.05	-0.01	0.01
Stage10	-14.45	-0.01	0
Stage10	-14.85	-0.01	0
Stage10	-15.25	-0.01	0
Stage10	-15.65	-0.01	0
Stage10	-16.05	-0.01	0
Stage10	-16.45	-0.01	0
Stage10	-16.85	-0.01	0
Stage10	-17.25	-0.01	0
Stage10	-17.65	-0.01	0
Stage10	-18.05	-0.01	0
Stage10	-18.45	-0.01	0
Stage10	-18.85	-0.01	0
Stage10	-19.25	0	0
Stage10	-19.65	0	0
Stage10	-20.05	0	0
Stage10	-20.45	0	0
Stage10	-20.85	0	0
Stage10	-21.25	0	0
Stage10	-21.65	0	0
Stage10	-22.05	0	0
Stage10	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage10

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	15.7	0	2.75
Stage10	15.35	0.96	2.75
Stage10	14.95	-12.86	-34.54
Stage10	14.55	-26.53	-34.19
Stage10	14.15	-39.59	-32.65
Stage10	13.75	-51.28	-29.21
Stage10	13.35	-60.84	-23.9
Stage10	12.95	-67.51	-16.7
Stage10	12.55	-70.59	-7.69
Stage10	12.15	-69.39	3.01
Stage10	11.75	-63.37	15.03
Stage10	11.35	-52.08	28.23
Stage10	10.95	-35.15	42.32
Stage10	10.55	-12.4	56.89
Stage10	10.15	16.48	72.2
Stage10	9.95	33.38	84.49
Stage10	9.55	17.92	-38.65
Stage10	9.15	9.87	-20.13
Stage10	8.75	9.78	-0.23
Stage10	8.35	9.7	-0.2
Stage10	7.95	9.65	-0.11
Stage10	7.55	9.67	0.05
Stage10	7.15	9.79	0.3
Stage10	6.75	10.09	0.75
Stage10	6.35	10.59	1.25
Stage10	5.95	11.16	1.42
Stage10	5.55	11.73	1.42
Stage10	5.15	12.3	1.43
Stage10	4.75	10.1	-5.52
Stage10	4.35	7.89	-5.51
Stage10	3.95	5.69	-5.51
Stage10	3.55	3.49	-5.51
Stage10	3.15	1.84	-4.13
Stage10	2.75	1.01	-2.06
Stage10	2.35	0.59	-1.05
Stage10	1.95	0.17	-1.05
Stage10	1.55	-0.25	-1.04
Stage10	1.15	-0.66	-1.02
Stage10	0.75	-1.03	-0.95
Stage10	0.35	-1.28	-0.61
Stage10	-0.05	-1.25	0.08
Stage10	-0.45	-0.78	1.16
Stage10	-0.85	0.16	2.36
Stage10	-1.25	1.32	2.9
Stage10	-1.45	1.9	2.9
Stage10	-1.85	1.46	-1.09
Stage10	-2.25	1.03	-1.09
Stage10	-2.65	0.59	-1.09
Stage10	-3.05	0.16	-1.09
Stage10	-3.45	-0.28	-1.09
Stage10	-3.85	-0.72	-1.09
Stage10	-4.25	-1.15	-1.09

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage10	-4.65	-1.59	-1.09
Stage10	-5.05	-2.03	-1.09
Stage10	-5.45	-2.46	-1.09
Stage10	-5.85	-2.9	-1.09
Stage10	-6.25	-3.33	-1.09
Stage10	-6.45	-3.38	-0.22
Stage10	-6.85	-2.51	2.17
Stage10	-7.25	3.24	14.38
Stage10	-7.65	4.16	2.3
Stage10	-8.05	3.08	-2.7
Stage10	-8.45	1.69	-3.47
Stage10	-8.85	0.68	-2.54
Stage10	-9.25	0.13	-1.36
Stage10	-9.65	-0.07	-0.51
Stage10	-10.05	-0.1	-0.06
Stage10	-10.45	-0.05	0.1
Stage10	-10.85	-0.01	0.11
Stage10	-11.25	0.02	0.07
Stage10	-11.65	0.03	0.03
Stage10	-12.05	0.03	0
Stage10	-12.45	0.03	-0.01
Stage10	-12.85	0.02	-0.01
Stage10	-13.25	0.02	-0.01
Stage10	-13.65	0.02	-0.01
Stage10	-14.05	0.01	-0.01
Stage10	-14.45	0.01	0
Stage10	-14.85	0.01	0
Stage10	-15.25	0.01	0
Stage10	-15.65	0.01	0
Stage10	-16.05	0.01	0
Stage10	-16.45	0.01	0
Stage10	-16.85	0.01	0
Stage10	-17.25	0.01	0
Stage10	-17.65	0.01	0
Stage10	-18.05	0.01	0
Stage10	-18.45	0.01	0
Stage10	-18.85	0.01	0
Stage10	-19.25	0	0
Stage10	-19.65	0	0
Stage10	-20.05	0	0
Stage10	-20.45	0	0
Stage10	-20.85	0	0
Stage10	-21.25	0	0
Stage10	-21.65	0	0
Stage10	-22.05	0	0
Stage10	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage11

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage11	15.7	0	-2.75
Stage11	15.35	-0.96	-2.75
Stage11	14.95	12.86	34.54
Stage11	14.55	26.53	34.19
Stage11	14.15	39.59	32.65
Stage11	13.75	51.28	29.21
Stage11	13.35	60.84	23.9
Stage11	12.95	67.51	16.7
Stage11	12.55	70.59	7.69
Stage11	12.15	69.39	-3.01
Stage11	11.75	63.37	-15.03
Stage11	11.35	52.08	-28.23
Stage11	10.95	35.15	-42.32
Stage11	10.55	12.4	-56.89
Stage11	10.15	-16.48	-72.2
Stage11	9.95	-33.38	-84.49
Stage11	9.55	-17.92	38.65
Stage11	9.15	-9.87	20.13
Stage11	8.75	-9.78	0.23
Stage11	8.35	-9.7	0.2
Stage11	7.95	-9.65	0.11
Stage11	7.55	-9.67	-0.05
Stage11	7.15	-9.79	-0.3
Stage11	6.75	-10.09	-0.75
Stage11	6.35	-10.59	-1.25
Stage11	5.95	-11.16	-1.42
Stage11	5.55	-11.73	-1.42
Stage11	5.15	-12.3	-1.43
Stage11	4.75	-10.1	5.52
Stage11	4.35	-7.89	5.51
Stage11	3.95	-5.69	5.51
Stage11	3.55	-3.49	5.51
Stage11	3.15	-1.84	4.13
Stage11	2.75	-1.01	2.06
Stage11	2.35	-0.59	1.05
Stage11	1.95	-0.17	1.05
Stage11	1.55	0.25	1.04
Stage11	1.15	0.66	1.02
Stage11	0.75	1.03	0.94
Stage11	0.35	1.28	0.6
Stage11	-0.05	1.23	-0.1
Stage11	-0.45	0.76	-1.19
Stage11	-0.85	-0.19	-2.38
Stage11	-1.25	-1.36	-2.9
Stage11	-1.45	-1.94	-2.9
Stage11	-1.85	-1.46	1.2
Stage11	-2.25	-0.98	1.2
Stage11	-2.65	-0.5	1.2
Stage11	-3.05	-0.02	1.2
Stage11	-3.45	0.46	1.2
Stage11	-3.85	0.93	1.18
Stage11	-4.25	1.38	1.12

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage11	-4.65	1.66	0.72
Stage11	-5.05	1.6	-0.15
Stage11	-5.45	1.01	-1.5
Stage11	-5.85	-0.19	-3
Stage11	-6.25	-1.67	-3.68
Stage11	-6.45	-2.4	-3.68
Stage11	-6.85	-1.89	1.29
Stage11	-7.25	-1.37	1.29
Stage11	-7.65	-0.86	1.29
Stage11	-8.05	-0.34	1.29
Stage11	-8.45	0.17	1.29
Stage11	-8.85	0.69	1.29
Stage11	-9.25	1.2	1.29
Stage11	-9.65	1.72	1.29
Stage11	-10.05	2.23	1.29
Stage11	-10.45	2.75	1.29
Stage11	-10.85	3.26	1.29
Stage11	-11.25	3.78	1.29
Stage11	-11.65	4.29	1.29
Stage11	-12.05	2.97	-3.31
Stage11	-12.45	-4.64	-19.02
Stage11	-12.85	-5.57	-2.34
Stage11	-13.25	-3.9	4.19
Stage11	-13.65	-1.98	4.79
Stage11	-14.05	-0.68	3.25
Stage11	-14.45	-0.05	1.57
Stage11	-14.85	0.14	0.48
Stage11	-15.25	0.12	-0.03
Stage11	-15.65	0.06	-0.17
Stage11	-16.05	0	-0.14
Stage11	-16.45	-0.03	-0.08
Stage11	-16.85	-0.04	-0.02
Stage11	-17.25	-0.04	0.01
Stage11	-17.65	-0.03	0.02
Stage11	-18.05	-0.03	0.02
Stage11	-18.45	-0.02	0.01
Stage11	-18.85	-0.02	0.01
Stage11	-19.25	-0.02	0
Stage11	-19.65	-0.01	0
Stage11	-20.05	-0.01	0
Stage11	-20.45	-0.01	0
Stage11	-20.85	-0.01	0
Stage11	-21.25	-0.01	0.01
Stage11	-21.65	0	0.01
Stage11	-22.05	0	0.01
Stage11	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Stage11

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage11	15.7	0	2.75
Stage11	15.35	0.96	2.75
Stage11	14.95	-12.86	-34.54
Stage11	14.55	-26.53	-34.19
Stage11	14.15	-39.59	-32.65
Stage11	13.75	-51.28	-29.21
Stage11	13.35	-60.84	-23.9
Stage11	12.95	-67.51	-16.7
Stage11	12.55	-70.59	-7.69
Stage11	12.15	-69.39	3.01
Stage11	11.75	-63.37	15.03
Stage11	11.35	-52.08	28.23
Stage11	10.95	-35.15	42.32
Stage11	10.55	-12.4	56.89
Stage11	10.15	16.48	72.2
Stage11	9.95	33.38	84.49
Stage11	9.55	17.92	-38.65
Stage11	9.15	9.87	-20.13
Stage11	8.75	9.78	-0.23
Stage11	8.35	9.7	-0.2
Stage11	7.95	9.65	-0.11
Stage11	7.55	9.67	0.05
Stage11	7.15	9.79	0.3
Stage11	6.75	10.09	0.75
Stage11	6.35	10.59	1.25
Stage11	5.95	11.16	1.42
Stage11	5.55	11.73	1.42
Stage11	5.15	12.3	1.43
Stage11	4.75	10.1	-5.52
Stage11	4.35	7.89	-5.51
Stage11	3.95	5.69	-5.51
Stage11	3.55	3.49	-5.51
Stage11	3.15	1.84	-4.13
Stage11	2.75	1.01	-2.06
Stage11	2.35	0.59	-1.05
Stage11	1.95	0.17	-1.05
Stage11	1.55	-0.25	-1.04
Stage11	1.15	-0.66	-1.02
Stage11	0.75	-1.03	-0.94
Stage11	0.35	-1.28	-0.6
Stage11	-0.05	-1.23	0.1
Stage11	-0.45	-0.76	1.19
Stage11	-0.85	0.19	2.38
Stage11	-1.25	1.36	2.9
Stage11	-1.45	1.94	2.9
Stage11	-1.85	1.46	-1.2
Stage11	-2.25	0.98	-1.2
Stage11	-2.65	0.5	-1.2
Stage11	-3.05	0.02	-1.2
Stage11	-3.45	-0.46	-1.2
Stage11	-3.85	-0.93	-1.18
Stage11	-4.25	-1.38	-1.12

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia

Muro: RIGHT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage11	-4.65	-1.66	-0.72
Stage11	-5.05	-1.6	0.15
Stage11	-5.45	-1.01	1.5
Stage11	-5.85	0.19	3
Stage11	-6.25	1.67	3.68
Stage11	-6.45	2.4	3.68
Stage11	-6.85	1.89	-1.29
Stage11	-7.25	1.37	-1.29
Stage11	-7.65	0.86	-1.29
Stage11	-8.05	0.34	-1.29
Stage11	-8.45	-0.17	-1.29
Stage11	-8.85	-0.69	-1.29
Stage11	-9.25	-1.2	-1.29
Stage11	-9.65	-1.72	-1.29
Stage11	-10.05	-2.23	-1.29
Stage11	-10.45	-2.75	-1.29
Stage11	-10.85	-3.26	-1.29
Stage11	-11.25	-3.78	-1.29
Stage11	-11.65	-4.29	-1.29
Stage11	-12.05	-2.97	3.31
Stage11	-12.45	4.64	19.02
Stage11	-12.85	5.57	2.34
Stage11	-13.25	3.9	-4.19
Stage11	-13.65	1.98	-4.79
Stage11	-14.05	0.68	-3.25
Stage11	-14.45	0.05	-1.57
Stage11	-14.85	-0.14	-0.48
Stage11	-15.25	-0.12	0.03
Stage11	-15.65	-0.06	0.17
Stage11	-16.05	0	0.14
Stage11	-16.45	0.03	0.08
Stage11	-16.85	0.04	0.02
Stage11	-17.25	0.04	-0.01
Stage11	-17.65	0.03	-0.02
Stage11	-18.05	0.03	-0.02
Stage11	-18.45	0.02	-0.01
Stage11	-18.85	0.02	-0.01
Stage11	-19.25	0.02	0
Stage11	-19.65	0.01	0
Stage11	-20.05	0.01	0
Stage11	-20.45	0.01	0
Stage11	-20.85	0.01	0
Stage11	-21.25	0.01	-0.01
Stage11	-21.65	0	-0.01
Stage11	-22.05	0	-0.01
Stage11	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Scavo NORM.

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	15.7	0	-2.75
Scavo NORM.	15.35	-0.96	-2.75
Scavo NORM.	14.95	12.86	34.54
Scavo NORM.	14.55	26.53	34.19
Scavo NORM.	14.15	39.59	32.65
Scavo NORM.	13.75	51.28	29.21
Scavo NORM.	13.35	60.84	23.9
Scavo NORM.	12.95	67.51	16.7
Scavo NORM.	12.55	70.59	7.69
Scavo NORM.	12.15	69.39	-3.01
Scavo NORM.	11.75	63.37	-15.03
Scavo NORM.	11.35	52.08	-28.23
Scavo NORM.	10.95	35.15	-42.32
Scavo NORM.	10.55	12.4	-56.89
Scavo NORM.	10.15	-16.48	-72.2
Scavo NORM.	9.95	-33.38	-84.49
Scavo NORM.	9.55	-17.92	38.65
Scavo NORM.	9.15	-9.87	20.13
Scavo NORM.	8.75	-9.78	0.23
Scavo NORM.	8.35	-9.7	0.2
Scavo NORM.	7.95	-9.65	0.11
Scavo NORM.	7.55	-9.67	-0.05
Scavo NORM.	7.15	-9.79	-0.3
Scavo NORM.	6.75	-10.09	-0.75
Scavo NORM.	6.35	-10.59	-1.25
Scavo NORM.	5.95	-11.16	-1.42
Scavo NORM.	5.55	-11.73	-1.42
Scavo NORM.	5.15	-12.3	-1.43
Scavo NORM.	4.75	-10.1	5.52
Scavo NORM.	4.35	-7.89	5.51
Scavo NORM.	3.95	-5.69	5.51
Scavo NORM.	3.55	-3.49	5.51
Scavo NORM.	3.15	-1.84	4.13
Scavo NORM.	2.75	-1.01	2.06
Scavo NORM.	2.35	-0.59	1.05
Scavo NORM.	1.95	-0.17	1.05
Scavo NORM.	1.55	0.25	1.04
Scavo NORM.	1.15	0.66	1.02
Scavo NORM.	0.75	1.03	0.94
Scavo NORM.	0.35	1.28	0.6
Scavo NORM.	-0.05	1.23	-0.1
Scavo NORM.	-0.45	0.76	-1.19
Scavo NORM.	-0.85	-0.19	-2.38
Scavo NORM.	-1.25	-1.35	-2.9
Scavo NORM.	-1.45	-1.94	-2.9
Scavo NORM.	-1.85	-1.46	1.2
Scavo NORM.	-2.25	-0.98	1.2
Scavo NORM.	-2.65	-0.5	1.2
Scavo NORM.	-3.05	-0.02	1.2
Scavo NORM.	-3.45	0.46	1.2
Scavo NORM.	-3.85	0.93	1.18
Scavo NORM.	-4.25	1.38	1.12

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Paratia Muro: LEFT

Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	-4.65	1.66	0.72
Scavo NORM.	-5.05	1.6	-0.15
Scavo NORM.	-5.45	1.01	-1.49
Scavo NORM.	-5.85	-0.19	-2.99
Scavo NORM.	-6.25	-1.65	-3.67
Scavo NORM.	-6.45	-2.39	-3.68
Scavo NORM.	-6.85	-1.88	1.28
Scavo NORM.	-7.25	-1.38	1.24
Scavo NORM.	-7.65	-0.9	1.19
Scavo NORM.	-8.05	-0.45	1.14
Scavo NORM.	-8.45	-0.01	1.1
Scavo NORM.	-8.85	0.44	1.14
Scavo NORM.	-9.25	0.9	1.14
Scavo NORM.	-9.65	1.35	1.14
Scavo NORM.	-10.05	1.81	1.14
Scavo NORM.	-10.45	2.27	1.14
Scavo NORM.	-10.85	2.72	1.14
Scavo NORM.	-11.25	3.18	1.14
Scavo NORM.	-11.65	3.63	1.14
Scavo NORM.	-12.05	4.09	1.14
Scavo NORM.	-12.45	2.87	-3.04
Scavo NORM.	-12.85	-4.5	-18.43
Scavo NORM.	-13.25	-5.58	-2.69
Scavo NORM.	-13.65	-3.95	4.06
Scavo NORM.	-14.05	-2.03	4.8
Scavo NORM.	-14.45	-0.72	3.29
Scavo NORM.	-14.85	-0.07	1.62
Scavo NORM.	-15.25	0.13	0.5
Scavo NORM.	-15.65	0.12	-0.02
Scavo NORM.	-16.05	0.05	-0.17
Scavo NORM.	-16.45	0	-0.14
Scavo NORM.	-16.85	-0.03	-0.08
Scavo NORM.	-17.25	-0.04	-0.02
Scavo NORM.	-17.65	-0.04	0.01
Scavo NORM.	-18.05	-0.03	0.02
Scavo NORM.	-18.45	-0.03	0.02
Scavo NORM.	-18.85	-0.02	0.01
Scavo NORM.	-19.25	-0.02	0.01
Scavo NORM.	-19.65	-0.02	0
Scavo NORM.	-20.05	-0.01	0
Scavo NORM.	-20.45	-0.01	0
Scavo NORM.	-20.85	-0.01	0
Scavo NORM.	-21.25	-0.01	0.01
Scavo NORM.	-21.65	-0.01	0.01
Scavo NORM.	-22.05	0	0.01
Scavo NORM.	-22.3	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Paratia Nominal - Stage: Scavo NORM.

Design Assumption: Nominal Risultati Paratia		Muro: RIGHT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	15.7	0	2.75
Scavo NORM.	15.35	0.96	2.75
Scavo NORM.	14.95	-12.86	-34.54
Scavo NORM.	14.55	-26.53	-34.19
Scavo NORM.	14.15	-39.59	-32.65
Scavo NORM.	13.75	-51.28	-29.21
Scavo NORM.	13.35	-60.84	-23.9
Scavo NORM.	12.95	-67.51	-16.7
Scavo NORM.	12.55	-70.59	-7.69
Scavo NORM.	12.15	-69.39	3.01
Scavo NORM.	11.75	-63.37	15.03
Scavo NORM.	11.35	-52.08	28.23
Scavo NORM.	10.95	-35.15	42.32
Scavo NORM.	10.55	-12.4	56.89
Scavo NORM.	10.15	16.48	72.2
Scavo NORM.	9.95	33.38	84.49
Scavo NORM.	9.55	17.92	-38.65
Scavo NORM.	9.15	9.87	-20.13
Scavo NORM.	8.75	9.78	-0.23
Scavo NORM.	8.35	9.7	-0.2
Scavo NORM.	7.95	9.65	-0.11
Scavo NORM.	7.55	9.67	0.05
Scavo NORM.	7.15	9.79	0.3
Scavo NORM.	6.75	10.09	0.75
Scavo NORM.	6.35	10.59	1.25
Scavo NORM.	5.95	11.16	1.42
Scavo NORM.	5.55	11.73	1.42
Scavo NORM.	5.15	12.3	1.43
Scavo NORM.	4.75	10.1	-5.52
Scavo NORM.	4.35	7.89	-5.51
Scavo NORM.	3.95	5.69	-5.51
Scavo NORM.	3.55	3.49	-5.51
Scavo NORM.	3.15	1.84	-4.13
Scavo NORM.	2.75	1.01	-2.06
Scavo NORM.	2.35	0.59	-1.05
Scavo NORM.	1.95	0.17	-1.05
Scavo NORM.	1.55	-0.25	-1.04
Scavo NORM.	1.15	-0.66	-1.02
Scavo NORM.	0.75	-1.03	-0.94
Scavo NORM.	0.35	-1.28	-0.6
Scavo NORM.	-0.05	-1.23	0.1
Scavo NORM.	-0.45	-0.76	1.19
Scavo NORM.	-0.85	0.19	2.38
Scavo NORM.	-1.25	1.35	2.9
Scavo NORM.	-1.45	1.94	2.9
Scavo NORM.	-1.85	1.46	-1.2
Scavo NORM.	-2.25	0.98	-1.2
Scavo NORM.	-2.65	0.5	-1.2
Scavo NORM.	-3.05	0.02	-1.2
Scavo NORM.	-3.45	-0.46	-1.2
Scavo NORM.	-3.85	-0.93	-1.18
Scavo NORM.	-4.25	-1.38	-1.12

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Paratia Muro: RIGHT

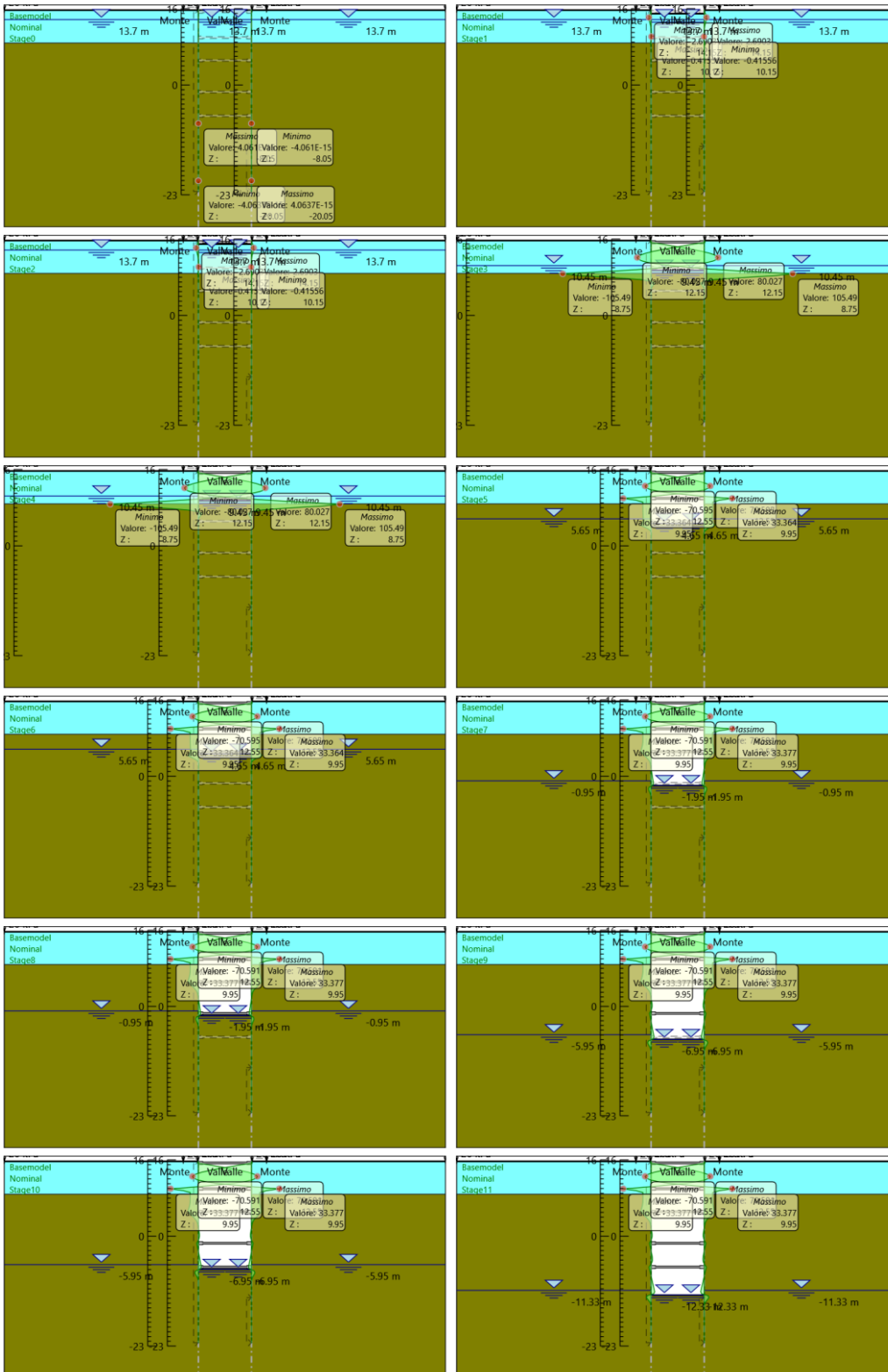
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Scavo NORM.	-4.65	-1.66	-0.72
Scavo NORM.	-5.05	-1.6	0.15
Scavo NORM.	-5.45	-1.01	1.49
Scavo NORM.	-5.85	0.19	2.99
Scavo NORM.	-6.25	1.65	3.67
Scavo NORM.	-6.45	2.39	3.68
Scavo NORM.	-6.85	1.88	-1.28
Scavo NORM.	-7.25	1.38	-1.24
Scavo NORM.	-7.65	0.9	-1.19
Scavo NORM.	-8.05	0.45	-1.14
Scavo NORM.	-8.45	0.01	-1.1
Scavo NORM.	-8.85	-0.44	-1.14
Scavo NORM.	-9.25	-0.9	-1.14
Scavo NORM.	-9.65	-1.35	-1.14
Scavo NORM.	-10.05	-1.81	-1.14
Scavo NORM.	-10.45	-2.27	-1.14
Scavo NORM.	-10.85	-2.72	-1.14
Scavo NORM.	-11.25	-3.18	-1.14
Scavo NORM.	-11.65	-3.63	-1.14
Scavo NORM.	-12.05	-4.09	-1.14
Scavo NORM.	-12.45	-2.87	3.04
Scavo NORM.	-12.85	4.5	18.43
Scavo NORM.	-13.25	5.58	2.69
Scavo NORM.	-13.65	3.95	-4.06
Scavo NORM.	-14.05	2.03	-4.8
Scavo NORM.	-14.45	0.72	-3.29
Scavo NORM.	-14.85	0.07	-1.62
Scavo NORM.	-15.25	-0.13	-0.5
Scavo NORM.	-15.65	-0.12	0.02
Scavo NORM.	-16.05	-0.05	0.17
Scavo NORM.	-16.45	0	0.14
Scavo NORM.	-16.85	0.03	0.08
Scavo NORM.	-17.25	0.04	0.02
Scavo NORM.	-17.65	0.04	-0.01
Scavo NORM.	-18.05	0.03	-0.02
Scavo NORM.	-18.45	0.03	-0.02
Scavo NORM.	-18.85	0.02	-0.01
Scavo NORM.	-19.25	0.02	-0.01
Scavo NORM.	-19.65	0.02	0
Scavo NORM.	-20.05	0.01	0
Scavo NORM.	-20.45	0.01	0
Scavo NORM.	-20.85	0.01	0
Scavo NORM.	-21.25	0.01	-0.01
Scavo NORM.	-21.65	0.01	-0.01
Scavo NORM.	-22.05	0	-0.01
Scavo NORM.	-22.3	0	0

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

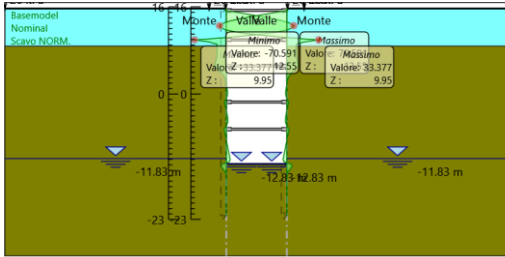
Grafico Momento Nominal



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

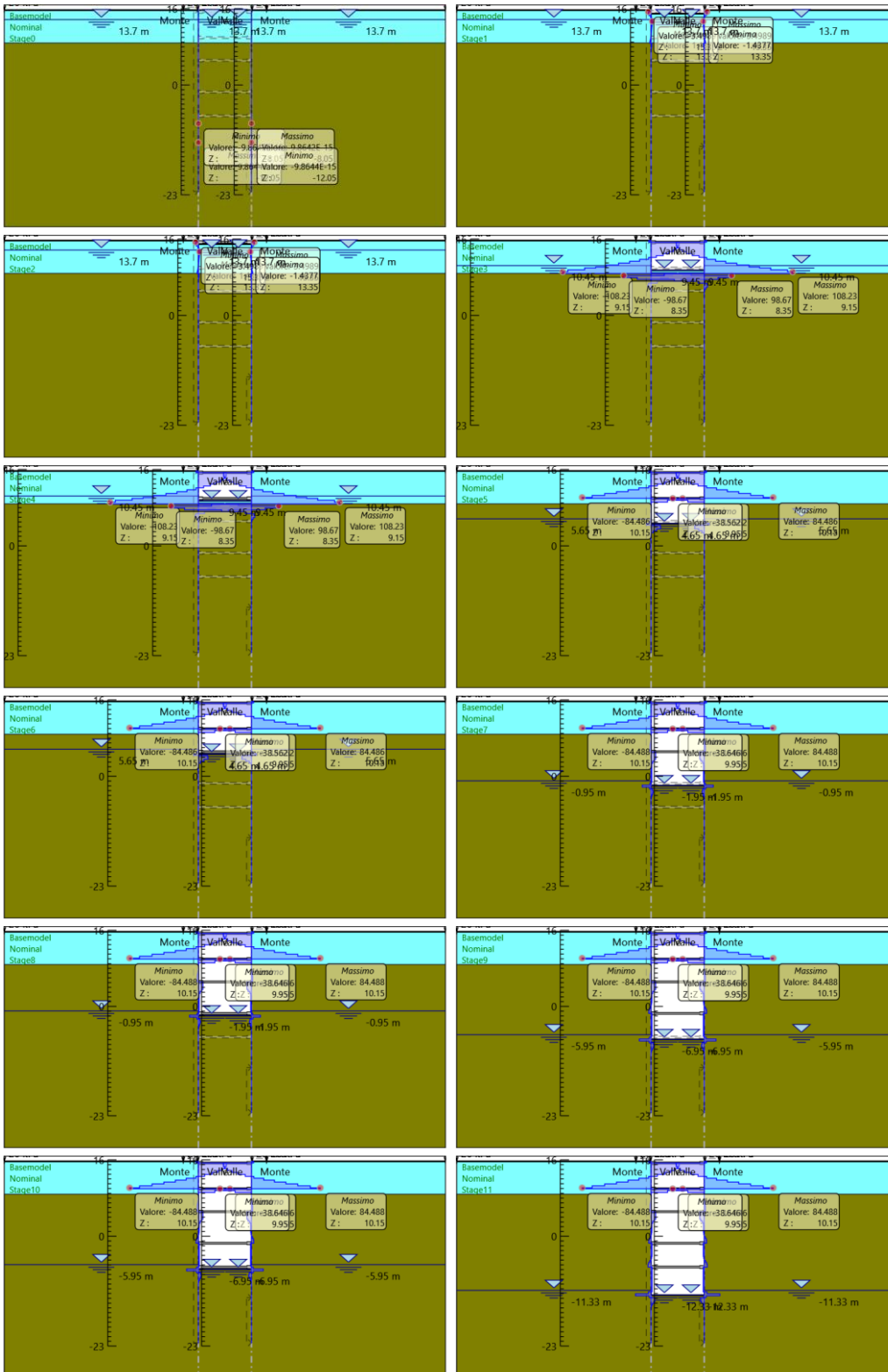


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

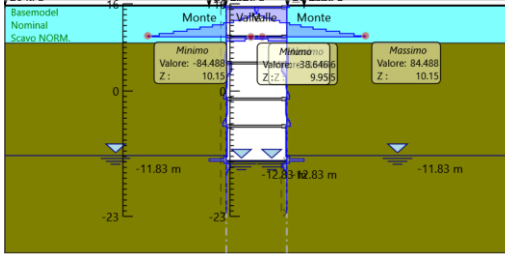
Grafico Taglio Nominal



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Risultati Terreno

Tabella Risultati Terreno Paratia - Nominal - Stage0

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Coazione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C 0.433	2.529	11.2	0	0	0	0
Stage0	15.35	17.458	17.309	V-C 0.433	2.529	11.2	0	0	0	17.309
Stage0	14.95	29.048	22.628	V-C 0.433	2.529	11.2	0	0	0	22.628
Stage0	14.55	38.765	27.79	V-C 0.433	2.529	11.2	0	0	0	27.79
Stage0	14.15	47.577	32.941	V-C 0.433	2.529	11.2	0	0	0	32.941
Stage0	13.75	56.284	38.089	V-C 0.433	2.529	11.2	0	0	0	38.089
Stage0	13.35	61.627	40.913	V-C 0.433	2.529	11.2	3.5	0	0	44.413
Stage0	12.95	66.266	43.405	V-C 0.433	2.529	11.2	7.5	0	0	50.905
Stage0	12.55	70.768	45.898	V-C 0.433	2.529	11.2	11.5	0	0	57.398
Stage0	12.15	73.911	48.39	V-C 0.433	2.529	11.2	15.5	0	0	63.89
Stage0	11.75	77.507	50.884	V-C 0.433	2.529	11.2	19.5	0	0	70.384
Stage0	11.35	81.398	53.378	V-C 0.433	2.529	11.2	23.5	0	0	76.878
Stage0	10.95	85.308	55.873	V-C 0.433	2.529	11.2	27.5	0	0	83.373
Stage0	10.55	89.233	58.368	V-C 0.433	2.529	11.2	31.5	0	0	89.868
Stage0	10.15	93.169	60.864	V-C 0.433	2.529	11.2	35.5	0	0	96.364
Stage0	9.95	95.544	62.113	V-C 0.433	2.529	11.2	37.5	0	0	99.613
Stage0	9.55	99.469	64.61	V-C 0.433	2.529	11.2	41.5	0	0	106.11
Stage0	9.15	103.403	67.109	V-C 0.433	2.529	11.2	45.5	0	0	112.609
Stage0	8.75	107.646	40.353	V-C 0.165	10.98	275.2	49.5	0	0	89.853
Stage0	8.35	113.995	42.348	V-C 0.165	10.98	275.2	53.5	0	0	95.848
Stage0	7.95	120.349	44.344	V-C 0.165	10.98	275.2	57.5	0	0	101.844
Stage0	7.55	126.708	46.341	V-C 0.165	10.98	275.2	61.5	0	0	107.842
Stage0	7.15	133.072	48.34	V-C 0.165	10.98	275.2	65.5	0	0	113.84
Stage0	6.75	139.438	50.34	V-C 0.165	10.98	275.2	69.5	0	0	119.84
Stage0	6.35	145.808	52.34	V-C 0.165	10.98	275.2	73.5	0	0	125.84
Stage0	5.95	152.18	54.343	V-C 0.165	10.98	275.2	77.5	0	0	131.843
Stage0	5.55	159.019	56.346	V-C 0.165	10.98	275.2	81.5	0	0	137.846
Stage0	5.15	165.379	58.351	V-C 0.165	10.98	275.2	85.5	0	0	143.851
Stage0	4.75	171.742	60.358	V-C 0.165	10.98	275.2	89.5	0	0	149.858
Stage0	4.35	178.107	62.366	V-C 0.165	10.98	275.2	93.5	0	0	155.866
Stage0	3.95	184.475	64.375	V-C 0.165	10.98	275.2	97.5	0	0	161.875
Stage0	3.55	190.845	66.386	V-C 0.165	10.98	275.2	101.5	0	0	167.886
Stage0	3.15	197.217	68.398	V-C 0.165	10.98	275.2	105.5	0	0	173.898
Stage0	2.75	203.591	70.412	V-C 0.165	10.98	275.2	109.5	0	0	179.912
Stage0	2.35	209.966	72.428	V-C 0.165	10.98	275.2	113.5	0	0	185.928
Stage0	1.95	216.343	74.445	V-C 0.165	10.98	275.2	117.5	0	0	191.945
Stage0	1.55	222.721	76.464	V-C 0.165	10.98	275.2	121.5	0	0	197.964
Stage0	1.15	229.1	78.484	V-C 0.165	10.98	275.2	125.5	0	0	203.984
Stage0	0.75	235.798	80.507	V-C 0.165	10.98	275.2	129.5	0	0	210.007
Stage0	0.35	242.171	82.53	V-C 0.165	10.98	275.2	133.5	0	0	216.03
Stage0	-0.05	248.546	84.556	V-C 0.165	10.98	275.2	137.5	0	0	222.056
Stage0	-0.45	254.923	86.583	V-C 0.165	10.98	275.2	141.5	0	0	228.083
Stage0	-0.85	261.3	88.612	V-C 0.165	10.98	275.2	145.5	0	0	234.112
Stage0	-1.25	267.678	90.643	V-C 0.165	10.98	275.2	149.5	0	0	240.142
Stage0	-1.45	271.006	91.658	V-C 0.165	10.98	275.2	151.5	0	0	243.158
Stage0	-1.85	277.383	93.692	V-C 0.165	10.98	275.2	155.5	0	0	249.192
Stage0	-2.25	283.761	95.726	V-C 0.165	10.98	275.2	159.5	0	0	255.226
Stage0	-2.65	290.14	97.763	V-C 0.165	10.98	275.2	163.5	0	0	261.263
Stage0	-3.05	296.519	99.801	V-C 0.165	10.98	275.2	167.5	0	0	267.301
Stage0	-3.45	302.9	101.841	V-C 0.165	10.98	275.2	171.5	0	0	273.341

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	-3.85	309.281	103.883	V-C	0.165	10.98	275.2	175.5	0	0	279.383	
Stage0	-4.25	315.663	105.926	V-C	0.165	10.98	275.2	179.5	0	0	285.426	
Stage0	-4.65	322.046	107.972	V-C	0.165	10.98	275.2	183.5	0	0	291.472	
Stage0	-5.05	328.43	110.018	V-C	0.165	10.98	275.2	187.5	0	0	297.518	
Stage0	-5.45	334.814	112.067	V-C	0.165	10.98	275.2	191.5	0	0	303.567	
Stage0	-5.85	341.198	114.117	V-C	0.165	10.98	275.2	195.5	0	0	309.617	
Stage0	-6.25	347.8	116.169	V-C	0.165	10.98	275.2	199.5	0	0	315.669	
Stage0	-6.45	350.884	117.195	V-C	0.165	10.98	275.2	201.5	0	0	318.695	
Stage0	-6.85	357.268	119.25	V-C	0.165	10.98	275.2	205.5	0	0	324.75	
Stage0	-7.25	363.653	121.306	V-C	0.165	10.98	275.2	209.5	0	0	330.806	
Stage0	-7.65	370.038	123.363	V-C	0.165	10.98	275.2	213.5	0	0	336.863	
Stage0	-8.05	376.424	125.422	V-C	0.165	10.98	275.2	217.5	0	0	342.922	
Stage0	-8.45	383.007	127.483	V-C	0.165	10.98	275.2	221.5	0	0	348.983	
Stage0	-8.85	389.391	129.545	V-C	0.165	10.98	275.2	225.5	0	0	355.045	
Stage0	-9.25	395.775	131.609	V-C	0.165	10.98	275.2	229.5	0	0	361.109	
Stage0	-9.65	402.16	133.674	V-C	0.165	10.98	275.2	233.5	0	0	367.174	
Stage0	-10.05	408.545	135.741	V-C	0.165	10.98	275.2	237.5	0	0	373.241	
Stage0	-10.45	414.93	137.81	V-C	0.165	10.98	275.2	241.5	0	0	379.31	
Stage0	-10.85	421.316	139.88	V-C	0.165	10.98	275.2	245.5	0	0	385.38	
Stage0	-11.25	427.703	141.951	V-C	0.165	10.98	275.2	249.5	0	0	391.451	
Stage0	-11.65	434.09	144.024	V-C	0.165	10.98	275.2	253.5	0	0	397.524	
Stage0	-12.05	440.477	146.098	V-C	0.165	10.98	275.2	257.5	0	0	403.598	
Stage0	-12.45	446.864	148.174	V-C	0.165	10.98	275.2	261.5	0	0	409.674	
Stage0	-12.85	453.252	150.251	V-C	0.165	10.98	275.2	265.5	0	0	415.751	
Stage0	-13.25	459.805	152.329	V-C	0.165	10.98	275.2	269.5	0	0	421.829	
Stage0	-13.65	466.191	154.409	V-C	0.165	10.98	275.2	273.5	0	0	427.909	
Stage0	-14.05	472.578	156.49	V-C	0.165	10.98	275.2	277.5	0	0	433.99	
Stage0	-14.45	478.965	158.572	V-C	0.165	10.98	275.2	281.5	0	0	440.072	
Stage0	-14.85	485.352	160.656	V-C	0.165	10.98	275.2	285.5	0	0	446.156	
Stage0	-15.25	491.74	162.741	V-C	0.165	10.98	275.2	289.5	0	0	452.241	
Stage0	-15.65	498.128	164.828	V-C	0.165	10.98	275.2	293.5	0	0	458.327	
Stage0	-16.05	504.516	166.915	V-C	0.165	10.98	275.2	297.5	0	0	464.415	
Stage0	-16.45	510.905	169.004	V-C	0.165	10.98	275.2	301.5	0	0	470.504	
Stage0	-16.85	517.294	171.094	V-C	0.165	10.98	275.2	305.5	0	0	476.593	
Stage0	-17.25	523.683	173.185	V-C	0.165	10.98	275.2	309.5	0	0	482.684	
Stage0	-17.65	530.072	175.277	V-C	0.165	10.98	275.2	313.5	0	0	488.777	
Stage0	-18.05	536.603	177.37	V-C	0.165	10.98	275.2	317.5	0	0	494.87	
Stage0	-18.45	542.992	179.465	V-C	0.165	10.98	275.2	321.5	0	0	500.965	
Stage0	-18.85	549.38	181.56	V-C	0.165	10.98	275.2	325.5	0	0	507.06	
Stage0	-19.25	555.769	183.657	V-C	0.165	10.98	275.2	329.5	0	0	513.157	
Stage0	-19.65	562.158	185.755	V-C	0.165	10.98	275.2	333.5	0	0	519.254	
Stage0	-20.05	568.548	187.853	V-C	0.165	10.98	275.2	337.5	0	0	525.353	
Stage0	-20.45	574.937	189.953	V-C	0.165	10.98	275.2	341.5	0	0	531.453	
Stage0	-20.85	581.327	192.054	V-C	0.165	10.98	275.2	345.5	0	0	537.554	
Stage0	-21.25	587.717	194.156	V-C	0.165	10.98	275.2	349.5	0	0	543.656	
Stage0	-21.65	594.107	196.258	V-C	0.165	10.98	275.2	353.5	0	0	549.758	
Stage0	-22.05	600.498	198.362	V-C	0.165	10.98	275.2	357.5	0	0	555.862	
Stage0	-22.3	604.539	199.677	V-C	0.165	10.98	275.2	360	0	0	559.677	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT			
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage0	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0
Stage0	15.35	7	17.309	V-C	0.433	2.529	11.2	0	0	17.309
Stage0	14.95	15	22.628	V-C	0.433	2.529	11.2	0	0	22.628
Stage0	14.55	23	27.79	V-C	0.433	2.529	11.2	0	0	27.79
Stage0	14.15	31	32.941	V-C	0.433	2.529	11.2	0	0	32.941
Stage0	13.75	39	38.089	V-C	0.433	2.529	11.2	0	0	38.089
Stage0	13.35	43.5	40.913	V-C	0.433	2.529	11.2	3.5	0	44.413
Stage0	12.95	47.5	43.405	V-C	0.433	2.529	11.2	7.5	0	50.905
Stage0	12.55	51.5	45.898	V-C	0.433	2.529	11.2	11.5	0	57.398
Stage0	12.15	55.5	48.39	V-C	0.433	2.529	11.2	15.5	0	63.89
Stage0	11.75	59.5	50.884	V-C	0.433	2.529	11.2	19.5	0	70.384
Stage0	11.35	63.5	53.378	V-C	0.433	2.529	11.2	23.5	0	76.878
Stage0	10.95	67.5	55.873	V-C	0.433	2.529	11.2	27.5	0	83.373
Stage0	10.55	71.5	58.368	V-C	0.433	2.529	11.2	31.5	0	89.868
Stage0	10.15	75.5	60.864	V-C	0.433	2.529	11.2	35.5	0	96.364
Stage0	9.95	77.5	62.113	V-C	0.433	2.529	11.2	37.5	0	99.613
Stage0	9.55	81.5	64.61	V-C	0.433	2.529	11.2	41.5	0	106.11
Stage0	9.15	85.5	67.109	V-C	0.433	2.529	11.2	45.5	0	112.609
Stage0	8.75	89.8	40.353	V-C	0.165	10.98	275.2	49.5	0	89.853
Stage0	8.35	96.2	42.348	V-C	0.165	10.98	275.2	53.5	0	95.848
Stage0	7.95	102.6	44.344	V-C	0.165	10.98	275.2	57.5	0	101.844
Stage0	7.55	109	46.341	V-C	0.165	10.98	275.2	61.5	0	107.842
Stage0	7.15	115.4	48.34	V-C	0.165	10.98	275.2	65.5	0	113.84
Stage0	6.75	121.8	50.34	V-C	0.165	10.98	275.2	69.5	0	119.84
Stage0	6.35	128.2	52.34	V-C	0.165	10.98	275.2	73.5	0	125.84
Stage0	5.95	134.6	54.343	V-C	0.165	10.98	275.2	77.5	0	131.843
Stage0	5.55	141	56.346	V-C	0.165	10.98	275.2	81.5	0	137.846
Stage0	5.15	147.4	58.351	V-C	0.165	10.98	275.2	85.5	0	143.851
Stage0	4.75	153.8	60.358	V-C	0.165	10.98	275.2	89.5	0	149.858
Stage0	4.35	160.2	62.366	V-C	0.165	10.98	275.2	93.5	0	155.866
Stage0	3.95	166.6	64.375	V-C	0.165	10.98	275.2	97.5	0	161.875
Stage0	3.55	173	66.386	V-C	0.165	10.98	275.2	101.5	0	167.886
Stage0	3.15	179.4	68.398	V-C	0.165	10.98	275.2	105.5	0	173.898
Stage0	2.75	185.8	70.412	V-C	0.165	10.98	275.2	109.5	0	179.912
Stage0	2.35	192.2	72.428	V-C	0.165	10.98	275.2	113.5	0	185.928
Stage0	1.95	198.6	74.445	V-C	0.165	10.98	275.2	117.5	0	191.945
Stage0	1.55	205	76.464	V-C	0.165	10.98	275.2	121.5	0	197.964
Stage0	1.15	211.4	78.484	V-C	0.165	10.98	275.2	125.5	0	203.984
Stage0	0.75	217.8	80.507	V-C	0.165	10.98	275.2	129.5	0	210.007
Stage0	0.35	224.2	82.53	V-C	0.165	10.98	275.2	133.5	0	216.03
Stage0	-0.05	230.6	84.556	V-C	0.165	10.98	275.2	137.5	0	222.056
Stage0	-0.45	237	86.583	V-C	0.165	10.98	275.2	141.5	0	228.083
Stage0	-0.85	243.4	88.612	V-C	0.165	10.98	275.2	145.5	0	234.112
Stage0	-1.25	249.8	90.643	V-C	0.165	10.98	275.2	149.5	0	240.142
Stage0	-1.45	253	91.658	V-C	0.165	10.98	275.2	151.5	0	243.158
Stage0	-1.85	259.4	93.692	V-C	0.165	10.98	275.2	155.5	0	249.192
Stage0	-2.25	265.8	95.726	V-C	0.165	10.98	275.2	159.5	0	255.226
Stage0	-2.65	272.2	97.763	V-C	0.165	10.98	275.2	163.5	0	261.263
Stage0	-3.05	278.6	99.801	V-C	0.165	10.98	275.2	167.5	0	267.301
Stage0	-3.45	285	101.841	V-C	0.165	10.98	275.2	171.5	0	273.341
Stage0	-3.85	291.4	103.883	V-C	0.165	10.98	275.2	175.5	0	279.383
Stage0	-4.25	297.8	105.926	V-C	0.165	10.98	275.2	179.5	0	285.426
Stage0	-4.65	304.2	107.972	V-C	0.165	10.98	275.2	183.5	0	291.472
Stage0	-5.05	310.6	110.018	V-C	0.165	10.98	275.2	187.5	0	297.518
Stage0	-5.45	317	112.067	V-C	0.165	10.98	275.2	191.5	0	303.567

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	-5.85	323.4	114.117	V-C	0.165	10.98	275.2	195.5	0	0	309.617
Stage0	-6.25	329.8	116.169	V-C	0.165	10.98	275.2	199.5	0	0	315.669
Stage0	-6.45	333	117.195	V-C	0.165	10.98	275.2	201.5	0	0	318.695
Stage0	-6.85	339.4	119.25	V-C	0.165	10.98	275.2	205.5	0	0	324.75
Stage0	-7.25	345.8	121.306	V-C	0.165	10.98	275.2	209.5	0	0	330.806
Stage0	-7.65	352.2	123.363	V-C	0.165	10.98	275.2	213.5	0	0	336.863
Stage0	-8.05	358.6	125.422	V-C	0.165	10.98	275.2	217.5	0	0	342.922
Stage0	-8.45	365	127.483	V-C	0.165	10.98	275.2	221.5	0	0	348.983
Stage0	-8.85	371.4	129.545	V-C	0.165	10.98	275.2	225.5	0	0	355.045
Stage0	-9.25	377.8	131.609	V-C	0.165	10.98	275.2	229.5	0	0	361.109
Stage0	-9.65	384.2	133.674	V-C	0.165	10.98	275.2	233.5	0	0	367.174
Stage0	-10.05	390.6	135.741	V-C	0.165	10.98	275.2	237.5	0	0	373.241
Stage0	-10.45	397	137.81	V-C	0.165	10.98	275.2	241.5	0	0	379.31
Stage0	-10.85	403.4	139.88	V-C	0.165	10.98	275.2	245.5	0	0	385.38
Stage0	-11.25	409.8	141.951	V-C	0.165	10.98	275.2	249.5	0	0	391.451
Stage0	-11.65	416.2	144.024	V-C	0.165	10.98	275.2	253.5	0	0	397.524
Stage0	-12.05	422.6	146.098	V-C	0.165	10.98	275.2	257.5	0	0	403.598
Stage0	-12.45	429	148.174	V-C	0.165	10.98	275.2	261.5	0	0	409.674
Stage0	-12.85	435.4	150.251	V-C	0.165	10.98	275.2	265.5	0	0	415.751
Stage0	-13.25	441.8	152.329	V-C	0.165	10.98	275.2	269.5	0	0	421.829
Stage0	-13.65	448.2	154.409	V-C	0.165	10.98	275.2	273.5	0	0	427.909
Stage0	-14.05	454.6	156.49	V-C	0.165	10.98	275.2	277.5	0	0	433.99
Stage0	-14.45	461	158.572	V-C	0.165	10.98	275.2	281.5	0	0	440.072
Stage0	-14.85	467.4	160.656	V-C	0.165	10.98	275.2	285.5	0	0	446.156
Stage0	-15.25	473.8	162.741	V-C	0.165	10.98	275.2	289.5	0	0	452.241
Stage0	-15.65	480.2	164.828	V-C	0.165	10.98	275.2	293.5	0	0	458.327
Stage0	-16.05	486.6	166.915	V-C	0.165	10.98	275.2	297.5	0	0	464.415
Stage0	-16.45	493	169.004	V-C	0.165	10.98	275.2	301.5	0	0	470.504
Stage0	-16.85	499.4	171.094	V-C	0.165	10.98	275.2	305.5	0	0	476.593
Stage0	-17.25	505.8	173.185	V-C	0.165	10.98	275.2	309.5	0	0	482.684
Stage0	-17.65	512.2	175.277	V-C	0.165	10.98	275.2	313.5	0	0	488.777
Stage0	-18.05	518.6	177.37	V-C	0.165	10.98	275.2	317.5	0	0	494.87
Stage0	-18.45	525	179.465	V-C	0.165	10.98	275.2	321.5	0	0	500.965
Stage0	-18.85	531.4	181.56	V-C	0.165	10.98	275.2	325.5	0	0	507.06
Stage0	-19.25	537.8	183.657	V-C	0.165	10.98	275.2	329.5	0	0	513.157
Stage0	-19.65	544.2	185.755	V-C	0.165	10.98	275.2	333.5	0	0	519.254
Stage0	-20.05	550.6	187.853	V-C	0.165	10.98	275.2	337.5	0	0	525.353
Stage0	-20.45	557	189.953	V-C	0.165	10.98	275.2	341.5	0	0	531.453
Stage0	-20.85	563.4	192.054	V-C	0.165	10.98	275.2	345.5	0	0	537.554
Stage0	-21.25	569.8	194.156	V-C	0.165	10.98	275.2	349.5	0	0	543.656
Stage0	-21.65	576.2	196.258	V-C	0.165	10.98	275.2	353.5	0	0	549.758
Stage0	-22.05	582.6	198.362	V-C	0.165	10.98	275.2	357.5	0	0	555.862
Stage0	-22.3	586.6	199.677	V-C	0.165	10.98	275.2	360	0	0	559.677

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage0

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0	0
Stage0	15.35	7	17.309	V-C	0.433	2.529	11.2	0	0	0	17.309
Stage0	14.95	15	22.628	V-C	0.433	2.529	11.2	0	0	0	22.628
Stage0	14.55	23	27.79	V-C	0.433	2.529	11.2	0	0	0	27.79
Stage0	14.15	31	32.941	V-C	0.433	2.529	11.2	0	0	0	32.941
Stage0	13.75	39	38.089	V-C	0.433	2.529	11.2	0	0	0	38.089
Stage0	13.35	43.5	40.913	V-C	0.433	2.529	11.2	3.5	0	0	44.413
Stage0	12.95	47.5	43.405	V-C	0.433	2.529	11.2	7.5	0	0	50.905
Stage0	12.55	51.5	45.898	V-C	0.433	2.529	11.2	11.5	0	0	57.398
Stage0	12.15	55.5	48.39	V-C	0.433	2.529	11.2	15.5	0	0	63.89
Stage0	11.75	59.5	50.884	V-C	0.433	2.529	11.2	19.5	0	0	70.384
Stage0	11.35	63.5	53.378	V-C	0.433	2.529	11.2	23.5	0	0	76.878
Stage0	10.95	67.5	55.873	V-C	0.433	2.529	11.2	27.5	0	0	83.373
Stage0	10.55	71.5	58.368	V-C	0.433	2.529	11.2	31.5	0	0	89.868
Stage0	10.15	75.5	60.864	V-C	0.433	2.529	11.2	35.5	0	0	96.364
Stage0	9.95	77.5	62.113	V-C	0.433	2.529	11.2	37.5	0	0	99.613
Stage0	9.55	81.5	64.61	V-C	0.433	2.529	11.2	41.5	0	0	106.11
Stage0	9.15	85.5	67.109	V-C	0.433	2.529	11.2	45.5	0	0	112.609
Stage0	8.75	89.8	40.353	V-C	0.165	10.98	275.2	49.5	0	0	89.853
Stage0	8.35	96.2	42.348	V-C	0.165	10.98	275.2	53.5	0	0	95.848
Stage0	7.95	102.6	44.344	V-C	0.165	10.98	275.2	57.5	0	0	101.844
Stage0	7.55	109	46.341	V-C	0.165	10.98	275.2	61.5	0	0	107.842
Stage0	7.15	115.4	48.34	V-C	0.165	10.98	275.2	65.5	0	0	113.84
Stage0	6.75	121.8	50.34	V-C	0.165	10.98	275.2	69.5	0	0	119.84
Stage0	6.35	128.2	52.34	V-C	0.165	10.98	275.2	73.5	0	0	125.84
Stage0	5.95	134.6	54.343	V-C	0.165	10.98	275.2	77.5	0	0	131.843
Stage0	5.55	141	56.346	V-C	0.165	10.98	275.2	81.5	0	0	137.846
Stage0	5.15	147.4	58.351	V-C	0.165	10.98	275.2	85.5	0	0	143.851
Stage0	4.75	153.8	60.358	V-C	0.165	10.98	275.2	89.5	0	0	149.858
Stage0	4.35	160.2	62.366	V-C	0.165	10.98	275.2	93.5	0	0	155.866
Stage0	3.95	166.6	64.375	V-C	0.165	10.98	275.2	97.5	0	0	161.875
Stage0	3.55	173	66.386	V-C	0.165	10.98	275.2	101.5	0	0	167.886
Stage0	3.15	179.4	68.398	V-C	0.165	10.98	275.2	105.5	0	0	173.898
Stage0	2.75	185.8	70.412	V-C	0.165	10.98	275.2	109.5	0	0	179.912
Stage0	2.35	192.2	72.428	V-C	0.165	10.98	275.2	113.5	0	0	185.928
Stage0	1.95	198.6	74.445	V-C	0.165	10.98	275.2	117.5	0	0	191.945
Stage0	1.55	205	76.464	V-C	0.165	10.98	275.2	121.5	0	0	197.964
Stage0	1.15	211.4	78.484	V-C	0.165	10.98	275.2	125.5	0	0	203.984
Stage0	0.75	217.8	80.507	V-C	0.165	10.98	275.2	129.5	0	0	210.007
Stage0	0.35	224.2	82.53	V-C	0.165	10.98	275.2	133.5	0	0	216.03
Stage0	-0.05	230.6	84.556	V-C	0.165	10.98	275.2	137.5	0	0	222.056
Stage0	-0.45	237	86.583	V-C	0.165	10.98	275.2	141.5	0	0	228.083
Stage0	-0.85	243.4	88.612	V-C	0.165	10.98	275.2	145.5	0	0	234.112
Stage0	-1.25	249.8	90.643	V-C	0.165	10.98	275.2	149.5	0	0	240.142
Stage0	-1.45	253	91.658	V-C	0.165	10.98	275.2	151.5	0	0	243.158
Stage0	-1.85	259.4	93.692	V-C	0.165	10.98	275.2	155.5	0	0	249.192
Stage0	-2.25	265.8	95.726	V-C	0.165	10.98	275.2	159.5	0	0	255.226
Stage0	-2.65	272.2	97.763	V-C	0.165	10.98	275.2	163.5	0	0	261.263
Stage0	-3.05	278.6	99.801	V-C	0.165	10.98	275.2	167.5	0	0	267.301
Stage0	-3.45	285	101.841	V-C	0.165	10.98	275.2	171.5	0	0	273.341
Stage0	-3.85	291.4	103.883	V-C	0.165	10.98	275.2	175.5	0	0	279.383
Stage0	-4.25	297.8	105.926	V-C	0.165	10.98	275.2	179.5	0	0	285.426

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp	LEFT				
Stage0	-4.65	304.2	107.972	V-C	0.165	10.98	275.2	183.5	0	0	291.472
Stage0	-5.05	310.6	110.018	V-C	0.165	10.98	275.2	187.5	0	0	297.518
Stage0	-5.45	317	112.067	V-C	0.165	10.98	275.2	191.5	0	0	303.567
Stage0	-5.85	323.4	114.117	V-C	0.165	10.98	275.2	195.5	0	0	309.617
Stage0	-6.25	329.8	116.169	V-C	0.165	10.98	275.2	199.5	0	0	315.669
Stage0	-6.45	333	117.195	V-C	0.165	10.98	275.2	201.5	0	0	318.695
Stage0	-6.85	339.4	119.25	V-C	0.165	10.98	275.2	205.5	0	0	324.75
Stage0	-7.25	345.8	121.306	V-C	0.165	10.98	275.2	209.5	0	0	330.806
Stage0	-7.65	352.2	123.363	V-C	0.165	10.98	275.2	213.5	0	0	336.863
Stage0	-8.05	358.6	125.422	V-C	0.165	10.98	275.2	217.5	0	0	342.922
Stage0	-8.45	365	127.483	V-C	0.165	10.98	275.2	221.5	0	0	348.983
Stage0	-8.85	371.4	129.545	V-C	0.165	10.98	275.2	225.5	0	0	355.045
Stage0	-9.25	377.8	131.609	V-C	0.165	10.98	275.2	229.5	0	0	361.109
Stage0	-9.65	384.2	133.674	V-C	0.165	10.98	275.2	233.5	0	0	367.174
Stage0	-10.05	390.6	135.741	V-C	0.165	10.98	275.2	237.5	0	0	373.241
Stage0	-10.45	397	137.81	V-C	0.165	10.98	275.2	241.5	0	0	379.31
Stage0	-10.85	403.4	139.88	V-C	0.165	10.98	275.2	245.5	0	0	385.38
Stage0	-11.25	409.8	141.951	V-C	0.165	10.98	275.2	249.5	0	0	391.451
Stage0	-11.65	416.2	144.024	V-C	0.165	10.98	275.2	253.5	0	0	397.524
Stage0	-12.05	422.6	146.098	V-C	0.165	10.98	275.2	257.5	0	0	403.598
Stage0	-12.45	429	148.174	V-C	0.165	10.98	275.2	261.5	0	0	409.674
Stage0	-12.85	435.4	150.251	V-C	0.165	10.98	275.2	265.5	0	0	415.751
Stage0	-13.25	441.8	152.329	V-C	0.165	10.98	275.2	269.5	0	0	421.829
Stage0	-13.65	448.2	154.409	V-C	0.165	10.98	275.2	273.5	0	0	427.909
Stage0	-14.05	454.6	156.49	V-C	0.165	10.98	275.2	277.5	0	0	433.99
Stage0	-14.45	461	158.572	V-C	0.165	10.98	275.2	281.5	0	0	440.072
Stage0	-14.85	467.4	160.656	V-C	0.165	10.98	275.2	285.5	0	0	446.156
Stage0	-15.25	473.8	162.741	V-C	0.165	10.98	275.2	289.5	0	0	452.241
Stage0	-15.65	480.2	164.828	V-C	0.165	10.98	275.2	293.5	0	0	458.327
Stage0	-16.05	486.6	166.915	V-C	0.165	10.98	275.2	297.5	0	0	464.415
Stage0	-16.45	493	169.004	V-C	0.165	10.98	275.2	301.5	0	0	470.504
Stage0	-16.85	499.4	171.094	V-C	0.165	10.98	275.2	305.5	0	0	476.593
Stage0	-17.25	505.8	173.185	V-C	0.165	10.98	275.2	309.5	0	0	482.684
Stage0	-17.65	512.2	175.277	V-C	0.165	10.98	275.2	313.5	0	0	488.777
Stage0	-18.05	518.6	177.37	V-C	0.165	10.98	275.2	317.5	0	0	494.87
Stage0	-18.45	525	179.465	V-C	0.165	10.98	275.2	321.5	0	0	500.965
Stage0	-18.85	531.4	181.56	V-C	0.165	10.98	275.2	325.5	0	0	507.06
Stage0	-19.25	537.8	183.657	V-C	0.165	10.98	275.2	329.5	0	0	513.157
Stage0	-19.65	544.2	185.755	V-C	0.165	10.98	275.2	333.5	0	0	519.254
Stage0	-20.05	550.6	187.853	V-C	0.165	10.98	275.2	337.5	0	0	525.353
Stage0	-20.45	557	189.953	V-C	0.165	10.98	275.2	341.5	0	0	531.453
Stage0	-20.85	563.4	192.054	V-C	0.165	10.98	275.2	345.5	0	0	537.554
Stage0	-21.25	569.8	194.156	V-C	0.165	10.98	275.2	349.5	0	0	543.656
Stage0	-21.65	576.2	196.258	V-C	0.165	10.98	275.2	353.5	0	0	549.758
Stage0	-22.05	582.6	198.362	V-C	0.165	10.98	275.2	357.5	0	0	555.862
Stage0	-22.3	586.6	199.677	V-C	0.165	10.98	275.2	360	0	0	559.677

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage0	15.7	0	0	V-C	0.433	2.529	11.2	0	0	0	0
Stage0	15.35	17.458	17.309	V-C	0.433	2.529	11.2	0	0	0	17.309
Stage0	14.95	29.048	22.628	V-C	0.433	2.529	11.2	0	0	0	22.628
Stage0	14.55	38.765	27.79	V-C	0.433	2.529	11.2	0	0	0	27.79
Stage0	14.15	47.577	32.941	V-C	0.433	2.529	11.2	0	0	0	32.941
Stage0	13.75	56.284	38.089	V-C	0.433	2.529	11.2	0	0	0	38.089
Stage0	13.35	61.627	40.913	V-C	0.433	2.529	11.2	3.5	0	0	44.413
Stage0	12.95	66.266	43.405	V-C	0.433	2.529	11.2	7.5	0	0	50.905
Stage0	12.55	70.768	45.898	V-C	0.433	2.529	11.2	11.5	0	0	57.398
Stage0	12.15	73.911	48.39	V-C	0.433	2.529	11.2	15.5	0	0	63.89
Stage0	11.75	77.507	50.884	V-C	0.433	2.529	11.2	19.5	0	0	70.384
Stage0	11.35	81.398	53.378	V-C	0.433	2.529	11.2	23.5	0	0	76.878
Stage0	10.95	85.308	55.873	V-C	0.433	2.529	11.2	27.5	0	0	83.373
Stage0	10.55	89.233	58.368	V-C	0.433	2.529	11.2	31.5	0	0	89.868
Stage0	10.15	93.169	60.864	V-C	0.433	2.529	11.2	35.5	0	0	96.364
Stage0	9.95	95.544	62.113	V-C	0.433	2.529	11.2	37.5	0	0	99.613
Stage0	9.55	99.469	64.61	V-C	0.433	2.529	11.2	41.5	0	0	106.11
Stage0	9.15	103.403	67.109	V-C	0.433	2.529	11.2	45.5	0	0	112.609
Stage0	8.75	107.646	40.353	V-C	0.165	10.98	275.2	49.5	0	0	89.853
Stage0	8.35	113.995	42.348	V-C	0.165	10.98	275.2	53.5	0	0	95.848
Stage0	7.95	120.349	44.344	V-C	0.165	10.98	275.2	57.5	0	0	101.844
Stage0	7.55	126.708	46.341	V-C	0.165	10.98	275.2	61.5	0	0	107.842
Stage0	7.15	133.072	48.34	V-C	0.165	10.98	275.2	65.5	0	0	113.84
Stage0	6.75	139.438	50.34	V-C	0.165	10.98	275.2	69.5	0	0	119.84
Stage0	6.35	145.808	52.34	V-C	0.165	10.98	275.2	73.5	0	0	125.84
Stage0	5.95	152.18	54.343	V-C	0.165	10.98	275.2	77.5	0	0	131.843
Stage0	5.55	159.019	56.346	V-C	0.165	10.98	275.2	81.5	0	0	137.846
Stage0	5.15	165.379	58.351	V-C	0.165	10.98	275.2	85.5	0	0	143.851
Stage0	4.75	171.742	60.358	V-C	0.165	10.98	275.2	89.5	0	0	149.858
Stage0	4.35	178.107	62.366	V-C	0.165	10.98	275.2	93.5	0	0	155.866
Stage0	3.95	184.475	64.375	V-C	0.165	10.98	275.2	97.5	0	0	161.875
Stage0	3.55	190.845	66.386	V-C	0.165	10.98	275.2	101.5	0	0	167.886
Stage0	3.15	197.217	68.398	V-C	0.165	10.98	275.2	105.5	0	0	173.898
Stage0	2.75	203.591	70.412	V-C	0.165	10.98	275.2	109.5	0	0	179.912
Stage0	2.35	209.966	72.428	V-C	0.165	10.98	275.2	113.5	0	0	185.928
Stage0	1.95	216.343	74.445	V-C	0.165	10.98	275.2	117.5	0	0	191.945
Stage0	1.55	222.721	76.464	V-C	0.165	10.98	275.2	121.5	0	0	197.964
Stage0	1.15	229.1	78.484	V-C	0.165	10.98	275.2	125.5	0	0	203.984
Stage0	0.75	235.798	80.507	V-C	0.165	10.98	275.2	129.5	0	0	210.007
Stage0	0.35	242.171	82.53	V-C	0.165	10.98	275.2	133.5	0	0	216.03
Stage0	-0.05	248.546	84.556	V-C	0.165	10.98	275.2	137.5	0	0	222.056
Stage0	-0.45	254.923	86.583	V-C	0.165	10.98	275.2	141.5	0	0	228.083
Stage0	-0.85	261.3	88.612	V-C	0.165	10.98	275.2	145.5	0	0	234.112
Stage0	-1.25	267.678	90.643	V-C	0.165	10.98	275.2	149.5	0	0	240.142
Stage0	-1.45	271.006	91.658	V-C	0.165	10.98	275.2	151.5	0	0	243.158
Stage0	-1.85	277.383	93.692	V-C	0.165	10.98	275.2	155.5	0	0	249.192
Stage0	-2.25	283.761	95.726	V-C	0.165	10.98	275.2	159.5	0	0	255.226
Stage0	-2.65	290.14	97.763	V-C	0.165	10.98	275.2	163.5	0	0	261.263
Stage0	-3.05	296.519	99.801	V-C	0.165	10.98	275.2	167.5	0	0	267.301
Stage0	-3.45	302.9	101.841	V-C	0.165	10.98	275.2	171.5	0	0	273.341
Stage0	-3.85	309.281	103.883	V-C	0.165	10.98	275.2	175.5	0	0	279.383
Stage0	-4.25	315.663	105.926	V-C	0.165	10.98	275.2	179.5	0	0	285.426
Stage0	-4.65	322.046	107.972	V-C	0.165	10.98	275.2	183.5	0	0	291.472
Stage0	-5.05	328.43	110.018	V-C	0.165	10.98	275.2	187.5	0	0	297.518
Stage0	-5.45	334.814	112.067	V-C	0.165	10.98	275.2	191.5	0	0	303.567

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp					
Stage0	-5.85	341.198	114.117	V-C	0.165	10.98	275.2	195.5	0	0	309.617
Stage0	-6.25	347.8	116.169	V-C	0.165	10.98	275.2	199.5	0	0	315.669
Stage0	-6.45	350.884	117.195	V-C	0.165	10.98	275.2	201.5	0	0	318.695
Stage0	-6.85	357.268	119.25	V-C	0.165	10.98	275.2	205.5	0	0	324.75
Stage0	-7.25	363.653	121.306	V-C	0.165	10.98	275.2	209.5	0	0	330.806
Stage0	-7.65	370.038	123.363	V-C	0.165	10.98	275.2	213.5	0	0	336.863
Stage0	-8.05	376.424	125.422	V-C	0.165	10.98	275.2	217.5	0	0	342.922
Stage0	-8.45	383.007	127.483	V-C	0.165	10.98	275.2	221.5	0	0	348.983
Stage0	-8.85	389.391	129.545	V-C	0.165	10.98	275.2	225.5	0	0	355.045
Stage0	-9.25	395.775	131.609	V-C	0.165	10.98	275.2	229.5	0	0	361.109
Stage0	-9.65	402.16	133.674	V-C	0.165	10.98	275.2	233.5	0	0	367.174
Stage0	-10.05	408.545	135.741	V-C	0.165	10.98	275.2	237.5	0	0	373.241
Stage0	-10.45	414.93	137.81	V-C	0.165	10.98	275.2	241.5	0	0	379.31
Stage0	-10.85	421.316	139.88	V-C	0.165	10.98	275.2	245.5	0	0	385.38
Stage0	-11.25	427.703	141.951	V-C	0.165	10.98	275.2	249.5	0	0	391.451
Stage0	-11.65	434.09	144.024	V-C	0.165	10.98	275.2	253.5	0	0	397.524
Stage0	-12.05	440.477	146.098	V-C	0.165	10.98	275.2	257.5	0	0	403.598
Stage0	-12.45	446.864	148.174	V-C	0.165	10.98	275.2	261.5	0	0	409.674
Stage0	-12.85	453.252	150.251	V-C	0.165	10.98	275.2	265.5	0	0	415.751
Stage0	-13.25	459.805	152.329	V-C	0.165	10.98	275.2	269.5	0	0	421.829
Stage0	-13.65	466.191	154.409	V-C	0.165	10.98	275.2	273.5	0	0	427.909
Stage0	-14.05	472.578	156.49	V-C	0.165	10.98	275.2	277.5	0	0	433.99
Stage0	-14.45	478.965	158.572	V-C	0.165	10.98	275.2	281.5	0	0	440.072
Stage0	-14.85	485.352	160.656	V-C	0.165	10.98	275.2	285.5	0	0	446.156
Stage0	-15.25	491.74	162.741	V-C	0.165	10.98	275.2	289.5	0	0	452.241
Stage0	-15.65	498.128	164.828	V-C	0.165	10.98	275.2	293.5	0	0	458.327
Stage0	-16.05	504.516	166.915	V-C	0.165	10.98	275.2	297.5	0	0	464.415
Stage0	-16.45	510.905	169.004	V-C	0.165	10.98	275.2	301.5	0	0	470.504
Stage0	-16.85	517.294	171.094	V-C	0.165	10.98	275.2	305.5	0	0	476.593
Stage0	-17.25	523.683	173.185	V-C	0.165	10.98	275.2	309.5	0	0	482.684
Stage0	-17.65	530.072	175.277	V-C	0.165	10.98	275.2	313.5	0	0	488.777
Stage0	-18.05	536.603	177.37	V-C	0.165	10.98	275.2	317.5	0	0	494.87
Stage0	-18.45	542.992	179.465	V-C	0.165	10.98	275.2	321.5	0	0	500.965
Stage0	-18.85	549.38	181.56	V-C	0.165	10.98	275.2	325.5	0	0	507.06
Stage0	-19.25	555.769	183.657	V-C	0.165	10.98	275.2	329.5	0	0	513.157
Stage0	-19.65	562.158	185.755	V-C	0.165	10.98	275.2	333.5	0	0	519.254
Stage0	-20.05	568.548	187.853	V-C	0.165	10.98	275.2	337.5	0	0	525.353
Stage0	-20.45	574.937	189.953	V-C	0.165	10.98	275.2	341.5	0	0	531.453
Stage0	-20.85	581.327	192.054	V-C	0.165	10.98	275.2	345.5	0	0	537.554
Stage0	-21.25	587.717	194.156	V-C	0.165	10.98	275.2	349.5	0	0	543.656
Stage0	-21.65	594.107	196.258	V-C	0.165	10.98	275.2	353.5	0	0	549.758
Stage0	-22.05	600.498	198.362	V-C	0.165	10.98	275.2	357.5	0	0	555.862
Stage0	-22.3	604.539	199.677	V-C	0.165	10.98	275.2	360	0	0	559.677

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage1	15.7	0	0	ACTIVE	0.433	2.529	11.2	0	0	0
Stage1	15.35	17.458	9.33	UL-RL	0.433	2.529	11.2	0	0	9.33
Stage1	14.95	29.048	16.576	UL-RL	0.433	2.529	11.2	0	0	16.576
Stage1	14.55	38.765	23.464	UL-RL	0.433	2.529	11.2	0	0	23.464
Stage1	14.15	47.577	29.992	UL-RL	0.433	2.529	11.2	0	0	29.992
Stage1	13.75	56.284	36.126	UL-RL	0.433	2.529	11.2	0	0	36.126
Stage1	13.35	61.627	39.58	UL-RL	0.433	2.529	11.2	3.5	0	43.08
Stage1	12.95	66.266	42.421	UL-RL	0.433	2.529	11.2	7.5	0	49.921
Stage1	12.55	70.768	45.064	UL-RL	0.433	2.529	11.2	11.5	0	56.564
Stage1	12.15	73.911	47.586	UL-RL	0.433	2.529	11.2	15.5	0	63.086
Stage1	11.75	77.507	50.052	UL-RL	0.433	2.529	11.2	19.5	0	69.552
Stage1	11.35	81.398	52.509	UL-RL	0.433	2.529	11.2	23.5	0	76.009
Stage1	10.95	85.308	54.991	UL-RL	0.433	2.529	11.2	27.5	0	82.491
Stage1	10.55	89.233	57.522	UL-RL	0.433	2.529	11.2	31.5	0	89.022
Stage1	10.15	93.169	60.115	UL-RL	0.433	2.529	11.2	35.5	0	95.615
Stage1	9.95	95.544	61.434	UL-RL	0.433	2.529	11.2	37.5	0	98.934
Stage1	9.55	99.469	64.112	UL-RL	0.433	2.529	11.2	41.5	0	105.612
Stage1	9.15	103.403	66.817	UL-RL	0.433	2.529	11.2	45.5	0	112.317
Stage1	8.75	107.646	34.248	UL-RL	0.165	10.98	275.2	49.5	0	83.748
Stage1	8.35	113.995	40.526	UL-RL	0.165	10.98	275.2	53.5	0	94.026
Stage1	7.95	120.349	43.339	UL-RL	0.165	10.98	275.2	57.5	0	100.839
Stage1	7.55	126.708	44.994	UL-RL	0.165	10.98	275.2	61.5	0	106.494
Stage1	7.15	133.072	46.626	UL-RL	0.165	10.98	275.2	65.5	0	112.126
Stage1	6.75	139.438	48.472	UL-RL	0.165	10.98	275.2	69.5	0	117.972
Stage1	6.35	145.808	50.453	UL-RL	0.165	10.98	275.2	73.5	0	123.953
Stage1	5.95	152.18	52.475	UL-RL	0.165	10.98	275.2	77.5	0	129.975
Stage1	5.55	159.019	54.496	UL-RL	0.165	10.98	275.2	81.5	0	135.996
Stage1	5.15	165.379	56.509	UL-RL	0.165	10.98	275.2	85.5	0	142.009
Stage1	4.75	171.742	58.518	UL-RL	0.165	10.98	275.2	89.5	0	148.018
Stage1	4.35	178.107	60.527	UL-RL	0.165	10.98	275.2	93.5	0	154.027
Stage1	3.95	184.475	62.538	UL-RL	0.165	10.98	275.2	97.5	0	160.038
Stage1	3.55	190.845	64.55	UL-RL	0.165	10.98	275.2	101.5	0	166.05
Stage1	3.15	197.217	66.564	UL-RL	0.165	10.98	275.2	105.5	0	172.064
Stage1	2.75	203.591	68.58	UL-RL	0.165	10.98	275.2	109.5	0	178.08
Stage1	2.35	209.966	70.597	UL-RL	0.165	10.98	275.2	113.5	0	184.097
Stage1	1.95	216.343	72.615	UL-RL	0.165	10.98	275.2	117.5	0	190.115
Stage1	1.55	222.721	74.635	UL-RL	0.165	10.98	275.2	121.5	0	196.135
Stage1	1.15	229.1	76.657	UL-RL	0.165	10.98	275.2	125.5	0	202.156
Stage1	0.75	235.798	78.68	UL-RL	0.165	10.98	275.2	129.5	0	208.18
Stage1	0.35	242.171	80.704	UL-RL	0.165	10.98	275.2	133.5	0	214.204
Stage1	-0.05	248.546	82.731	UL-RL	0.165	10.98	275.2	137.5	0	220.231
Stage1	-0.45	254.923	84.759	UL-RL	0.165	10.98	275.2	141.5	0	226.259
Stage1	-0.85	261.3	86.788	UL-RL	0.165	10.98	275.2	145.5	0	232.288
Stage1	-1.25	267.678	88.82	UL-RL	0.165	10.98	275.2	149.5	0	238.32
Stage1	-1.45	271.006	89.836	UL-RL	0.165	10.98	275.2	151.5	0	241.336
Stage1	-1.85	277.383	91.87	UL-RL	0.165	10.98	275.2	155.5	0	247.37
Stage1	-2.25	283.761	93.905	UL-RL	0.165	10.98	275.2	159.5	0	253.406
Stage1	-2.65	290.14	95.943	UL-RL	0.165	10.98	275.2	163.5	0	259.443
Stage1	-3.05	296.519	97.982	UL-RL	0.165	10.98	275.2	167.5	0	265.482
Stage1	-3.45	302.9	100.022	UL-RL	0.165	10.98	275.2	171.5	0	271.522
Stage1	-3.85	309.281	102.064	UL-RL	0.165	10.98	275.2	175.5	0	277.564
Stage1	-4.25	315.663	104.108	UL-RL	0.165	10.98	275.2	179.5	0	283.608

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Ka	Lato Kp	LEFT Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage1	-4.65	322.046	106.154	UL-RL	0.165	10.98	275.2	183.5	0	0	289.654
Stage1	-5.05	328.43	108.201	UL-RL	0.165	10.98	275.2	187.5	0	0	295.701
Stage1	-5.45	334.814	110.25	UL-RL	0.165	10.98	275.2	191.5	0	0	301.75
Stage1	-5.85	341.198	112.301	UL-RL	0.165	10.98	275.2	195.5	0	0	307.801
Stage1	-6.25	347.8	114.353	UL-RL	0.165	10.98	275.2	199.5	0	0	313.853
Stage1	-6.45	350.884	115.38	UL-RL	0.165	10.98	275.2	201.5	0	0	316.88
Stage1	-6.85	357.268	117.434	UL-RL	0.165	10.98	275.2	205.5	0	0	322.934
Stage1	-7.25	363.653	119.491	UL-RL	0.165	10.98	275.2	209.5	0	0	328.991
Stage1	-7.65	370.038	121.548	UL-RL	0.165	10.98	275.2	213.5	0	0	335.048
Stage1	-8.05	376.424	123.608	UL-RL	0.165	10.98	275.2	217.5	0	0	341.108
Stage1	-8.45	383.007	125.669	UL-RL	0.165	10.98	275.2	221.5	0	0	347.169
Stage1	-8.85	389.391	127.732	UL-RL	0.165	10.98	275.2	225.5	0	0	353.232
Stage1	-9.25	395.775	129.796	UL-RL	0.165	10.98	275.2	229.5	0	0	359.296
Stage1	-9.65	402.16	131.862	UL-RL	0.165	10.98	275.2	233.5	0	0	365.362
Stage1	-10.05	408.545	133.929	UL-RL	0.165	10.98	275.2	237.5	0	0	371.429
Stage1	-10.45	414.93	135.997	UL-RL	0.165	10.98	275.2	241.5	0	0	377.497
Stage1	-10.85	421.316	138.068	UL-RL	0.165	10.98	275.2	245.5	0	0	383.568
Stage1	-11.25	427.703	140.139	UL-RL	0.165	10.98	275.2	249.5	0	0	389.639
Stage1	-11.65	434.09	142.212	UL-RL	0.165	10.98	275.2	253.5	0	0	395.712
Stage1	-12.05	440.477	144.287	UL-RL	0.165	10.98	275.2	257.5	0	0	401.787
Stage1	-12.45	446.864	146.363	UL-RL	0.165	10.98	275.2	261.5	0	0	407.863
Stage1	-12.85	453.252	148.44	UL-RL	0.165	10.98	275.2	265.5	0	0	413.94
Stage1	-13.25	459.805	150.519	UL-RL	0.165	10.98	275.2	269.5	0	0	420.019
Stage1	-13.65	466.191	152.599	UL-RL	0.165	10.98	275.2	273.5	0	0	426.099
Stage1	-14.05	472.578	154.68	UL-RL	0.165	10.98	275.2	277.5	0	0	432.18
Stage1	-14.45	478.965	156.763	UL-RL	0.165	10.98	275.2	281.5	0	0	438.263
Stage1	-14.85	485.352	158.847	UL-RL	0.165	10.98	275.2	285.5	0	0	444.346
Stage1	-15.25	491.74	160.932	UL-RL	0.165	10.98	275.2	289.5	0	0	450.432
Stage1	-15.65	498.128	163.018	UL-RL	0.165	10.98	275.2	293.5	0	0	456.518
Stage1	-16.05	504.516	165.106	UL-RL	0.165	10.98	275.2	297.5	0	0	462.606
Stage1	-16.45	510.905	167.195	UL-RL	0.165	10.98	275.2	301.5	0	0	468.695
Stage1	-16.85	517.294	169.285	UL-RL	0.165	10.98	275.2	305.5	0	0	474.785
Stage1	-17.25	523.683	171.376	UL-RL	0.165	10.98	275.2	309.5	0	0	480.876
Stage1	-17.65	530.072	173.469	UL-RL	0.165	10.98	275.2	313.5	0	0	486.968
Stage1	-18.05	536.603	175.562	UL-RL	0.165	10.98	275.2	317.5	0	0	493.062
Stage1	-18.45	542.992	177.657	UL-RL	0.165	10.98	275.2	321.5	0	0	499.157
Stage1	-18.85	549.38	179.752	UL-RL	0.165	10.98	275.2	325.5	0	0	505.252
Stage1	-19.25	555.769	181.849	UL-RL	0.165	10.98	275.2	329.5	0	0	511.349
Stage1	-19.65	562.158	183.947	UL-RL	0.165	10.98	275.2	333.5	0	0	517.447
Stage1	-20.05	568.548	186.046	UL-RL	0.165	10.98	275.2	337.5	0	0	523.546
Stage1	-20.45	574.937	188.146	UL-RL	0.165	10.98	275.2	341.5	0	0	529.646
Stage1	-20.85	581.327	190.247	UL-RL	0.165	10.98	275.2	345.5	0	0	535.747
Stage1	-21.25	587.717	192.349	UL-RL	0.165	10.98	275.2	349.5	0	0	541.849
Stage1	-21.65	594.107	194.452	UL-RL	0.165	10.98	275.2	353.5	0	0	547.951
Stage1	-22.05	600.498	196.555	UL-RL	0.165	10.98	275.2	357.5	0	0	554.055
Stage1	-22.3	604.539	197.871	UL-RL	0.165	10.98	275.2	360	0	0	557.871

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	14.95	0	18.69	UL-RL	0.433	2.529	11.2	0	0	0	18.69
Stage1	14.55	8	28.664	V-C	0.433	2.529	11.2	0	0	0	28.664
Stage1	14.15	16	33.181	V-C	0.433	2.529	11.2	0	0	0	33.181
Stage1	13.75	24	37.647	UL-RL	0.433	2.529	11.2	0	0	0	37.647
Stage1	13.35	28.5	39.897	UL-RL	0.433	2.529	11.2	3.5	0	0	43.397
Stage1	12.95	32.5	42.08	UL-RL	0.433	2.529	11.2	7.5	0	0	49.58
Stage1	12.55	36.5	44.452	UL-RL	0.433	2.529	11.2	11.5	0	0	55.952
Stage1	12.15	40.5	46.94	UL-RL	0.433	2.529	11.2	15.5	0	0	62.44
Stage1	11.75	44.5	49.482	UL-RL	0.433	2.529	11.2	19.5	0	0	68.982
Stage1	11.35	48.5	52.031	UL-RL	0.433	2.529	11.2	23.5	0	0	75.531
Stage1	10.95	52.5	54.553	UL-RL	0.433	2.529	11.2	27.5	0	0	82.053
Stage1	10.55	56.5	57.026	UL-RL	0.433	2.529	11.2	31.5	0	0	88.526
Stage1	10.15	60.5	59.438	UL-RL	0.433	2.529	11.2	35.5	0	0	94.938
Stage1	9.95	62.5	60.621	UL-RL	0.433	2.529	11.2	37.5	0	0	98.121
Stage1	9.55	66.5	62.949	UL-RL	0.433	2.529	11.2	41.5	0	0	104.449
Stage1	9.15	70.5	65.251	UL-RL	0.433	2.529	11.2	45.5	0	0	110.751
Stage1	8.75	74.8	40.184	UL-RL	0.165	10.98	275.2	49.5	0	0	89.684
Stage1	8.35	81.2	40.457	UL-RL	0.165	10.98	275.2	53.5	0	0	93.957
Stage1	7.95	87.6	42.131	UL-RL	0.165	10.98	275.2	57.5	0	0	99.631
Stage1	7.55	94	44.272	UL-RL	0.165	10.98	275.2	61.5	0	0	105.772
Stage1	7.15	100.4	46.424	UL-RL	0.165	10.98	275.2	65.5	0	0	111.924
Stage1	6.75	106.8	48.491	UL-RL	0.165	10.98	275.2	69.5	0	0	117.991
Stage1	6.35	113.2	50.504	UL-RL	0.165	10.98	275.2	73.5	0	0	124.004
Stage1	5.95	119.6	52.503	UL-RL	0.165	10.98	275.2	77.5	0	0	130.003
Stage1	5.55	126	54.503	UL-RL	0.165	10.98	275.2	81.5	0	0	136.003
Stage1	5.15	132.4	56.508	UL-RL	0.165	10.98	275.2	85.5	0	0	142.008
Stage1	4.75	138.8	58.516	UL-RL	0.165	10.98	275.2	89.5	0	0	148.016
Stage1	4.35	145.2	60.526	UL-RL	0.165	10.98	275.2	93.5	0	0	154.026
Stage1	3.95	151.6	62.538	UL-RL	0.165	10.98	275.2	97.5	0	0	160.038
Stage1	3.55	158	64.55	UL-RL	0.165	10.98	275.2	101.5	0	0	166.05
Stage1	3.15	164.4	66.564	UL-RL	0.165	10.98	275.2	105.5	0	0	172.064
Stage1	2.75	170.8	68.58	UL-RL	0.165	10.98	275.2	109.5	0	0	178.08
Stage1	2.35	177.2	70.597	UL-RL	0.165	10.98	275.2	113.5	0	0	184.097
Stage1	1.95	183.6	72.615	UL-RL	0.165	10.98	275.2	117.5	0	0	190.115
Stage1	1.55	190	74.635	UL-RL	0.165	10.98	275.2	121.5	0	0	196.135
Stage1	1.15	196.4	76.657	UL-RL	0.165	10.98	275.2	125.5	0	0	202.156
Stage1	0.75	202.8	78.68	UL-RL	0.165	10.98	275.2	129.5	0	0	208.18
Stage1	0.35	209.2	80.704	UL-RL	0.165	10.98	275.2	133.5	0	0	214.204
Stage1	-0.05	215.6	82.731	UL-RL	0.165	10.98	275.2	137.5	0	0	220.231
Stage1	-0.45	222	84.759	UL-RL	0.165	10.98	275.2	141.5	0	0	226.259
Stage1	-0.85	228.4	86.788	UL-RL	0.165	10.98	275.2	145.5	0	0	232.288
Stage1	-1.25	234.8	88.82	UL-RL	0.165	10.98	275.2	149.5	0	0	238.32
Stage1	-1.45	238	89.836	UL-RL	0.165	10.98	275.2	151.5	0	0	241.336
Stage1	-1.85	244.4	91.87	UL-RL	0.165	10.98	275.2	155.5	0	0	247.37
Stage1	-2.25	250.8	93.905	UL-RL	0.165	10.98	275.2	159.5	0	0	253.406
Stage1	-2.65	257.2	95.943	UL-RL	0.165	10.98	275.2	163.5	0	0	259.443
Stage1	-3.05	263.6	97.982	UL-RL	0.165	10.98	275.2	167.5	0	0	265.482
Stage1	-3.45	270	100.022	UL-RL	0.165	10.98	275.2	171.5	0	0	271.522
Stage1	-3.85	276.4	102.064	UL-RL	0.165	10.98	275.2	175.5	0	0	277.564
Stage1	-4.25	282.8	104.108	UL-RL	0.165	10.98	275.2	179.5	0	0	283.608
Stage1	-4.65	289.2	106.154	UL-RL	0.165	10.98	275.2	183.5	0	0	289.654
Stage1	-5.05	295.6	108.201	UL-RL	0.165	10.98	275.2	187.5	0	0	295.701
Stage1	-5.45	302	110.25	UL-RL	0.165	10.98	275.2	191.5	0	0	301.75

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	LEFT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-5.85	308.4	112.301	UL-RL	0.165	10.98	275.2	195.5	0	0	307.801
Stage1	-6.25	314.8	114.353	UL-RL	0.165	10.98	275.2	199.5	0	0	313.853
Stage1	-6.45	318	115.38	UL-RL	0.165	10.98	275.2	201.5	0	0	316.88
Stage1	-6.85	324.4	117.434	UL-RL	0.165	10.98	275.2	205.5	0	0	322.934
Stage1	-7.25	330.8	119.491	UL-RL	0.165	10.98	275.2	209.5	0	0	328.991
Stage1	-7.65	337.2	121.548	UL-RL	0.165	10.98	275.2	213.5	0	0	335.048
Stage1	-8.05	343.6	123.608	UL-RL	0.165	10.98	275.2	217.5	0	0	341.108
Stage1	-8.45	350	125.669	UL-RL	0.165	10.98	275.2	221.5	0	0	347.169
Stage1	-8.85	356.4	127.732	UL-RL	0.165	10.98	275.2	225.5	0	0	353.232
Stage1	-9.25	362.8	129.796	UL-RL	0.165	10.98	275.2	229.5	0	0	359.296
Stage1	-9.65	369.2	131.862	UL-RL	0.165	10.98	275.2	233.5	0	0	365.362
Stage1	-10.05	375.6	133.929	UL-RL	0.165	10.98	275.2	237.5	0	0	371.429
Stage1	-10.45	382	135.997	UL-RL	0.165	10.98	275.2	241.5	0	0	377.497
Stage1	-10.85	388.4	138.068	UL-RL	0.165	10.98	275.2	245.5	0	0	383.568
Stage1	-11.25	394.8	140.139	UL-RL	0.165	10.98	275.2	249.5	0	0	389.639
Stage1	-11.65	401.2	142.212	UL-RL	0.165	10.98	275.2	253.5	0	0	395.712
Stage1	-12.05	407.6	144.287	UL-RL	0.165	10.98	275.2	257.5	0	0	401.787
Stage1	-12.45	414	146.363	UL-RL	0.165	10.98	275.2	261.5	0	0	407.863
Stage1	-12.85	420.4	148.44	UL-RL	0.165	10.98	275.2	265.5	0	0	413.94
Stage1	-13.25	426.8	150.519	UL-RL	0.165	10.98	275.2	269.5	0	0	420.019
Stage1	-13.65	433.2	152.599	UL-RL	0.165	10.98	275.2	273.5	0	0	426.099
Stage1	-14.05	439.6	154.68	UL-RL	0.165	10.98	275.2	277.5	0	0	432.18
Stage1	-14.45	446	156.763	UL-RL	0.165	10.98	275.2	281.5	0	0	438.263
Stage1	-14.85	452.4	158.847	UL-RL	0.165	10.98	275.2	285.5	0	0	444.346
Stage1	-15.25	458.8	160.932	UL-RL	0.165	10.98	275.2	289.5	0	0	450.432
Stage1	-15.65	465.2	163.018	UL-RL	0.165	10.98	275.2	293.5	0	0	456.518
Stage1	-16.05	471.6	165.106	UL-RL	0.165	10.98	275.2	297.5	0	0	462.606
Stage1	-16.45	478	167.195	UL-RL	0.165	10.98	275.2	301.5	0	0	468.695
Stage1	-16.85	484.4	169.285	UL-RL	0.165	10.98	275.2	305.5	0	0	474.785
Stage1	-17.25	490.8	171.376	UL-RL	0.165	10.98	275.2	309.5	0	0	480.876
Stage1	-17.65	497.2	173.469	UL-RL	0.165	10.98	275.2	313.5	0	0	486.968
Stage1	-18.05	503.6	175.562	UL-RL	0.165	10.98	275.2	317.5	0	0	493.062
Stage1	-18.45	510	177.657	UL-RL	0.165	10.98	275.2	321.5	0	0	499.157
Stage1	-18.85	516.4	179.752	UL-RL	0.165	10.98	275.2	325.5	0	0	505.252
Stage1	-19.25	522.8	181.849	UL-RL	0.165	10.98	275.2	329.5	0	0	511.349
Stage1	-19.65	529.2	183.947	UL-RL	0.165	10.98	275.2	333.5	0	0	517.447
Stage1	-20.05	535.6	186.046	UL-RL	0.165	10.98	275.2	337.5	0	0	523.546
Stage1	-20.45	542	188.146	UL-RL	0.165	10.98	275.2	341.5	0	0	529.646
Stage1	-20.85	548.4	190.247	UL-RL	0.165	10.98	275.2	345.5	0	0	535.747
Stage1	-21.25	554.8	192.349	UL-RL	0.165	10.98	275.2	349.5	0	0	541.849
Stage1	-21.65	561.2	194.452	UL-RL	0.165	10.98	275.2	353.5	0	0	547.951
Stage1	-22.05	567.6	196.555	UL-RL	0.165	10.98	275.2	357.5	0	0	554.055
Stage1	-22.3	571.6	197.871	UL-RL	0.165	10.98	275.2	360	0	0	557.871

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage1	14.95	0	18.69	UL-RL	0.433	2.529	11.2	0	0	0	18.69
Stage1	14.55	8	28.664	V-C	0.433	2.529	11.2	0	0	0	28.664
Stage1	14.15	16	33.181	V-C	0.433	2.529	11.2	0	0	0	33.181
Stage1	13.75	24	37.647	UL-RL	0.433	2.529	11.2	0	0	0	37.647
Stage1	13.35	28.5	39.897	UL-RL	0.433	2.529	11.2	3.5	0	0	43.397
Stage1	12.95	32.5	42.08	UL-RL	0.433	2.529	11.2	7.5	0	0	49.58
Stage1	12.55	36.5	44.452	UL-RL	0.433	2.529	11.2	11.5	0	0	55.952
Stage1	12.15	40.5	46.94	UL-RL	0.433	2.529	11.2	15.5	0	0	62.44
Stage1	11.75	44.5	49.482	UL-RL	0.433	2.529	11.2	19.5	0	0	68.982
Stage1	11.35	48.5	52.031	UL-RL	0.433	2.529	11.2	23.5	0	0	75.531
Stage1	10.95	52.5	54.553	UL-RL	0.433	2.529	11.2	27.5	0	0	82.053
Stage1	10.55	56.5	57.026	UL-RL	0.433	2.529	11.2	31.5	0	0	88.526
Stage1	10.15	60.5	59.438	UL-RL	0.433	2.529	11.2	35.5	0	0	94.938
Stage1	9.95	62.5	60.621	UL-RL	0.433	2.529	11.2	37.5	0	0	98.121
Stage1	9.55	66.5	62.949	UL-RL	0.433	2.529	11.2	41.5	0	0	104.449
Stage1	9.15	70.5	65.251	UL-RL	0.433	2.529	11.2	45.5	0	0	110.751
Stage1	8.75	74.8	40.184	UL-RL	0.165	10.98	275.2	49.5	0	0	89.684
Stage1	8.35	81.2	40.457	UL-RL	0.165	10.98	275.2	53.5	0	0	93.957
Stage1	7.95	87.6	42.131	UL-RL	0.165	10.98	275.2	57.5	0	0	99.631
Stage1	7.55	94	44.272	UL-RL	0.165	10.98	275.2	61.5	0	0	105.772
Stage1	7.15	100.4	46.424	UL-RL	0.165	10.98	275.2	65.5	0	0	111.924
Stage1	6.75	106.8	48.491	UL-RL	0.165	10.98	275.2	69.5	0	0	117.991
Stage1	6.35	113.2	50.504	UL-RL	0.165	10.98	275.2	73.5	0	0	124.004
Stage1	5.95	119.6	52.503	UL-RL	0.165	10.98	275.2	77.5	0	0	130.003
Stage1	5.55	126	54.503	UL-RL	0.165	10.98	275.2	81.5	0	0	136.003
Stage1	5.15	132.4	56.508	UL-RL	0.165	10.98	275.2	85.5	0	0	142.008
Stage1	4.75	138.8	58.516	UL-RL	0.165	10.98	275.2	89.5	0	0	148.016
Stage1	4.35	145.2	60.526	UL-RL	0.165	10.98	275.2	93.5	0	0	154.026
Stage1	3.95	151.6	62.538	UL-RL	0.165	10.98	275.2	97.5	0	0	160.038
Stage1	3.55	158	64.55	UL-RL	0.165	10.98	275.2	101.5	0	0	166.05
Stage1	3.15	164.4	66.564	UL-RL	0.165	10.98	275.2	105.5	0	0	172.064
Stage1	2.75	170.8	68.58	UL-RL	0.165	10.98	275.2	109.5	0	0	178.08
Stage1	2.35	177.2	70.597	UL-RL	0.165	10.98	275.2	113.5	0	0	184.097
Stage1	1.95	183.6	72.615	UL-RL	0.165	10.98	275.2	117.5	0	0	190.115
Stage1	1.55	190	74.635	UL-RL	0.165	10.98	275.2	121.5	0	0	196.135
Stage1	1.15	196.4	76.657	UL-RL	0.165	10.98	275.2	125.5	0	0	202.156
Stage1	0.75	202.8	78.68	UL-RL	0.165	10.98	275.2	129.5	0	0	208.18
Stage1	0.35	209.2	80.704	UL-RL	0.165	10.98	275.2	133.5	0	0	214.204
Stage1	-0.05	215.6	82.731	UL-RL	0.165	10.98	275.2	137.5	0	0	220.231
Stage1	-0.45	222	84.759	UL-RL	0.165	10.98	275.2	141.5	0	0	226.259
Stage1	-0.85	228.4	86.788	UL-RL	0.165	10.98	275.2	145.5	0	0	232.288
Stage1	-1.25	234.8	88.82	UL-RL	0.165	10.98	275.2	149.5	0	0	238.32
Stage1	-1.45	238	89.836	UL-RL	0.165	10.98	275.2	151.5	0	0	241.336
Stage1	-1.85	244.4	91.87	UL-RL	0.165	10.98	275.2	155.5	0	0	247.37
Stage1	-2.25	250.8	93.905	UL-RL	0.165	10.98	275.2	159.5	0	0	253.406
Stage1	-2.65	257.2	95.943	UL-RL	0.165	10.98	275.2	163.5	0	0	259.443
Stage1	-3.05	263.6	97.982	UL-RL	0.165	10.98	275.2	167.5	0	0	265.482
Stage1	-3.45	270	100.022	UL-RL	0.165	10.98	275.2	171.5	0	0	271.522
Stage1	-3.85	276.4	102.064	UL-RL	0.165	10.98	275.2	175.5	0	0	277.564
Stage1	-4.25	282.8	104.108	UL-RL	0.165	10.98	275.2	179.5	0	0	283.608

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro:	RIGHT	Lato	LEFT					
					Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage1	-4.65	289.2	106.154		UL-RL	0.165	10.98	275.2	183.5	0	0	289.654
Stage1	-5.05	295.6	108.201		UL-RL	0.165	10.98	275.2	187.5	0	0	295.701
Stage1	-5.45	302	110.25		UL-RL	0.165	10.98	275.2	191.5	0	0	301.75
Stage1	-5.85	308.4	112.301		UL-RL	0.165	10.98	275.2	195.5	0	0	307.801
Stage1	-6.25	314.8	114.353		UL-RL	0.165	10.98	275.2	199.5	0	0	313.853
Stage1	-6.45	318	115.38		UL-RL	0.165	10.98	275.2	201.5	0	0	316.88
Stage1	-6.85	324.4	117.434		UL-RL	0.165	10.98	275.2	205.5	0	0	322.934
Stage1	-7.25	330.8	119.491		UL-RL	0.165	10.98	275.2	209.5	0	0	328.991
Stage1	-7.65	337.2	121.548		UL-RL	0.165	10.98	275.2	213.5	0	0	335.048
Stage1	-8.05	343.6	123.608		UL-RL	0.165	10.98	275.2	217.5	0	0	341.108
Stage1	-8.45	350	125.669		UL-RL	0.165	10.98	275.2	221.5	0	0	347.169
Stage1	-8.85	356.4	127.732		UL-RL	0.165	10.98	275.2	225.5	0	0	353.232
Stage1	-9.25	362.8	129.796		UL-RL	0.165	10.98	275.2	229.5	0	0	359.296
Stage1	-9.65	369.2	131.862		UL-RL	0.165	10.98	275.2	233.5	0	0	365.362
Stage1	-10.05	375.6	133.929		UL-RL	0.165	10.98	275.2	237.5	0	0	371.429
Stage1	-10.45	382	135.997		UL-RL	0.165	10.98	275.2	241.5	0	0	377.497
Stage1	-10.85	388.4	138.068		UL-RL	0.165	10.98	275.2	245.5	0	0	383.568
Stage1	-11.25	394.8	140.139		UL-RL	0.165	10.98	275.2	249.5	0	0	389.639
Stage1	-11.65	401.2	142.212		UL-RL	0.165	10.98	275.2	253.5	0	0	395.712
Stage1	-12.05	407.6	144.287		UL-RL	0.165	10.98	275.2	257.5	0	0	401.787
Stage1	-12.45	414	146.363		UL-RL	0.165	10.98	275.2	261.5	0	0	407.863
Stage1	-12.85	420.4	148.44		UL-RL	0.165	10.98	275.2	265.5	0	0	413.94
Stage1	-13.25	426.8	150.519		UL-RL	0.165	10.98	275.2	269.5	0	0	420.019
Stage1	-13.65	433.2	152.599		UL-RL	0.165	10.98	275.2	273.5	0	0	426.099
Stage1	-14.05	439.6	154.68		UL-RL	0.165	10.98	275.2	277.5	0	0	432.18
Stage1	-14.45	446	156.763		UL-RL	0.165	10.98	275.2	281.5	0	0	438.263
Stage1	-14.85	452.4	158.847		UL-RL	0.165	10.98	275.2	285.5	0	0	444.346
Stage1	-15.25	458.8	160.932		UL-RL	0.165	10.98	275.2	289.5	0	0	450.432
Stage1	-15.65	465.2	163.018		UL-RL	0.165	10.98	275.2	293.5	0	0	456.518
Stage1	-16.05	471.6	165.106		UL-RL	0.165	10.98	275.2	297.5	0	0	462.606
Stage1	-16.45	478	167.195		UL-RL	0.165	10.98	275.2	301.5	0	0	468.695
Stage1	-16.85	484.4	169.285		UL-RL	0.165	10.98	275.2	305.5	0	0	474.785
Stage1	-17.25	490.8	171.376		UL-RL	0.165	10.98	275.2	309.5	0	0	480.876
Stage1	-17.65	497.2	173.469		UL-RL	0.165	10.98	275.2	313.5	0	0	486.968
Stage1	-18.05	503.6	175.562		UL-RL	0.165	10.98	275.2	317.5	0	0	493.062
Stage1	-18.45	510	177.657		UL-RL	0.165	10.98	275.2	321.5	0	0	499.157
Stage1	-18.85	516.4	179.752		UL-RL	0.165	10.98	275.2	325.5	0	0	505.252
Stage1	-19.25	522.8	181.849		UL-RL	0.165	10.98	275.2	329.5	0	0	511.349
Stage1	-19.65	529.2	183.947		UL-RL	0.165	10.98	275.2	333.5	0	0	517.447
Stage1	-20.05	535.6	186.046		UL-RL	0.165	10.98	275.2	337.5	0	0	523.546
Stage1	-20.45	542	188.146		UL-RL	0.165	10.98	275.2	341.5	0	0	529.646
Stage1	-20.85	548.4	190.247		UL-RL	0.165	10.98	275.2	345.5	0	0	535.747
Stage1	-21.25	554.8	192.349		UL-RL	0.165	10.98	275.2	349.5	0	0	541.849
Stage1	-21.65	561.2	194.452		UL-RL	0.165	10.98	275.2	353.5	0	0	547.951
Stage1	-22.05	567.6	196.555		UL-RL	0.165	10.98	275.2	357.5	0	0	554.055
Stage1	-22.3	571.6	197.871		UL-RL	0.165	10.98	275.2	360	0	0	557.871

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage1	15.7	0	0	ACTIVE	0.433	2.529	11.2	0	0	0
Stage1	15.35	17.458	9.33	UL-RL	0.433	2.529	11.2	0	0	9.33
Stage1	14.95	29.048	16.576	UL-RL	0.433	2.529	11.2	0	0	16.576
Stage1	14.55	38.765	23.464	UL-RL	0.433	2.529	11.2	0	0	23.464
Stage1	14.15	47.577	29.992	UL-RL	0.433	2.529	11.2	0	0	29.992
Stage1	13.75	56.284	36.126	UL-RL	0.433	2.529	11.2	0	0	36.126
Stage1	13.35	61.627	39.58	UL-RL	0.433	2.529	11.2	3.5	0	43.08
Stage1	12.95	66.266	42.421	UL-RL	0.433	2.529	11.2	7.5	0	49.921
Stage1	12.55	70.768	45.064	UL-RL	0.433	2.529	11.2	11.5	0	56.564
Stage1	12.15	73.911	47.586	UL-RL	0.433	2.529	11.2	15.5	0	63.086
Stage1	11.75	77.507	50.052	UL-RL	0.433	2.529	11.2	19.5	0	69.552
Stage1	11.35	81.398	52.509	UL-RL	0.433	2.529	11.2	23.5	0	76.009
Stage1	10.95	85.308	54.991	UL-RL	0.433	2.529	11.2	27.5	0	82.491
Stage1	10.55	89.233	57.522	UL-RL	0.433	2.529	11.2	31.5	0	89.022
Stage1	10.15	93.169	60.115	UL-RL	0.433	2.529	11.2	35.5	0	95.615
Stage1	9.95	95.544	61.434	UL-RL	0.433	2.529	11.2	37.5	0	98.934
Stage1	9.55	99.469	64.112	UL-RL	0.433	2.529	11.2	41.5	0	105.612
Stage1	9.15	103.403	66.817	UL-RL	0.433	2.529	11.2	45.5	0	112.317
Stage1	8.75	107.646	34.248	UL-RL	0.165	10.98	275.2	49.5	0	83.748
Stage1	8.35	113.995	40.526	UL-RL	0.165	10.98	275.2	53.5	0	94.026
Stage1	7.95	120.349	43.339	UL-RL	0.165	10.98	275.2	57.5	0	100.839
Stage1	7.55	126.708	44.994	UL-RL	0.165	10.98	275.2	61.5	0	106.494
Stage1	7.15	133.072	46.626	UL-RL	0.165	10.98	275.2	65.5	0	112.126
Stage1	6.75	139.438	48.472	UL-RL	0.165	10.98	275.2	69.5	0	117.972
Stage1	6.35	145.808	50.453	UL-RL	0.165	10.98	275.2	73.5	0	123.953
Stage1	5.95	152.18	52.475	UL-RL	0.165	10.98	275.2	77.5	0	129.975
Stage1	5.55	159.019	54.496	UL-RL	0.165	10.98	275.2	81.5	0	135.996
Stage1	5.15	165.379	56.509	UL-RL	0.165	10.98	275.2	85.5	0	142.009
Stage1	4.75	171.742	58.518	UL-RL	0.165	10.98	275.2	89.5	0	148.018
Stage1	4.35	178.107	60.527	UL-RL	0.165	10.98	275.2	93.5	0	154.027
Stage1	3.95	184.475	62.538	UL-RL	0.165	10.98	275.2	97.5	0	160.038
Stage1	3.55	190.845	64.55	UL-RL	0.165	10.98	275.2	101.5	0	166.05
Stage1	3.15	197.217	66.564	UL-RL	0.165	10.98	275.2	105.5	0	172.064
Stage1	2.75	203.591	68.58	UL-RL	0.165	10.98	275.2	109.5	0	178.08
Stage1	2.35	209.966	70.597	UL-RL	0.165	10.98	275.2	113.5	0	184.097
Stage1	1.95	216.343	72.615	UL-RL	0.165	10.98	275.2	117.5	0	190.115
Stage1	1.55	222.721	74.635	UL-RL	0.165	10.98	275.2	121.5	0	196.135
Stage1	1.15	229.1	76.657	UL-RL	0.165	10.98	275.2	125.5	0	202.156
Stage1	0.75	235.798	78.68	UL-RL	0.165	10.98	275.2	129.5	0	208.18
Stage1	0.35	242.171	80.704	UL-RL	0.165	10.98	275.2	133.5	0	214.204
Stage1	-0.05	248.546	82.731	UL-RL	0.165	10.98	275.2	137.5	0	220.231
Stage1	-0.45	254.923	84.759	UL-RL	0.165	10.98	275.2	141.5	0	226.259
Stage1	-0.85	261.3	86.788	UL-RL	0.165	10.98	275.2	145.5	0	232.288
Stage1	-1.25	267.678	88.82	UL-RL	0.165	10.98	275.2	149.5	0	238.32
Stage1	-1.45	271.006	89.836	UL-RL	0.165	10.98	275.2	151.5	0	241.336
Stage1	-1.85	277.383	91.87	UL-RL	0.165	10.98	275.2	155.5	0	247.37
Stage1	-2.25	283.761	93.905	UL-RL	0.165	10.98	275.2	159.5	0	253.406
Stage1	-2.65	290.14	95.943	UL-RL	0.165	10.98	275.2	163.5	0	259.443
Stage1	-3.05	296.519	97.982	UL-RL	0.165	10.98	275.2	167.5	0	265.482
Stage1	-3.45	302.9	100.022	UL-RL	0.165	10.98	275.2	171.5	0	271.522
Stage1	-3.85	309.281	102.064	UL-RL	0.165	10.98	275.2	175.5	0	277.564
Stage1	-4.25	315.663	104.108	UL-RL	0.165	10.98	275.2	179.5	0	283.608
Stage1	-4.65	322.046	106.154	UL-RL	0.165	10.98	275.2	183.5	0	289.654
Stage1	-5.05	328.43	108.201	UL-RL	0.165	10.98	275.2	187.5	0	295.701
Stage1	-5.45	334.814	110.25	UL-RL	0.165	10.98	275.2	191.5	0	301.75

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato RIGHT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp					
Stage1	-5.85	341.198	112.301	UL-RL	0.165	10.98	275.2	195.5	0	0	307.801
Stage1	-6.25	347.8	114.353	UL-RL	0.165	10.98	275.2	199.5	0	0	313.853
Stage1	-6.45	350.884	115.38	UL-RL	0.165	10.98	275.2	201.5	0	0	316.88
Stage1	-6.85	357.268	117.434	UL-RL	0.165	10.98	275.2	205.5	0	0	322.934
Stage1	-7.25	363.653	119.491	UL-RL	0.165	10.98	275.2	209.5	0	0	328.991
Stage1	-7.65	370.038	121.548	UL-RL	0.165	10.98	275.2	213.5	0	0	335.048
Stage1	-8.05	376.424	123.608	UL-RL	0.165	10.98	275.2	217.5	0	0	341.108
Stage1	-8.45	383.007	125.669	UL-RL	0.165	10.98	275.2	221.5	0	0	347.169
Stage1	-8.85	389.391	127.732	UL-RL	0.165	10.98	275.2	225.5	0	0	353.232
Stage1	-9.25	395.775	129.796	UL-RL	0.165	10.98	275.2	229.5	0	0	359.296
Stage1	-9.65	402.16	131.862	UL-RL	0.165	10.98	275.2	233.5	0	0	365.362
Stage1	-10.05	408.545	133.929	UL-RL	0.165	10.98	275.2	237.5	0	0	371.429
Stage1	-10.45	414.93	135.997	UL-RL	0.165	10.98	275.2	241.5	0	0	377.497
Stage1	-10.85	421.316	138.068	UL-RL	0.165	10.98	275.2	245.5	0	0	383.568
Stage1	-11.25	427.703	140.139	UL-RL	0.165	10.98	275.2	249.5	0	0	389.639
Stage1	-11.65	434.09	142.212	UL-RL	0.165	10.98	275.2	253.5	0	0	395.712
Stage1	-12.05	440.477	144.287	UL-RL	0.165	10.98	275.2	257.5	0	0	401.787
Stage1	-12.45	446.864	146.363	UL-RL	0.165	10.98	275.2	261.5	0	0	407.863
Stage1	-12.85	453.252	148.44	UL-RL	0.165	10.98	275.2	265.5	0	0	413.94
Stage1	-13.25	459.805	150.519	UL-RL	0.165	10.98	275.2	269.5	0	0	420.019
Stage1	-13.65	466.191	152.599	UL-RL	0.165	10.98	275.2	273.5	0	0	426.099
Stage1	-14.05	472.578	154.68	UL-RL	0.165	10.98	275.2	277.5	0	0	432.18
Stage1	-14.45	478.965	156.763	UL-RL	0.165	10.98	275.2	281.5	0	0	438.263
Stage1	-14.85	485.352	158.847	UL-RL	0.165	10.98	275.2	285.5	0	0	444.346
Stage1	-15.25	491.74	160.932	UL-RL	0.165	10.98	275.2	289.5	0	0	450.432
Stage1	-15.65	498.128	163.018	UL-RL	0.165	10.98	275.2	293.5	0	0	456.518
Stage1	-16.05	504.516	165.106	UL-RL	0.165	10.98	275.2	297.5	0	0	462.606
Stage1	-16.45	510.905	167.195	UL-RL	0.165	10.98	275.2	301.5	0	0	468.695
Stage1	-16.85	517.294	169.285	UL-RL	0.165	10.98	275.2	305.5	0	0	474.785
Stage1	-17.25	523.683	171.376	UL-RL	0.165	10.98	275.2	309.5	0	0	480.876
Stage1	-17.65	530.072	173.469	UL-RL	0.165	10.98	275.2	313.5	0	0	486.968
Stage1	-18.05	536.603	175.562	UL-RL	0.165	10.98	275.2	317.5	0	0	493.062
Stage1	-18.45	542.992	177.657	UL-RL	0.165	10.98	275.2	321.5	0	0	499.157
Stage1	-18.85	549.38	179.752	UL-RL	0.165	10.98	275.2	325.5	0	0	505.252
Stage1	-19.25	555.769	181.849	UL-RL	0.165	10.98	275.2	329.5	0	0	511.349
Stage1	-19.65	562.158	183.947	UL-RL	0.165	10.98	275.2	333.5	0	0	517.447
Stage1	-20.05	568.548	186.046	UL-RL	0.165	10.98	275.2	337.5	0	0	523.546
Stage1	-20.45	574.937	188.146	UL-RL	0.165	10.98	275.2	341.5	0	0	529.646
Stage1	-20.85	581.327	190.247	UL-RL	0.165	10.98	275.2	345.5	0	0	535.747
Stage1	-21.25	587.717	192.349	UL-RL	0.165	10.98	275.2	349.5	0	0	541.849
Stage1	-21.65	594.107	194.452	UL-RL	0.165	10.98	275.2	353.5	0	0	547.951
Stage1	-22.05	600.498	196.555	UL-RL	0.165	10.98	275.2	357.5	0	0	554.055
Stage1	-22.3	604.539	197.871	UL-RL	0.165	10.98	275.2	360	0	0	557.871

PROGETTO DEFINITIVO

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IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage2

Design Assumption: Nominal Risultati Terreno									
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage2	15.7	0	0	UL-RL0.433 2.529	11.2	0	0	0	0
Stage2	15.35	17.458	9.33	UL-RL0.433 2.529	11.2	0	0	0	9.33
Stage2	14.95	29.048	16.576	UL-RL0.433 2.529	11.2	0	0	0	16.576
Stage2	14.55	38.765	23.464	UL-RL0.433 2.529	11.2	0	0	0	23.464
Stage2	14.15	47.577	29.992	UL-RL0.433 2.529	11.2	0	0	0	29.992
Stage2	13.75	56.284	36.126	UL-RL0.433 2.529	11.2	0	0	0	36.126
Stage2	13.35	61.627	39.58	UL-RL0.433 2.529	11.2	3.5	0	0	43.08
Stage2	12.95	66.266	42.421	UL-RL0.433 2.529	11.2	7.5	0	0	49.921
Stage2	12.55	70.768	45.064	UL-RL0.433 2.529	11.2	11.5	0	0	56.564
Stage2	12.15	73.911	47.586	UL-RL0.433 2.529	11.2	15.5	0	0	63.086
Stage2	11.75	77.507	50.052	UL-RL0.433 2.529	11.2	19.5	0	0	69.552
Stage2	11.35	81.398	52.509	UL-RL0.433 2.529	11.2	23.5	0	0	76.009
Stage2	10.95	85.308	54.991	UL-RL0.433 2.529	11.2	27.5	0	0	82.491
Stage2	10.55	89.233	57.522	UL-RL0.433 2.529	11.2	31.5	0	0	89.022
Stage2	10.15	93.169	60.115	UL-RL0.433 2.529	11.2	35.5	0	0	95.615
Stage2	9.95	95.544	61.434	UL-RL0.433 2.529	11.2	37.5	0	0	98.934
Stage2	9.55	99.469	64.112	UL-RL0.433 2.529	11.2	41.5	0	0	105.612
Stage2	9.15	103.403	66.817	UL-RL0.433 2.529	11.2	45.5	0	0	112.317
Stage2	8.75	107.646	34.248	UL-RL0.165 10.98	275.2	49.5	0	0	83.748
Stage2	8.35	113.995	40.526	UL-RL0.165 10.98	275.2	53.5	0	0	94.026
Stage2	7.95	120.349	43.339	UL-RL0.165 10.98	275.2	57.5	0	0	100.839
Stage2	7.55	126.708	44.994	UL-RL0.165 10.98	275.2	61.5	0	0	106.494
Stage2	7.15	133.072	46.626	UL-RL0.165 10.98	275.2	65.5	0	0	112.126
Stage2	6.75	139.438	48.472	UL-RL0.165 10.98	275.2	69.5	0	0	117.972
Stage2	6.35	145.808	50.453	UL-RL0.165 10.98	275.2	73.5	0	0	123.953
Stage2	5.95	152.18	52.475	UL-RL0.165 10.98	275.2	77.5	0	0	129.975
Stage2	5.55	159.019	54.496	UL-RL0.165 10.98	275.2	81.5	0	0	135.996
Stage2	5.15	165.379	56.509	UL-RL0.165 10.98	275.2	85.5	0	0	142.009
Stage2	4.75	171.742	58.518	UL-RL0.165 10.98	275.2	89.5	0	0	148.018
Stage2	4.35	178.107	60.527	UL-RL0.165 10.98	275.2	93.5	0	0	154.027
Stage2	3.95	184.475	62.538	UL-RL0.165 10.98	275.2	97.5	0	0	160.038
Stage2	3.55	190.845	64.55	UL-RL0.165 10.98	275.2	101.5	0	0	166.05
Stage2	3.15	197.217	66.564	UL-RL0.165 10.98	275.2	105.5	0	0	172.064
Stage2	2.75	203.591	68.58	UL-RL0.165 10.98	275.2	109.5	0	0	178.08
Stage2	2.35	209.966	70.597	UL-RL0.165 10.98	275.2	113.5	0	0	184.097
Stage2	1.95	216.343	72.615	UL-RL0.165 10.98	275.2	117.5	0	0	190.115
Stage2	1.55	222.721	74.635	UL-RL0.165 10.98	275.2	121.5	0	0	196.135
Stage2	1.15	229.1	76.657	UL-RL0.165 10.98	275.2	125.5	0	0	202.156
Stage2	0.75	235.798	78.68	UL-RL0.165 10.98	275.2	129.5	0	0	208.18
Stage2	0.35	242.171	80.704	UL-RL0.165 10.98	275.2	133.5	0	0	214.204
Stage2	-0.05	248.546	82.731	UL-RL0.165 10.98	275.2	137.5	0	0	220.231
Stage2	-0.45	254.923	84.759	UL-RL0.165 10.98	275.2	141.5	0	0	226.259
Stage2	-0.85	261.3	86.788	UL-RL0.165 10.98	275.2	145.5	0	0	232.288
Stage2	-1.25	267.678	88.82	UL-RL0.165 10.98	275.2	149.5	0	0	238.32
Stage2	-1.45	271.006	89.836	UL-RL0.165 10.98	275.2	151.5	0	0	241.336
Stage2	-1.85	277.383	91.87	UL-RL0.165 10.98	275.2	155.5	0	0	247.37
Stage2	-2.25	283.761	93.905	UL-RL0.165 10.98	275.2	159.5	0	0	253.406
Stage2	-2.65	290.14	95.943	UL-RL0.165 10.98	275.2	163.5	0	0	259.443
Stage2	-3.05	296.519	97.982	UL-RL0.165 10.98	275.2	167.5	0	0	265.482
Stage2	-3.45	302.9	100.022	UL-RL0.165 10.98	275.2	171.5	0	0	271.522
Stage2	-3.85	309.281	102.064	UL-RL0.165 10.98	275.2	175.5	0	0	277.564
Stage2	-4.25	315.663	104.108	UL-RL0.165 10.98	275.2	179.5	0	0	283.608

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IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato LEFT	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage2	-4.65	322.046	106.154	UL-RL0.165	10.98	275.2	183.5	0	0	289.654		
Stage2	-5.05	328.43	108.201	UL-RL0.165	10.98	275.2	187.5	0	0	295.701		
Stage2	-5.45	334.814	110.25	UL-RL0.165	10.98	275.2	191.5	0	0	301.75		
Stage2	-5.85	341.198	112.301	UL-RL0.165	10.98	275.2	195.5	0	0	307.801		
Stage2	-6.25	347.8	114.353	UL-RL0.165	10.98	275.2	199.5	0	0	313.853		
Stage2	-6.45	350.884	115.38	UL-RL0.165	10.98	275.2	201.5	0	0	316.88		
Stage2	-6.85	357.268	117.434	UL-RL0.165	10.98	275.2	205.5	0	0	322.934		
Stage2	-7.25	363.653	119.491	UL-RL0.165	10.98	275.2	209.5	0	0	328.991		
Stage2	-7.65	370.038	121.548	UL-RL0.165	10.98	275.2	213.5	0	0	335.048		
Stage2	-8.05	376.424	123.608	UL-RL0.165	10.98	275.2	217.5	0	0	341.108		
Stage2	-8.45	383.007	125.669	UL-RL0.165	10.98	275.2	221.5	0	0	347.169		
Stage2	-8.85	389.391	127.732	UL-RL0.165	10.98	275.2	225.5	0	0	353.232		
Stage2	-9.25	395.775	129.796	UL-RL0.165	10.98	275.2	229.5	0	0	359.296		
Stage2	-9.65	402.16	131.862	UL-RL0.165	10.98	275.2	233.5	0	0	365.362		
Stage2	-10.05	408.545	133.929	UL-RL0.165	10.98	275.2	237.5	0	0	371.429		
Stage2	-10.45	414.93	135.997	UL-RL0.165	10.98	275.2	241.5	0	0	377.497		
Stage2	-10.85	421.316	138.068	UL-RL0.165	10.98	275.2	245.5	0	0	383.568		
Stage2	-11.25	427.703	140.139	UL-RL0.165	10.98	275.2	249.5	0	0	389.639		
Stage2	-11.65	434.09	142.212	UL-RL0.165	10.98	275.2	253.5	0	0	395.712		
Stage2	-12.05	440.477	144.287	UL-RL0.165	10.98	275.2	257.5	0	0	401.787		
Stage2	-12.45	446.864	146.363	UL-RL0.165	10.98	275.2	261.5	0	0	407.863		
Stage2	-12.85	453.252	148.44	UL-RL0.165	10.98	275.2	265.5	0	0	413.94		
Stage2	-13.25	459.805	150.519	UL-RL0.165	10.98	275.2	269.5	0	0	420.019		
Stage2	-13.65	466.191	152.599	UL-RL0.165	10.98	275.2	273.5	0	0	426.099		
Stage2	-14.05	472.578	154.68	UL-RL0.165	10.98	275.2	277.5	0	0	432.18		
Stage2	-14.45	478.965	156.763	UL-RL0.165	10.98	275.2	281.5	0	0	438.263		
Stage2	-14.85	485.352	158.847	UL-RL0.165	10.98	275.2	285.5	0	0	444.346		
Stage2	-15.25	491.74	160.932	UL-RL0.165	10.98	275.2	289.5	0	0	450.432		
Stage2	-15.65	498.128	163.018	UL-RL0.165	10.98	275.2	293.5	0	0	456.518		
Stage2	-16.05	504.516	165.106	UL-RL0.165	10.98	275.2	297.5	0	0	462.606		
Stage2	-16.45	510.905	167.195	UL-RL0.165	10.98	275.2	301.5	0	0	468.695		
Stage2	-16.85	517.294	169.285	UL-RL0.165	10.98	275.2	305.5	0	0	474.785		
Stage2	-17.25	523.683	171.376	UL-RL0.165	10.98	275.2	309.5	0	0	480.876		
Stage2	-17.65	530.072	173.469	UL-RL0.165	10.98	275.2	313.5	0	0	486.968		
Stage2	-18.05	536.603	175.562	UL-RL0.165	10.98	275.2	317.5	0	0	493.062		
Stage2	-18.45	542.992	177.657	UL-RL0.165	10.98	275.2	321.5	0	0	499.157		
Stage2	-18.85	549.38	179.752	UL-RL0.165	10.98	275.2	325.5	0	0	505.252		
Stage2	-19.25	555.769	181.849	UL-RL0.165	10.98	275.2	329.5	0	0	511.349		
Stage2	-19.65	562.158	183.947	UL-RL0.165	10.98	275.2	333.5	0	0	517.447		
Stage2	-20.05	568.548	186.046	UL-RL0.165	10.98	275.2	337.5	0	0	523.546		
Stage2	-20.45	574.937	188.146	UL-RL0.165	10.98	275.2	341.5	0	0	529.646		
Stage2	-20.85	581.327	190.247	UL-RL0.165	10.98	275.2	345.5	0	0	535.747		
Stage2	-21.25	587.717	192.349	UL-RL0.165	10.98	275.2	349.5	0	0	541.849		
Stage2	-21.65	594.107	194.452	UL-RL0.165	10.98	275.2	353.5	0	0	547.951		
Stage2	-22.05	600.498	196.555	UL-RL0.165	10.98	275.2	357.5	0	0	554.055		
Stage2	-22.3	604.539	197.871	UL-RL0.165	10.98	275.2	360	0	0	557.871		

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	14.95	0	18.69	UL-RL	0.433	2.529	11.2	0	0	0	18.69
Stage2	14.55	8	28.664	UL-RL	0.433	2.529	11.2	0	0	0	28.664
Stage2	14.15	16	33.181	UL-RL	0.433	2.529	11.2	0	0	0	33.181
Stage2	13.75	24	37.647	UL-RL	0.433	2.529	11.2	0	0	0	37.647
Stage2	13.35	28.5	39.897	UL-RL	0.433	2.529	11.2	3.5	0	0	43.397
Stage2	12.95	32.5	42.08	UL-RL	0.433	2.529	11.2	7.5	0	0	49.58
Stage2	12.55	36.5	44.452	UL-RL	0.433	2.529	11.2	11.5	0	0	55.952
Stage2	12.15	40.5	46.94	UL-RL	0.433	2.529	11.2	15.5	0	0	62.44
Stage2	11.75	44.5	49.482	UL-RL	0.433	2.529	11.2	19.5	0	0	68.982
Stage2	11.35	48.5	52.031	UL-RL	0.433	2.529	11.2	23.5	0	0	75.531
Stage2	10.95	52.5	54.553	UL-RL	0.433	2.529	11.2	27.5	0	0	82.053
Stage2	10.55	56.5	57.026	UL-RL	0.433	2.529	11.2	31.5	0	0	88.526
Stage2	10.15	60.5	59.438	UL-RL	0.433	2.529	11.2	35.5	0	0	94.938
Stage2	9.95	62.5	60.621	UL-RL	0.433	2.529	11.2	37.5	0	0	98.121
Stage2	9.55	66.5	62.949	UL-RL	0.433	2.529	11.2	41.5	0	0	104.449
Stage2	9.15	70.5	65.251	UL-RL	0.433	2.529	11.2	45.5	0	0	110.751
Stage2	8.75	74.8	40.184	UL-RL	0.165	10.98	275.2	49.5	0	0	89.684
Stage2	8.35	81.2	40.457	UL-RL	0.165	10.98	275.2	53.5	0	0	93.957
Stage2	7.95	87.6	42.131	UL-RL	0.165	10.98	275.2	57.5	0	0	99.631
Stage2	7.55	94	44.272	UL-RL	0.165	10.98	275.2	61.5	0	0	105.772
Stage2	7.15	100.4	46.424	UL-RL	0.165	10.98	275.2	65.5	0	0	111.924
Stage2	6.75	106.8	48.491	UL-RL	0.165	10.98	275.2	69.5	0	0	117.991
Stage2	6.35	113.2	50.504	UL-RL	0.165	10.98	275.2	73.5	0	0	124.004
Stage2	5.95	119.6	52.503	UL-RL	0.165	10.98	275.2	77.5	0	0	130.003
Stage2	5.55	126	54.503	UL-RL	0.165	10.98	275.2	81.5	0	0	136.003
Stage2	5.15	132.4	56.508	UL-RL	0.165	10.98	275.2	85.5	0	0	142.008
Stage2	4.75	138.8	58.516	UL-RL	0.165	10.98	275.2	89.5	0	0	148.016
Stage2	4.35	145.2	60.526	UL-RL	0.165	10.98	275.2	93.5	0	0	154.026
Stage2	3.95	151.6	62.538	UL-RL	0.165	10.98	275.2	97.5	0	0	160.038
Stage2	3.55	158	64.55	UL-RL	0.165	10.98	275.2	101.5	0	0	166.05
Stage2	3.15	164.4	66.564	UL-RL	0.165	10.98	275.2	105.5	0	0	172.064
Stage2	2.75	170.8	68.58	UL-RL	0.165	10.98	275.2	109.5	0	0	178.08
Stage2	2.35	177.2	70.597	UL-RL	0.165	10.98	275.2	113.5	0	0	184.097
Stage2	1.95	183.6	72.615	UL-RL	0.165	10.98	275.2	117.5	0	0	190.115
Stage2	1.55	190	74.635	UL-RL	0.165	10.98	275.2	121.5	0	0	196.135
Stage2	1.15	196.4	76.657	UL-RL	0.165	10.98	275.2	125.5	0	0	202.156
Stage2	0.75	202.8	78.68	UL-RL	0.165	10.98	275.2	129.5	0	0	208.18
Stage2	0.35	209.2	80.704	UL-RL	0.165	10.98	275.2	133.5	0	0	214.204
Stage2	-0.05	215.6	82.731	UL-RL	0.165	10.98	275.2	137.5	0	0	220.231
Stage2	-0.45	222	84.759	UL-RL	0.165	10.98	275.2	141.5	0	0	226.259
Stage2	-0.85	228.4	86.788	UL-RL	0.165	10.98	275.2	145.5	0	0	232.288
Stage2	-1.25	234.8	88.82	UL-RL	0.165	10.98	275.2	149.5	0	0	238.32
Stage2	-1.45	238	89.836	UL-RL	0.165	10.98	275.2	151.5	0	0	241.336
Stage2	-1.85	244.4	91.87	UL-RL	0.165	10.98	275.2	155.5	0	0	247.37
Stage2	-2.25	250.8	93.905	UL-RL	0.165	10.98	275.2	159.5	0	0	253.406
Stage2	-2.65	257.2	95.943	UL-RL	0.165	10.98	275.2	163.5	0	0	259.443
Stage2	-3.05	263.6	97.982	UL-RL	0.165	10.98	275.2	167.5	0	0	265.482
Stage2	-3.45	270	100.022	UL-RL	0.165	10.98	275.2	171.5	0	0	271.522
Stage2	-3.85	276.4	102.064	UL-RL	0.165	10.98	275.2	175.5	0	0	277.564
Stage2	-4.25	282.8	104.108	UL-RL	0.165	10.98	275.2	179.5	0	0	283.608
Stage2	-4.65	289.2	106.154	UL-RL	0.165	10.98	275.2	183.5	0	0	289.654
Stage2	-5.05	295.6	108.201	UL-RL	0.165	10.98	275.2	187.5	0	0	295.701
Stage2	-5.45	302	110.25	UL-RL	0.165	10.98	275.2	191.5	0	0	301.75

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		LEFT	Lato		RIGHT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-5.85	308.4	112.301	UL-RL	0.165	10.98	275.2	195.5	0	0	307.801
Stage2	-6.25	314.8	114.353	UL-RL	0.165	10.98	275.2	199.5	0	0	313.853
Stage2	-6.45	318	115.38	UL-RL	0.165	10.98	275.2	201.5	0	0	316.88
Stage2	-6.85	324.4	117.434	UL-RL	0.165	10.98	275.2	205.5	0	0	322.934
Stage2	-7.25	330.8	119.491	UL-RL	0.165	10.98	275.2	209.5	0	0	328.991
Stage2	-7.65	337.2	121.548	UL-RL	0.165	10.98	275.2	213.5	0	0	335.048
Stage2	-8.05	343.6	123.608	UL-RL	0.165	10.98	275.2	217.5	0	0	341.108
Stage2	-8.45	350	125.669	UL-RL	0.165	10.98	275.2	221.5	0	0	347.169
Stage2	-8.85	356.4	127.732	UL-RL	0.165	10.98	275.2	225.5	0	0	353.232
Stage2	-9.25	362.8	129.796	UL-RL	0.165	10.98	275.2	229.5	0	0	359.296
Stage2	-9.65	369.2	131.862	UL-RL	0.165	10.98	275.2	233.5	0	0	365.362
Stage2	-10.05	375.6	133.929	UL-RL	0.165	10.98	275.2	237.5	0	0	371.429
Stage2	-10.45	382	135.997	UL-RL	0.165	10.98	275.2	241.5	0	0	377.497
Stage2	-10.85	388.4	138.068	UL-RL	0.165	10.98	275.2	245.5	0	0	383.568
Stage2	-11.25	394.8	140.139	UL-RL	0.165	10.98	275.2	249.5	0	0	389.639
Stage2	-11.65	401.2	142.212	UL-RL	0.165	10.98	275.2	253.5	0	0	395.712
Stage2	-12.05	407.6	144.287	UL-RL	0.165	10.98	275.2	257.5	0	0	401.787
Stage2	-12.45	414	146.363	UL-RL	0.165	10.98	275.2	261.5	0	0	407.863
Stage2	-12.85	420.4	148.44	UL-RL	0.165	10.98	275.2	265.5	0	0	413.94
Stage2	-13.25	426.8	150.519	UL-RL	0.165	10.98	275.2	269.5	0	0	420.019
Stage2	-13.65	433.2	152.599	UL-RL	0.165	10.98	275.2	273.5	0	0	426.099
Stage2	-14.05	439.6	154.68	UL-RL	0.165	10.98	275.2	277.5	0	0	432.18
Stage2	-14.45	446	156.763	UL-RL	0.165	10.98	275.2	281.5	0	0	438.263
Stage2	-14.85	452.4	158.847	UL-RL	0.165	10.98	275.2	285.5	0	0	444.346
Stage2	-15.25	458.8	160.932	UL-RL	0.165	10.98	275.2	289.5	0	0	450.432
Stage2	-15.65	465.2	163.018	UL-RL	0.165	10.98	275.2	293.5	0	0	456.518
Stage2	-16.05	471.6	165.106	UL-RL	0.165	10.98	275.2	297.5	0	0	462.606
Stage2	-16.45	478	167.195	UL-RL	0.165	10.98	275.2	301.5	0	0	468.695
Stage2	-16.85	484.4	169.285	UL-RL	0.165	10.98	275.2	305.5	0	0	474.785
Stage2	-17.25	490.8	171.376	UL-RL	0.165	10.98	275.2	309.5	0	0	480.876
Stage2	-17.65	497.2	173.469	UL-RL	0.165	10.98	275.2	313.5	0	0	486.968
Stage2	-18.05	503.6	175.562	UL-RL	0.165	10.98	275.2	317.5	0	0	493.062
Stage2	-18.45	510	177.657	UL-RL	0.165	10.98	275.2	321.5	0	0	499.157
Stage2	-18.85	516.4	179.752	UL-RL	0.165	10.98	275.2	325.5	0	0	505.252
Stage2	-19.25	522.8	181.849	UL-RL	0.165	10.98	275.2	329.5	0	0	511.349
Stage2	-19.65	529.2	183.947	UL-RL	0.165	10.98	275.2	333.5	0	0	517.447
Stage2	-20.05	535.6	186.046	UL-RL	0.165	10.98	275.2	337.5	0	0	523.546
Stage2	-20.45	542	188.146	UL-RL	0.165	10.98	275.2	341.5	0	0	529.646
Stage2	-20.85	548.4	190.247	UL-RL	0.165	10.98	275.2	345.5	0	0	535.747
Stage2	-21.25	554.8	192.349	UL-RL	0.165	10.98	275.2	349.5	0	0	541.849
Stage2	-21.65	561.2	194.452	UL-RL	0.165	10.98	275.2	353.5	0	0	547.951
Stage2	-22.05	567.6	196.555	UL-RL	0.165	10.98	275.2	357.5	0	0	554.055
Stage2	-22.3	571.6	197.871	UL-RL	0.165	10.98	275.2	360	0	0	557.871

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage2

Design Assumption: Nominal Risultati Terreno				Muro:	RIGHT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage2	14.95	0	18.69	UL-RL	0.433	2.529	11.2	0	0	0	18.69
Stage2	14.55	8	28.664	UL-RL	0.433	2.529	11.2	0	0	0	28.664
Stage2	14.15	16	33.181	UL-RL	0.433	2.529	11.2	0	0	0	33.181
Stage2	13.75	24	37.647	UL-RL	0.433	2.529	11.2	0	0	0	37.647
Stage2	13.35	28.5	39.897	UL-RL	0.433	2.529	11.2	3.5	0	0	43.397
Stage2	12.95	32.5	42.08	UL-RL	0.433	2.529	11.2	7.5	0	0	49.58
Stage2	12.55	36.5	44.452	UL-RL	0.433	2.529	11.2	11.5	0	0	55.952
Stage2	12.15	40.5	46.94	UL-RL	0.433	2.529	11.2	15.5	0	0	62.44
Stage2	11.75	44.5	49.482	UL-RL	0.433	2.529	11.2	19.5	0	0	68.982
Stage2	11.35	48.5	52.031	UL-RL	0.433	2.529	11.2	23.5	0	0	75.531
Stage2	10.95	52.5	54.553	UL-RL	0.433	2.529	11.2	27.5	0	0	82.053
Stage2	10.55	56.5	57.026	UL-RL	0.433	2.529	11.2	31.5	0	0	88.526
Stage2	10.15	60.5	59.438	UL-RL	0.433	2.529	11.2	35.5	0	0	94.938
Stage2	9.95	62.5	60.621	UL-RL	0.433	2.529	11.2	37.5	0	0	98.121
Stage2	9.55	66.5	62.949	UL-RL	0.433	2.529	11.2	41.5	0	0	104.449
Stage2	9.15	70.5	65.251	UL-RL	0.433	2.529	11.2	45.5	0	0	110.751
Stage2	8.75	74.8	40.184	UL-RL	0.165	10.98	275.2	49.5	0	0	89.684
Stage2	8.35	81.2	40.457	UL-RL	0.165	10.98	275.2	53.5	0	0	93.957
Stage2	7.95	87.6	42.131	UL-RL	0.165	10.98	275.2	57.5	0	0	99.631
Stage2	7.55	94	44.272	UL-RL	0.165	10.98	275.2	61.5	0	0	105.772
Stage2	7.15	100.4	46.424	UL-RL	0.165	10.98	275.2	65.5	0	0	111.924
Stage2	6.75	106.8	48.491	UL-RL	0.165	10.98	275.2	69.5	0	0	117.991
Stage2	6.35	113.2	50.504	UL-RL	0.165	10.98	275.2	73.5	0	0	124.004
Stage2	5.95	119.6	52.503	UL-RL	0.165	10.98	275.2	77.5	0	0	130.003
Stage2	5.55	126	54.503	UL-RL	0.165	10.98	275.2	81.5	0	0	136.003
Stage2	5.15	132.4	56.508	UL-RL	0.165	10.98	275.2	85.5	0	0	142.008
Stage2	4.75	138.8	58.516	UL-RL	0.165	10.98	275.2	89.5	0	0	148.016
Stage2	4.35	145.2	60.526	UL-RL	0.165	10.98	275.2	93.5	0	0	154.026
Stage2	3.95	151.6	62.538	UL-RL	0.165	10.98	275.2	97.5	0	0	160.038
Stage2	3.55	158	64.55	UL-RL	0.165	10.98	275.2	101.5	0	0	166.05
Stage2	3.15	164.4	66.564	UL-RL	0.165	10.98	275.2	105.5	0	0	172.064
Stage2	2.75	170.8	68.58	UL-RL	0.165	10.98	275.2	109.5	0	0	178.08
Stage2	2.35	177.2	70.597	UL-RL	0.165	10.98	275.2	113.5	0	0	184.097
Stage2	1.95	183.6	72.615	UL-RL	0.165	10.98	275.2	117.5	0	0	190.115
Stage2	1.55	190	74.635	UL-RL	0.165	10.98	275.2	121.5	0	0	196.135
Stage2	1.15	196.4	76.657	UL-RL	0.165	10.98	275.2	125.5	0	0	202.156
Stage2	0.75	202.8	78.68	UL-RL	0.165	10.98	275.2	129.5	0	0	208.18
Stage2	0.35	209.2	80.704	UL-RL	0.165	10.98	275.2	133.5	0	0	214.204
Stage2	-0.05	215.6	82.731	UL-RL	0.165	10.98	275.2	137.5	0	0	220.231
Stage2	-0.45	222	84.759	UL-RL	0.165	10.98	275.2	141.5	0	0	226.259
Stage2	-0.85	228.4	86.788	UL-RL	0.165	10.98	275.2	145.5	0	0	232.288
Stage2	-1.25	234.8	88.82	UL-RL	0.165	10.98	275.2	149.5	0	0	238.32
Stage2	-1.45	238	89.836	UL-RL	0.165	10.98	275.2	151.5	0	0	241.336
Stage2	-1.85	244.4	91.87	UL-RL	0.165	10.98	275.2	155.5	0	0	247.37
Stage2	-2.25	250.8	93.905	UL-RL	0.165	10.98	275.2	159.5	0	0	253.406
Stage2	-2.65	257.2	95.943	UL-RL	0.165	10.98	275.2	163.5	0	0	259.443
Stage2	-3.05	263.6	97.982	UL-RL	0.165	10.98	275.2	167.5	0	0	265.482
Stage2	-3.45	270	100.022	UL-RL	0.165	10.98	275.2	171.5	0	0	271.522
Stage2	-3.85	276.4	102.064	UL-RL	0.165	10.98	275.2	175.5	0	0	277.564
Stage2	-4.25	282.8	104.108	UL-RL	0.165	10.98	275.2	179.5	0	0	283.608

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT	Lato		LEFT				
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage2	-4.65	289.2	106.154	UL-RL	0.165	10.98	275.2	183.5	0	0	289.654
Stage2	-5.05	295.6	108.201	UL-RL	0.165	10.98	275.2	187.5	0	0	295.701
Stage2	-5.45	302	110.25	UL-RL	0.165	10.98	275.2	191.5	0	0	301.75
Stage2	-5.85	308.4	112.301	UL-RL	0.165	10.98	275.2	195.5	0	0	307.801
Stage2	-6.25	314.8	114.353	UL-RL	0.165	10.98	275.2	199.5	0	0	313.853
Stage2	-6.45	318	115.38	UL-RL	0.165	10.98	275.2	201.5	0	0	316.88
Stage2	-6.85	324.4	117.434	UL-RL	0.165	10.98	275.2	205.5	0	0	322.934
Stage2	-7.25	330.8	119.491	UL-RL	0.165	10.98	275.2	209.5	0	0	328.991
Stage2	-7.65	337.2	121.548	UL-RL	0.165	10.98	275.2	213.5	0	0	335.048
Stage2	-8.05	343.6	123.608	UL-RL	0.165	10.98	275.2	217.5	0	0	341.108
Stage2	-8.45	350	125.669	UL-RL	0.165	10.98	275.2	221.5	0	0	347.169
Stage2	-8.85	356.4	127.732	UL-RL	0.165	10.98	275.2	225.5	0	0	353.232
Stage2	-9.25	362.8	129.796	UL-RL	0.165	10.98	275.2	229.5	0	0	359.296
Stage2	-9.65	369.2	131.862	UL-RL	0.165	10.98	275.2	233.5	0	0	365.362
Stage2	-10.05	375.6	133.929	UL-RL	0.165	10.98	275.2	237.5	0	0	371.429
Stage2	-10.45	382	135.997	UL-RL	0.165	10.98	275.2	241.5	0	0	377.497
Stage2	-10.85	388.4	138.068	UL-RL	0.165	10.98	275.2	245.5	0	0	383.568
Stage2	-11.25	394.8	140.139	UL-RL	0.165	10.98	275.2	249.5	0	0	389.639
Stage2	-11.65	401.2	142.212	UL-RL	0.165	10.98	275.2	253.5	0	0	395.712
Stage2	-12.05	407.6	144.287	UL-RL	0.165	10.98	275.2	257.5	0	0	401.787
Stage2	-12.45	414	146.363	UL-RL	0.165	10.98	275.2	261.5	0	0	407.863
Stage2	-12.85	420.4	148.44	UL-RL	0.165	10.98	275.2	265.5	0	0	413.94
Stage2	-13.25	426.8	150.519	UL-RL	0.165	10.98	275.2	269.5	0	0	420.019
Stage2	-13.65	433.2	152.599	UL-RL	0.165	10.98	275.2	273.5	0	0	426.099
Stage2	-14.05	439.6	154.68	UL-RL	0.165	10.98	275.2	277.5	0	0	432.18
Stage2	-14.45	446	156.763	UL-RL	0.165	10.98	275.2	281.5	0	0	438.263
Stage2	-14.85	452.4	158.847	UL-RL	0.165	10.98	275.2	285.5	0	0	444.346
Stage2	-15.25	458.8	160.932	UL-RL	0.165	10.98	275.2	289.5	0	0	450.432
Stage2	-15.65	465.2	163.018	UL-RL	0.165	10.98	275.2	293.5	0	0	456.518
Stage2	-16.05	471.6	165.106	UL-RL	0.165	10.98	275.2	297.5	0	0	462.606
Stage2	-16.45	478	167.195	UL-RL	0.165	10.98	275.2	301.5	0	0	468.695
Stage2	-16.85	484.4	169.285	UL-RL	0.165	10.98	275.2	305.5	0	0	474.785
Stage2	-17.25	490.8	171.376	UL-RL	0.165	10.98	275.2	309.5	0	0	480.876
Stage2	-17.65	497.2	173.469	UL-RL	0.165	10.98	275.2	313.5	0	0	486.968
Stage2	-18.05	503.6	175.562	UL-RL	0.165	10.98	275.2	317.5	0	0	493.062
Stage2	-18.45	510	177.657	UL-RL	0.165	10.98	275.2	321.5	0	0	499.157
Stage2	-18.85	516.4	179.752	UL-RL	0.165	10.98	275.2	325.5	0	0	505.252
Stage2	-19.25	522.8	181.849	UL-RL	0.165	10.98	275.2	329.5	0	0	511.349
Stage2	-19.65	529.2	183.947	UL-RL	0.165	10.98	275.2	333.5	0	0	517.447
Stage2	-20.05	535.6	186.046	UL-RL	0.165	10.98	275.2	337.5	0	0	523.546
Stage2	-20.45	542	188.146	UL-RL	0.165	10.98	275.2	341.5	0	0	529.646
Stage2	-20.85	548.4	190.247	UL-RL	0.165	10.98	275.2	345.5	0	0	535.747
Stage2	-21.25	554.8	192.349	UL-RL	0.165	10.98	275.2	349.5	0	0	541.849
Stage2	-21.65	561.2	194.452	UL-RL	0.165	10.98	275.2	353.5	0	0	547.951
Stage2	-22.05	567.6	196.555	UL-RL	0.165	10.98	275.2	357.5	0	0	554.055
Stage2	-22.3	571.6	197.871	UL-RL	0.165	10.98	275.2	360	0	0	557.871

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage2	15.7	0	0	UL-RL 0.433 2.529			11.2	0	0	0
Stage2	15.35	17.458	9.33	UL-RL 0.433 2.529			11.2	0	0	9.33
Stage2	14.95	29.048	16.576	UL-RL 0.433 2.529			11.2	0	0	16.576
Stage2	14.55	38.765	23.464	UL-RL 0.433 2.529			11.2	0	0	23.464
Stage2	14.15	47.577	29.992	UL-RL 0.433 2.529			11.2	0	0	29.992
Stage2	13.75	56.284	36.126	UL-RL 0.433 2.529			11.2	0	0	36.126
Stage2	13.35	61.627	39.58	UL-RL 0.433 2.529			11.2	3.5	0	43.08
Stage2	12.95	66.266	42.421	UL-RL 0.433 2.529			11.2	7.5	0	49.921
Stage2	12.55	70.768	45.064	UL-RL 0.433 2.529			11.2	11.5	0	56.564
Stage2	12.15	73.911	47.586	UL-RL 0.433 2.529			11.2	15.5	0	63.086
Stage2	11.75	77.507	50.052	UL-RL 0.433 2.529			11.2	19.5	0	69.552
Stage2	11.35	81.398	52.509	UL-RL 0.433 2.529			11.2	23.5	0	76.009
Stage2	10.95	85.308	54.991	UL-RL 0.433 2.529			11.2	27.5	0	82.491
Stage2	10.55	89.233	57.522	UL-RL 0.433 2.529			11.2	31.5	0	89.022
Stage2	10.15	93.169	60.115	UL-RL 0.433 2.529			11.2	35.5	0	95.615
Stage2	9.95	95.544	61.434	UL-RL 0.433 2.529			11.2	37.5	0	98.934
Stage2	9.55	99.469	64.112	UL-RL 0.433 2.529			11.2	41.5	0	105.612
Stage2	9.15	103.403	66.817	UL-RL 0.433 2.529			11.2	45.5	0	112.317
Stage2	8.75	107.646	34.248	UL-RL 0.165 10.98			275.2	49.5	0	83.748
Stage2	8.35	113.995	40.526	UL-RL 0.165 10.98			275.2	53.5	0	94.026
Stage2	7.95	120.349	43.339	UL-RL 0.165 10.98			275.2	57.5	0	100.839
Stage2	7.55	126.708	44.994	UL-RL 0.165 10.98			275.2	61.5	0	106.494
Stage2	7.15	133.072	46.626	UL-RL 0.165 10.98			275.2	65.5	0	112.126
Stage2	6.75	139.438	48.472	UL-RL 0.165 10.98			275.2	69.5	0	117.972
Stage2	6.35	145.808	50.453	UL-RL 0.165 10.98			275.2	73.5	0	123.953
Stage2	5.95	152.18	52.475	UL-RL 0.165 10.98			275.2	77.5	0	129.975
Stage2	5.55	159.019	54.496	UL-RL 0.165 10.98			275.2	81.5	0	135.996
Stage2	5.15	165.379	56.509	UL-RL 0.165 10.98			275.2	85.5	0	142.009
Stage2	4.75	171.742	58.518	UL-RL 0.165 10.98			275.2	89.5	0	148.018
Stage2	4.35	178.107	60.527	UL-RL 0.165 10.98			275.2	93.5	0	154.027
Stage2	3.95	184.475	62.538	UL-RL 0.165 10.98			275.2	97.5	0	160.038
Stage2	3.55	190.845	64.55	UL-RL 0.165 10.98			275.2	101.5	0	166.05
Stage2	3.15	197.217	66.564	UL-RL 0.165 10.98			275.2	105.5	0	172.064
Stage2	2.75	203.591	68.58	UL-RL 0.165 10.98			275.2	109.5	0	178.08
Stage2	2.35	209.966	70.597	UL-RL 0.165 10.98			275.2	113.5	0	184.097
Stage2	1.95	216.343	72.615	UL-RL 0.165 10.98			275.2	117.5	0	190.115
Stage2	1.55	222.721	74.635	UL-RL 0.165 10.98			275.2	121.5	0	196.135
Stage2	1.15	229.1	76.657	UL-RL 0.165 10.98			275.2	125.5	0	202.156
Stage2	0.75	235.798	78.68	UL-RL 0.165 10.98			275.2	129.5	0	208.18
Stage2	0.35	242.171	80.704	UL-RL 0.165 10.98			275.2	133.5	0	214.204
Stage2	-0.05	248.546	82.731	UL-RL 0.165 10.98			275.2	137.5	0	220.231
Stage2	-0.45	254.923	84.759	UL-RL 0.165 10.98			275.2	141.5	0	226.259
Stage2	-0.85	261.3	86.788	UL-RL 0.165 10.98			275.2	145.5	0	232.288
Stage2	-1.25	267.678	88.82	UL-RL 0.165 10.98			275.2	149.5	0	238.32
Stage2	-1.45	271.006	89.836	UL-RL 0.165 10.98			275.2	151.5	0	241.336
Stage2	-1.85	277.383	91.87	UL-RL 0.165 10.98			275.2	155.5	0	247.37
Stage2	-2.25	283.761	93.905	UL-RL 0.165 10.98			275.2	159.5	0	253.406
Stage2	-2.65	290.14	95.943	UL-RL 0.165 10.98			275.2	163.5	0	259.443
Stage2	-3.05	296.519	97.982	UL-RL 0.165 10.98			275.2	167.5	0	265.482
Stage2	-3.45	302.9	100.022	UL-RL 0.165 10.98			275.2	171.5	0	271.522
Stage2	-3.85	309.281	102.064	UL-RL 0.165 10.98			275.2	175.5	0	277.564
Stage2	-4.25	315.663	104.108	UL-RL 0.165 10.98			275.2	179.5	0	283.608
Stage2	-4.65	322.046	106.154	UL-RL 0.165 10.98			275.2	183.5	0	289.654
Stage2	-5.05	328.43	108.201	UL-RL 0.165 10.98			275.2	187.5	0	295.701
Stage2	-5.45	334.814	110.25	UL-RL 0.165 10.98			275.2	191.5	0	301.75

PROGETTO DEFINITIVO

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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT	Lato RIGHT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage2	-5.85	341.198	112.301	UL-RL 0.165	10.98	275.2	195.5	0	0	307.801	
Stage2	-6.25	347.8	114.353	UL-RL 0.165	10.98	275.2	199.5	0	0	313.853	
Stage2	-6.45	350.884	115.38	UL-RL 0.165	10.98	275.2	201.5	0	0	316.88	
Stage2	-6.85	357.268	117.434	UL-RL 0.165	10.98	275.2	205.5	0	0	322.934	
Stage2	-7.25	363.653	119.491	UL-RL 0.165	10.98	275.2	209.5	0	0	328.991	
Stage2	-7.65	370.038	121.548	UL-RL 0.165	10.98	275.2	213.5	0	0	335.048	
Stage2	-8.05	376.424	123.608	UL-RL 0.165	10.98	275.2	217.5	0	0	341.108	
Stage2	-8.45	383.007	125.669	UL-RL 0.165	10.98	275.2	221.5	0	0	347.169	
Stage2	-8.85	389.391	127.732	UL-RL 0.165	10.98	275.2	225.5	0	0	353.232	
Stage2	-9.25	395.775	129.796	UL-RL 0.165	10.98	275.2	229.5	0	0	359.296	
Stage2	-9.65	402.16	131.862	UL-RL 0.165	10.98	275.2	233.5	0	0	365.362	
Stage2	-10.05	408.545	133.929	UL-RL 0.165	10.98	275.2	237.5	0	0	371.429	
Stage2	-10.45	414.93	135.997	UL-RL 0.165	10.98	275.2	241.5	0	0	377.497	
Stage2	-10.85	421.316	138.068	UL-RL 0.165	10.98	275.2	245.5	0	0	383.568	
Stage2	-11.25	427.703	140.139	UL-RL 0.165	10.98	275.2	249.5	0	0	389.639	
Stage2	-11.65	434.09	142.212	UL-RL 0.165	10.98	275.2	253.5	0	0	395.712	
Stage2	-12.05	440.477	144.287	UL-RL 0.165	10.98	275.2	257.5	0	0	401.787	
Stage2	-12.45	446.864	146.363	UL-RL 0.165	10.98	275.2	261.5	0	0	407.863	
Stage2	-12.85	453.252	148.44	UL-RL 0.165	10.98	275.2	265.5	0	0	413.94	
Stage2	-13.25	459.805	150.519	UL-RL 0.165	10.98	275.2	269.5	0	0	420.019	
Stage2	-13.65	466.191	152.599	UL-RL 0.165	10.98	275.2	273.5	0	0	426.099	
Stage2	-14.05	472.578	154.68	UL-RL 0.165	10.98	275.2	277.5	0	0	432.18	
Stage2	-14.45	478.965	156.763	UL-RL 0.165	10.98	275.2	281.5	0	0	438.263	
Stage2	-14.85	485.352	158.847	UL-RL 0.165	10.98	275.2	285.5	0	0	444.346	
Stage2	-15.25	491.74	160.932	UL-RL 0.165	10.98	275.2	289.5	0	0	450.432	
Stage2	-15.65	498.128	163.018	UL-RL 0.165	10.98	275.2	293.5	0	0	456.518	
Stage2	-16.05	504.516	165.106	UL-RL 0.165	10.98	275.2	297.5	0	0	462.606	
Stage2	-16.45	510.905	167.195	UL-RL 0.165	10.98	275.2	301.5	0	0	468.695	
Stage2	-16.85	517.294	169.285	UL-RL 0.165	10.98	275.2	305.5	0	0	474.785	
Stage2	-17.25	523.683	171.376	UL-RL 0.165	10.98	275.2	309.5	0	0	480.876	
Stage2	-17.65	530.072	173.469	UL-RL 0.165	10.98	275.2	313.5	0	0	486.968	
Stage2	-18.05	536.603	175.562	UL-RL 0.165	10.98	275.2	317.5	0	0	493.062	
Stage2	-18.45	542.992	177.657	UL-RL 0.165	10.98	275.2	321.5	0	0	499.157	
Stage2	-18.85	549.38	179.752	UL-RL 0.165	10.98	275.2	325.5	0	0	505.252	
Stage2	-19.25	555.769	181.849	UL-RL 0.165	10.98	275.2	329.5	0	0	511.349	
Stage2	-19.65	562.158	183.947	UL-RL 0.165	10.98	275.2	333.5	0	0	517.447	
Stage2	-20.05	568.548	186.046	UL-RL 0.165	10.98	275.2	337.5	0	0	523.546	
Stage2	-20.45	574.937	188.146	UL-RL 0.165	10.98	275.2	341.5	0	0	529.646	
Stage2	-20.85	581.327	190.247	UL-RL 0.165	10.98	275.2	345.5	0	0	535.747	
Stage2	-21.25	587.717	192.349	UL-RL 0.165	10.98	275.2	349.5	0	0	541.849	
Stage2	-21.65	594.107	194.452	UL-RL 0.165	10.98	275.2	353.5	0	0	547.951	
Stage2	-22.05	600.498	196.555	UL-RL 0.165	10.98	275.2	357.5	0	0	554.055	
Stage2	-22.3	604.539	197.871	UL-RL 0.165	10.98	275.2	360	0	0	557.871	

PROGETTO DEFINITIVO

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IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage3

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	15.7	0	16.522	V-C	0.433	2.529	11.2	0	0	16.522
Stage3	15.35	17.458	4.154	UL-RL	0.433	2.529	11.2	0	0	4.154
Stage3	14.95	29.048	0	ACTIVE	0.433	2.529	11.2	0	0	0
Stage3	14.55	38.765	2.045	ACTIVE	0.433	2.529	11.2	0	0	2.045
Stage3	14.15	47.577	5.861	ACTIVE	0.433	2.529	11.2	0	0	5.861
Stage3	13.75	56.284	9.631	ACTIVE	0.433	2.529	11.2	0	0	9.631
Stage3	13.35	65.127	13.46	ACTIVE	0.433	2.529	11.2	0	0	13.46
Stage3	12.95	73.766	17.201	ACTIVE	0.433	2.529	11.2	0	0	17.201
Stage3	12.55	82.268	20.882	ACTIVE	0.433	2.529	11.2	0	0	20.882
Stage3	12.15	89.411	23.975	ACTIVE	0.433	2.529	11.2	0	0	23.975
Stage3	11.75	97.007	27.264	ACTIVE	0.433	2.529	11.2	0	0	27.264
Stage3	11.35	104.898	30.681	ACTIVE	0.433	2.529	11.2	0	0	30.681
Stage3	10.95	112.808	34.106	ACTIVE	0.433	2.529	11.2	0	0	34.106
Stage3	10.55	120.733	37.537	ACTIVE	0.433	2.529	11.2	0	0	37.537
Stage3	10.15	125.716	39.695	ACTIVE	0.433	2.529	11.2	2.953	0.016	42.648
Stage3	9.95	128.121	40.737	ACTIVE	0.433	2.529	11.2	4.922	0.016	45.659
Stage3	9.55	132.108	42.463	ACTIVE	0.433	2.529	11.2	8.86	0.016	51.324
Stage3	9.15	136.105	49.005	UL-RL	0.433	2.529	11.2	12.798	0.016	61.803
Stage3	8.75	140.409	0	ACTIVE	0.165	10.98	275.2	16.736	0.016	16.736
Stage3	8.35	146.82	0	ACTIVE	0.165	10.98	275.2	20.674	0.016	20.674
Stage3	7.95	153.237	56.859	UL-RL	0.165	10.98	275.2	24.612	0.016	81.471
Stage3	7.55	159.658	110.255	V-C	0.165	10.98	275.2	28.55	0.016	138.806
Stage3	7.15	166.083	84.12	V-C	0.165	10.98	275.2	32.488	0.016	116.608
Stage3	6.75	172.512	53.476	UL-RL	0.165	10.98	275.2	36.426	0.016	89.902
Stage3	6.35	178.943	38.367	UL-RL	0.165	10.98	275.2	40.364	0.016	78.731
Stage3	5.95	185.378	35.701	UL-RL	0.165	10.98	275.2	44.302	0.016	80.004
Stage3	5.55	192.279	38.462	UL-RL	0.165	10.98	275.2	48.24	0.016	86.702
Stage3	5.15	198.701	42.239	UL-RL	0.165	10.98	275.2	52.178	0.016	94.417
Stage3	4.75	205.126	45.468	UL-RL	0.165	10.98	275.2	56.116	0.016	101.584
Stage3	4.35	211.553	48.046	UL-RL	0.165	10.98	275.2	60.054	0.016	108.1
Stage3	3.95	217.983	50.273	UL-RL	0.165	10.98	275.2	63.992	0.016	114.265
Stage3	3.55	224.415	52.392	UL-RL	0.165	10.98	275.2	67.93	0.016	120.322
Stage3	3.15	230.849	54.513	UL-RL	0.165	10.98	275.2	71.868	0.016	126.382
Stage3	2.75	237.285	56.659	UL-RL	0.165	10.98	275.2	75.806	0.016	132.465
Stage3	2.35	243.722	58.819	UL-RL	0.165	10.98	275.2	79.744	0.016	138.563
Stage3	1.95	250.161	60.983	UL-RL	0.165	10.98	275.2	83.682	0.016	144.665
Stage3	1.55	256.601	63.144	UL-RL	0.165	10.98	275.2	87.62	0.016	150.764
Stage3	1.15	263.042	65.302	UL-RL	0.165	10.98	275.2	91.558	0.016	156.86
Stage3	0.75	269.802	67.457	UL-RL	0.165	10.98	275.2	95.496	0.016	162.953
Stage3	0.35	276.237	69.609	UL-RL	0.165	10.98	275.2	99.434	0.016	169.043
Stage3	-0.05	282.674	71.76	UL-RL	0.165	10.98	275.2	103.372	0.016	175.132
Stage3	-0.45	289.112	73.911	UL-RL	0.165	10.98	275.2	107.31	0.016	181.221
Stage3	-0.85	295.552	76.06	UL-RL	0.165	10.98	275.2	111.248	0.016	187.308
Stage3	-1.25	301.992	78.209	UL-RL	0.165	10.98	275.2	115.186	0.016	193.396
Stage3	-1.45	305.351	79.284	UL-RL	0.165	10.98	275.2	117.155	0.016	196.439
Stage3	-1.85	311.79	81.433	UL-RL	0.165	10.98	275.2	121.093	0.016	202.526
Stage3	-2.25	318.23	83.582	UL-RL	0.165	10.98	275.2	125.031	0.016	208.613
Stage3	-2.65	324.67	85.731	UL-RL	0.165	10.98	275.2	128.969	0.016	214.7
Stage3	-3.05	331.112	87.88	UL-RL	0.165	10.98	275.2	132.907	0.016	220.787
Stage3	-3.45	337.555	90.03	UL-RL	0.165	10.98	275.2	136.845	0.016	226.875
Stage3	-3.85	343.998	92.181	UL-RL	0.165	10.98	275.2	140.783	0.016	232.964
Stage3	-4.25	350.442	94.332	UL-RL	0.165	10.98	275.2	144.721	0.016	239.052

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Ka	Lato LEFT	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	-4.65	356.887	96.483	UL-RL	0.165	10.98	275.2	148.659	0.016	0	245.142	
Stage3	-5.05	363.333	98.636	UL-RL	0.165	10.98	275.2	152.597	0.016	0	251.232	
Stage3	-5.45	369.779	100.789	UL-RL	0.165	10.98	275.2	156.535	0.016	0	257.324	
Stage3	-5.85	376.226	102.943	UL-RL	0.165	10.98	275.2	160.473	0.016	0	263.416	
Stage3	-6.25	382.89	105.098	UL-RL	0.165	10.98	275.2	164.411	0.016	0	269.508	
Stage3	-6.45	386.004	106.175	UL-RL	0.165	10.98	275.2	166.38	0.016	0	272.555	
Stage3	-6.85	392.451	108.332	UL-RL	0.165	10.98	275.2	170.318	0.016	0	278.65	
Stage3	-7.25	398.897	110.489	UL-RL	0.165	10.98	275.2	174.256	0.016	0	284.745	
Stage3	-7.65	405.345	112.647	UL-RL	0.165	10.98	275.2	178.194	0.016	0	290.841	
Stage3	-8.05	411.792	114.807	UL-RL	0.165	10.98	275.2	182.132	0.016	0	296.938	
Stage3	-8.45	418.438	116.967	UL-RL	0.165	10.98	275.2	186.07	0.016	0	303.037	
Stage3	-8.85	424.883	119.129	UL-RL	0.165	10.98	275.2	190.008	0.016	0	309.136	
Stage3	-9.25	431.329	121.291	UL-RL	0.165	10.98	275.2	193.946	0.016	0	315.237	
Stage3	-9.65	437.776	123.455	UL-RL	0.165	10.98	275.2	197.884	0.016	0	321.338	
Stage3	-10.05	444.223	125.62	UL-RL	0.165	10.98	275.2	201.822	0.016	0	327.441	
Stage3	-10.45	450.671	127.785	UL-RL	0.165	10.98	275.2	205.76	0.016	0	333.545	
Stage3	-10.85	457.119	129.952	UL-RL	0.165	10.98	275.2	209.698	0.016	0	339.65	
Stage3	-11.25	463.567	132.12	UL-RL	0.165	10.98	275.2	213.636	0.016	0	345.756	
Stage3	-11.65	470.016	134.29	UL-RL	0.165	10.98	275.2	217.574	0.016	0	351.863	
Stage3	-12.05	476.465	136.46	UL-RL	0.165	10.98	275.2	221.512	0.016	0	357.972	
Stage3	-12.45	482.915	138.632	UL-RL	0.165	10.98	275.2	225.45	0.016	0	364.081	
Stage3	-12.85	489.364	140.804	UL-RL	0.165	10.98	275.2	229.388	0.016	0	370.192	
Stage3	-13.25	495.979	142.978	UL-RL	0.165	10.98	275.2	233.326	0.016	0	376.303	
Stage3	-13.65	502.428	145.152	UL-RL	0.165	10.98	275.2	237.264	0.016	0	382.416	
Stage3	-14.05	508.876	147.328	UL-RL	0.165	10.98	275.2	241.201	0.016	0	388.53	
Stage3	-14.45	515.325	149.505	UL-RL	0.165	10.98	275.2	245.139	0.016	0	394.644	
Stage3	-14.85	521.775	151.683	UL-RL	0.165	10.98	275.2	249.077	0.016	0	400.76	
Stage3	-15.25	528.224	153.862	UL-RL	0.165	10.98	275.2	253.015	0.016	0	406.877	
Stage3	-15.65	534.674	156.042	UL-RL	0.165	10.98	275.2	256.953	0.016	0	412.995	
Stage3	-16.05	541.125	158.223	UL-RL	0.165	10.98	275.2	260.891	0.016	0	419.114	
Stage3	-16.45	547.576	160.405	UL-RL	0.165	10.98	275.2	264.829	0.016	0	425.234	
Stage3	-16.85	554.026	162.588	UL-RL	0.165	10.98	275.2	268.767	0.016	0	431.356	
Stage3	-17.25	560.478	164.772	UL-RL	0.165	10.98	275.2	272.705	0.016	0	437.478	
Stage3	-17.65	566.929	166.957	UL-RL	0.165	10.98	275.2	276.643	0.016	0	443.601	
Stage3	-18.05	573.522	169.144	UL-RL	0.165	10.98	275.2	280.581	0.016	0	449.725	
Stage3	-18.45	579.972	171.33	UL-RL	0.165	10.98	275.2	284.519	0.016	0	455.85	
Stage3	-18.85	586.423	173.518	UL-RL	0.165	10.98	275.2	288.457	0.016	0	461.976	
Stage3	-19.25	592.874	175.707	UL-RL	0.165	10.98	275.2	292.395	0.016	0	468.103	
Stage3	-19.65	599.325	177.897	UL-RL	0.165	10.98	275.2	296.333	0.016	0	474.23	
Stage3	-20.05	605.776	180.088	UL-RL	0.165	10.98	275.2	300.271	0.016	0	480.359	
Stage3	-20.45	612.228	182.28	UL-RL	0.165	10.98	275.2	304.209	0.016	0	486.489	
Stage3	-20.85	618.68	184.472	UL-RL	0.165	10.98	275.2	308.147	0.016	0	492.619	
Stage3	-21.25	625.132	186.665	UL-RL	0.165	10.98	275.2	312.085	0.016	0	498.751	
Stage3	-21.65	631.584	188.86	UL-RL	0.165	10.98	275.2	316.023	0.016	0	504.883	
Stage3	-22.05	638.036	191.055	UL-RL	0.165	10.98	275.2	319.961	0.016	0	511.016	
Stage3	-22.3	642.116	192.427	UL-RL	0.165	10.98	275.2	322.422	0.016	0	514.85	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.15	2.953	43.092	PASSIVE	0.433	2.529	11.2	3.047	0.016	0	46.138
Stage3	8.75	7.191	402.399	V-C	0.165	10.98	275.2	7.109	0.016	0	409.507
Stage3	8.35	13.529	133.988	V-C	0.165	10.98	275.2	11.171	0.016	0	145.158
Stage3	7.95	19.867	24.449	UL-RL	0.165	10.98	275.2	15.233	0.016	0	39.682
Stage3	7.55	26.205	6.329	UL-RL	0.165	10.98	275.2	19.295	0.016	0	25.624
Stage3	7.15	32.543	20.184	UL-RL	0.165	10.98	275.2	23.357	0.016	0	43.54
Stage3	6.75	38.881	35.759	UL-RL	0.165	10.98	275.2	27.419	0.016	0	63.178
Stage3	6.35	45.219	44.99	UL-RL	0.165	10.98	275.2	31.481	0.016	0	76.471
Stage3	5.95	51.557	49.144	UL-RL	0.165	10.98	275.2	35.543	0.016	0	84.686
Stage3	5.55	57.895	51.067	UL-RL	0.165	10.98	275.2	39.605	0.016	0	90.672
Stage3	5.15	64.233	52.55	UL-RL	0.165	10.98	275.2	43.667	0.016	0	96.217
Stage3	4.75	70.571	54.232	UL-RL	0.165	10.98	275.2	47.729	0.016	0	101.961
Stage3	4.35	76.909	56.158	UL-RL	0.165	10.98	275.2	51.791	0.016	0	107.949
Stage3	3.95	83.247	58.212	UL-RL	0.165	10.98	275.2	55.853	0.016	0	114.064
Stage3	3.55	89.585	60.296	UL-RL	0.165	10.98	275.2	59.915	0.016	0	120.211
Stage3	3.15	95.923	62.371	UL-RL	0.165	10.98	275.2	63.977	0.016	0	126.347
Stage3	2.75	102.261	64.427	UL-RL	0.165	10.98	275.2	68.039	0.016	0	132.466
Stage3	2.35	108.599	66.471	UL-RL	0.165	10.98	275.2	72.101	0.016	0	138.572
Stage3	1.95	114.937	68.508	UL-RL	0.165	10.98	275.2	76.163	0.016	0	144.671
Stage3	1.55	121.275	70.542	UL-RL	0.165	10.98	275.2	80.225	0.016	0	150.767
Stage3	1.15	127.613	72.573	UL-RL	0.165	10.98	275.2	84.287	0.016	0	156.86
Stage3	0.75	133.951	74.603	UL-RL	0.165	10.98	275.2	88.349	0.016	0	162.952
Stage3	0.35	140.289	76.632	UL-RL	0.165	10.98	275.2	92.411	0.016	0	169.043
Stage3	-0.05	146.627	78.659	UL-RL	0.165	10.98	275.2	96.473	0.016	0	175.132
Stage3	-0.45	152.965	80.686	UL-RL	0.165	10.98	275.2	100.535	0.016	0	181.22
Stage3	-0.85	159.303	82.711	UL-RL	0.165	10.98	275.2	104.597	0.016	0	187.308
Stage3	-1.25	165.641	84.737	UL-RL	0.165	10.98	275.2	108.659	0.016	0	193.395
Stage3	-1.45	168.81	85.749	UL-RL	0.165	10.98	275.2	110.69	0.016	0	196.439
Stage3	-1.85	175.148	87.774	UL-RL	0.165	10.98	275.2	114.752	0.016	0	202.526
Stage3	-2.25	181.486	89.799	UL-RL	0.165	10.98	275.2	118.814	0.016	0	208.613
Stage3	-2.65	187.824	91.824	UL-RL	0.165	10.98	275.2	122.876	0.016	0	214.7
Stage3	-3.05	194.162	93.849	UL-RL	0.165	10.98	275.2	126.938	0.016	0	220.787
Stage3	-3.45	200.5	95.875	UL-RL	0.165	10.98	275.2	131	0.016	0	226.875
Stage3	-3.85	206.838	97.902	UL-RL	0.165	10.98	275.2	135.062	0.016	0	232.964
Stage3	-4.25	213.176	99.928	UL-RL	0.165	10.98	275.2	139.124	0.016	0	239.052
Stage3	-4.65	219.514	101.956	UL-RL	0.165	10.98	275.2	143.186	0.016	0	245.142
Stage3	-5.05	225.852	103.984	UL-RL	0.165	10.98	275.2	147.248	0.016	0	251.232
Stage3	-5.45	232.19	106.014	UL-RL	0.165	10.98	275.2	151.31	0.016	0	257.324

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	Ka	Kp	RIGHT	Coazione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	-5.85	238.528	108.044	UL-RL	UL-RL	0.165	10.98	275.2	155.372	0.016	0	263.416	
Stage3	-6.25	244.866	110.074	UL-RL	UL-RL	0.165	10.98	275.2	159.434	0.016	0	269.508	
Stage3	-6.45	248.035	111.09	UL-RL	UL-RL	0.165	10.98	275.2	161.465	0.016	0	272.555	
Stage3	-6.85	254.373	113.122	UL-RL	UL-RL	0.165	10.98	275.2	165.527	0.016	0	278.65	
Stage3	-7.25	260.711	115.156	UL-RL	UL-RL	0.165	10.98	275.2	169.589	0.016	0	284.745	
Stage3	-7.65	267.049	117.19	UL-RL	UL-RL	0.165	10.98	275.2	173.651	0.016	0	290.841	
Stage3	-8.05	273.387	119.225	UL-RL	UL-RL	0.165	10.98	275.2	177.713	0.016	0	296.938	
Stage3	-8.45	279.725	121.262	UL-RL	UL-RL	0.165	10.98	275.2	181.775	0.016	0	303.037	
Stage3	-8.85	286.063	123.299	UL-RL	UL-RL	0.165	10.98	275.2	185.837	0.016	0	309.136	
Stage3	-9.25	292.401	125.338	UL-RL	UL-RL	0.165	10.98	275.2	189.899	0.016	0	315.237	
Stage3	-9.65	298.739	127.377	UL-RL	UL-RL	0.165	10.98	275.2	193.961	0.016	0	321.338	
Stage3	-10.05	305.077	129.418	UL-RL	UL-RL	0.165	10.98	275.2	198.023	0.016	0	327.441	
Stage3	-10.45	311.415	131.46	UL-RL	UL-RL	0.165	10.98	275.2	202.085	0.016	0	333.545	
Stage3	-10.85	317.753	133.503	UL-RL	UL-RL	0.165	10.98	275.2	206.147	0.016	0	339.65	
Stage3	-11.25	324.091	135.547	UL-RL	UL-RL	0.165	10.98	275.2	210.209	0.016	0	345.756	
Stage3	-11.65	330.429	137.592	UL-RL	UL-RL	0.165	10.98	275.2	214.271	0.016	0	351.863	
Stage3	-12.05	336.767	139.638	UL-RL	UL-RL	0.165	10.98	275.2	218.333	0.016	0	357.972	
Stage3	-12.45	343.105	141.686	UL-RL	UL-RL	0.165	10.98	275.2	222.395	0.016	0	364.081	
Stage3	-12.85	349.443	143.734	UL-RL	UL-RL	0.165	10.98	275.2	226.457	0.016	0	370.192	
Stage3	-13.25	355.781	145.784	UL-RL	UL-RL	0.165	10.98	275.2	230.519	0.016	0	376.303	
Stage3	-13.65	362.118	147.834	UL-RL	UL-RL	0.165	10.98	275.2	234.581	0.016	0	382.416	
Stage3	-14.05	368.456	149.886	UL-RL	UL-RL	0.165	10.98	275.2	238.643	0.016	0	388.53	
Stage3	-14.45	374.794	151.939	UL-RL	UL-RL	0.165	10.98	275.2	242.705	0.016	0	394.644	
Stage3	-14.85	381.132	153.993	UL-RL	UL-RL	0.165	10.98	275.2	246.767	0.016	0	400.76	
Stage3	-15.25	387.47	156.048	UL-RL	UL-RL	0.165	10.98	275.2	250.829	0.016	0	406.877	
Stage3	-15.65	393.808	158.104	UL-RL	UL-RL	0.165	10.98	275.2	254.891	0.016	0	412.995	
Stage3	-16.05	400.146	160.161	UL-RL	UL-RL	0.165	10.98	275.2	258.953	0.016	0	419.114	
Stage3	-16.45	406.484	162.219	UL-RL	UL-RL	0.165	10.98	275.2	263.015	0.016	0	425.234	
Stage3	-16.85	412.822	164.278	UL-RL	UL-RL	0.165	10.98	275.2	267.077	0.016	0	431.356	
Stage3	-17.25	419.16	166.338	UL-RL	UL-RL	0.165	10.98	275.2	271.139	0.016	0	437.478	
Stage3	-17.65	425.498	168.399	UL-RL	UL-RL	0.165	10.98	275.2	275.201	0.016	0	443.601	
Stage3	-18.05	431.836	170.461	UL-RL	UL-RL	0.165	10.98	275.2	279.264	0.016	0	449.725	
Stage3	-18.45	438.174	172.524	UL-RL	UL-RL	0.165	10.98	275.2	283.326	0.016	0	455.85	
Stage3	-18.85	444.512	174.588	UL-RL	UL-RL	0.165	10.98	275.2	287.388	0.016	0	461.976	
Stage3	-19.25	450.85	176.653	UL-RL	UL-RL	0.165	10.98	275.2	291.45	0.016	0	468.103	
Stage3	-19.65	457.188	178.719	UL-RL	UL-RL	0.165	10.98	275.2	295.512	0.016	0	474.23	
Stage3	-20.05	463.526	180.786	UL-RL	UL-RL	0.165	10.98	275.2	299.574	0.016	0	480.359	
Stage3	-20.45	469.864	182.853	UL-RL	UL-RL	0.165	10.98	275.2	303.636	0.016	0	486.489	
Stage3	-20.85	476.202	184.922	UL-RL	UL-RL	0.165	10.98	275.2	307.698	0.016	0	492.619	
Stage3	-21.25	482.54	186.991	UL-RL	UL-RL	0.165	10.98	275.2	311.76	0.016	0	498.751	
Stage3	-21.65	488.878	189.061	UL-RL	UL-RL	0.165	10.98	275.2	315.822	0.016	0	504.883	
Stage3	-22.05	495.216	191.132	UL-RL	UL-RL	0.165	10.98	275.2	319.884	0.016	0	511.016	
Stage3	-22.3	499.178	192.427	UL-RL	UL-RL	0.165	10.98	275.2	322.422	0.016	0	514.849	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage3

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage3	9.15	2.953	43.092	PASSIVE	0.433	2.529	11.2	3.047	0.016	0	46.138
Stage3	8.75	7.191	402.399	V-C	0.165	10.98	275.2	7.109	0.016	0	409.507
Stage3	8.35	13.529	133.988	V-C	0.165	10.98	275.2	11.171	0.016	0	145.158
Stage3	7.95	19.867	24.449	UL-RL	0.165	10.98	275.2	15.233	0.016	0	39.682
Stage3	7.55	26.205	6.329	UL-RL	0.165	10.98	275.2	19.295	0.016	0	25.624
Stage3	7.15	32.543	20.184	UL-RL	0.165	10.98	275.2	23.357	0.016	0	43.54
Stage3	6.75	38.881	35.759	UL-RL	0.165	10.98	275.2	27.419	0.016	0	63.178
Stage3	6.35	45.219	44.99	UL-RL	0.165	10.98	275.2	31.481	0.016	0	76.471
Stage3	5.95	51.557	49.144	UL-RL	0.165	10.98	275.2	35.543	0.016	0	84.686
Stage3	5.55	57.895	51.067	UL-RL	0.165	10.98	275.2	39.605	0.016	0	90.672
Stage3	5.15	64.233	52.55	UL-RL	0.165	10.98	275.2	43.667	0.016	0	96.217
Stage3	4.75	70.571	54.232	UL-RL	0.165	10.98	275.2	47.729	0.016	0	101.961
Stage3	4.35	76.909	56.158	UL-RL	0.165	10.98	275.2	51.791	0.016	0	107.949
Stage3	3.95	83.247	58.212	UL-RL	0.165	10.98	275.2	55.853	0.016	0	114.064
Stage3	3.55	89.585	60.296	UL-RL	0.165	10.98	275.2	59.915	0.016	0	120.211
Stage3	3.15	95.923	62.371	UL-RL	0.165	10.98	275.2	63.977	0.016	0	126.347
Stage3	2.75	102.261	64.427	UL-RL	0.165	10.98	275.2	68.039	0.016	0	132.466
Stage3	2.35	108.599	66.471	UL-RL	0.165	10.98	275.2	72.101	0.016	0	138.572
Stage3	1.95	114.937	68.508	UL-RL	0.165	10.98	275.2	76.163	0.016	0	144.671
Stage3	1.55	121.275	70.542	UL-RL	0.165	10.98	275.2	80.225	0.016	0	150.767
Stage3	1.15	127.613	72.573	UL-RL	0.165	10.98	275.2	84.287	0.016	0	156.86
Stage3	0.75	133.951	74.603	UL-RL	0.165	10.98	275.2	88.349	0.016	0	162.952
Stage3	0.35	140.289	76.632	UL-RL	0.165	10.98	275.2	92.411	0.016	0	169.043
Stage3	-0.05	146.627	78.659	UL-RL	0.165	10.98	275.2	96.473	0.016	0	175.132
Stage3	-0.45	152.965	80.686	UL-RL	0.165	10.98	275.2	100.535	0.016	0	181.22
Stage3	-0.85	159.303	82.711	UL-RL	0.165	10.98	275.2	104.597	0.016	0	187.308
Stage3	-1.25	165.641	84.737	UL-RL	0.165	10.98	275.2	108.659	0.016	0	193.395
Stage3	-1.45	168.81	85.749	UL-RL	0.165	10.98	275.2	110.69	0.016	0	196.439
Stage3	-1.85	175.148	87.774	UL-RL	0.165	10.98	275.2	114.752	0.016	0	202.526
Stage3	-2.25	181.486	89.799	UL-RL	0.165	10.98	275.2	118.814	0.016	0	208.613
Stage3	-2.65	187.824	91.824	UL-RL	0.165	10.98	275.2	122.876	0.016	0	214.7
Stage3	-3.05	194.162	93.849	UL-RL	0.165	10.98	275.2	126.938	0.016	0	220.787
Stage3	-3.45	200.5	95.875	UL-RL	0.165	10.98	275.2	131	0.016	0	226.875
Stage3	-3.85	206.838	97.902	UL-RL	0.165	10.98	275.2	135.062	0.016	0	232.964
Stage3	-4.25	213.176	99.928	UL-RL	0.165	10.98	275.2	139.124	0.016	0	239.052

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage3	-4.65	219.514	101.956	UL-RL	0.165	10.98	275.2	143.186	0.016	0	245.142
Stage3	-5.05	225.852	103.984	UL-RL	0.165	10.98	275.2	147.248	0.016	0	251.232
Stage3	-5.45	232.19	106.014	UL-RL	0.165	10.98	275.2	151.31	0.016	0	257.324
Stage3	-5.85	238.528	108.044	UL-RL	0.165	10.98	275.2	155.372	0.016	0	263.416
Stage3	-6.25	244.866	110.074	UL-RL	0.165	10.98	275.2	159.434	0.016	0	269.508
Stage3	-6.45	248.035	111.09	UL-RL	0.165	10.98	275.2	161.465	0.016	0	272.555
Stage3	-6.85	254.373	113.122	UL-RL	0.165	10.98	275.2	165.527	0.016	0	278.65
Stage3	-7.25	260.711	115.156	UL-RL	0.165	10.98	275.2	169.589	0.016	0	284.745
Stage3	-7.65	267.049	117.19	UL-RL	0.165	10.98	275.2	173.651	0.016	0	290.841
Stage3	-8.05	273.387	119.225	UL-RL	0.165	10.98	275.2	177.713	0.016	0	296.938
Stage3	-8.45	279.725	121.262	UL-RL	0.165	10.98	275.2	181.775	0.016	0	303.037
Stage3	-8.85	286.063	123.299	UL-RL	0.165	10.98	275.2	185.837	0.016	0	309.136
Stage3	-9.25	292.401	125.338	UL-RL	0.165	10.98	275.2	189.899	0.016	0	315.237
Stage3	-9.65	298.739	127.377	UL-RL	0.165	10.98	275.2	193.961	0.016	0	321.338
Stage3	-10.05	305.077	129.418	UL-RL	0.165	10.98	275.2	198.023	0.016	0	327.441
Stage3	-10.45	311.415	131.46	UL-RL	0.165	10.98	275.2	202.085	0.016	0	333.545
Stage3	-10.85	317.753	133.503	UL-RL	0.165	10.98	275.2	206.147	0.016	0	339.65
Stage3	-11.25	324.091	135.547	UL-RL	0.165	10.98	275.2	210.209	0.016	0	345.756
Stage3	-11.65	330.429	137.592	UL-RL	0.165	10.98	275.2	214.271	0.016	0	351.863
Stage3	-12.05	336.767	139.638	UL-RL	0.165	10.98	275.2	218.333	0.016	0	357.972
Stage3	-12.45	343.105	141.686	UL-RL	0.165	10.98	275.2	222.395	0.016	0	364.081
Stage3	-12.85	349.443	143.734	UL-RL	0.165	10.98	275.2	226.457	0.016	0	370.192
Stage3	-13.25	355.781	145.784	UL-RL	0.165	10.98	275.2	230.519	0.016	0	376.303
Stage3	-13.65	362.118	147.834	UL-RL	0.165	10.98	275.2	234.581	0.016	0	382.416
Stage3	-14.05	368.456	149.886	UL-RL	0.165	10.98	275.2	238.643	0.016	0	388.53
Stage3	-14.45	374.794	151.939	UL-RL	0.165	10.98	275.2	242.705	0.016	0	394.644
Stage3	-14.85	381.132	153.993	UL-RL	0.165	10.98	275.2	246.767	0.016	0	400.76
Stage3	-15.25	387.47	156.048	UL-RL	0.165	10.98	275.2	250.829	0.016	0	406.877
Stage3	-15.65	393.808	158.104	UL-RL	0.165	10.98	275.2	254.891	0.016	0	412.995
Stage3	-16.05	400.146	160.161	UL-RL	0.165	10.98	275.2	258.953	0.016	0	419.114
Stage3	-16.45	406.484	162.219	UL-RL	0.165	10.98	275.2	263.015	0.016	0	425.234
Stage3	-16.85	412.822	164.278	UL-RL	0.165	10.98	275.2	267.077	0.016	0	431.356
Stage3	-17.25	419.16	166.338	UL-RL	0.165	10.98	275.2	271.139	0.016	0	437.478
Stage3	-17.65	425.498	168.399	UL-RL	0.165	10.98	275.2	275.201	0.016	0	443.601
Stage3	-18.05	431.836	170.461	UL-RL	0.165	10.98	275.2	279.264	0.016	0	449.725
Stage3	-18.45	438.174	172.524	UL-RL	0.165	10.98	275.2	283.326	0.016	0	455.85
Stage3	-18.85	444.512	174.588	UL-RL	0.165	10.98	275.2	287.388	0.016	0	461.976
Stage3	-19.25	450.85	176.653	UL-RL	0.165	10.98	275.2	291.45	0.016	0	468.103
Stage3	-19.65	457.188	178.719	UL-RL	0.165	10.98	275.2	295.512	0.016	0	474.23
Stage3	-20.05	463.526	180.786	UL-RL	0.165	10.98	275.2	299.574	0.016	0	480.359
Stage3	-20.45	469.864	182.853	UL-RL	0.165	10.98	275.2	303.636	0.016	0	486.489
Stage3	-20.85	476.202	184.922	UL-RL	0.165	10.98	275.2	307.698	0.016	0	492.619
Stage3	-21.25	482.54	186.991	UL-RL	0.165	10.98	275.2	311.76	0.016	0	498.751
Stage3	-21.65	488.878	189.061	UL-RL	0.165	10.98	275.2	315.822	0.016	0	504.883
Stage3	-22.05	495.216	191.132	UL-RL	0.165	10.98	275.2	319.884	0.016	0	511.016
Stage3	-22.3	499.178	192.427	UL-RL	0.165	10.98	275.2	322.422	0.016	0	514.849

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage3	15.7	0	16.522	V-C	0.433	2.529	11.2	0	0	16.522
Stage3	15.35	17.458	4.154	UL-RL	0.433	2.529	11.2	0	0	4.154
Stage3	14.95	29.048	0	ACTIVE	0.433	2.529	11.2	0	0	0
Stage3	14.55	38.765	2.045	ACTIVE	0.433	2.529	11.2	0	0	2.045
Stage3	14.15	47.577	5.861	ACTIVE	0.433	2.529	11.2	0	0	5.861
Stage3	13.75	56.284	9.631	ACTIVE	0.433	2.529	11.2	0	0	9.631
Stage3	13.35	65.127	13.46	ACTIVE	0.433	2.529	11.2	0	0	13.46
Stage3	12.95	73.766	17.201	ACTIVE	0.433	2.529	11.2	0	0	17.201
Stage3	12.55	82.268	20.882	ACTIVE	0.433	2.529	11.2	0	0	20.882
Stage3	12.15	89.411	23.975	ACTIVE	0.433	2.529	11.2	0	0	23.975
Stage3	11.75	97.007	27.264	ACTIVE	0.433	2.529	11.2	0	0	27.264
Stage3	11.35	104.898	30.681	ACTIVE	0.433	2.529	11.2	0	0	30.681
Stage3	10.95	112.808	34.106	ACTIVE	0.433	2.529	11.2	0	0	34.106
Stage3	10.55	120.733	37.537	ACTIVE	0.433	2.529	11.2	0	0	37.537
Stage3	10.15	125.716	39.695	ACTIVE	0.433	2.529	11.2	2.953	0.016	42.648
Stage3	9.95	128.121	40.737	ACTIVE	0.433	2.529	11.2	4.922	0.016	45.659
Stage3	9.55	132.108	42.463	ACTIVE	0.433	2.529	11.2	8.86	0.016	51.324
Stage3	9.15	136.105	49.005	UL-RL	0.433	2.529	11.2	12.798	0.016	61.803
Stage3	8.75	140.409	0	ACTIVE	0.165	10.98	275.2	16.736	0.016	16.736
Stage3	8.35	146.82	0	ACTIVE	0.165	10.98	275.2	20.674	0.016	20.674
Stage3	7.95	153.237	56.859	UL-RL	0.165	10.98	275.2	24.612	0.016	81.471
Stage3	7.55	159.658	110.255	V-C	0.165	10.98	275.2	28.55	0.016	138.806
Stage3	7.15	166.083	84.12	V-C	0.165	10.98	275.2	32.488	0.016	116.608
Stage3	6.75	172.512	53.476	UL-RL	0.165	10.98	275.2	36.426	0.016	89.902
Stage3	6.35	178.943	38.367	UL-RL	0.165	10.98	275.2	40.364	0.016	78.731
Stage3	5.95	185.378	35.701	UL-RL	0.165	10.98	275.2	44.302	0.016	80.004
Stage3	5.55	192.279	38.462	UL-RL	0.165	10.98	275.2	48.24	0.016	86.702
Stage3	5.15	198.701	42.239	UL-RL	0.165	10.98	275.2	52.178	0.016	94.417
Stage3	4.75	205.126	45.468	UL-RL	0.165	10.98	275.2	56.116	0.016	101.584
Stage3	4.35	211.553	48.046	UL-RL	0.165	10.98	275.2	60.054	0.016	108.1
Stage3	3.95	217.983	50.273	UL-RL	0.165	10.98	275.2	63.992	0.016	114.265
Stage3	3.55	224.415	52.392	UL-RL	0.165	10.98	275.2	67.93	0.016	120.322
Stage3	3.15	230.849	54.513	UL-RL	0.165	10.98	275.2	71.868	0.016	126.382
Stage3	2.75	237.285	56.659	UL-RL	0.165	10.98	275.2	75.806	0.016	132.465
Stage3	2.35	243.722	58.819	UL-RL	0.165	10.98	275.2	79.744	0.016	138.563
Stage3	1.95	250.161	60.983	UL-RL	0.165	10.98	275.2	83.682	0.016	144.665
Stage3	1.55	256.601	63.144	UL-RL	0.165	10.98	275.2	87.62	0.016	150.764
Stage3	1.15	263.042	65.302	UL-RL	0.165	10.98	275.2	91.558	0.016	156.86
Stage3	0.75	269.802	67.457	UL-RL	0.165	10.98	275.2	95.496	0.016	162.953
Stage3	0.35	276.237	69.609	UL-RL	0.165	10.98	275.2	99.434	0.016	169.043
Stage3	-0.05	282.674	71.76	UL-RL	0.165	10.98	275.2	103.372	0.016	175.132
Stage3	-0.45	289.112	73.911	UL-RL	0.165	10.98	275.2	107.31	0.016	181.221
Stage3	-0.85	295.552	76.06	UL-RL	0.165	10.98	275.2	111.248	0.016	187.308
Stage3	-1.25	301.992	78.209	UL-RL	0.165	10.98	275.2	115.186	0.016	193.396
Stage3	-1.45	305.351	79.284	UL-RL	0.165	10.98	275.2	117.155	0.016	196.439
Stage3	-1.85	311.79	81.433	UL-RL	0.165	10.98	275.2	121.093	0.016	202.526
Stage3	-2.25	318.23	83.582	UL-RL	0.165	10.98	275.2	125.031	0.016	208.613
Stage3	-2.65	324.67	85.731	UL-RL	0.165	10.98	275.2	128.969	0.016	214.7
Stage3	-3.05	331.112	87.88	UL-RL	0.165	10.98	275.2	132.907	0.016	220.787
Stage3	-3.45	337.555	90.03	UL-RL	0.165	10.98	275.2	136.845	0.016	226.875
Stage3	-3.85	343.998	92.181	UL-RL	0.165	10.98	275.2	140.783	0.016	232.964
Stage3	-4.25	350.442	94.332	UL-RL	0.165	10.98	275.2	144.721	0.016	239.052
Stage3	-4.65	356.887	96.483	UL-RL	0.165	10.98	275.2	148.659	0.016	245.142
Stage3	-5.05	363.333	98.636	UL-RL	0.165	10.98	275.2	152.597	0.016	251.232
Stage3	-5.45	369.779	100.789	UL-RL	0.165	10.98	275.2	156.535	0.016	257.324

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Muro:		RIGHT		Lato		RIGHT		Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)					
Stage3	-5.85	376.226	102.943	UL-RL	0.165	10.98	275.2	160.473	0.016	0	263.416	
Stage3	-6.25	382.89	105.098	UL-RL	0.165	10.98	275.2	164.411	0.016	0	269.508	
Stage3	-6.45	386.004	106.175	UL-RL	0.165	10.98	275.2	166.38	0.016	0	272.555	
Stage3	-6.85	392.451	108.332	UL-RL	0.165	10.98	275.2	170.318	0.016	0	278.65	
Stage3	-7.25	398.897	110.489	UL-RL	0.165	10.98	275.2	174.256	0.016	0	284.745	
Stage3	-7.65	405.345	112.647	UL-RL	0.165	10.98	275.2	178.194	0.016	0	290.841	
Stage3	-8.05	411.792	114.807	UL-RL	0.165	10.98	275.2	182.132	0.016	0	296.938	
Stage3	-8.45	418.438	116.967	UL-RL	0.165	10.98	275.2	186.07	0.016	0	303.037	
Stage3	-8.85	424.883	119.129	UL-RL	0.165	10.98	275.2	190.008	0.016	0	309.136	
Stage3	-9.25	431.329	121.291	UL-RL	0.165	10.98	275.2	193.946	0.016	0	315.237	
Stage3	-9.65	437.776	123.455	UL-RL	0.165	10.98	275.2	197.884	0.016	0	321.338	
Stage3	-10.05	444.223	125.62	UL-RL	0.165	10.98	275.2	201.822	0.016	0	327.441	
Stage3	-10.45	450.671	127.785	UL-RL	0.165	10.98	275.2	205.76	0.016	0	333.545	
Stage3	-10.85	457.119	129.952	UL-RL	0.165	10.98	275.2	209.698	0.016	0	339.65	
Stage3	-11.25	463.567	132.12	UL-RL	0.165	10.98	275.2	213.636	0.016	0	345.756	
Stage3	-11.65	470.016	134.29	UL-RL	0.165	10.98	275.2	217.574	0.016	0	351.863	
Stage3	-12.05	476.465	136.46	UL-RL	0.165	10.98	275.2	221.512	0.016	0	357.972	
Stage3	-12.45	482.915	138.632	UL-RL	0.165	10.98	275.2	225.45	0.016	0	364.081	
Stage3	-12.85	489.364	140.804	UL-RL	0.165	10.98	275.2	229.388	0.016	0	370.192	
Stage3	-13.25	495.979	142.978	UL-RL	0.165	10.98	275.2	233.326	0.016	0	376.303	
Stage3	-13.65	502.428	145.152	UL-RL	0.165	10.98	275.2	237.264	0.016	0	382.416	
Stage3	-14.05	508.876	147.328	UL-RL	0.165	10.98	275.2	241.201	0.016	0	388.53	
Stage3	-14.45	515.325	149.505	UL-RL	0.165	10.98	275.2	245.139	0.016	0	394.644	
Stage3	-14.85	521.775	151.683	UL-RL	0.165	10.98	275.2	249.077	0.016	0	400.76	
Stage3	-15.25	528.224	153.862	UL-RL	0.165	10.98	275.2	253.015	0.016	0	406.877	
Stage3	-15.65	534.674	156.042	UL-RL	0.165	10.98	275.2	256.953	0.016	0	412.995	
Stage3	-16.05	541.125	158.223	UL-RL	0.165	10.98	275.2	260.891	0.016	0	419.114	
Stage3	-16.45	547.576	160.405	UL-RL	0.165	10.98	275.2	264.829	0.016	0	425.234	
Stage3	-16.85	554.026	162.588	UL-RL	0.165	10.98	275.2	268.767	0.016	0	431.356	
Stage3	-17.25	560.478	164.772	UL-RL	0.165	10.98	275.2	272.705	0.016	0	437.478	
Stage3	-17.65	566.929	166.957	UL-RL	0.165	10.98	275.2	276.643	0.016	0	443.601	
Stage3	-18.05	573.522	169.144	UL-RL	0.165	10.98	275.2	280.581	0.016	0	449.725	
Stage3	-18.45	579.972	171.33	UL-RL	0.165	10.98	275.2	284.519	0.016	0	455.85	
Stage3	-18.85	586.423	173.518	UL-RL	0.165	10.98	275.2	288.457	0.016	0	461.976	
Stage3	-19.25	592.874	175.707	UL-RL	0.165	10.98	275.2	292.395	0.016	0	468.103	
Stage3	-19.65	599.325	177.897	UL-RL	0.165	10.98	275.2	296.333	0.016	0	474.23	
Stage3	-20.05	605.776	180.088	UL-RL	0.165	10.98	275.2	300.271	0.016	0	480.359	
Stage3	-20.45	612.228	182.28	UL-RL	0.165	10.98	275.2	304.209	0.016	0	486.489	
Stage3	-20.85	618.68	184.472	UL-RL	0.165	10.98	275.2	308.147	0.016	0	492.619	
Stage3	-21.25	625.132	186.665	UL-RL	0.165	10.98	275.2	312.085	0.016	0	498.751	
Stage3	-21.65	631.584	188.86	UL-RL	0.165	10.98	275.2	316.023	0.016	0	504.883	
Stage3	-22.05	638.036	191.055	UL-RL	0.165	10.98	275.2	319.961	0.016	0	511.016	
Stage3	-22.3	642.116	192.427	UL-RL	0.165	10.98	275.2	322.422	0.016	0	514.85	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage4

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage4	15.7	0	16.522	UL-RL	0.433	2.529	11.2	0	0	16.522
Stage4	15.35	17.458	4.154	UL-RL	0.433	2.529	11.2	0	0	4.154
Stage4	14.95	29.048	0	UL-RL	0.433	2.529	11.2	0	0	0
Stage4	14.55	38.765	2.045	UL-RL	0.433	2.529	11.2	0	0	2.045
Stage4	14.15	47.577	5.861	UL-RL	0.433	2.529	11.2	0	0	5.861
Stage4	13.75	56.284	9.631	UL-RL	0.433	2.529	11.2	0	0	9.631
Stage4	13.35	65.127	13.46	UL-RL	0.433	2.529	11.2	0	0	13.46
Stage4	12.95	73.766	17.201	UL-RL	0.433	2.529	11.2	0	0	17.201
Stage4	12.55	82.268	20.882	UL-RL	0.433	2.529	11.2	0	0	20.882
Stage4	12.15	89.411	23.975	UL-RL	0.433	2.529	11.2	0	0	23.975
Stage4	11.75	97.007	27.264	UL-RL	0.433	2.529	11.2	0	0	27.264
Stage4	11.35	104.898	30.681	UL-RL	0.433	2.529	11.2	0	0	30.681
Stage4	10.95	112.808	34.106	UL-RL	0.433	2.529	11.2	0	0	34.106
Stage4	10.55	120.733	37.537	UL-RL	0.433	2.529	11.2	0	0	37.537
Stage4	10.15	125.716	39.695	UL-RL	0.433	2.529	11.2	2.953	0.016	42.648
Stage4	9.95	128.121	40.737	UL-RL	0.433	2.529	11.2	4.922	0.016	45.659
Stage4	9.55	132.108	42.463	UL-RL	0.433	2.529	11.2	8.86	0.016	51.324
Stage4	9.15	136.105	49.005	UL-RL	0.433	2.529	11.2	12.798	0.016	61.803
Stage4	8.75	140.409	0	ACTIVE	0.165	10.98	275.2	16.736	0.016	16.736
Stage4	8.35	146.82	0	ACTIVE	0.165	10.98	275.2	20.674	0.016	20.674
Stage4	7.95	153.237	56.859	UL-RL	0.165	10.98	275.2	24.612	0.016	81.471
Stage4	7.55	159.658	110.255	UL-RL	0.165	10.98	275.2	28.55	0.016	138.806
Stage4	7.15	166.083	84.12	UL-RL	0.165	10.98	275.2	32.488	0.016	116.608
Stage4	6.75	172.512	53.476	UL-RL	0.165	10.98	275.2	36.426	0.016	89.902
Stage4	6.35	178.943	38.367	UL-RL	0.165	10.98	275.2	40.364	0.016	78.731
Stage4	5.95	185.378	35.701	UL-RL	0.165	10.98	275.2	44.302	0.016	80.004
Stage4	5.55	192.279	38.462	UL-RL	0.165	10.98	275.2	48.24	0.016	86.702
Stage4	5.15	198.701	42.239	UL-RL	0.165	10.98	275.2	52.178	0.016	94.417
Stage4	4.75	205.126	45.468	UL-RL	0.165	10.98	275.2	56.116	0.016	101.584
Stage4	4.35	211.553	48.046	UL-RL	0.165	10.98	275.2	60.054	0.016	108.1
Stage4	3.95	217.983	50.273	UL-RL	0.165	10.98	275.2	63.992	0.016	114.265
Stage4	3.55	224.415	52.392	UL-RL	0.165	10.98	275.2	67.93	0.016	120.322
Stage4	3.15	230.849	54.513	UL-RL	0.165	10.98	275.2	71.868	0.016	126.382
Stage4	2.75	237.285	56.659	UL-RL	0.165	10.98	275.2	75.806	0.016	132.465
Stage4	2.35	243.722	58.819	UL-RL	0.165	10.98	275.2	79.744	0.016	138.563
Stage4	1.95	250.161	60.983	UL-RL	0.165	10.98	275.2	83.682	0.016	144.665
Stage4	1.55	256.601	63.144	UL-RL	0.165	10.98	275.2	87.62	0.016	150.764
Stage4	1.15	263.042	65.302	UL-RL	0.165	10.98	275.2	91.558	0.016	156.86
Stage4	0.75	269.802	67.457	UL-RL	0.165	10.98	275.2	95.496	0.016	162.953
Stage4	0.35	276.237	69.609	UL-RL	0.165	10.98	275.2	99.434	0.016	169.043
Stage4	-0.05	282.674	71.76	UL-RL	0.165	10.98	275.2	103.372	0.016	175.132
Stage4	-0.45	289.112	73.911	UL-RL	0.165	10.98	275.2	107.31	0.016	181.221
Stage4	-0.85	295.552	76.06	UL-RL	0.165	10.98	275.2	111.248	0.016	187.308
Stage4	-1.25	301.992	78.209	UL-RL	0.165	10.98	275.2	115.186	0.016	193.396
Stage4	-1.45	305.351	79.284	UL-RL	0.165	10.98	275.2	117.155	0.016	196.439
Stage4	-1.85	311.79	81.433	UL-RL	0.165	10.98	275.2	121.093	0.016	202.526
Stage4	-2.25	318.23	83.582	UL-RL	0.165	10.98	275.2	125.031	0.016	208.613
Stage4	-2.65	324.67	85.731	UL-RL	0.165	10.98	275.2	128.969	0.016	214.7
Stage4	-3.05	331.112	87.88	UL-RL	0.165	10.98	275.2	132.907	0.016	220.787
Stage4	-3.45	337.555	90.03	UL-RL	0.165	10.98	275.2	136.845	0.016	226.875
Stage4	-3.85	343.998	92.181	UL-RL	0.165	10.98	275.2	140.783	0.016	232.964
Stage4	-4.25	350.442	94.332	UL-RL	0.165	10.98	275.2	144.721	0.016	239.052

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	LEFT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage4	-4.65	356.887	96.483	UL-RL	0.165	10.98	275.2	148.659	0.016	0	245.142		
Stage4	-5.05	363.333	98.636	UL-RL	0.165	10.98	275.2	152.597	0.016	0	251.232		
Stage4	-5.45	369.779	100.789	UL-RL	0.165	10.98	275.2	156.535	0.016	0	257.324		
Stage4	-5.85	376.226	102.943	UL-RL	0.165	10.98	275.2	160.473	0.016	0	263.416		
Stage4	-6.25	382.89	105.098	UL-RL	0.165	10.98	275.2	164.411	0.016	0	269.508		
Stage4	-6.45	386.004	106.175	UL-RL	0.165	10.98	275.2	166.38	0.016	0	272.555		
Stage4	-6.85	392.451	108.332	UL-RL	0.165	10.98	275.2	170.318	0.016	0	278.65		
Stage4	-7.25	398.897	110.489	UL-RL	0.165	10.98	275.2	174.256	0.016	0	284.745		
Stage4	-7.65	405.345	112.647	UL-RL	0.165	10.98	275.2	178.194	0.016	0	290.841		
Stage4	-8.05	411.792	114.807	UL-RL	0.165	10.98	275.2	182.132	0.016	0	296.938		
Stage4	-8.45	418.438	116.967	UL-RL	0.165	10.98	275.2	186.07	0.016	0	303.037		
Stage4	-8.85	424.883	119.129	UL-RL	0.165	10.98	275.2	190.008	0.016	0	309.136		
Stage4	-9.25	431.329	121.291	UL-RL	0.165	10.98	275.2	193.946	0.016	0	315.237		
Stage4	-9.65	437.776	123.455	UL-RL	0.165	10.98	275.2	197.884	0.016	0	321.338		
Stage4	-10.05	444.223	125.62	UL-RL	0.165	10.98	275.2	201.822	0.016	0	327.441		
Stage4	-10.45	450.671	127.785	UL-RL	0.165	10.98	275.2	205.76	0.016	0	333.545		
Stage4	-10.85	457.119	129.952	UL-RL	0.165	10.98	275.2	209.698	0.016	0	339.65		
Stage4	-11.25	463.567	132.12	UL-RL	0.165	10.98	275.2	213.636	0.016	0	345.756		
Stage4	-11.65	470.016	134.29	UL-RL	0.165	10.98	275.2	217.574	0.016	0	351.863		
Stage4	-12.05	476.465	136.46	UL-RL	0.165	10.98	275.2	221.512	0.016	0	357.972		
Stage4	-12.45	482.915	138.632	UL-RL	0.165	10.98	275.2	225.45	0.016	0	364.081		
Stage4	-12.85	489.364	140.804	UL-RL	0.165	10.98	275.2	229.388	0.016	0	370.192		
Stage4	-13.25	495.979	142.978	UL-RL	0.165	10.98	275.2	233.326	0.016	0	376.303		
Stage4	-13.65	502.428	145.152	UL-RL	0.165	10.98	275.2	237.264	0.016	0	382.416		
Stage4	-14.05	508.876	147.328	UL-RL	0.165	10.98	275.2	241.201	0.016	0	388.53		
Stage4	-14.45	515.325	149.505	UL-RL	0.165	10.98	275.2	245.139	0.016	0	394.644		
Stage4	-14.85	521.775	151.683	UL-RL	0.165	10.98	275.2	249.077	0.016	0	400.76		
Stage4	-15.25	528.224	153.862	UL-RL	0.165	10.98	275.2	253.015	0.016	0	406.877		
Stage4	-15.65	534.674	156.042	UL-RL	0.165	10.98	275.2	256.953	0.016	0	412.995		
Stage4	-16.05	541.125	158.223	UL-RL	0.165	10.98	275.2	260.891	0.016	0	419.114		
Stage4	-16.45	547.576	160.405	UL-RL	0.165	10.98	275.2	264.829	0.016	0	425.234		
Stage4	-16.85	554.026	162.588	UL-RL	0.165	10.98	275.2	268.767	0.016	0	431.356		
Stage4	-17.25	560.478	164.772	UL-RL	0.165	10.98	275.2	272.705	0.016	0	437.478		
Stage4	-17.65	566.929	166.957	UL-RL	0.165	10.98	275.2	276.643	0.016	0	443.601		
Stage4	-18.05	573.522	169.144	UL-RL	0.165	10.98	275.2	280.581	0.016	0	449.725		
Stage4	-18.45	579.972	171.33	UL-RL	0.165	10.98	275.2	284.519	0.016	0	455.85		
Stage4	-18.85	586.423	173.518	UL-RL	0.165	10.98	275.2	288.457	0.016	0	461.976		
Stage4	-19.25	592.874	175.707	UL-RL	0.165	10.98	275.2	292.395	0.016	0	468.103		
Stage4	-19.65	599.325	177.897	UL-RL	0.165	10.98	275.2	296.333	0.016	0	474.23		
Stage4	-20.05	605.776	180.088	UL-RL	0.165	10.98	275.2	300.271	0.016	0	480.359		
Stage4	-20.45	612.228	182.28	UL-RL	0.165	10.98	275.2	304.209	0.016	0	486.489		
Stage4	-20.85	618.68	184.472	UL-RL	0.165	10.98	275.2	308.147	0.016	0	492.619		
Stage4	-21.25	625.132	186.665	UL-RL	0.165	10.98	275.2	312.085	0.016	0	498.751		
Stage4	-21.65	631.584	188.86	UL-RL	0.165	10.98	275.2	316.023	0.016	0	504.883		
Stage4	-22.05	638.036	191.055	UL-RL	0.165	10.98	275.2	319.961	0.016	0	511.016		
Stage4	-22.3	642.116	192.427	UL-RL	0.165	10.98	275.2	322.422	0.016	0	514.85		

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.15	2.953	43.092	UL-RL	0.433	2.529	11.2	3.047	0.016	0	46.138
Stage4	8.75	7.191	402.399	V-C	0.165	10.98	275.2	7.109	0.016	0	409.507
Stage4	8.35	13.529	133.988	V-C	0.165	10.98	275.2	11.171	0.016	0	145.158
Stage4	7.95	19.867	24.449	UL-RL	0.165	10.98	275.2	15.233	0.016	0	39.682
Stage4	7.55	26.205	6.329	UL-RL	0.165	10.98	275.2	19.295	0.016	0	25.624
Stage4	7.15	32.543	20.184	UL-RL	0.165	10.98	275.2	23.357	0.016	0	43.54
Stage4	6.75	38.881	35.759	UL-RL	0.165	10.98	275.2	27.419	0.016	0	63.178
Stage4	6.35	45.219	44.99	UL-RL	0.165	10.98	275.2	31.481	0.016	0	76.471
Stage4	5.95	51.557	49.144	UL-RL	0.165	10.98	275.2	35.543	0.016	0	84.686
Stage4	5.55	57.895	51.067	UL-RL	0.165	10.98	275.2	39.605	0.016	0	90.672
Stage4	5.15	64.233	52.55	UL-RL	0.165	10.98	275.2	43.667	0.016	0	96.217
Stage4	4.75	70.571	54.232	UL-RL	0.165	10.98	275.2	47.729	0.016	0	101.961
Stage4	4.35	76.909	56.158	UL-RL	0.165	10.98	275.2	51.791	0.016	0	107.949
Stage4	3.95	83.247	58.212	UL-RL	0.165	10.98	275.2	55.853	0.016	0	114.064
Stage4	3.55	89.585	60.296	UL-RL	0.165	10.98	275.2	59.915	0.016	0	120.211
Stage4	3.15	95.923	62.371	UL-RL	0.165	10.98	275.2	63.977	0.016	0	126.347
Stage4	2.75	102.261	64.427	UL-RL	0.165	10.98	275.2	68.039	0.016	0	132.466
Stage4	2.35	108.599	66.471	UL-RL	0.165	10.98	275.2	72.101	0.016	0	138.572
Stage4	1.95	114.937	68.508	UL-RL	0.165	10.98	275.2	76.163	0.016	0	144.671
Stage4	1.55	121.275	70.542	UL-RL	0.165	10.98	275.2	80.225	0.016	0	150.767
Stage4	1.15	127.613	72.573	UL-RL	0.165	10.98	275.2	84.287	0.016	0	156.86
Stage4	0.75	133.951	74.603	UL-RL	0.165	10.98	275.2	88.349	0.016	0	162.952
Stage4	0.35	140.289	76.632	UL-RL	0.165	10.98	275.2	92.411	0.016	0	169.043
Stage4	-0.05	146.627	78.659	UL-RL	0.165	10.98	275.2	96.473	0.016	0	175.132
Stage4	-0.45	152.965	80.686	UL-RL	0.165	10.98	275.2	100.535	0.016	0	181.22
Stage4	-0.85	159.303	82.711	UL-RL	0.165	10.98	275.2	104.597	0.016	0	187.308
Stage4	-1.25	165.641	84.737	UL-RL	0.165	10.98	275.2	108.659	0.016	0	193.395
Stage4	-1.45	168.81	85.749	UL-RL	0.165	10.98	275.2	110.69	0.016	0	196.439
Stage4	-1.85	175.148	87.774	UL-RL	0.165	10.98	275.2	114.752	0.016	0	202.526
Stage4	-2.25	181.486	89.799	UL-RL	0.165	10.98	275.2	118.814	0.016	0	208.613
Stage4	-2.65	187.824	91.824	UL-RL	0.165	10.98	275.2	122.876	0.016	0	214.7
Stage4	-3.05	194.162	93.849	UL-RL	0.165	10.98	275.2	126.938	0.016	0	220.787
Stage4	-3.45	200.5	95.875	UL-RL	0.165	10.98	275.2	131	0.016	0	226.875
Stage4	-3.85	206.838	97.902	UL-RL	0.165	10.98	275.2	135.062	0.016	0	232.964
Stage4	-4.25	213.176	99.928	UL-RL	0.165	10.98	275.2	139.124	0.016	0	239.052
Stage4	-4.65	219.514	101.956	UL-RL	0.165	10.98	275.2	143.186	0.016	0	245.142
Stage4	-5.05	225.852	103.984	UL-RL	0.165	10.98	275.2	147.248	0.016	0	251.232
Stage4	-5.45	232.19	106.014	UL-RL	0.165	10.98	275.2	151.31	0.016	0	257.324

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	Ka	Kp	RIGHT	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage4	-5.85	238.528	108.044	UL-RL	UL-RL	0.165	10.98	275.2	155.372	0.016	0	263.416	
Stage4	-6.25	244.866	110.074	UL-RL	UL-RL	0.165	10.98	275.2	159.434	0.016	0	269.508	
Stage4	-6.45	248.035	111.09	UL-RL	UL-RL	0.165	10.98	275.2	161.465	0.016	0	272.555	
Stage4	-6.85	254.373	113.122	UL-RL	UL-RL	0.165	10.98	275.2	165.527	0.016	0	278.65	
Stage4	-7.25	260.711	115.156	UL-RL	UL-RL	0.165	10.98	275.2	169.589	0.016	0	284.745	
Stage4	-7.65	267.049	117.19	UL-RL	UL-RL	0.165	10.98	275.2	173.651	0.016	0	290.841	
Stage4	-8.05	273.387	119.225	UL-RL	UL-RL	0.165	10.98	275.2	177.713	0.016	0	296.938	
Stage4	-8.45	279.725	121.262	UL-RL	UL-RL	0.165	10.98	275.2	181.775	0.016	0	303.037	
Stage4	-8.85	286.063	123.299	UL-RL	UL-RL	0.165	10.98	275.2	185.837	0.016	0	309.136	
Stage4	-9.25	292.401	125.338	UL-RL	UL-RL	0.165	10.98	275.2	189.899	0.016	0	315.237	
Stage4	-9.65	298.739	127.377	UL-RL	UL-RL	0.165	10.98	275.2	193.961	0.016	0	321.338	
Stage4	-10.05	305.077	129.418	UL-RL	UL-RL	0.165	10.98	275.2	198.023	0.016	0	327.441	
Stage4	-10.45	311.415	131.46	UL-RL	UL-RL	0.165	10.98	275.2	202.085	0.016	0	333.545	
Stage4	-10.85	317.753	133.503	UL-RL	UL-RL	0.165	10.98	275.2	206.147	0.016	0	339.65	
Stage4	-11.25	324.091	135.547	UL-RL	UL-RL	0.165	10.98	275.2	210.209	0.016	0	345.756	
Stage4	-11.65	330.429	137.592	UL-RL	UL-RL	0.165	10.98	275.2	214.271	0.016	0	351.863	
Stage4	-12.05	336.767	139.638	UL-RL	UL-RL	0.165	10.98	275.2	218.333	0.016	0	357.972	
Stage4	-12.45	343.105	141.686	UL-RL	UL-RL	0.165	10.98	275.2	222.395	0.016	0	364.081	
Stage4	-12.85	349.443	143.734	UL-RL	UL-RL	0.165	10.98	275.2	226.457	0.016	0	370.192	
Stage4	-13.25	355.781	145.784	UL-RL	UL-RL	0.165	10.98	275.2	230.519	0.016	0	376.303	
Stage4	-13.65	362.118	147.834	UL-RL	UL-RL	0.165	10.98	275.2	234.581	0.016	0	382.416	
Stage4	-14.05	368.456	149.886	UL-RL	UL-RL	0.165	10.98	275.2	238.643	0.016	0	388.53	
Stage4	-14.45	374.794	151.939	UL-RL	UL-RL	0.165	10.98	275.2	242.705	0.016	0	394.644	
Stage4	-14.85	381.132	153.993	UL-RL	UL-RL	0.165	10.98	275.2	246.767	0.016	0	400.76	
Stage4	-15.25	387.47	156.048	UL-RL	UL-RL	0.165	10.98	275.2	250.829	0.016	0	406.877	
Stage4	-15.65	393.808	158.104	UL-RL	UL-RL	0.165	10.98	275.2	254.891	0.016	0	412.995	
Stage4	-16.05	400.146	160.161	UL-RL	UL-RL	0.165	10.98	275.2	258.953	0.016	0	419.114	
Stage4	-16.45	406.484	162.219	UL-RL	UL-RL	0.165	10.98	275.2	263.015	0.016	0	425.234	
Stage4	-16.85	412.822	164.278	UL-RL	UL-RL	0.165	10.98	275.2	267.077	0.016	0	431.356	
Stage4	-17.25	419.16	166.338	UL-RL	UL-RL	0.165	10.98	275.2	271.139	0.016	0	437.478	
Stage4	-17.65	425.498	168.399	UL-RL	UL-RL	0.165	10.98	275.2	275.201	0.016	0	443.601	
Stage4	-18.05	431.836	170.461	UL-RL	UL-RL	0.165	10.98	275.2	279.264	0.016	0	449.725	
Stage4	-18.45	438.174	172.524	UL-RL	UL-RL	0.165	10.98	275.2	283.326	0.016	0	455.85	
Stage4	-18.85	444.512	174.588	UL-RL	UL-RL	0.165	10.98	275.2	287.388	0.016	0	461.976	
Stage4	-19.25	450.85	176.653	UL-RL	UL-RL	0.165	10.98	275.2	291.45	0.016	0	468.103	
Stage4	-19.65	457.188	178.719	UL-RL	UL-RL	0.165	10.98	275.2	295.512	0.016	0	474.23	
Stage4	-20.05	463.526	180.786	UL-RL	UL-RL	0.165	10.98	275.2	299.574	0.016	0	480.359	
Stage4	-20.45	469.864	182.853	UL-RL	UL-RL	0.165	10.98	275.2	303.636	0.016	0	486.489	
Stage4	-20.85	476.202	184.922	UL-RL	UL-RL	0.165	10.98	275.2	307.698	0.016	0	492.619	
Stage4	-21.25	482.54	186.991	UL-RL	UL-RL	0.165	10.98	275.2	311.76	0.016	0	498.751	
Stage4	-21.65	488.878	189.061	UL-RL	UL-RL	0.165	10.98	275.2	315.822	0.016	0	504.883	
Stage4	-22.05	495.216	191.132	UL-RL	UL-RL	0.165	10.98	275.2	319.884	0.016	0	511.016	
Stage4	-22.3	499.178	192.427	UL-RL	UL-RL	0.165	10.98	275.2	322.422	0.016	0	514.849	

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IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage4

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage4	9.15	2.953	43.092	UL-RL	0.433	2.529	11.2	3.047	0.016	0	46.138
Stage4	8.75	7.191	402.399	UL-RL	0.165	10.98	275.2	7.109	0.016	0	409.507
Stage4	8.35	13.529	133.988	V-C	0.165	10.98	275.2	11.171	0.016	0	145.158
Stage4	7.95	19.867	24.449	UL-RL	0.165	10.98	275.2	15.233	0.016	0	39.682
Stage4	7.55	26.205	6.329	UL-RL	0.165	10.98	275.2	19.295	0.016	0	25.624
Stage4	7.15	32.543	20.184	UL-RL	0.165	10.98	275.2	23.357	0.016	0	43.54
Stage4	6.75	38.881	35.759	UL-RL	0.165	10.98	275.2	27.419	0.016	0	63.178
Stage4	6.35	45.219	44.99	UL-RL	0.165	10.98	275.2	31.481	0.016	0	76.471
Stage4	5.95	51.557	49.144	UL-RL	0.165	10.98	275.2	35.543	0.016	0	84.686
Stage4	5.55	57.895	51.067	UL-RL	0.165	10.98	275.2	39.605	0.016	0	90.672
Stage4	5.15	64.233	52.55	UL-RL	0.165	10.98	275.2	43.667	0.016	0	96.217
Stage4	4.75	70.571	54.232	UL-RL	0.165	10.98	275.2	47.729	0.016	0	101.961
Stage4	4.35	76.909	56.158	UL-RL	0.165	10.98	275.2	51.791	0.016	0	107.949
Stage4	3.95	83.247	58.212	UL-RL	0.165	10.98	275.2	55.853	0.016	0	114.064
Stage4	3.55	89.585	60.296	UL-RL	0.165	10.98	275.2	59.915	0.016	0	120.211
Stage4	3.15	95.923	62.371	UL-RL	0.165	10.98	275.2	63.977	0.016	0	126.347
Stage4	2.75	102.261	64.427	UL-RL	0.165	10.98	275.2	68.039	0.016	0	132.466
Stage4	2.35	108.599	66.471	UL-RL	0.165	10.98	275.2	72.101	0.016	0	138.572
Stage4	1.95	114.937	68.508	UL-RL	0.165	10.98	275.2	76.163	0.016	0	144.671
Stage4	1.55	121.275	70.542	UL-RL	0.165	10.98	275.2	80.225	0.016	0	150.767
Stage4	1.15	127.613	72.573	UL-RL	0.165	10.98	275.2	84.287	0.016	0	156.86
Stage4	0.75	133.951	74.603	UL-RL	0.165	10.98	275.2	88.349	0.016	0	162.952
Stage4	0.35	140.289	76.632	UL-RL	0.165	10.98	275.2	92.411	0.016	0	169.043
Stage4	-0.05	146.627	78.659	UL-RL	0.165	10.98	275.2	96.473	0.016	0	175.132
Stage4	-0.45	152.965	80.686	UL-RL	0.165	10.98	275.2	100.535	0.016	0	181.22
Stage4	-0.85	159.303	82.711	UL-RL	0.165	10.98	275.2	104.597	0.016	0	187.308
Stage4	-1.25	165.641	84.737	UL-RL	0.165	10.98	275.2	108.659	0.016	0	193.395
Stage4	-1.45	168.81	85.749	UL-RL	0.165	10.98	275.2	110.69	0.016	0	196.439
Stage4	-1.85	175.148	87.774	UL-RL	0.165	10.98	275.2	114.752	0.016	0	202.526
Stage4	-2.25	181.486	89.799	UL-RL	0.165	10.98	275.2	118.814	0.016	0	208.613
Stage4	-2.65	187.824	91.824	UL-RL	0.165	10.98	275.2	122.876	0.016	0	214.7
Stage4	-3.05	194.162	93.849	UL-RL	0.165	10.98	275.2	126.938	0.016	0	220.787
Stage4	-3.45	200.5	95.875	UL-RL	0.165	10.98	275.2	131	0.016	0	226.875
Stage4	-3.85	206.838	97.902	UL-RL	0.165	10.98	275.2	135.062	0.016	0	232.964
Stage4	-4.25	213.176	99.928	UL-RL	0.165	10.98	275.2	139.124	0.016	0	239.052

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IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	-4.65	219.514	101.956	UL-RL	0.165	10.98	275.2	143.186	0.016	0	245.142
Stage4	-5.05	225.852	103.984	UL-RL	0.165	10.98	275.2	147.248	0.016	0	251.232
Stage4	-5.45	232.19	106.014	UL-RL	0.165	10.98	275.2	151.31	0.016	0	257.324
Stage4	-5.85	238.528	108.044	UL-RL	0.165	10.98	275.2	155.372	0.016	0	263.416
Stage4	-6.25	244.866	110.074	UL-RL	0.165	10.98	275.2	159.434	0.016	0	269.508
Stage4	-6.45	248.035	111.09	UL-RL	0.165	10.98	275.2	161.465	0.016	0	272.555
Stage4	-6.85	254.373	113.122	UL-RL	0.165	10.98	275.2	165.527	0.016	0	278.65
Stage4	-7.25	260.711	115.156	UL-RL	0.165	10.98	275.2	169.589	0.016	0	284.745
Stage4	-7.65	267.049	117.19	UL-RL	0.165	10.98	275.2	173.651	0.016	0	290.841
Stage4	-8.05	273.387	119.225	UL-RL	0.165	10.98	275.2	177.713	0.016	0	296.938
Stage4	-8.45	279.725	121.262	UL-RL	0.165	10.98	275.2	181.775	0.016	0	303.037
Stage4	-8.85	286.063	123.299	UL-RL	0.165	10.98	275.2	185.837	0.016	0	309.136
Stage4	-9.25	292.401	125.338	UL-RL	0.165	10.98	275.2	189.899	0.016	0	315.237
Stage4	-9.65	298.739	127.377	UL-RL	0.165	10.98	275.2	193.961	0.016	0	321.338
Stage4	-10.05	305.077	129.418	UL-RL	0.165	10.98	275.2	198.023	0.016	0	327.441
Stage4	-10.45	311.415	131.46	UL-RL	0.165	10.98	275.2	202.085	0.016	0	333.545
Stage4	-10.85	317.753	133.503	UL-RL	0.165	10.98	275.2	206.147	0.016	0	339.65
Stage4	-11.25	324.091	135.547	UL-RL	0.165	10.98	275.2	210.209	0.016	0	345.756
Stage4	-11.65	330.429	137.592	UL-RL	0.165	10.98	275.2	214.271	0.016	0	351.863
Stage4	-12.05	336.767	139.638	UL-RL	0.165	10.98	275.2	218.333	0.016	0	357.972
Stage4	-12.45	343.105	141.686	UL-RL	0.165	10.98	275.2	222.395	0.016	0	364.081
Stage4	-12.85	349.443	143.734	UL-RL	0.165	10.98	275.2	226.457	0.016	0	370.192
Stage4	-13.25	355.781	145.784	UL-RL	0.165	10.98	275.2	230.519	0.016	0	376.303
Stage4	-13.65	362.118	147.834	UL-RL	0.165	10.98	275.2	234.581	0.016	0	382.416
Stage4	-14.05	368.456	149.886	UL-RL	0.165	10.98	275.2	238.643	0.016	0	388.53
Stage4	-14.45	374.794	151.939	UL-RL	0.165	10.98	275.2	242.705	0.016	0	394.644
Stage4	-14.85	381.132	153.993	UL-RL	0.165	10.98	275.2	246.767	0.016	0	400.76
Stage4	-15.25	387.47	156.048	UL-RL	0.165	10.98	275.2	250.829	0.016	0	406.877
Stage4	-15.65	393.808	158.104	UL-RL	0.165	10.98	275.2	254.891	0.016	0	412.995
Stage4	-16.05	400.146	160.161	UL-RL	0.165	10.98	275.2	258.953	0.016	0	419.114
Stage4	-16.45	406.484	162.219	UL-RL	0.165	10.98	275.2	263.015	0.016	0	425.234
Stage4	-16.85	412.822	164.278	UL-RL	0.165	10.98	275.2	267.077	0.016	0	431.356
Stage4	-17.25	419.16	166.338	UL-RL	0.165	10.98	275.2	271.139	0.016	0	437.478
Stage4	-17.65	425.498	168.399	UL-RL	0.165	10.98	275.2	275.201	0.016	0	443.601
Stage4	-18.05	431.836	170.461	UL-RL	0.165	10.98	275.2	279.264	0.016	0	449.725
Stage4	-18.45	438.174	172.524	UL-RL	0.165	10.98	275.2	283.326	0.016	0	455.85
Stage4	-18.85	444.512	174.588	UL-RL	0.165	10.98	275.2	287.388	0.016	0	461.976
Stage4	-19.25	450.85	176.653	UL-RL	0.165	10.98	275.2	291.45	0.016	0	468.103
Stage4	-19.65	457.188	178.719	UL-RL	0.165	10.98	275.2	295.512	0.016	0	474.23
Stage4	-20.05	463.526	180.786	UL-RL	0.165	10.98	275.2	299.574	0.016	0	480.359
Stage4	-20.45	469.864	182.853	UL-RL	0.165	10.98	275.2	303.636	0.016	0	486.489
Stage4	-20.85	476.202	184.922	UL-RL	0.165	10.98	275.2	307.698	0.016	0	492.619
Stage4	-21.25	482.54	186.991	UL-RL	0.165	10.98	275.2	311.76	0.016	0	498.751
Stage4	-21.65	488.878	189.061	UL-RL	0.165	10.98	275.2	315.822	0.016	0	504.883
Stage4	-22.05	495.216	191.132	UL-RL	0.165	10.98	275.2	319.884	0.016	0	511.016
Stage4	-22.3	499.178	192.427	UL-RL	0.165	10.98	275.2	322.422	0.016	0	514.849

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IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage4	15.7	0	16.522	UL-RL	0.433	2.529	11.2	0	0	0	16.522
Stage4	15.35	17.458	4.154	UL-RL	0.433	2.529	11.2	0	0	0	4.154
Stage4	14.95	29.048	0	UL-RL	0.433	2.529	11.2	0	0	0	0
Stage4	14.55	38.765	2.045	UL-RL	0.433	2.529	11.2	0	0	0	2.045
Stage4	14.15	47.577	5.861	UL-RL	0.433	2.529	11.2	0	0	0	5.861
Stage4	13.75	56.284	9.631	UL-RL	0.433	2.529	11.2	0	0	0	9.631
Stage4	13.35	65.127	13.46	UL-RL	0.433	2.529	11.2	0	0	0	13.46
Stage4	12.95	73.766	17.201	UL-RL	0.433	2.529	11.2	0	0	0	17.201
Stage4	12.55	82.268	20.882	UL-RL	0.433	2.529	11.2	0	0	0	20.882
Stage4	12.15	89.411	23.975	UL-RL	0.433	2.529	11.2	0	0	0	23.975
Stage4	11.75	97.007	27.264	UL-RL	0.433	2.529	11.2	0	0	0	27.264
Stage4	11.35	104.898	30.681	UL-RL	0.433	2.529	11.2	0	0	0	30.681
Stage4	10.95	112.808	34.106	UL-RL	0.433	2.529	11.2	0	0	0	34.106
Stage4	10.55	120.733	37.537	UL-RL	0.433	2.529	11.2	0	0	0	37.537
Stage4	10.15	125.716	39.695	UL-RL	0.433	2.529	11.2	2.953	0.016	0	42.648
Stage4	9.95	128.121	40.737	UL-RL	0.433	2.529	11.2	4.922	0.016	0	45.659
Stage4	9.55	132.108	42.463	UL-RL	0.433	2.529	11.2	8.86	0.016	0	51.324
Stage4	9.15	136.105	49.005	UL-RL	0.433	2.529	11.2	12.798	0.016	0	61.803
Stage4	8.75	140.409	0	UL-RL	0.165	10.98	275.2	16.736	0.016	0	16.736
Stage4	8.35	146.82	0	ACTIVE	0.165	10.98	275.2	20.674	0.016	0	20.674
Stage4	7.95	153.237	56.859	UL-RL	0.165	10.98	275.2	24.612	0.016	0	81.471
Stage4	7.55	159.658	110.255	UL-RL	0.165	10.98	275.2	28.55	0.016	0	138.806
Stage4	7.15	166.083	84.12	UL-RL	0.165	10.98	275.2	32.488	0.016	0	116.608
Stage4	6.75	172.512	53.476	UL-RL	0.165	10.98	275.2	36.426	0.016	0	89.902
Stage4	6.35	178.943	38.367	UL-RL	0.165	10.98	275.2	40.364	0.016	0	78.731
Stage4	5.95	185.378	35.701	UL-RL	0.165	10.98	275.2	44.302	0.016	0	80.004
Stage4	5.55	192.279	38.462	UL-RL	0.165	10.98	275.2	48.24	0.016	0	86.702
Stage4	5.15	198.701	42.239	UL-RL	0.165	10.98	275.2	52.178	0.016	0	94.417
Stage4	4.75	205.126	45.468	UL-RL	0.165	10.98	275.2	56.116	0.016	0	101.584
Stage4	4.35	211.553	48.046	UL-RL	0.165	10.98	275.2	60.054	0.016	0	108.1
Stage4	3.95	217.983	50.273	UL-RL	0.165	10.98	275.2	63.992	0.016	0	114.265
Stage4	3.55	224.415	52.392	UL-RL	0.165	10.98	275.2	67.93	0.016	0	120.322
Stage4	3.15	230.849	54.513	UL-RL	0.165	10.98	275.2	71.868	0.016	0	126.382
Stage4	2.75	237.285	56.659	UL-RL	0.165	10.98	275.2	75.806	0.016	0	132.465
Stage4	2.35	243.722	58.819	UL-RL	0.165	10.98	275.2	79.744	0.016	0	138.563
Stage4	1.95	250.161	60.983	UL-RL	0.165	10.98	275.2	83.682	0.016	0	144.665
Stage4	1.55	256.601	63.144	UL-RL	0.165	10.98	275.2	87.62	0.016	0	150.764
Stage4	1.15	263.042	65.302	UL-RL	0.165	10.98	275.2	91.558	0.016	0	156.86
Stage4	0.75	269.802	67.457	UL-RL	0.165	10.98	275.2	95.496	0.016	0	162.953
Stage4	0.35	276.237	69.609	UL-RL	0.165	10.98	275.2	99.434	0.016	0	169.043
Stage4	-0.05	282.674	71.76	UL-RL	0.165	10.98	275.2	103.372	0.016	0	175.132
Stage4	-0.45	289.112	73.911	UL-RL	0.165	10.98	275.2	107.31	0.016	0	181.221
Stage4	-0.85	295.552	76.06	UL-RL	0.165	10.98	275.2	111.248	0.016	0	187.308
Stage4	-1.25	301.992	78.209	UL-RL	0.165	10.98	275.2	115.186	0.016	0	193.396
Stage4	-1.45	305.351	79.284	UL-RL	0.165	10.98	275.2	117.155	0.016	0	196.439
Stage4	-1.85	311.79	81.433	UL-RL	0.165	10.98	275.2	121.093	0.016	0	202.526
Stage4	-2.25	318.23	83.582	UL-RL	0.165	10.98	275.2	125.031	0.016	0	208.613
Stage4	-2.65	324.67	85.731	UL-RL	0.165	10.98	275.2	128.969	0.016	0	214.7
Stage4	-3.05	331.112	87.88	UL-RL	0.165	10.98	275.2	132.907	0.016	0	220.787
Stage4	-3.45	337.555	90.03	UL-RL	0.165	10.98	275.2	136.845	0.016	0	226.875
Stage4	-3.85	343.998	92.181	UL-RL	0.165	10.98	275.2	140.783	0.016	0	232.964
Stage4	-4.25	350.442	94.332	UL-RL	0.165	10.98	275.2	144.721	0.016	0	239.052
Stage4	-4.65	356.887	96.483	UL-RL	0.165	10.98	275.2	148.659	0.016	0	245.142
Stage4	-5.05	363.333	98.636	UL-RL	0.165	10.98	275.2	152.597	0.016	0	251.232
Stage4	-5.45	369.779	100.789	UL-RL	0.165	10.98	275.2	156.535	0.016	0	257.324

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Muro:		RIGHT		Lato		RIGHT		Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)					
Stage4	-5.85	376.226	102.943	UL-RL	0.165	10.98	275.2	160.473	0.016	0	263.416	
Stage4	-6.25	382.89	105.098	UL-RL	0.165	10.98	275.2	164.411	0.016	0	269.508	
Stage4	-6.45	386.004	106.175	UL-RL	0.165	10.98	275.2	166.38	0.016	0	272.555	
Stage4	-6.85	392.451	108.332	UL-RL	0.165	10.98	275.2	170.318	0.016	0	278.65	
Stage4	-7.25	398.897	110.489	UL-RL	0.165	10.98	275.2	174.256	0.016	0	284.745	
Stage4	-7.65	405.345	112.647	UL-RL	0.165	10.98	275.2	178.194	0.016	0	290.841	
Stage4	-8.05	411.792	114.807	UL-RL	0.165	10.98	275.2	182.132	0.016	0	296.938	
Stage4	-8.45	418.438	116.967	UL-RL	0.165	10.98	275.2	186.07	0.016	0	303.037	
Stage4	-8.85	424.883	119.129	UL-RL	0.165	10.98	275.2	190.008	0.016	0	309.136	
Stage4	-9.25	431.329	121.291	UL-RL	0.165	10.98	275.2	193.946	0.016	0	315.237	
Stage4	-9.65	437.776	123.455	UL-RL	0.165	10.98	275.2	197.884	0.016	0	321.338	
Stage4	-10.05	444.223	125.62	UL-RL	0.165	10.98	275.2	201.822	0.016	0	327.441	
Stage4	-10.45	450.671	127.785	UL-RL	0.165	10.98	275.2	205.76	0.016	0	333.545	
Stage4	-10.85	457.119	129.952	UL-RL	0.165	10.98	275.2	209.698	0.016	0	339.65	
Stage4	-11.25	463.567	132.12	UL-RL	0.165	10.98	275.2	213.636	0.016	0	345.756	
Stage4	-11.65	470.016	134.29	UL-RL	0.165	10.98	275.2	217.574	0.016	0	351.863	
Stage4	-12.05	476.465	136.46	UL-RL	0.165	10.98	275.2	221.512	0.016	0	357.972	
Stage4	-12.45	482.915	138.632	UL-RL	0.165	10.98	275.2	225.45	0.016	0	364.081	
Stage4	-12.85	489.364	140.804	UL-RL	0.165	10.98	275.2	229.388	0.016	0	370.192	
Stage4	-13.25	495.979	142.978	UL-RL	0.165	10.98	275.2	233.326	0.016	0	376.303	
Stage4	-13.65	502.428	145.152	UL-RL	0.165	10.98	275.2	237.264	0.016	0	382.416	
Stage4	-14.05	508.876	147.328	UL-RL	0.165	10.98	275.2	241.201	0.016	0	388.53	
Stage4	-14.45	515.325	149.505	UL-RL	0.165	10.98	275.2	245.139	0.016	0	394.644	
Stage4	-14.85	521.775	151.683	UL-RL	0.165	10.98	275.2	249.077	0.016	0	400.76	
Stage4	-15.25	528.224	153.862	UL-RL	0.165	10.98	275.2	253.015	0.016	0	406.877	
Stage4	-15.65	534.674	156.042	UL-RL	0.165	10.98	275.2	256.953	0.016	0	412.995	
Stage4	-16.05	541.125	158.223	UL-RL	0.165	10.98	275.2	260.891	0.016	0	419.114	
Stage4	-16.45	547.576	160.405	UL-RL	0.165	10.98	275.2	264.829	0.016	0	425.234	
Stage4	-16.85	554.026	162.588	UL-RL	0.165	10.98	275.2	268.767	0.016	0	431.356	
Stage4	-17.25	560.478	164.772	UL-RL	0.165	10.98	275.2	272.705	0.016	0	437.478	
Stage4	-17.65	566.929	166.957	UL-RL	0.165	10.98	275.2	276.643	0.016	0	443.601	
Stage4	-18.05	573.522	169.144	UL-RL	0.165	10.98	275.2	280.581	0.016	0	449.725	
Stage4	-18.45	579.972	171.33	UL-RL	0.165	10.98	275.2	284.519	0.016	0	455.85	
Stage4	-18.85	586.423	173.518	UL-RL	0.165	10.98	275.2	288.457	0.016	0	461.976	
Stage4	-19.25	592.874	175.707	UL-RL	0.165	10.98	275.2	292.395	0.016	0	468.103	
Stage4	-19.65	599.325	177.897	UL-RL	0.165	10.98	275.2	296.333	0.016	0	474.23	
Stage4	-20.05	605.776	180.088	UL-RL	0.165	10.98	275.2	300.271	0.016	0	480.359	
Stage4	-20.45	612.228	182.28	UL-RL	0.165	10.98	275.2	304.209	0.016	0	486.489	
Stage4	-20.85	618.68	184.472	UL-RL	0.165	10.98	275.2	308.147	0.016	0	492.619	
Stage4	-21.25	625.132	186.665	UL-RL	0.165	10.98	275.2	312.085	0.016	0	498.751	
Stage4	-21.65	631.584	188.86	UL-RL	0.165	10.98	275.2	316.023	0.016	0	504.883	
Stage4	-22.05	638.036	191.055	UL-RL	0.165	10.98	275.2	319.961	0.016	0	511.016	
Stage4	-22.3	642.116	192.427	UL-RL	0.165	10.98	275.2	322.422	0.016	0	514.85	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Stage5

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage5	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage5	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage5	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage5	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage5	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage5	13.75	56.284	13.287	UL-RL	0.433	2.529	11.2	0	0	13.287
Stage5	13.35	65.127	17.999	UL-RL	0.433	2.529	11.2	0	0	17.999
Stage5	12.95	73.766	22.514	UL-RL	0.433	2.529	11.2	0	0	22.514
Stage5	12.55	82.268	26.757	UL-RL	0.433	2.529	11.2	0	0	26.757
Stage5	12.15	89.411	30.051	UL-RL	0.433	2.529	11.2	0	0	30.051
Stage5	11.75	97.007	32.983	UL-RL	0.433	2.529	11.2	0	0	32.983
Stage5	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage5	10.95	112.808	36.411	UL-RL	0.433	2.529	11.2	0	0	36.411
Stage5	10.55	120.733	38.277	UL-RL	0.433	2.529	11.2	0	0	38.277
Stage5	10.15	128.669	40.974	ACTIVE	0.433	2.529	11.2	0	0	40.974
Stage5	9.95	133.044	42.868	ACTIVE	0.433	2.529	11.2	0	0	42.868
Stage5	9.55	140.969	46.3	ACTIVE	0.433	2.529	11.2	0	0	46.3
Stage5	9.15	148.903	49.735	ACTIVE	0.433	2.529	11.2	0	0	49.735
Stage5	8.75	157.146	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	8.35	167.495	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	7.95	177.849	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	7.55	188.208	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	7.15	198.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	6.75	208.938	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	6.35	219.308	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	5.95	229.68	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	5.55	239.537	0	ACTIVE	0.165	10.98	275.2	0.982	0.018	0.982
Stage5	5.15	245.97	0	ACTIVE	0.165	10.98	275.2	4.909	0.018	4.909
Stage5	4.75	252.406	0	ACTIVE	0.165	10.98	275.2	8.836	0.018	8.836
Stage5	4.35	258.844	1.069	UL-RL	0.165	10.98	275.2	12.763	0.018	13.832
Stage5	3.95	265.285	35.296	UL-RL	0.165	10.98	275.2	16.69	0.018	51.986
Stage5	3.55	271.728	47.65	UL-RL	0.165	10.98	275.2	20.617	0.018	68.268
Stage5	3.15	278.172	49.805	UL-RL	0.165	10.98	275.2	24.545	0.018	74.349
Stage5	2.75	284.619	49.289	UL-RL	0.165	10.98	275.2	28.472	0.018	77.761
Stage5	2.35	291.067	49.33	UL-RL	0.165	10.98	275.2	32.399	0.018	81.729
Stage5	1.95	297.517	50.587	UL-RL	0.165	10.98	275.2	36.326	0.018	86.913
Stage5	1.55	303.968	52.717	UL-RL	0.165	10.98	275.2	40.253	0.018	92.97
Stage5	1.15	310.42	55.238	UL-RL	0.165	10.98	275.2	44.18	0.018	99.418
Stage5	0.75	317.19	57.831	UL-RL	0.165	10.98	275.2	48.107	0.018	105.939
Stage5	0.35	323.637	60.363	UL-RL	0.165	10.98	275.2	52.035	0.018	112.398
Stage5	-0.05	330.085	62.81	UL-RL	0.165	10.98	275.2	55.962	0.018	118.772
Stage5	-0.45	336.534	65.191	UL-RL	0.165	10.98	275.2	59.889	0.018	125.08
Stage5	-0.85	342.984	67.533	UL-RL	0.165	10.98	275.2	63.816	0.018	131.349
Stage5	-1.25	349.435	69.851	UL-RL	0.165	10.98	275.2	67.743	0.018	137.594
Stage5	-1.45	352.799	71.005	UL-RL	0.165	10.98	275.2	69.707	0.018	140.712
Stage5	-1.85	359.249	73.305	UL-RL	0.165	10.98	275.2	73.634	0.018	146.939
Stage5	-2.25	365.7	75.596	UL-RL	0.165	10.98	275.2	77.561	0.018	153.157
Stage5	-2.65	372.151	77.878	UL-RL	0.165	10.98	275.2	81.488	0.018	159.366
Stage5	-3.05	378.604	80.152	UL-RL	0.165	10.98	275.2	85.415	0.018	165.567
Stage5	-3.45	385.057	82.418	UL-RL	0.165	10.98	275.2	89.342	0.018	171.76
Stage5	-3.85	391.512	84.678	UL-RL	0.165	10.98	275.2	93.27	0.018	177.947
Stage5	-4.25	397.967	86.931	UL-RL	0.165	10.98	275.2	97.197	0.018	184.128

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	LEFT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage5	-4.65	404.422	89.18	UL-RL	0.165	10.98	275.2	101.124	0.018	0	190.304		
Stage5	-5.05	410.879	91.424	UL-RL	0.165	10.98	275.2	105.051	0.018	0	196.475		
Stage5	-5.45	417.336	93.665	UL-RL	0.165	10.98	275.2	108.978	0.018	0	202.643		
Stage5	-5.85	423.793	95.902	UL-RL	0.165	10.98	275.2	112.905	0.018	0	208.807		
Stage5	-6.25	430.468	98.136	UL-RL	0.165	10.98	275.2	116.832	0.018	0	214.968		
Stage5	-6.45	433.588	99.252	UL-RL	0.165	10.98	275.2	118.796	0.018	0	218.048		
Stage5	-6.85	440.045	101.482	UL-RL	0.165	10.98	275.2	122.723	0.018	0	224.205		
Stage5	-7.25	446.503	103.71	UL-RL	0.165	10.98	275.2	126.65	0.018	0	230.36		
Stage5	-7.65	452.961	105.936	UL-RL	0.165	10.98	275.2	130.577	0.018	0	236.514		
Stage5	-8.05	459.42	108.161	UL-RL	0.165	10.98	275.2	134.504	0.018	0	242.665		
Stage5	-8.45	466.076	110.384	UL-RL	0.165	10.98	275.2	138.432	0.018	0	248.816		
Stage5	-8.85	472.532	112.606	UL-RL	0.165	10.98	275.2	142.359	0.018	0	254.965		
Stage5	-9.25	478.989	114.827	UL-RL	0.165	10.98	275.2	146.286	0.018	0	261.113		
Stage5	-9.65	485.447	117.047	UL-RL	0.165	10.98	275.2	150.213	0.018	0	267.26		
Stage5	-10.05	491.905	119.266	UL-RL	0.165	10.98	275.2	154.14	0.018	0	273.407		
Stage5	-10.45	498.363	121.485	UL-RL	0.165	10.98	275.2	158.067	0.018	0	279.552		
Stage5	-10.85	504.822	123.703	UL-RL	0.165	10.98	275.2	161.994	0.018	0	285.698		
Stage5	-11.25	511.281	125.921	UL-RL	0.165	10.98	275.2	165.922	0.018	0	291.843		
Stage5	-11.65	517.741	128.139	UL-RL	0.165	10.98	275.2	169.849	0.018	0	297.987		
Stage5	-12.05	524.201	130.356	UL-RL	0.165	10.98	275.2	173.776	0.018	0	304.132		
Stage5	-12.45	530.661	132.573	UL-RL	0.165	10.98	275.2	177.703	0.018	0	310.276		
Stage5	-12.85	537.122	134.79	UL-RL	0.165	10.98	275.2	181.63	0.018	0	316.42		
Stage5	-13.25	543.748	137.007	UL-RL	0.165	10.98	275.2	185.557	0.018	0	322.565		
Stage5	-13.65	550.206	139.224	UL-RL	0.165	10.98	275.2	189.484	0.018	0	328.709		
Stage5	-14.05	556.666	141.442	UL-RL	0.165	10.98	275.2	193.412	0.018	0	334.853		
Stage5	-14.45	563.126	143.659	UL-RL	0.165	10.98	275.2	197.339	0.018	0	340.998		
Stage5	-14.85	569.586	145.877	UL-RL	0.165	10.98	275.2	201.266	0.018	0	347.142		
Stage5	-15.25	576.047	148.094	UL-RL	0.165	10.98	275.2	205.193	0.018	0	353.287		
Stage5	-15.65	582.508	150.312	UL-RL	0.165	10.98	275.2	209.12	0.018	0	359.433		
Stage5	-16.05	588.969	152.531	UL-RL	0.165	10.98	275.2	213.047	0.018	0	365.578		
Stage5	-16.45	595.43	154.749	UL-RL	0.165	10.98	275.2	216.974	0.018	0	371.724		
Stage5	-16.85	601.892	156.968	UL-RL	0.165	10.98	275.2	220.902	0.018	0	377.87		
Stage5	-17.25	608.354	159.188	UL-RL	0.165	10.98	275.2	224.829	0.018	0	384.016		
Stage5	-17.65	614.816	161.407	UL-RL	0.165	10.98	275.2	228.756	0.018	0	390.163		
Stage5	-18.05	621.42	163.627	UL-RL	0.165	10.98	275.2	232.683	0.018	0	396.31		
Stage5	-18.45	627.882	165.848	UL-RL	0.165	10.98	275.2	236.61	0.018	0	402.458		
Stage5	-18.85	634.343	168.068	UL-RL	0.165	10.98	275.2	240.537	0.018	0	408.606		
Stage5	-19.25	640.805	170.29	UL-RL	0.165	10.98	275.2	244.464	0.018	0	414.754		
Stage5	-19.65	647.267	172.512	UL-RL	0.165	10.98	275.2	248.392	0.018	0	420.903		
Stage5	-20.05	653.729	174.734	UL-RL	0.165	10.98	275.2	252.319	0.018	0	427.052		
Stage5	-20.45	660.191	176.956	UL-RL	0.165	10.98	275.2	256.246	0.018	0	433.202		
Stage5	-20.85	666.654	179.179	UL-RL	0.165	10.98	275.2	260.173	0.018	0	439.352		
Stage5	-21.25	673.117	181.402	UL-RL	0.165	10.98	275.2	264.1	0.018	0	445.502		
Stage5	-21.65	679.58	183.626	UL-RL	0.165	10.98	275.2	268.027	0.018	0	451.654		
Stage5	-22.05	686.043	185.851	UL-RL	0.165	10.98	275.2	271.954	0.018	0	457.805		
Stage5	-22.3	690.13	187.242	UL-RL	0.165	10.98	275.2	274.409	0.018	0	461.651		

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Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.35	4.745	53.522	UL-RL	0.165	10.98	275.2	3.055	0.018	0	56.576
Stage5	3.95	11.072	45.543	UL-RL	0.165	10.98	275.2	7.128	0.018	0	52.671
Stage5	3.55	17.4	45.239	UL-RL	0.165	10.98	275.2	11.2	0.018	0	56.439
Stage5	3.15	23.727	48.54	UL-RL	0.165	10.98	275.2	15.273	0.018	0	63.814
Stage5	2.75	30.054	52.622	UL-RL	0.165	10.98	275.2	19.346	0.018	0	71.968
Stage5	2.35	36.381	56.284	UL-RL	0.165	10.98	275.2	23.419	0.018	0	79.702
Stage5	1.95	42.708	59.315	UL-RL	0.165	10.98	275.2	27.492	0.018	0	86.807
Stage5	1.55	49.035	61.892	UL-RL	0.165	10.98	275.2	31.565	0.018	0	93.456
Stage5	1.15	55.362	64.232	UL-RL	0.165	10.98	275.2	35.638	0.018	0	99.869
Stage5	0.75	61.69	66.48	UL-RL	0.165	10.98	275.2	39.71	0.018	0	106.19
Stage5	0.35	68.017	68.703	UL-RL	0.165	10.98	275.2	43.783	0.018	0	112.486
Stage5	-0.05	74.344	70.919	UL-RL	0.165	10.98	275.2	47.856	0.018	0	118.776
Stage5	-0.45	80.671	73.128	UL-RL	0.165	10.98	275.2	51.929	0.018	0	125.058
Stage5	-0.85	86.998	75.325	UL-RL	0.165	10.98	275.2	56.002	0.018	0	131.327
Stage5	-1.25	93.325	77.507	UL-RL	0.165	10.98	275.2	60.075	0.018	0	137.582
Stage5	-1.45	96.489	78.593	UL-RL	0.165	10.98	275.2	62.111	0.018	0	140.704
Stage5	-1.85	102.816	80.752	UL-RL	0.165	10.98	275.2	66.184	0.018	0	146.936
Stage5	-2.25	109.143	82.9	UL-RL	0.165	10.98	275.2	70.257	0.018	0	153.157
Stage5	-2.65	115.47	85.037	UL-RL	0.165	10.98	275.2	74.33	0.018	0	159.366
Stage5	-3.05	121.797	87.165	UL-RL	0.165	10.98	275.2	78.403	0.018	0	165.567
Stage5	-3.45	128.125	89.285	UL-RL	0.165	10.98	275.2	82.475	0.018	0	171.76
Stage5	-3.85	134.452	91.399	UL-RL	0.165	10.98	275.2	86.548	0.018	0	177.947
Stage5	-4.25	140.779	93.507	UL-RL	0.165	10.98	275.2	90.621	0.018	0	184.128
Stage5	-4.65	147.106	95.61	UL-RL	0.165	10.98	275.2	94.694	0.018	0	190.304
Stage5	-5.05	153.433	97.708	UL-RL	0.165	10.98	275.2	98.767	0.018	0	196.475
Stage5	-5.45	159.76	99.803	UL-RL	0.165	10.98	275.2	102.84	0.018	0	202.643

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	Ka	Kp	RIGHT	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage5	-5.85	166.087	101.894	UL-RL	UL-RL	0.165	10.98	275.2	106.913	0.018	0	208.807	
Stage5	-6.25	172.415	103.983	UL-RL	UL-RL	0.165	10.98	275.2	110.985	0.018	0	214.968	
Stage5	-6.45	175.578	105.026	UL-RL	UL-RL	0.165	10.98	275.2	113.022	0.018	0	218.048	
Stage5	-6.85	181.905	107.11	UL-RL	UL-RL	0.165	10.98	275.2	117.095	0.018	0	224.205	
Stage5	-7.25	188.232	109.193	UL-RL	UL-RL	0.165	10.98	275.2	121.168	0.018	0	230.36	
Stage5	-7.65	194.56	111.273	UL-RL	UL-RL	0.165	10.98	275.2	125.24	0.018	0	236.514	
Stage5	-8.05	200.887	113.352	UL-RL	UL-RL	0.165	10.98	275.2	129.313	0.018	0	242.665	
Stage5	-8.45	207.214	115.43	UL-RL	UL-RL	0.165	10.98	275.2	133.386	0.018	0	248.816	
Stage5	-8.85	213.541	117.506	UL-RL	UL-RL	0.165	10.98	275.2	137.459	0.018	0	254.965	
Stage5	-9.25	219.868	119.581	UL-RL	UL-RL	0.165	10.98	275.2	141.532	0.018	0	261.113	
Stage5	-9.65	226.195	121.655	UL-RL	UL-RL	0.165	10.98	275.2	145.605	0.018	0	267.26	
Stage5	-10.05	232.522	123.729	UL-RL	UL-RL	0.165	10.98	275.2	149.678	0.018	0	273.406	
Stage5	-10.45	238.85	125.802	UL-RL	UL-RL	0.165	10.98	275.2	153.75	0.018	0	279.552	
Stage5	-10.85	245.177	127.874	UL-RL	UL-RL	0.165	10.98	275.2	157.823	0.018	0	285.698	
Stage5	-11.25	251.504	129.947	UL-RL	UL-RL	0.165	10.98	275.2	161.896	0.018	0	291.843	
Stage5	-11.65	257.831	132.018	UL-RL	UL-RL	0.165	10.98	275.2	165.969	0.018	0	297.987	
Stage5	-12.05	264.158	134.09	UL-RL	UL-RL	0.165	10.98	275.2	170.042	0.018	0	304.132	
Stage5	-12.45	270.485	136.161	UL-RL	UL-RL	0.165	10.98	275.2	174.115	0.018	0	310.276	
Stage5	-12.85	276.812	138.233	UL-RL	UL-RL	0.165	10.98	275.2	178.188	0.018	0	316.42	
Stage5	-13.25	283.14	140.304	UL-RL	UL-RL	0.165	10.98	275.2	182.26	0.018	0	322.565	
Stage5	-13.65	289.466	142.376	UL-RL	UL-RL	0.165	10.98	275.2	186.333	0.018	0	328.709	
Stage5	-14.05	295.794	144.447	UL-RL	UL-RL	0.165	10.98	275.2	190.406	0.018	0	334.853	
Stage5	-14.45	302.121	146.519	UL-RL	UL-RL	0.165	10.98	275.2	194.479	0.018	0	340.998	
Stage5	-14.85	308.448	148.591	UL-RL	UL-RL	0.165	10.98	275.2	198.552	0.018	0	347.142	
Stage5	-15.25	314.775	150.663	UL-RL	UL-RL	0.165	10.98	275.2	202.625	0.018	0	353.287	
Stage5	-15.65	321.102	152.735	UL-RL	UL-RL	0.165	10.98	275.2	206.698	0.018	0	359.433	
Stage5	-16.05	327.429	154.808	UL-RL	UL-RL	0.165	10.98	275.2	210.77	0.018	0	365.578	
Stage5	-16.45	333.756	156.88	UL-RL	UL-RL	0.165	10.98	275.2	214.843	0.018	0	371.724	
Stage5	-16.85	340.084	158.954	UL-RL	UL-RL	0.165	10.98	275.2	218.916	0.018	0	377.87	
Stage5	-17.25	346.411	161.027	UL-RL	UL-RL	0.165	10.98	275.2	222.989	0.018	0	384.016	
Stage5	-17.65	352.738	163.101	UL-RL	UL-RL	0.165	10.98	275.2	227.062	0.018	0	390.163	
Stage5	-18.05	359.065	165.176	UL-RL	UL-RL	0.165	10.98	275.2	231.135	0.018	0	396.31	
Stage5	-18.45	365.392	167.25	UL-RL	UL-RL	0.165	10.98	275.2	235.208	0.018	0	402.458	
Stage5	-18.85	371.719	169.325	UL-RL	UL-RL	0.165	10.98	275.2	239.28	0.018	0	408.606	
Stage5	-19.25	378.046	171.401	UL-RL	UL-RL	0.165	10.98	275.2	243.353	0.018	0	414.754	
Stage5	-19.65	384.374	173.477	UL-RL	UL-RL	0.165	10.98	275.2	247.426	0.018	0	420.903	
Stage5	-20.05	390.701	175.553	UL-RL	UL-RL	0.165	10.98	275.2	251.499	0.018	0	427.052	
Stage5	-20.45	397.028	177.63	UL-RL	UL-RL	0.165	10.98	275.2	255.572	0.018	0	433.202	
Stage5	-20.85	403.355	179.707	UL-RL	UL-RL	0.165	10.98	275.2	259.645	0.018	0	439.352	
Stage5	-21.25	409.682	181.785	UL-RL	UL-RL	0.165	10.98	275.2	263.718	0.018	0	445.503	
Stage5	-21.65	416.009	183.863	UL-RL	UL-RL	0.165	10.98	275.2	267.79	0.018	0	451.654	
Stage5	-22.05	422.336	185.942	UL-RL	UL-RL	0.165	10.98	275.2	271.863	0.018	0	457.805	
Stage5	-22.3	426.291	187.241	UL-RL	UL-RL	0.165	10.98	275.2	274.409	0.018	0	461.65	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage5

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage5	4.35	4.745	53.522	UL-RL	0.165	10.98	275.2	3.055	0.018	0	56.576
Stage5	3.95	11.072	45.543	UL-RL	0.165	10.98	275.2	7.128	0.018	0	52.671
Stage5	3.55	17.4	45.239	UL-RL	0.165	10.98	275.2	11.2	0.018	0	56.439
Stage5	3.15	23.727	48.54	UL-RL	0.165	10.98	275.2	15.273	0.018	0	63.814
Stage5	2.75	30.054	52.622	UL-RL	0.165	10.98	275.2	19.346	0.018	0	71.968
Stage5	2.35	36.381	56.284	UL-RL	0.165	10.98	275.2	23.419	0.018	0	79.702
Stage5	1.95	42.708	59.315	UL-RL	0.165	10.98	275.2	27.492	0.018	0	86.807
Stage5	1.55	49.035	61.892	UL-RL	0.165	10.98	275.2	31.565	0.018	0	93.456
Stage5	1.15	55.362	64.232	UL-RL	0.165	10.98	275.2	35.638	0.018	0	99.869
Stage5	0.75	61.69	66.48	UL-RL	0.165	10.98	275.2	39.71	0.018	0	106.19
Stage5	0.35	68.017	68.703	UL-RL	0.165	10.98	275.2	43.783	0.018	0	112.486
Stage5	-0.05	74.344	70.919	UL-RL	0.165	10.98	275.2	47.856	0.018	0	118.776
Stage5	-0.45	80.671	73.128	UL-RL	0.165	10.98	275.2	51.929	0.018	0	125.058
Stage5	-0.85	86.998	75.325	UL-RL	0.165	10.98	275.2	56.002	0.018	0	131.327
Stage5	-1.25	93.325	77.507	UL-RL	0.165	10.98	275.2	60.075	0.018	0	137.582
Stage5	-1.45	96.489	78.593	UL-RL	0.165	10.98	275.2	62.111	0.018	0	140.704
Stage5	-1.85	102.816	80.752	UL-RL	0.165	10.98	275.2	66.184	0.018	0	146.936
Stage5	-2.25	109.143	82.9	UL-RL	0.165	10.98	275.2	70.257	0.018	0	153.157
Stage5	-2.65	115.47	85.037	UL-RL	0.165	10.98	275.2	74.33	0.018	0	159.366
Stage5	-3.05	121.797	87.165	UL-RL	0.165	10.98	275.2	78.403	0.018	0	165.567
Stage5	-3.45	128.125	89.285	UL-RL	0.165	10.98	275.2	82.475	0.018	0	171.76
Stage5	-3.85	134.452	91.399	UL-RL	0.165	10.98	275.2	86.548	0.018	0	177.947
Stage5	-4.25	140.779	93.507	UL-RL	0.165	10.98	275.2	90.621	0.018	0	184.128

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro:	RIGHT	Lato	LEFT					
					Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-4.65	147.106	95.61		UL-RL	0.165	10.98	275.2	94.694	0.018	0	190.304
Stage5	-5.05	153.433	97.708		UL-RL	0.165	10.98	275.2	98.767	0.018	0	196.475
Stage5	-5.45	159.76	99.803		UL-RL	0.165	10.98	275.2	102.84	0.018	0	202.643
Stage5	-5.85	166.087	101.894		UL-RL	0.165	10.98	275.2	106.913	0.018	0	208.807
Stage5	-6.25	172.415	103.983		UL-RL	0.165	10.98	275.2	110.985	0.018	0	214.968
Stage5	-6.45	175.578	105.026		UL-RL	0.165	10.98	275.2	113.022	0.018	0	218.048
Stage5	-6.85	181.905	107.11		UL-RL	0.165	10.98	275.2	117.095	0.018	0	224.205
Stage5	-7.25	188.232	109.193		UL-RL	0.165	10.98	275.2	121.168	0.018	0	230.36
Stage5	-7.65	194.56	111.273		UL-RL	0.165	10.98	275.2	125.24	0.018	0	236.514
Stage5	-8.05	200.887	113.352		UL-RL	0.165	10.98	275.2	129.313	0.018	0	242.665
Stage5	-8.45	207.214	115.43		UL-RL	0.165	10.98	275.2	133.386	0.018	0	248.816
Stage5	-8.85	213.541	117.506		UL-RL	0.165	10.98	275.2	137.459	0.018	0	254.965
Stage5	-9.25	219.868	119.581		UL-RL	0.165	10.98	275.2	141.532	0.018	0	261.113
Stage5	-9.65	226.195	121.655		UL-RL	0.165	10.98	275.2	145.605	0.018	0	267.26
Stage5	-10.05	232.522	123.729		UL-RL	0.165	10.98	275.2	149.678	0.018	0	273.406
Stage5	-10.45	238.85	125.802		UL-RL	0.165	10.98	275.2	153.75	0.018	0	279.552
Stage5	-10.85	245.177	127.874		UL-RL	0.165	10.98	275.2	157.823	0.018	0	285.698
Stage5	-11.25	251.504	129.947		UL-RL	0.165	10.98	275.2	161.896	0.018	0	291.843
Stage5	-11.65	257.831	132.018		UL-RL	0.165	10.98	275.2	165.969	0.018	0	297.987
Stage5	-12.05	264.158	134.09		UL-RL	0.165	10.98	275.2	170.042	0.018	0	304.132
Stage5	-12.45	270.485	136.161		UL-RL	0.165	10.98	275.2	174.115	0.018	0	310.276
Stage5	-12.85	276.812	138.233		UL-RL	0.165	10.98	275.2	178.188	0.018	0	316.42
Stage5	-13.25	283.14	140.304		UL-RL	0.165	10.98	275.2	182.26	0.018	0	322.565
Stage5	-13.65	289.466	142.376		UL-RL	0.165	10.98	275.2	186.333	0.018	0	328.709
Stage5	-14.05	295.794	144.447		UL-RL	0.165	10.98	275.2	190.406	0.018	0	334.853
Stage5	-14.45	302.121	146.519		UL-RL	0.165	10.98	275.2	194.479	0.018	0	340.998
Stage5	-14.85	308.448	148.591		UL-RL	0.165	10.98	275.2	198.552	0.018	0	347.142
Stage5	-15.25	314.775	150.663		UL-RL	0.165	10.98	275.2	202.625	0.018	0	353.287
Stage5	-15.65	321.102	152.735		UL-RL	0.165	10.98	275.2	206.698	0.018	0	359.433
Stage5	-16.05	327.429	154.808		UL-RL	0.165	10.98	275.2	210.77	0.018	0	365.578
Stage5	-16.45	333.756	156.88		UL-RL	0.165	10.98	275.2	214.843	0.018	0	371.724
Stage5	-16.85	340.084	158.954		UL-RL	0.165	10.98	275.2	218.916	0.018	0	377.87
Stage5	-17.25	346.411	161.027		UL-RL	0.165	10.98	275.2	222.989	0.018	0	384.016
Stage5	-17.65	352.738	163.101		UL-RL	0.165	10.98	275.2	227.062	0.018	0	390.163
Stage5	-18.05	359.065	165.176		UL-RL	0.165	10.98	275.2	231.135	0.018	0	396.31
Stage5	-18.45	365.392	167.25		UL-RL	0.165	10.98	275.2	235.208	0.018	0	402.458
Stage5	-18.85	371.719	169.325		UL-RL	0.165	10.98	275.2	239.28	0.018	0	408.606
Stage5	-19.25	378.046	171.401		UL-RL	0.165	10.98	275.2	243.353	0.018	0	414.754
Stage5	-19.65	384.374	173.477		UL-RL	0.165	10.98	275.2	247.426	0.018	0	420.903
Stage5	-20.05	390.701	175.553		UL-RL	0.165	10.98	275.2	251.499	0.018	0	427.052
Stage5	-20.45	397.028	177.63		UL-RL	0.165	10.98	275.2	255.572	0.018	0	433.202
Stage5	-20.85	403.355	179.707		UL-RL	0.165	10.98	275.2	259.645	0.018	0	439.352
Stage5	-21.25	409.682	181.785		UL-RL	0.165	10.98	275.2	263.718	0.018	0	445.503
Stage5	-21.65	416.009	183.863		UL-RL	0.165	10.98	275.2	267.79	0.018	0	451.654
Stage5	-22.05	422.336	185.942		UL-RL	0.165	10.98	275.2	271.863	0.018	0	457.805
Stage5	-22.3	426.291	187.241		UL-RL	0.165	10.98	275.2	274.409	0.018	0	461.65

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage5	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage5	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage5	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage5	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage5	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage5	13.75	56.284	13.287	UL-RL	0.433	2.529	11.2	0	0	13.287
Stage5	13.35	65.127	17.999	UL-RL	0.433	2.529	11.2	0	0	17.999
Stage5	12.95	73.766	22.514	UL-RL	0.433	2.529	11.2	0	0	22.514
Stage5	12.55	82.268	26.757	UL-RL	0.433	2.529	11.2	0	0	26.757
Stage5	12.15	89.411	30.051	UL-RL	0.433	2.529	11.2	0	0	30.051
Stage5	11.75	97.007	32.983	UL-RL	0.433	2.529	11.2	0	0	32.983
Stage5	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage5	10.95	112.808	36.411	UL-RL	0.433	2.529	11.2	0	0	36.411
Stage5	10.55	120.733	38.277	UL-RL	0.433	2.529	11.2	0	0	38.277
Stage5	10.15	128.669	40.974	ACTIVE	0.433	2.529	11.2	0	0	40.974
Stage5	9.95	133.044	42.868	ACTIVE	0.433	2.529	11.2	0	0	42.868
Stage5	9.55	140.969	46.3	ACTIVE	0.433	2.529	11.2	0	0	46.3
Stage5	9.15	148.903	49.735	ACTIVE	0.433	2.529	11.2	0	0	49.735
Stage5	8.75	157.146	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	8.35	167.495	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	7.95	177.849	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	7.55	188.208	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	7.15	198.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	6.75	208.938	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	6.35	219.308	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	5.95	229.68	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage5	5.55	239.537	0	ACTIVE	0.165	10.98	275.2	0.982	0.018	0.982
Stage5	5.15	245.97	0	ACTIVE	0.165	10.98	275.2	4.909	0.018	4.909
Stage5	4.75	252.406	0	ACTIVE	0.165	10.98	275.2	8.836	0.018	8.836
Stage5	4.35	258.844	1.069	UL-RL	0.165	10.98	275.2	12.763	0.018	13.832
Stage5	3.95	265.285	35.296	UL-RL	0.165	10.98	275.2	16.69	0.018	51.986
Stage5	3.55	271.728	47.65	UL-RL	0.165	10.98	275.2	20.617	0.018	68.268
Stage5	3.15	278.172	49.805	UL-RL	0.165	10.98	275.2	24.545	0.018	74.349
Stage5	2.75	284.619	49.289	UL-RL	0.165	10.98	275.2	28.472	0.018	77.761
Stage5	2.35	291.067	49.33	UL-RL	0.165	10.98	275.2	32.399	0.018	81.729
Stage5	1.95	297.517	50.587	UL-RL	0.165	10.98	275.2	36.326	0.018	86.913
Stage5	1.55	303.968	52.717	UL-RL	0.165	10.98	275.2	40.253	0.018	92.97
Stage5	1.15	310.42	55.238	UL-RL	0.165	10.98	275.2	44.18	0.018	99.418
Stage5	0.75	317.19	57.831	UL-RL	0.165	10.98	275.2	48.107	0.018	105.939
Stage5	0.35	323.637	60.363	UL-RL	0.165	10.98	275.2	52.035	0.018	112.398
Stage5	-0.05	330.085	62.81	UL-RL	0.165	10.98	275.2	55.962	0.018	118.772
Stage5	-0.45	336.534	65.191	UL-RL	0.165	10.98	275.2	59.889	0.018	125.08
Stage5	-0.85	342.984	67.533	UL-RL	0.165	10.98	275.2	63.816	0.018	131.349
Stage5	-1.25	349.435	69.851	UL-RL	0.165	10.98	275.2	67.743	0.018	137.594
Stage5	-1.45	352.799	71.005	UL-RL	0.165	10.98	275.2	69.707	0.018	140.712
Stage5	-1.85	359.249	73.305	UL-RL	0.165	10.98	275.2	73.634	0.018	146.939
Stage5	-2.25	365.7	75.596	UL-RL	0.165	10.98	275.2	77.561	0.018	153.157
Stage5	-2.65	372.151	77.878	UL-RL	0.165	10.98	275.2	81.488	0.018	159.366
Stage5	-3.05	378.604	80.152	UL-RL	0.165	10.98	275.2	85.415	0.018	165.567
Stage5	-3.45	385.057	82.418	UL-RL	0.165	10.98	275.2	89.342	0.018	171.76
Stage5	-3.85	391.512	84.678	UL-RL	0.165	10.98	275.2	93.27	0.018	177.947
Stage5	-4.25	397.967	86.931	UL-RL	0.165	10.98	275.2	97.197	0.018	184.128
Stage5	-4.65	404.422	89.18	UL-RL	0.165	10.98	275.2	101.124	0.018	190.304
Stage5	-5.05	410.879	91.424	UL-RL	0.165	10.98	275.2	105.051	0.018	196.475
Stage5	-5.45	417.336	93.665	UL-RL	0.165	10.98	275.2	108.978	0.018	202.643

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage5	-5.85	423.793	95.902	UL-RL	0.165	10.98	275.2	112.905	0.018	0	208.807
Stage5	-6.25	430.468	98.136	UL-RL	0.165	10.98	275.2	116.832	0.018	0	214.968
Stage5	-6.45	433.588	99.252	UL-RL	0.165	10.98	275.2	118.796	0.018	0	218.048
Stage5	-6.85	440.045	101.482	UL-RL	0.165	10.98	275.2	122.723	0.018	0	224.205
Stage5	-7.25	446.503	103.71	UL-RL	0.165	10.98	275.2	126.65	0.018	0	230.36
Stage5	-7.65	452.961	105.936	UL-RL	0.165	10.98	275.2	130.577	0.018	0	236.514
Stage5	-8.05	459.42	108.161	UL-RL	0.165	10.98	275.2	134.504	0.018	0	242.665
Stage5	-8.45	466.076	110.384	UL-RL	0.165	10.98	275.2	138.432	0.018	0	248.816
Stage5	-8.85	472.532	112.606	UL-RL	0.165	10.98	275.2	142.359	0.018	0	254.965
Stage5	-9.25	478.989	114.827	UL-RL	0.165	10.98	275.2	146.286	0.018	0	261.113
Stage5	-9.65	485.447	117.047	UL-RL	0.165	10.98	275.2	150.213	0.018	0	267.26
Stage5	-10.05	491.905	119.266	UL-RL	0.165	10.98	275.2	154.14	0.018	0	273.407
Stage5	-10.45	498.363	121.485	UL-RL	0.165	10.98	275.2	158.067	0.018	0	279.552
Stage5	-10.85	504.822	123.703	UL-RL	0.165	10.98	275.2	161.994	0.018	0	285.698
Stage5	-11.25	511.281	125.921	UL-RL	0.165	10.98	275.2	165.922	0.018	0	291.843
Stage5	-11.65	517.741	128.139	UL-RL	0.165	10.98	275.2	169.849	0.018	0	297.987
Stage5	-12.05	524.201	130.356	UL-RL	0.165	10.98	275.2	173.776	0.018	0	304.132
Stage5	-12.45	530.661	132.573	UL-RL	0.165	10.98	275.2	177.703	0.018	0	310.276
Stage5	-12.85	537.122	134.79	UL-RL	0.165	10.98	275.2	181.63	0.018	0	316.42
Stage5	-13.25	543.748	137.007	UL-RL	0.165	10.98	275.2	185.557	0.018	0	322.565
Stage5	-13.65	550.206	139.224	UL-RL	0.165	10.98	275.2	189.484	0.018	0	328.709
Stage5	-14.05	556.666	141.442	UL-RL	0.165	10.98	275.2	193.412	0.018	0	334.853
Stage5	-14.45	563.126	143.659	UL-RL	0.165	10.98	275.2	197.339	0.018	0	340.998
Stage5	-14.85	569.586	145.877	UL-RL	0.165	10.98	275.2	201.266	0.018	0	347.142
Stage5	-15.25	576.047	148.094	UL-RL	0.165	10.98	275.2	205.193	0.018	0	353.287
Stage5	-15.65	582.508	150.312	UL-RL	0.165	10.98	275.2	209.12	0.018	0	359.433
Stage5	-16.05	588.969	152.531	UL-RL	0.165	10.98	275.2	213.047	0.018	0	365.578
Stage5	-16.45	595.43	154.749	UL-RL	0.165	10.98	275.2	216.974	0.018	0	371.724
Stage5	-16.85	601.892	156.968	UL-RL	0.165	10.98	275.2	220.902	0.018	0	377.87
Stage5	-17.25	608.354	159.188	UL-RL	0.165	10.98	275.2	224.829	0.018	0	384.016
Stage5	-17.65	614.816	161.407	UL-RL	0.165	10.98	275.2	228.756	0.018	0	390.163
Stage5	-18.05	621.42	163.627	UL-RL	0.165	10.98	275.2	232.683	0.018	0	396.31
Stage5	-18.45	627.882	165.848	UL-RL	0.165	10.98	275.2	236.61	0.018	0	402.458
Stage5	-18.85	634.343	168.068	UL-RL	0.165	10.98	275.2	240.537	0.018	0	408.606
Stage5	-19.25	640.805	170.29	UL-RL	0.165	10.98	275.2	244.464	0.018	0	414.754
Stage5	-19.65	647.267	172.512	UL-RL	0.165	10.98	275.2	248.392	0.018	0	420.903
Stage5	-20.05	653.729	174.734	UL-RL	0.165	10.98	275.2	252.319	0.018	0	427.052
Stage5	-20.45	660.191	176.956	UL-RL	0.165	10.98	275.2	256.246	0.018	0	433.202
Stage5	-20.85	666.654	179.179	UL-RL	0.165	10.98	275.2	260.173	0.018	0	439.352
Stage5	-21.25	673.117	181.402	UL-RL	0.165	10.98	275.2	264.1	0.018	0	445.502
Stage5	-21.65	679.58	183.626	UL-RL	0.165	10.98	275.2	268.027	0.018	0	451.654
Stage5	-22.05	686.043	185.851	UL-RL	0.165	10.98	275.2	271.954	0.018	0	457.805
Stage5	-22.3	690.13	187.242	UL-RL	0.165	10.98	275.2	274.409	0.018	0	461.651

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage6

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage6	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage6	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage6	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage6	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage6	13.75	56.284	13.287	UL-RL	0.433	2.529	11.2	0	0	13.287
Stage6	13.35	65.127	17.999	UL-RL	0.433	2.529	11.2	0	0	17.999
Stage6	12.95	73.766	22.514	UL-RL	0.433	2.529	11.2	0	0	22.514
Stage6	12.55	82.268	26.757	UL-RL	0.433	2.529	11.2	0	0	26.757
Stage6	12.15	89.411	30.051	UL-RL	0.433	2.529	11.2	0	0	30.051
Stage6	11.75	97.007	32.983	UL-RL	0.433	2.529	11.2	0	0	32.983
Stage6	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage6	10.95	112.808	36.411	UL-RL	0.433	2.529	11.2	0	0	36.411
Stage6	10.55	120.733	38.277	UL-RL	0.433	2.529	11.2	0	0	38.277
Stage6	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage6	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage6	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage6	9.15	148.903	49.735	UL-RL	0.433	2.529	11.2	0	0	49.735
Stage6	8.75	157.146	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	8.35	167.495	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	7.95	177.849	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	7.55	188.208	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	7.15	198.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	6.75	208.938	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	6.35	219.308	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	5.95	229.68	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	5.55	239.537	0	ACTIVE	0.165	10.98	275.2	0.982	0.018	0.982
Stage6	5.15	245.97	0	ACTIVE	0.165	10.98	275.2	4.909	0.018	4.909
Stage6	4.75	252.406	0	ACTIVE	0.165	10.98	275.2	8.836	0.018	8.836
Stage6	4.35	258.844	1.069	UL-RL	0.165	10.98	275.2	12.763	0.018	13.832
Stage6	3.95	265.285	35.296	UL-RL	0.165	10.98	275.2	16.69	0.018	51.986
Stage6	3.55	271.728	47.65	UL-RL	0.165	10.98	275.2	20.617	0.018	68.268
Stage6	3.15	278.172	49.805	UL-RL	0.165	10.98	275.2	24.545	0.018	74.349
Stage6	2.75	284.619	49.289	UL-RL	0.165	10.98	275.2	28.472	0.018	77.761
Stage6	2.35	291.067	49.33	UL-RL	0.165	10.98	275.2	32.399	0.018	81.729
Stage6	1.95	297.517	50.587	UL-RL	0.165	10.98	275.2	36.326	0.018	86.913
Stage6	1.55	303.968	52.717	UL-RL	0.165	10.98	275.2	40.253	0.018	92.97
Stage6	1.15	310.42	55.238	UL-RL	0.165	10.98	275.2	44.18	0.018	99.418
Stage6	0.75	317.19	57.831	UL-RL	0.165	10.98	275.2	48.107	0.018	105.939
Stage6	0.35	323.637	60.363	UL-RL	0.165	10.98	275.2	52.035	0.018	112.398
Stage6	-0.05	330.085	62.81	UL-RL	0.165	10.98	275.2	55.962	0.018	118.772
Stage6	-0.45	336.534	65.191	UL-RL	0.165	10.98	275.2	59.889	0.018	125.08
Stage6	-0.85	342.984	67.533	UL-RL	0.165	10.98	275.2	63.816	0.018	131.349
Stage6	-1.25	349.435	69.851	UL-RL	0.165	10.98	275.2	67.743	0.018	137.594
Stage6	-1.45	352.799	71.005	UL-RL	0.165	10.98	275.2	69.707	0.018	140.712
Stage6	-1.85	359.249	73.305	UL-RL	0.165	10.98	275.2	73.634	0.018	146.939
Stage6	-2.25	365.7	75.596	UL-RL	0.165	10.98	275.2	77.561	0.018	153.157
Stage6	-2.65	372.151	77.878	UL-RL	0.165	10.98	275.2	81.488	0.018	159.366
Stage6	-3.05	378.604	80.152	UL-RL	0.165	10.98	275.2	85.415	0.018	165.567
Stage6	-3.45	385.057	82.418	UL-RL	0.165	10.98	275.2	89.342	0.018	171.76
Stage6	-3.85	391.512	84.678	UL-RL	0.165	10.98	275.2	93.27	0.018	177.947
Stage6	-4.25	397.967	86.931	UL-RL	0.165	10.98	275.2	97.197	0.018	184.128

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	LEFT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	-4.65	404.422	89.18	UL-RL	0.165	10.98	275.2	101.124	0.018	0	190.304		
Stage6	-5.05	410.879	91.424	UL-RL	0.165	10.98	275.2	105.051	0.018	0	196.475		
Stage6	-5.45	417.336	93.665	UL-RL	0.165	10.98	275.2	108.978	0.018	0	202.643		
Stage6	-5.85	423.793	95.902	UL-RL	0.165	10.98	275.2	112.905	0.018	0	208.807		
Stage6	-6.25	430.468	98.136	UL-RL	0.165	10.98	275.2	116.832	0.018	0	214.968		
Stage6	-6.45	433.588	99.252	UL-RL	0.165	10.98	275.2	118.796	0.018	0	218.048		
Stage6	-6.85	440.045	101.482	UL-RL	0.165	10.98	275.2	122.723	0.018	0	224.205		
Stage6	-7.25	446.503	103.71	UL-RL	0.165	10.98	275.2	126.65	0.018	0	230.36		
Stage6	-7.65	452.961	105.936	UL-RL	0.165	10.98	275.2	130.577	0.018	0	236.514		
Stage6	-8.05	459.42	108.161	UL-RL	0.165	10.98	275.2	134.504	0.018	0	242.665		
Stage6	-8.45	466.076	110.384	UL-RL	0.165	10.98	275.2	138.432	0.018	0	248.816		
Stage6	-8.85	472.532	112.606	UL-RL	0.165	10.98	275.2	142.359	0.018	0	254.965		
Stage6	-9.25	478.989	114.827	UL-RL	0.165	10.98	275.2	146.286	0.018	0	261.113		
Stage6	-9.65	485.447	117.047	UL-RL	0.165	10.98	275.2	150.213	0.018	0	267.26		
Stage6	-10.05	491.905	119.266	UL-RL	0.165	10.98	275.2	154.14	0.018	0	273.407		
Stage6	-10.45	498.363	121.485	UL-RL	0.165	10.98	275.2	158.067	0.018	0	279.552		
Stage6	-10.85	504.822	123.703	UL-RL	0.165	10.98	275.2	161.994	0.018	0	285.698		
Stage6	-11.25	511.281	125.921	UL-RL	0.165	10.98	275.2	165.922	0.018	0	291.843		
Stage6	-11.65	517.741	128.139	UL-RL	0.165	10.98	275.2	169.849	0.018	0	297.987		
Stage6	-12.05	524.201	130.356	UL-RL	0.165	10.98	275.2	173.776	0.018	0	304.132		
Stage6	-12.45	530.661	132.573	UL-RL	0.165	10.98	275.2	177.703	0.018	0	310.276		
Stage6	-12.85	537.122	134.79	UL-RL	0.165	10.98	275.2	181.63	0.018	0	316.42		
Stage6	-13.25	543.748	137.007	UL-RL	0.165	10.98	275.2	185.557	0.018	0	322.565		
Stage6	-13.65	550.206	139.224	UL-RL	0.165	10.98	275.2	189.484	0.018	0	328.709		
Stage6	-14.05	556.666	141.442	UL-RL	0.165	10.98	275.2	193.412	0.018	0	334.853		
Stage6	-14.45	563.126	143.659	UL-RL	0.165	10.98	275.2	197.339	0.018	0	340.998		
Stage6	-14.85	569.586	145.877	UL-RL	0.165	10.98	275.2	201.266	0.018	0	347.142		
Stage6	-15.25	576.047	148.094	UL-RL	0.165	10.98	275.2	205.193	0.018	0	353.287		
Stage6	-15.65	582.508	150.312	UL-RL	0.165	10.98	275.2	209.12	0.018	0	359.433		
Stage6	-16.05	588.969	152.531	UL-RL	0.165	10.98	275.2	213.047	0.018	0	365.578		
Stage6	-16.45	595.43	154.749	UL-RL	0.165	10.98	275.2	216.974	0.018	0	371.724		
Stage6	-16.85	601.892	156.968	UL-RL	0.165	10.98	275.2	220.902	0.018	0	377.87		
Stage6	-17.25	608.354	159.188	UL-RL	0.165	10.98	275.2	224.829	0.018	0	384.016		
Stage6	-17.65	614.816	161.407	UL-RL	0.165	10.98	275.2	228.756	0.018	0	390.163		
Stage6	-18.05	621.42	163.627	UL-RL	0.165	10.98	275.2	232.683	0.018	0	396.31		
Stage6	-18.45	627.882	165.848	UL-RL	0.165	10.98	275.2	236.61	0.018	0	402.458		
Stage6	-18.85	634.343	168.068	UL-RL	0.165	10.98	275.2	240.537	0.018	0	408.606		
Stage6	-19.25	640.805	170.29	UL-RL	0.165	10.98	275.2	244.464	0.018	0	414.754		
Stage6	-19.65	647.267	172.512	UL-RL	0.165	10.98	275.2	248.392	0.018	0	420.903		
Stage6	-20.05	653.729	174.734	UL-RL	0.165	10.98	275.2	252.319	0.018	0	427.052		
Stage6	-20.45	660.191	176.956	UL-RL	0.165	10.98	275.2	256.246	0.018	0	433.202		
Stage6	-20.85	666.654	179.179	UL-RL	0.165	10.98	275.2	260.173	0.018	0	439.352		
Stage6	-21.25	673.117	181.402	UL-RL	0.165	10.98	275.2	264.1	0.018	0	445.502		
Stage6	-21.65	679.58	183.626	UL-RL	0.165	10.98	275.2	268.027	0.018	0	451.654		
Stage6	-22.05	686.043	185.851	UL-RL	0.165	10.98	275.2	271.954	0.018	0	457.805		
Stage6	-22.3	690.13	187.242	UL-RL	0.165	10.98	275.2	274.409	0.018	0	461.651		

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.35	4.745	53.522	UL-RL	0.165	10.98	275.2	3.055	0.018	0	56.576
Stage6	3.95	11.072	45.543	UL-RL	0.165	10.98	275.2	7.128	0.018	0	52.671
Stage6	3.55	17.4	45.239	UL-RL	0.165	10.98	275.2	11.2	0.018	0	56.439
Stage6	3.15	23.727	48.54	UL-RL	0.165	10.98	275.2	15.273	0.018	0	63.814
Stage6	2.75	30.054	52.622	UL-RL	0.165	10.98	275.2	19.346	0.018	0	71.968
Stage6	2.35	36.381	56.284	UL-RL	0.165	10.98	275.2	23.419	0.018	0	79.702
Stage6	1.95	42.708	59.315	UL-RL	0.165	10.98	275.2	27.492	0.018	0	86.807
Stage6	1.55	49.035	61.892	UL-RL	0.165	10.98	275.2	31.565	0.018	0	93.456
Stage6	1.15	55.362	64.232	UL-RL	0.165	10.98	275.2	35.638	0.018	0	99.869
Stage6	0.75	61.69	66.48	UL-RL	0.165	10.98	275.2	39.71	0.018	0	106.19
Stage6	0.35	68.017	68.703	UL-RL	0.165	10.98	275.2	43.783	0.018	0	112.486
Stage6	-0.05	74.344	70.919	UL-RL	0.165	10.98	275.2	47.856	0.018	0	118.776
Stage6	-0.45	80.671	73.128	UL-RL	0.165	10.98	275.2	51.929	0.018	0	125.058
Stage6	-0.85	86.998	75.325	UL-RL	0.165	10.98	275.2	56.002	0.018	0	131.327
Stage6	-1.25	93.325	77.507	UL-RL	0.165	10.98	275.2	60.075	0.018	0	137.582
Stage6	-1.45	96.489	78.593	UL-RL	0.165	10.98	275.2	62.111	0.018	0	140.704
Stage6	-1.85	102.816	80.752	UL-RL	0.165	10.98	275.2	66.184	0.018	0	146.936
Stage6	-2.25	109.143	82.9	UL-RL	0.165	10.98	275.2	70.257	0.018	0	153.157
Stage6	-2.65	115.47	85.037	UL-RL	0.165	10.98	275.2	74.33	0.018	0	159.366
Stage6	-3.05	121.797	87.165	UL-RL	0.165	10.98	275.2	78.403	0.018	0	165.567
Stage6	-3.45	128.125	89.285	UL-RL	0.165	10.98	275.2	82.475	0.018	0	171.76
Stage6	-3.85	134.452	91.399	UL-RL	0.165	10.98	275.2	86.548	0.018	0	177.947
Stage6	-4.25	140.779	93.507	UL-RL	0.165	10.98	275.2	90.621	0.018	0	184.128
Stage6	-4.65	147.106	95.61	UL-RL	0.165	10.98	275.2	94.694	0.018	0	190.304
Stage6	-5.05	153.433	97.708	UL-RL	0.165	10.98	275.2	98.767	0.018	0	196.475
Stage6	-5.45	159.76	99.803	UL-RL	0.165	10.98	275.2	102.84	0.018	0	202.643

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	RIGHT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	-5.85	166.087	101.894	UL-RL	UL-RL	0.165	10.98	275.2	106.913	0.018	0	208.807	
Stage6	-6.25	172.415	103.983	UL-RL	UL-RL	0.165	10.98	275.2	110.985	0.018	0	214.968	
Stage6	-6.45	175.578	105.026	UL-RL	UL-RL	0.165	10.98	275.2	113.022	0.018	0	218.048	
Stage6	-6.85	181.905	107.11	UL-RL	UL-RL	0.165	10.98	275.2	117.095	0.018	0	224.205	
Stage6	-7.25	188.232	109.193	UL-RL	UL-RL	0.165	10.98	275.2	121.168	0.018	0	230.36	
Stage6	-7.65	194.56	111.273	UL-RL	UL-RL	0.165	10.98	275.2	125.24	0.018	0	236.514	
Stage6	-8.05	200.887	113.352	UL-RL	UL-RL	0.165	10.98	275.2	129.313	0.018	0	242.665	
Stage6	-8.45	207.214	115.43	UL-RL	UL-RL	0.165	10.98	275.2	133.386	0.018	0	248.816	
Stage6	-8.85	213.541	117.506	UL-RL	UL-RL	0.165	10.98	275.2	137.459	0.018	0	254.965	
Stage6	-9.25	219.868	119.581	UL-RL	UL-RL	0.165	10.98	275.2	141.532	0.018	0	261.113	
Stage6	-9.65	226.195	121.655	UL-RL	UL-RL	0.165	10.98	275.2	145.605	0.018	0	267.26	
Stage6	-10.05	232.522	123.729	UL-RL	UL-RL	0.165	10.98	275.2	149.678	0.018	0	273.406	
Stage6	-10.45	238.85	125.802	UL-RL	UL-RL	0.165	10.98	275.2	153.75	0.018	0	279.552	
Stage6	-10.85	245.177	127.874	UL-RL	UL-RL	0.165	10.98	275.2	157.823	0.018	0	285.698	
Stage6	-11.25	251.504	129.947	UL-RL	UL-RL	0.165	10.98	275.2	161.896	0.018	0	291.843	
Stage6	-11.65	257.831	132.018	UL-RL	UL-RL	0.165	10.98	275.2	165.969	0.018	0	297.987	
Stage6	-12.05	264.158	134.09	UL-RL	UL-RL	0.165	10.98	275.2	170.042	0.018	0	304.132	
Stage6	-12.45	270.485	136.161	UL-RL	UL-RL	0.165	10.98	275.2	174.115	0.018	0	310.276	
Stage6	-12.85	276.812	138.233	UL-RL	UL-RL	0.165	10.98	275.2	178.188	0.018	0	316.42	
Stage6	-13.25	283.14	140.304	UL-RL	UL-RL	0.165	10.98	275.2	182.26	0.018	0	322.565	
Stage6	-13.65	289.466	142.376	UL-RL	UL-RL	0.165	10.98	275.2	186.333	0.018	0	328.709	
Stage6	-14.05	295.794	144.447	UL-RL	UL-RL	0.165	10.98	275.2	190.406	0.018	0	334.853	
Stage6	-14.45	302.121	146.519	UL-RL	UL-RL	0.165	10.98	275.2	194.479	0.018	0	340.998	
Stage6	-14.85	308.448	148.591	UL-RL	UL-RL	0.165	10.98	275.2	198.552	0.018	0	347.142	
Stage6	-15.25	314.775	150.663	UL-RL	UL-RL	0.165	10.98	275.2	202.625	0.018	0	353.287	
Stage6	-15.65	321.102	152.735	UL-RL	UL-RL	0.165	10.98	275.2	206.698	0.018	0	359.433	
Stage6	-16.05	327.429	154.808	UL-RL	UL-RL	0.165	10.98	275.2	210.77	0.018	0	365.578	
Stage6	-16.45	333.756	156.88	UL-RL	UL-RL	0.165	10.98	275.2	214.843	0.018	0	371.724	
Stage6	-16.85	340.084	158.954	UL-RL	UL-RL	0.165	10.98	275.2	218.916	0.018	0	377.87	
Stage6	-17.25	346.411	161.027	UL-RL	UL-RL	0.165	10.98	275.2	222.989	0.018	0	384.016	
Stage6	-17.65	352.738	163.101	UL-RL	UL-RL	0.165	10.98	275.2	227.062	0.018	0	390.163	
Stage6	-18.05	359.065	165.176	UL-RL	UL-RL	0.165	10.98	275.2	231.135	0.018	0	396.31	
Stage6	-18.45	365.392	167.25	UL-RL	UL-RL	0.165	10.98	275.2	235.208	0.018	0	402.458	
Stage6	-18.85	371.719	169.325	UL-RL	UL-RL	0.165	10.98	275.2	239.28	0.018	0	408.606	
Stage6	-19.25	378.046	171.401	UL-RL	UL-RL	0.165	10.98	275.2	243.353	0.018	0	414.754	
Stage6	-19.65	384.374	173.477	UL-RL	UL-RL	0.165	10.98	275.2	247.426	0.018	0	420.903	
Stage6	-20.05	390.701	175.553	UL-RL	UL-RL	0.165	10.98	275.2	251.499	0.018	0	427.052	
Stage6	-20.45	397.028	177.63	UL-RL	UL-RL	0.165	10.98	275.2	255.572	0.018	0	433.202	
Stage6	-20.85	403.355	179.707	UL-RL	UL-RL	0.165	10.98	275.2	259.645	0.018	0	439.352	
Stage6	-21.25	409.682	181.785	UL-RL	UL-RL	0.165	10.98	275.2	263.718	0.018	0	445.503	
Stage6	-21.65	416.009	183.863	UL-RL	UL-RL	0.165	10.98	275.2	267.79	0.018	0	451.654	
Stage6	-22.05	422.336	185.942	UL-RL	UL-RL	0.165	10.98	275.2	271.863	0.018	0	457.805	
Stage6	-22.3	426.291	187.241	UL-RL	UL-RL	0.165	10.98	275.2	274.409	0.018	0	461.65	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage6

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage6	4.35	4.745	53.522	UL-RL	0.165	10.98	275.2	3.055	0.018	0	56.576
Stage6	3.95	11.072	45.543	UL-RL	0.165	10.98	275.2	7.128	0.018	0	52.671
Stage6	3.55	17.4	45.239	UL-RL	0.165	10.98	275.2	11.2	0.018	0	56.439
Stage6	3.15	23.727	48.54	UL-RL	0.165	10.98	275.2	15.273	0.018	0	63.814
Stage6	2.75	30.054	52.622	UL-RL	0.165	10.98	275.2	19.346	0.018	0	71.968
Stage6	2.35	36.381	56.284	UL-RL	0.165	10.98	275.2	23.419	0.018	0	79.702
Stage6	1.95	42.708	59.315	UL-RL	0.165	10.98	275.2	27.492	0.018	0	86.807
Stage6	1.55	49.035	61.892	UL-RL	0.165	10.98	275.2	31.565	0.018	0	93.456
Stage6	1.15	55.362	64.232	UL-RL	0.165	10.98	275.2	35.638	0.018	0	99.869
Stage6	0.75	61.69	66.48	UL-RL	0.165	10.98	275.2	39.71	0.018	0	106.19
Stage6	0.35	68.017	68.703	UL-RL	0.165	10.98	275.2	43.783	0.018	0	112.486
Stage6	-0.05	74.344	70.919	UL-RL	0.165	10.98	275.2	47.856	0.018	0	118.776
Stage6	-0.45	80.671	73.128	UL-RL	0.165	10.98	275.2	51.929	0.018	0	125.058
Stage6	-0.85	86.998	75.325	UL-RL	0.165	10.98	275.2	56.002	0.018	0	131.327
Stage6	-1.25	93.325	77.507	UL-RL	0.165	10.98	275.2	60.075	0.018	0	137.582
Stage6	-1.45	96.489	78.593	UL-RL	0.165	10.98	275.2	62.111	0.018	0	140.704
Stage6	-1.85	102.816	80.752	UL-RL	0.165	10.98	275.2	66.184	0.018	0	146.936
Stage6	-2.25	109.143	82.9	UL-RL	0.165	10.98	275.2	70.257	0.018	0	153.157
Stage6	-2.65	115.47	85.037	UL-RL	0.165	10.98	275.2	74.33	0.018	0	159.366
Stage6	-3.05	121.797	87.165	UL-RL	0.165	10.98	275.2	78.403	0.018	0	165.567
Stage6	-3.45	128.125	89.285	UL-RL	0.165	10.98	275.2	82.475	0.018	0	171.76
Stage6	-3.85	134.452	91.399	UL-RL	0.165	10.98	275.2	86.548	0.018	0	177.947
Stage6	-4.25	140.779	93.507	UL-RL	0.165	10.98	275.2	90.621	0.018	0	184.128

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage6	-4.65	147.106	95.61	UL-RL	0.165	10.98	275.2	94.694	0.018	0	190.304
Stage6	-5.05	153.433	97.708	UL-RL	0.165	10.98	275.2	98.767	0.018	0	196.475
Stage6	-5.45	159.76	99.803	UL-RL	0.165	10.98	275.2	102.84	0.018	0	202.643
Stage6	-5.85	166.087	101.894	UL-RL	0.165	10.98	275.2	106.913	0.018	0	208.807
Stage6	-6.25	172.415	103.983	UL-RL	0.165	10.98	275.2	110.985	0.018	0	214.968
Stage6	-6.45	175.578	105.026	UL-RL	0.165	10.98	275.2	113.022	0.018	0	218.048
Stage6	-6.85	181.905	107.11	UL-RL	0.165	10.98	275.2	117.095	0.018	0	224.205
Stage6	-7.25	188.232	109.193	UL-RL	0.165	10.98	275.2	121.168	0.018	0	230.36
Stage6	-7.65	194.56	111.273	UL-RL	0.165	10.98	275.2	125.24	0.018	0	236.514
Stage6	-8.05	200.887	113.352	UL-RL	0.165	10.98	275.2	129.313	0.018	0	242.665
Stage6	-8.45	207.214	115.43	UL-RL	0.165	10.98	275.2	133.386	0.018	0	248.816
Stage6	-8.85	213.541	117.506	UL-RL	0.165	10.98	275.2	137.459	0.018	0	254.965
Stage6	-9.25	219.868	119.581	UL-RL	0.165	10.98	275.2	141.532	0.018	0	261.113
Stage6	-9.65	226.195	121.655	UL-RL	0.165	10.98	275.2	145.605	0.018	0	267.26
Stage6	-10.05	232.522	123.729	UL-RL	0.165	10.98	275.2	149.678	0.018	0	273.406
Stage6	-10.45	238.85	125.802	UL-RL	0.165	10.98	275.2	153.75	0.018	0	279.552
Stage6	-10.85	245.177	127.874	UL-RL	0.165	10.98	275.2	157.823	0.018	0	285.698
Stage6	-11.25	251.504	129.947	UL-RL	0.165	10.98	275.2	161.896	0.018	0	291.843
Stage6	-11.65	257.831	132.018	UL-RL	0.165	10.98	275.2	165.969	0.018	0	297.987
Stage6	-12.05	264.158	134.09	UL-RL	0.165	10.98	275.2	170.042	0.018	0	304.132
Stage6	-12.45	270.485	136.161	UL-RL	0.165	10.98	275.2	174.115	0.018	0	310.276
Stage6	-12.85	276.812	138.233	UL-RL	0.165	10.98	275.2	178.188	0.018	0	316.42
Stage6	-13.25	283.14	140.304	UL-RL	0.165	10.98	275.2	182.26	0.018	0	322.565
Stage6	-13.65	289.466	142.376	UL-RL	0.165	10.98	275.2	186.333	0.018	0	328.709
Stage6	-14.05	295.794	144.447	UL-RL	0.165	10.98	275.2	190.406	0.018	0	334.853
Stage6	-14.45	302.121	146.519	UL-RL	0.165	10.98	275.2	194.479	0.018	0	340.998
Stage6	-14.85	308.448	148.591	UL-RL	0.165	10.98	275.2	198.552	0.018	0	347.142
Stage6	-15.25	314.775	150.663	UL-RL	0.165	10.98	275.2	202.625	0.018	0	353.287
Stage6	-15.65	321.102	152.735	UL-RL	0.165	10.98	275.2	206.698	0.018	0	359.433
Stage6	-16.05	327.429	154.808	UL-RL	0.165	10.98	275.2	210.77	0.018	0	365.578
Stage6	-16.45	333.756	156.88	UL-RL	0.165	10.98	275.2	214.843	0.018	0	371.724
Stage6	-16.85	340.084	158.954	UL-RL	0.165	10.98	275.2	218.916	0.018	0	377.87
Stage6	-17.25	346.411	161.027	UL-RL	0.165	10.98	275.2	222.989	0.018	0	384.016
Stage6	-17.65	352.738	163.101	UL-RL	0.165	10.98	275.2	227.062	0.018	0	390.163
Stage6	-18.05	359.065	165.176	UL-RL	0.165	10.98	275.2	231.135	0.018	0	396.31
Stage6	-18.45	365.392	167.25	UL-RL	0.165	10.98	275.2	235.208	0.018	0	402.458
Stage6	-18.85	371.719	169.325	UL-RL	0.165	10.98	275.2	239.28	0.018	0	408.606
Stage6	-19.25	378.046	171.401	UL-RL	0.165	10.98	275.2	243.353	0.018	0	414.754
Stage6	-19.65	384.374	173.477	UL-RL	0.165	10.98	275.2	247.426	0.018	0	420.903
Stage6	-20.05	390.701	175.553	UL-RL	0.165	10.98	275.2	251.499	0.018	0	427.052
Stage6	-20.45	397.028	177.63	UL-RL	0.165	10.98	275.2	255.572	0.018	0	433.202
Stage6	-20.85	403.355	179.707	UL-RL	0.165	10.98	275.2	259.645	0.018	0	439.352
Stage6	-21.25	409.682	181.785	UL-RL	0.165	10.98	275.2	263.718	0.018	0	445.503
Stage6	-21.65	416.009	183.863	UL-RL	0.165	10.98	275.2	267.79	0.018	0	451.654
Stage6	-22.05	422.336	185.942	UL-RL	0.165	10.98	275.2	271.863	0.018	0	457.805
Stage6	-22.3	426.291	187.241	UL-RL	0.165	10.98	275.2	274.409	0.018	0	461.65

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage6	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage6	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage6	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage6	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage6	13.75	56.284	13.287	UL-RL	0.433	2.529	11.2	0	0	13.287
Stage6	13.35	65.127	17.999	UL-RL	0.433	2.529	11.2	0	0	17.999
Stage6	12.95	73.766	22.514	UL-RL	0.433	2.529	11.2	0	0	22.514
Stage6	12.55	82.268	26.757	UL-RL	0.433	2.529	11.2	0	0	26.757
Stage6	12.15	89.411	30.051	UL-RL	0.433	2.529	11.2	0	0	30.051
Stage6	11.75	97.007	32.983	UL-RL	0.433	2.529	11.2	0	0	32.983
Stage6	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage6	10.95	112.808	36.411	UL-RL	0.433	2.529	11.2	0	0	36.411
Stage6	10.55	120.733	38.277	UL-RL	0.433	2.529	11.2	0	0	38.277
Stage6	10.15	128.669	40.974	ACTIVE	0.433	2.529	11.2	0	0	40.974
Stage6	9.95	133.044	42.868	ACTIVE	0.433	2.529	11.2	0	0	42.868
Stage6	9.55	140.969	46.3	ACTIVE	0.433	2.529	11.2	0	0	46.3
Stage6	9.15	148.903	49.735	ACTIVE	0.433	2.529	11.2	0	0	49.735
Stage6	8.75	157.146	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	8.35	167.495	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage6	7.95	177.849	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	7.55	188.208	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	7.15	198.572	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	6.75	208.938	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	6.35	219.308	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	5.95	229.68	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage6	5.55	239.537	0	ACTIVE	0.165	10.98	275.2	0.982	0.018	0.982
Stage6	5.15	245.97	0	ACTIVE	0.165	10.98	275.2	4.909	0.018	4.909
Stage6	4.75	252.406	0	ACTIVE	0.165	10.98	275.2	8.836	0.018	8.836
Stage6	4.35	258.844	1.069	UL-RL	0.165	10.98	275.2	12.763	0.018	13.832
Stage6	3.95	265.285	35.296	UL-RL	0.165	10.98	275.2	16.69	0.018	51.986
Stage6	3.55	271.728	47.65	UL-RL	0.165	10.98	275.2	20.617	0.018	68.268
Stage6	3.15	278.172	49.805	UL-RL	0.165	10.98	275.2	24.545	0.018	74.349
Stage6	2.75	284.619	49.289	UL-RL	0.165	10.98	275.2	28.472	0.018	77.761
Stage6	2.35	291.067	49.33	UL-RL	0.165	10.98	275.2	32.399	0.018	81.729
Stage6	1.95	297.517	50.587	UL-RL	0.165	10.98	275.2	36.326	0.018	86.913
Stage6	1.55	303.968	52.717	UL-RL	0.165	10.98	275.2	40.253	0.018	92.97
Stage6	1.15	310.42	55.238	UL-RL	0.165	10.98	275.2	44.18	0.018	99.418
Stage6	0.75	317.19	57.831	UL-RL	0.165	10.98	275.2	48.107	0.018	105.939
Stage6	0.35	323.637	60.363	UL-RL	0.165	10.98	275.2	52.035	0.018	112.398
Stage6	-0.05	330.085	62.81	UL-RL	0.165	10.98	275.2	55.962	0.018	118.772
Stage6	-0.45	336.534	65.191	UL-RL	0.165	10.98	275.2	59.889	0.018	125.08
Stage6	-0.85	342.984	67.533	UL-RL	0.165	10.98	275.2	63.816	0.018	131.349
Stage6	-1.25	349.435	69.851	UL-RL	0.165	10.98	275.2	67.743	0.018	137.594
Stage6	-1.45	352.799	71.005	UL-RL	0.165	10.98	275.2	69.707	0.018	140.712
Stage6	-1.85	359.249	73.305	UL-RL	0.165	10.98	275.2	73.634	0.018	146.939
Stage6	-2.25	365.7	75.596	UL-RL	0.165	10.98	275.2	77.561	0.018	153.157
Stage6	-2.65	372.151	77.878	UL-RL	0.165	10.98	275.2	81.488	0.018	159.366
Stage6	-3.05	378.604	80.152	UL-RL	0.165	10.98	275.2	85.415	0.018	165.567
Stage6	-3.45	385.057	82.418	UL-RL	0.165	10.98	275.2	89.342	0.018	171.76
Stage6	-3.85	391.512	84.678	UL-RL	0.165	10.98	275.2	93.27	0.018	177.947
Stage6	-4.25	397.967	86.931	UL-RL	0.165	10.98	275.2	97.197	0.018	184.128
Stage6	-4.65	404.422	89.18	UL-RL	0.165	10.98	275.2	101.124	0.018	190.304
Stage6	-5.05	410.879	91.424	UL-RL	0.165	10.98	275.2	105.051	0.018	196.475
Stage6	-5.45	417.336	93.665	UL-RL	0.165	10.98	275.2	108.978	0.018	202.643

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato		Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage6	-5.85	423.793	95.902	UL-RL	0.165	10.98	275.2	112.905	0.018	0	208.807
Stage6	-6.25	430.468	98.136	UL-RL	0.165	10.98	275.2	116.832	0.018	0	214.968
Stage6	-6.45	433.588	99.252	UL-RL	0.165	10.98	275.2	118.796	0.018	0	218.048
Stage6	-6.85	440.045	101.482	UL-RL	0.165	10.98	275.2	122.723	0.018	0	224.205
Stage6	-7.25	446.503	103.71	UL-RL	0.165	10.98	275.2	126.65	0.018	0	230.36
Stage6	-7.65	452.961	105.936	UL-RL	0.165	10.98	275.2	130.577	0.018	0	236.514
Stage6	-8.05	459.42	108.161	UL-RL	0.165	10.98	275.2	134.504	0.018	0	242.665
Stage6	-8.45	466.076	110.384	UL-RL	0.165	10.98	275.2	138.432	0.018	0	248.816
Stage6	-8.85	472.532	112.606	UL-RL	0.165	10.98	275.2	142.359	0.018	0	254.965
Stage6	-9.25	478.989	114.827	UL-RL	0.165	10.98	275.2	146.286	0.018	0	261.113
Stage6	-9.65	485.447	117.047	UL-RL	0.165	10.98	275.2	150.213	0.018	0	267.26
Stage6	-10.05	491.905	119.266	UL-RL	0.165	10.98	275.2	154.14	0.018	0	273.407
Stage6	-10.45	498.363	121.485	UL-RL	0.165	10.98	275.2	158.067	0.018	0	279.552
Stage6	-10.85	504.822	123.703	UL-RL	0.165	10.98	275.2	161.994	0.018	0	285.698
Stage6	-11.25	511.281	125.921	UL-RL	0.165	10.98	275.2	165.922	0.018	0	291.843
Stage6	-11.65	517.741	128.139	UL-RL	0.165	10.98	275.2	169.849	0.018	0	297.987
Stage6	-12.05	524.201	130.356	UL-RL	0.165	10.98	275.2	173.776	0.018	0	304.132
Stage6	-12.45	530.661	132.573	UL-RL	0.165	10.98	275.2	177.703	0.018	0	310.276
Stage6	-12.85	537.122	134.79	UL-RL	0.165	10.98	275.2	181.63	0.018	0	316.42
Stage6	-13.25	543.748	137.007	UL-RL	0.165	10.98	275.2	185.557	0.018	0	322.565
Stage6	-13.65	550.206	139.224	UL-RL	0.165	10.98	275.2	189.484	0.018	0	328.709
Stage6	-14.05	556.666	141.442	UL-RL	0.165	10.98	275.2	193.412	0.018	0	334.853
Stage6	-14.45	563.126	143.659	UL-RL	0.165	10.98	275.2	197.339	0.018	0	340.998
Stage6	-14.85	569.586	145.877	UL-RL	0.165	10.98	275.2	201.266	0.018	0	347.142
Stage6	-15.25	576.047	148.094	UL-RL	0.165	10.98	275.2	205.193	0.018	0	353.287
Stage6	-15.65	582.508	150.312	UL-RL	0.165	10.98	275.2	209.12	0.018	0	359.433
Stage6	-16.05	588.969	152.531	UL-RL	0.165	10.98	275.2	213.047	0.018	0	365.578
Stage6	-16.45	595.43	154.749	UL-RL	0.165	10.98	275.2	216.974	0.018	0	371.724
Stage6	-16.85	601.892	156.968	UL-RL	0.165	10.98	275.2	220.902	0.018	0	377.87
Stage6	-17.25	608.354	159.188	UL-RL	0.165	10.98	275.2	224.829	0.018	0	384.016
Stage6	-17.65	614.816	161.407	UL-RL	0.165	10.98	275.2	228.756	0.018	0	390.163
Stage6	-18.05	621.42	163.627	UL-RL	0.165	10.98	275.2	232.683	0.018	0	396.31
Stage6	-18.45	627.882	165.848	UL-RL	0.165	10.98	275.2	236.61	0.018	0	402.458
Stage6	-18.85	634.343	168.068	UL-RL	0.165	10.98	275.2	240.537	0.018	0	408.606
Stage6	-19.25	640.805	170.29	UL-RL	0.165	10.98	275.2	244.464	0.018	0	414.754
Stage6	-19.65	647.267	172.512	UL-RL	0.165	10.98	275.2	248.392	0.018	0	420.903
Stage6	-20.05	653.729	174.734	UL-RL	0.165	10.98	275.2	252.319	0.018	0	427.052
Stage6	-20.45	660.191	176.956	UL-RL	0.165	10.98	275.2	256.246	0.018	0	433.202
Stage6	-20.85	666.654	179.179	UL-RL	0.165	10.98	275.2	260.173	0.018	0	439.352
Stage6	-21.25	673.117	181.402	UL-RL	0.165	10.98	275.2	264.1	0.018	0	445.502
Stage6	-21.65	679.58	183.626	UL-RL	0.165	10.98	275.2	268.027	0.018	0	451.654
Stage6	-22.05	686.043	185.851	UL-RL	0.165	10.98	275.2	271.954	0.018	0	457.805
Stage6	-22.3	690.13	187.242	UL-RL	0.165	10.98	275.2	274.409	0.018	0	461.651

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage7

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage7	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage7	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage7	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage7	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage7	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Stage7	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Stage7	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Stage7	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Stage7	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Stage7	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Stage7	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage7	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Stage7	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Stage7	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage7	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage7	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage7	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Stage7	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Stage7	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Stage7	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Stage7	7.55	188.208	0.64	UL-RL	0.165	10.98	275.2	0	0	0.64
Stage7	7.15	198.572	1.111	UL-RL	0.165	10.98	275.2	0	0	1.111
Stage7	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Stage7	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Stage7	5.95	229.68	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.55	240.519	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.15	250.879	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.75	261.242	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.35	271.607	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.55	292.345	3.5	UL-RL	0.165	10.98	275.2	0	0	3.5
Stage7	3.15	302.717	5.263	UL-RL	0.165	10.98	275.2	0	0	5.263
Stage7	2.75	313.091	2.739	UL-RL	0.165	10.98	275.2	0	0	2.739
Stage7	2.35	323.466	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.95	333.843	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.55	344.221	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.15	354.6	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.75	365.298	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.35	375.671	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.05	386.046	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.45	396.423	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.85	406.8	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-1.25	414.25	0	ACTIVE	0.165	10.98	275.2	2.928	0.024	2.928
Stage7	-1.45	417.626	0.117	UL-RL	0.165	10.98	275.2	4.88	0.024	4.997
Stage7	-1.85	424.099	14.818	UL-RL	0.165	10.98	275.2	8.784	0.024	23.602
Stage7	-2.25	430.572	32.022	UL-RL	0.165	10.98	275.2	12.688	0.024	44.711
Stage7	-2.65	437.047	46.451	UL-RL	0.165	10.98	275.2	16.592	0.024	63.043
Stage7	-3.05	443.523	56.209	UL-RL	0.165	10.98	275.2	20.496	0.024	76.706
Stage7	-3.45	449.999	62.191	UL-RL	0.165	10.98	275.2	24.4	0.024	86.592
Stage7	-3.85	456.477	65.946	UL-RL	0.165	10.98	275.2	28.305	0.024	94.251
Stage7	-4.25	462.955	68.717	UL-RL	0.165	10.98	275.2	32.209	0.024	100.926

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	-4.65	469.434	71.219	UL-RL	0.165	10.98	275.2	36.113	0.024	0	107.332
Stage7	-5.05	475.913	73.753	UL-RL	0.165	10.98	275.2	40.017	0.024	0	113.77
Stage7	-5.45	482.393	76.38	UL-RL	0.165	10.98	275.2	43.921	0.024	0	120.301
Stage7	-5.85	488.874	79.068	UL-RL	0.165	10.98	275.2	47.825	0.024	0	126.893
Stage7	-6.25	495.571	81.767	UL-RL	0.165	10.98	275.2	51.729	0.024	0	133.496
Stage7	-6.45	498.703	83.109	UL-RL	0.165	10.98	275.2	53.681	0.024	0	136.79
Stage7	-6.85	505.183	85.765	UL-RL	0.165	10.98	275.2	57.585	0.024	0	143.35
Stage7	-7.25	511.664	88.38	UL-RL	0.165	10.98	275.2	61.489	0.024	0	149.87
Stage7	-7.65	518.145	90.957	UL-RL	0.165	10.98	275.2	65.393	0.024	0	156.35
Stage7	-8.05	524.627	93.5	UL-RL	0.165	10.98	275.2	69.297	0.024	0	162.797
Stage7	-8.45	531.306	96.016	UL-RL	0.165	10.98	275.2	73.201	0.024	0	169.218
Stage7	-8.85	537.786	98.511	UL-RL	0.165	10.98	275.2	77.106	0.024	0	175.616
Stage7	-9.25	544.266	100.986	UL-RL	0.165	10.98	275.2	81.01	0.024	0	181.996
Stage7	-9.65	550.746	103.446	UL-RL	0.165	10.98	275.2	84.914	0.024	0	188.36
Stage7	-10.05	557.227	105.892	UL-RL	0.165	10.98	275.2	88.818	0.024	0	194.71
Stage7	-10.45	563.709	108.325	UL-RL	0.165	10.98	275.2	92.722	0.024	0	201.047
Stage7	-10.85	570.19	110.746	UL-RL	0.165	10.98	275.2	96.626	0.024	0	207.372
Stage7	-11.25	576.673	113.157	UL-RL	0.165	10.98	275.2	100.53	0.024	0	213.687
Stage7	-11.65	583.156	115.558	UL-RL	0.165	10.98	275.2	104.434	0.024	0	219.992
Stage7	-12.05	589.638	117.95	UL-RL	0.165	10.98	275.2	108.338	0.024	0	226.288
Stage7	-12.45	596.122	120.335	UL-RL	0.165	10.98	275.2	112.242	0.024	0	232.577
Stage7	-12.85	602.606	122.712	UL-RL	0.165	10.98	275.2	116.146	0.024	0	238.858
Stage7	-13.25	609.254	125.083	UL-RL	0.165	10.98	275.2	120.05	0.024	0	245.133
Stage7	-13.65	615.737	127.448	UL-RL	0.165	10.98	275.2	123.954	0.024	0	251.402
Stage7	-14.05	622.219	129.807	UL-RL	0.165	10.98	275.2	127.858	0.024	0	257.665
Stage7	-14.45	628.702	132.161	UL-RL	0.165	10.98	275.2	131.762	0.024	0	263.924
Stage7	-14.85	635.186	134.511	UL-RL	0.165	10.98	275.2	135.667	0.024	0	270.177
Stage7	-15.25	641.669	136.856	UL-RL	0.165	10.98	275.2	139.571	0.024	0	276.427
Stage7	-15.65	648.153	139.198	UL-RL	0.165	10.98	275.2	143.475	0.024	0	282.672
Stage7	-16.05	654.638	141.536	UL-RL	0.165	10.98	275.2	147.379	0.024	0	288.914
Stage7	-16.45	661.122	143.87	UL-RL	0.165	10.98	275.2	151.283	0.024	0	295.153
Stage7	-16.85	667.607	146.202	UL-RL	0.165	10.98	275.2	155.187	0.024	0	301.389
Stage7	-17.25	674.092	148.53	UL-RL	0.165	10.98	275.2	159.091	0.024	0	307.621
Stage7	-17.65	680.577	150.856	UL-RL	0.165	10.98	275.2	162.995	0.024	0	313.851
Stage7	-18.05	687.204	153.18	UL-RL	0.165	10.98	275.2	166.899	0.024	0	320.079
Stage7	-18.45	693.688	155.501	UL-RL	0.165	10.98	275.2	170.803	0.024	0	326.304
Stage7	-18.85	700.173	157.82	UL-RL	0.165	10.98	275.2	174.707	0.024	0	332.527
Stage7	-19.25	706.658	160.137	UL-RL	0.165	10.98	275.2	178.611	0.024	0	338.748
Stage7	-19.65	713.143	162.452	UL-RL	0.165	10.98	275.2	182.516	0.024	0	344.968
Stage7	-20.05	719.628	164.766	UL-RL	0.165	10.98	275.2	186.42	0.024	0	351.185
Stage7	-20.45	726.113	167.078	UL-RL	0.165	10.98	275.2	190.324	0.024	0	357.401
Stage7	-20.85	732.599	169.388	UL-RL	0.165	10.98	275.2	194.228	0.024	0	363.616
Stage7	-21.25	739.085	171.697	UL-RL	0.165	10.98	275.2	198.132	0.024	0	369.829
Stage7	-21.65	745.571	174.005	UL-RL	0.165	10.98	275.2	202.036	0.024	0	376.041
Stage7	-22.05	752.057	176.313	UL-RL	0.165	10.98	275.2	205.94	0.024	0	382.253
Stage7	-22.3	756.159	177.756	UL-RL	0.165	10.98	275.2	208.38	0.024	0	386.136

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-2.25	4.728	63.989	UL-RL	0.165	10.98	275.2	3.072	0.024	0	67.061
Stage7	-2.65	11.032	65.384	UL-RL	0.165	10.98	275.2	7.168	0.024	0	72.551
Stage7	-3.05	17.336	67.104	UL-RL	0.165	10.98	275.2	11.264	0.024	0	78.368
Stage7	-3.45	23.64	69.643	UL-RL	0.165	10.98	275.2	15.36	0.024	0	85.003
Stage7	-3.85	29.944	72.662	UL-RL	0.165	10.98	275.2	19.456	0.024	0	92.118
Stage7	-4.25	36.248	75.798	UL-RL	0.165	10.98	275.2	23.552	0.024	0	99.349
Stage7	-4.65	42.553	78.839	UL-RL	0.165	10.98	275.2	27.647	0.024	0	106.487
Stage7	-5.05	48.857	81.714	UL-RL	0.165	10.98	275.2	31.743	0.024	0	113.458
Stage7	-5.45	55.161	84.432	UL-RL	0.165	10.98	275.2	35.839	0.024	0	120.271

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	Ka	Kp	RIGHT	Coazione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	-5.85	61.465	87.028	UL-RL	UL-RL	0.165	10.98	275.2	39.935	0.024	0	126.964	
Stage7	-6.25	67.769	89.541	UL-RL	UL-RL	0.165	10.98	275.2	44.031	0.024	0	133.572	
Stage7	-6.45	70.921	90.775	UL-RL	UL-RL	0.165	10.98	275.2	46.079	0.024	0	136.854	
Stage7	-6.85	77.225	93.21	UL-RL	UL-RL	0.165	10.98	275.2	50.175	0.024	0	143.385	
Stage7	-7.25	83.529	95.611	UL-RL	UL-RL	0.165	10.98	275.2	54.271	0.024	0	149.882	
Stage7	-7.65	89.833	97.982	UL-RL	UL-RL	0.165	10.98	275.2	58.367	0.024	0	156.349	
Stage7	-8.05	96.137	100.329	UL-RL	UL-RL	0.165	10.98	275.2	62.463	0.024	0	162.792	
Stage7	-8.45	102.441	102.654	UL-RL	UL-RL	0.165	10.98	275.2	66.559	0.024	0	169.212	
Stage7	-8.85	108.745	104.958	UL-RL	UL-RL	0.165	10.98	275.2	70.655	0.024	0	175.612	
Stage7	-9.25	115.049	107.243	UL-RL	UL-RL	0.165	10.98	275.2	74.751	0.024	0	181.994	
Stage7	-9.65	121.354	109.512	UL-RL	UL-RL	0.165	10.98	275.2	78.847	0.024	0	188.359	
Stage7	-10.05	127.658	111.767	UL-RL	UL-RL	0.165	10.98	275.2	82.942	0.024	0	194.709	
Stage7	-10.45	133.962	114.008	UL-RL	UL-RL	0.165	10.98	275.2	87.038	0.024	0	201.046	
Stage7	-10.85	140.266	116.237	UL-RL	UL-RL	0.165	10.98	275.2	91.134	0.024	0	207.372	
Stage7	-11.25	146.57	118.456	UL-RL	UL-RL	0.165	10.98	275.2	95.23	0.024	0	213.686	
Stage7	-11.65	152.874	120.665	UL-RL	UL-RL	0.165	10.98	275.2	99.326	0.024	0	219.991	
Stage7	-12.05	159.178	122.866	UL-RL	UL-RL	0.165	10.98	275.2	103.422	0.024	0	226.288	
Stage7	-12.45	165.482	125.059	UL-RL	UL-RL	0.165	10.98	275.2	107.518	0.024	0	232.577	
Stage7	-12.85	171.786	127.244	UL-RL	UL-RL	0.165	10.98	275.2	111.614	0.024	0	238.858	
Stage7	-13.25	178.09	129.423	UL-RL	UL-RL	0.165	10.98	275.2	115.71	0.024	0	245.133	
Stage7	-13.65	184.394	131.596	UL-RL	UL-RL	0.165	10.98	275.2	119.806	0.024	0	251.402	
Stage7	-14.05	190.698	133.764	UL-RL	UL-RL	0.165	10.98	275.2	123.902	0.024	0	257.665	
Stage7	-14.45	197.002	135.926	UL-RL	UL-RL	0.165	10.98	275.2	127.998	0.024	0	263.924	
Stage7	-14.85	203.306	138.084	UL-RL	UL-RL	0.165	10.98	275.2	132.093	0.024	0	270.177	
Stage7	-15.25	209.61	140.238	UL-RL	UL-RL	0.165	10.98	275.2	136.189	0.024	0	276.427	
Stage7	-15.65	215.914	142.387	UL-RL	UL-RL	0.165	10.98	275.2	140.285	0.024	0	282.672	
Stage7	-16.05	222.219	144.533	UL-RL	UL-RL	0.165	10.98	275.2	144.381	0.024	0	288.914	
Stage7	-16.45	228.523	146.676	UL-RL	UL-RL	0.165	10.98	275.2	148.477	0.024	0	295.153	
Stage7	-16.85	234.827	148.816	UL-RL	UL-RL	0.165	10.98	275.2	152.573	0.024	0	301.388	
Stage7	-17.25	241.131	150.952	UL-RL	UL-RL	0.165	10.98	275.2	156.669	0.024	0	307.621	
Stage7	-17.65	247.435	153.086	UL-RL	UL-RL	0.165	10.98	275.2	160.765	0.024	0	313.851	
Stage7	-18.05	253.739	155.218	UL-RL	UL-RL	0.165	10.98	275.2	164.861	0.024	0	320.079	
Stage7	-18.45	260.043	157.347	UL-RL	UL-RL	0.165	10.98	275.2	168.957	0.024	0	326.304	
Stage7	-18.85	266.347	159.474	UL-RL	UL-RL	0.165	10.98	275.2	173.053	0.024	0	332.527	
Stage7	-19.25	272.651	161.6	UL-RL	UL-RL	0.165	10.98	275.2	177.149	0.024	0	338.748	
Stage7	-19.65	278.955	163.723	UL-RL	UL-RL	0.165	10.98	275.2	181.244	0.024	0	344.968	
Stage7	-20.05	285.259	165.845	UL-RL	UL-RL	0.165	10.98	275.2	185.34	0.024	0	351.185	
Stage7	-20.45	291.563	167.965	UL-RL	UL-RL	0.165	10.98	275.2	189.436	0.024	0	357.402	
Stage7	-20.85	297.868	170.084	UL-RL	UL-RL	0.165	10.98	275.2	193.532	0.024	0	363.616	
Stage7	-21.25	304.172	172.201	UL-RL	UL-RL	0.165	10.98	275.2	197.628	0.024	0	369.83	
Stage7	-21.65	310.476	174.317	UL-RL	UL-RL	0.165	10.98	275.2	201.724	0.024	0	376.041	
Stage7	-22.05	316.78	176.431	UL-RL	UL-RL	0.165	10.98	275.2	205.82	0.024	0	382.251	
Stage7	-22.3	320.72	177.752	UL-RL	UL-RL	0.165	10.98	275.2	208.38	0.024	0	386.132	

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Tabella Risultati Terreno Rightwall - Nominal - Stage7

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage7	-2.25	4.728	63.989	UL-RL	0.165	10.98	275.2	3.072	0.024	0	67.061
Stage7	-2.65	11.032	65.384	UL-RL	0.165	10.98	275.2	7.168	0.024	0	72.551
Stage7	-3.05	17.336	67.104	UL-RL	0.165	10.98	275.2	11.264	0.024	0	78.368
Stage7	-3.45	23.64	69.643	UL-RL	0.165	10.98	275.2	15.36	0.024	0	85.003
Stage7	-3.85	29.944	72.662	UL-RL	0.165	10.98	275.2	19.456	0.024	0	92.118
Stage7	-4.25	36.248	75.798	UL-RL	0.165	10.98	275.2	23.552	0.024	0	99.349

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT	Stato	Lato	LEFT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	-4.65	42.553	78.839	UL-RL	UL-RL	0.165	10.98	275.2	27.647	0.024	0	106.487	
Stage7	-5.05	48.857	81.714	UL-RL	UL-RL	0.165	10.98	275.2	31.743	0.024	0	113.458	
Stage7	-5.45	55.161	84.432	UL-RL	UL-RL	0.165	10.98	275.2	35.839	0.024	0	120.271	
Stage7	-5.85	61.465	87.028	UL-RL	UL-RL	0.165	10.98	275.2	39.935	0.024	0	126.964	
Stage7	-6.25	67.769	89.541	UL-RL	UL-RL	0.165	10.98	275.2	44.031	0.024	0	133.572	
Stage7	-6.45	70.921	90.775	UL-RL	UL-RL	0.165	10.98	275.2	46.079	0.024	0	136.854	
Stage7	-6.85	77.225	93.21	UL-RL	UL-RL	0.165	10.98	275.2	50.175	0.024	0	143.385	
Stage7	-7.25	83.529	95.611	UL-RL	UL-RL	0.165	10.98	275.2	54.271	0.024	0	149.882	
Stage7	-7.65	89.833	97.982	UL-RL	UL-RL	0.165	10.98	275.2	58.367	0.024	0	156.349	
Stage7	-8.05	96.137	100.329	UL-RL	UL-RL	0.165	10.98	275.2	62.463	0.024	0	162.792	
Stage7	-8.45	102.441	102.654	UL-RL	UL-RL	0.165	10.98	275.2	66.559	0.024	0	169.212	
Stage7	-8.85	108.745	104.958	UL-RL	UL-RL	0.165	10.98	275.2	70.655	0.024	0	175.612	
Stage7	-9.25	115.049	107.243	UL-RL	UL-RL	0.165	10.98	275.2	74.751	0.024	0	181.994	
Stage7	-9.65	121.354	109.512	UL-RL	UL-RL	0.165	10.98	275.2	78.847	0.024	0	188.359	
Stage7	-10.05	127.658	111.767	UL-RL	UL-RL	0.165	10.98	275.2	82.942	0.024	0	194.709	
Stage7	-10.45	133.962	114.008	UL-RL	UL-RL	0.165	10.98	275.2	87.038	0.024	0	201.046	
Stage7	-10.85	140.266	116.237	UL-RL	UL-RL	0.165	10.98	275.2	91.134	0.024	0	207.372	
Stage7	-11.25	146.57	118.456	UL-RL	UL-RL	0.165	10.98	275.2	95.23	0.024	0	213.686	
Stage7	-11.65	152.874	120.665	UL-RL	UL-RL	0.165	10.98	275.2	99.326	0.024	0	219.991	
Stage7	-12.05	159.178	122.866	UL-RL	UL-RL	0.165	10.98	275.2	103.422	0.024	0	226.288	
Stage7	-12.45	165.482	125.059	UL-RL	UL-RL	0.165	10.98	275.2	107.518	0.024	0	232.577	
Stage7	-12.85	171.786	127.244	UL-RL	UL-RL	0.165	10.98	275.2	111.614	0.024	0	238.858	
Stage7	-13.25	178.09	129.423	UL-RL	UL-RL	0.165	10.98	275.2	115.71	0.024	0	245.133	
Stage7	-13.65	184.394	131.596	UL-RL	UL-RL	0.165	10.98	275.2	119.806	0.024	0	251.402	
Stage7	-14.05	190.698	133.764	UL-RL	UL-RL	0.165	10.98	275.2	123.902	0.024	0	257.665	
Stage7	-14.45	197.002	135.926	UL-RL	UL-RL	0.165	10.98	275.2	127.998	0.024	0	263.924	
Stage7	-14.85	203.306	138.084	UL-RL	UL-RL	0.165	10.98	275.2	132.093	0.024	0	270.177	
Stage7	-15.25	209.61	140.238	UL-RL	UL-RL	0.165	10.98	275.2	136.189	0.024	0	276.427	
Stage7	-15.65	215.914	142.387	UL-RL	UL-RL	0.165	10.98	275.2	140.285	0.024	0	282.672	
Stage7	-16.05	222.219	144.533	UL-RL	UL-RL	0.165	10.98	275.2	144.381	0.024	0	288.914	
Stage7	-16.45	228.523	146.676	UL-RL	UL-RL	0.165	10.98	275.2	148.477	0.024	0	295.153	
Stage7	-16.85	234.827	148.816	UL-RL	UL-RL	0.165	10.98	275.2	152.573	0.024	0	301.388	
Stage7	-17.25	241.131	150.952	UL-RL	UL-RL	0.165	10.98	275.2	156.669	0.024	0	307.621	
Stage7	-17.65	247.435	153.086	UL-RL	UL-RL	0.165	10.98	275.2	160.765	0.024	0	313.851	
Stage7	-18.05	253.739	155.218	UL-RL	UL-RL	0.165	10.98	275.2	164.861	0.024	0	320.079	
Stage7	-18.45	260.043	157.347	UL-RL	UL-RL	0.165	10.98	275.2	168.957	0.024	0	326.304	
Stage7	-18.85	266.347	159.474	UL-RL	UL-RL	0.165	10.98	275.2	173.053	0.024	0	332.527	
Stage7	-19.25	272.651	161.6	UL-RL	UL-RL	0.165	10.98	275.2	177.149	0.024	0	338.748	
Stage7	-19.65	278.955	163.723	UL-RL	UL-RL	0.165	10.98	275.2	181.244	0.024	0	344.968	
Stage7	-20.05	285.259	165.845	UL-RL	UL-RL	0.165	10.98	275.2	185.34	0.024	0	351.185	
Stage7	-20.45	291.563	167.965	UL-RL	UL-RL	0.165	10.98	275.2	189.436	0.024	0	357.402	
Stage7	-20.85	297.868	170.084	UL-RL	UL-RL	0.165	10.98	275.2	193.532	0.024	0	363.616	
Stage7	-21.25	304.172	172.201	UL-RL	UL-RL	0.165	10.98	275.2	197.628	0.024	0	369.83	
Stage7	-21.65	310.476	174.317	UL-RL	UL-RL	0.165	10.98	275.2	201.724	0.024	0	376.041	
Stage7	-22.05	316.78	176.431	UL-RL	UL-RL	0.165	10.98	275.2	205.82	0.024	0	382.251	
Stage7	-22.3	320.72	177.752	UL-RL	UL-RL	0.165	10.98	275.2	208.38	0.024	0	386.132	

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Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage7	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage7	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage7	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage7	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage7	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage7	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Stage7	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Stage7	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Stage7	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Stage7	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Stage7	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Stage7	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage7	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Stage7	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Stage7	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage7	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage7	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage7	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Stage7	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Stage7	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Stage7	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Stage7	7.55	188.208	0.64	UL-RL	0.165	10.98	275.2	0	0	0.64
Stage7	7.15	198.572	1.111	UL-RL	0.165	10.98	275.2	0	0	1.111
Stage7	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Stage7	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Stage7	5.95	229.68	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.55	240.519	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	5.15	250.879	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.75	261.242	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	4.35	271.607	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	3.55	292.345	3.5	UL-RL	0.165	10.98	275.2	0	0	3.5
Stage7	3.15	302.717	5.263	UL-RL	0.165	10.98	275.2	0	0	5.263
Stage7	2.75	313.091	2.739	UL-RL	0.165	10.98	275.2	0	0	2.739
Stage7	2.35	323.466	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.95	333.843	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.55	344.221	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	1.15	354.6	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.75	365.298	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	0.35	375.671	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.05	386.046	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.45	396.423	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-0.85	406.8	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage7	-1.25	414.25	0	ACTIVE	0.165	10.98	275.2	2.928	0.024	2.928
Stage7	-1.45	417.626	0.117	UL-RL	0.165	10.98	275.2	4.88	0.024	4.997
Stage7	-1.85	424.099	14.818	UL-RL	0.165	10.98	275.2	8.784	0.024	23.602
Stage7	-2.25	430.572	32.022	UL-RL	0.165	10.98	275.2	12.688	0.024	44.711
Stage7	-2.65	437.047	46.451	UL-RL	0.165	10.98	275.2	16.592	0.024	63.043
Stage7	-3.05	443.523	56.209	UL-RL	0.165	10.98	275.2	20.496	0.024	76.706
Stage7	-3.45	449.999	62.191	UL-RL	0.165	10.98	275.2	24.4	0.024	86.592
Stage7	-3.85	456.477	65.946	UL-RL	0.165	10.98	275.2	28.305	0.024	94.251
Stage7	-4.25	462.955	68.717	UL-RL	0.165	10.98	275.2	32.209	0.024	100.926
Stage7	-4.65	469.434	71.219	UL-RL	0.165	10.98	275.2	36.113	0.024	107.332
Stage7	-5.05	475.913	73.753	UL-RL	0.165	10.98	275.2	40.017	0.024	113.77
Stage7	-5.45	482.393	76.38	UL-RL	0.165	10.98	275.2	43.921	0.024	120.301

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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		RIGHT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage7	-5.85	488.874	79.068	UL-RL	0.165	10.98	275.2	47.825	0.024	0	126.893
Stage7	-6.25	495.571	81.767	UL-RL	0.165	10.98	275.2	51.729	0.024	0	133.496
Stage7	-6.45	498.703	83.109	UL-RL	0.165	10.98	275.2	53.681	0.024	0	136.79
Stage7	-6.85	505.183	85.765	UL-RL	0.165	10.98	275.2	57.585	0.024	0	143.35
Stage7	-7.25	511.664	88.38	UL-RL	0.165	10.98	275.2	61.489	0.024	0	149.87
Stage7	-7.65	518.145	90.957	UL-RL	0.165	10.98	275.2	65.393	0.024	0	156.35
Stage7	-8.05	524.627	93.5	UL-RL	0.165	10.98	275.2	69.297	0.024	0	162.797
Stage7	-8.45	531.306	96.016	UL-RL	0.165	10.98	275.2	73.201	0.024	0	169.218
Stage7	-8.85	537.786	98.511	UL-RL	0.165	10.98	275.2	77.106	0.024	0	175.616
Stage7	-9.25	544.266	100.986	UL-RL	0.165	10.98	275.2	81.01	0.024	0	181.996
Stage7	-9.65	550.746	103.446	UL-RL	0.165	10.98	275.2	84.914	0.024	0	188.36
Stage7	-10.05	557.227	105.892	UL-RL	0.165	10.98	275.2	88.818	0.024	0	194.71
Stage7	-10.45	563.709	108.325	UL-RL	0.165	10.98	275.2	92.722	0.024	0	201.047
Stage7	-10.85	570.19	110.746	UL-RL	0.165	10.98	275.2	96.626	0.024	0	207.372
Stage7	-11.25	576.673	113.157	UL-RL	0.165	10.98	275.2	100.53	0.024	0	213.687
Stage7	-11.65	583.156	115.558	UL-RL	0.165	10.98	275.2	104.434	0.024	0	219.992
Stage7	-12.05	589.638	117.95	UL-RL	0.165	10.98	275.2	108.338	0.024	0	226.288
Stage7	-12.45	596.122	120.335	UL-RL	0.165	10.98	275.2	112.242	0.024	0	232.577
Stage7	-12.85	602.606	122.712	UL-RL	0.165	10.98	275.2	116.146	0.024	0	238.858
Stage7	-13.25	609.254	125.083	UL-RL	0.165	10.98	275.2	120.05	0.024	0	245.133
Stage7	-13.65	615.737	127.448	UL-RL	0.165	10.98	275.2	123.954	0.024	0	251.402
Stage7	-14.05	622.219	129.807	UL-RL	0.165	10.98	275.2	127.858	0.024	0	257.665
Stage7	-14.45	628.702	132.161	UL-RL	0.165	10.98	275.2	131.762	0.024	0	263.924
Stage7	-14.85	635.186	134.511	UL-RL	0.165	10.98	275.2	135.667	0.024	0	270.177
Stage7	-15.25	641.669	136.856	UL-RL	0.165	10.98	275.2	139.571	0.024	0	276.427
Stage7	-15.65	648.153	139.198	UL-RL	0.165	10.98	275.2	143.475	0.024	0	282.672
Stage7	-16.05	654.638	141.536	UL-RL	0.165	10.98	275.2	147.379	0.024	0	288.914
Stage7	-16.45	661.122	143.87	UL-RL	0.165	10.98	275.2	151.283	0.024	0	295.153
Stage7	-16.85	667.607	146.202	UL-RL	0.165	10.98	275.2	155.187	0.024	0	301.389
Stage7	-17.25	674.092	148.53	UL-RL	0.165	10.98	275.2	159.091	0.024	0	307.621
Stage7	-17.65	680.577	150.856	UL-RL	0.165	10.98	275.2	162.995	0.024	0	313.851
Stage7	-18.05	687.204	153.18	UL-RL	0.165	10.98	275.2	166.899	0.024	0	320.079
Stage7	-18.45	693.688	155.501	UL-RL	0.165	10.98	275.2	170.803	0.024	0	326.304
Stage7	-18.85	700.173	157.82	UL-RL	0.165	10.98	275.2	174.707	0.024	0	332.527
Stage7	-19.25	706.658	160.137	UL-RL	0.165	10.98	275.2	178.611	0.024	0	338.748
Stage7	-19.65	713.143	162.452	UL-RL	0.165	10.98	275.2	182.516	0.024	0	344.968
Stage7	-20.05	719.628	164.766	UL-RL	0.165	10.98	275.2	186.42	0.024	0	351.185
Stage7	-20.45	726.113	167.078	UL-RL	0.165	10.98	275.2	190.324	0.024	0	357.401
Stage7	-20.85	732.599	169.388	UL-RL	0.165	10.98	275.2	194.228	0.024	0	363.616
Stage7	-21.25	739.085	171.697	UL-RL	0.165	10.98	275.2	198.132	0.024	0	369.829
Stage7	-21.65	745.571	174.005	UL-RL	0.165	10.98	275.2	202.036	0.024	0	376.041
Stage7	-22.05	752.057	176.313	UL-RL	0.165	10.98	275.2	205.94	0.024	0	382.253
Stage7	-22.3	756.159	177.756	UL-RL	0.165	10.98	275.2	208.38	0.024	0	386.136

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage8

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage8	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage8	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage8	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage8	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage8	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage8	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Stage8	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Stage8	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Stage8	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Stage8	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Stage8	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Stage8	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage8	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Stage8	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Stage8	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage8	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage8	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage8	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Stage8	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Stage8	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Stage8	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Stage8	7.55	188.208	0.64	UL-RL	0.165	10.98	275.2	0	0	0.64
Stage8	7.15	198.572	1.111	UL-RL	0.165	10.98	275.2	0	0	1.111
Stage8	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Stage8	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Stage8	5.95	229.68	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.55	240.519	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.15	250.879	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.75	261.242	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.35	271.607	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.55	292.345	3.5	UL-RL	0.165	10.98	275.2	0	0	3.5
Stage8	3.15	302.717	5.263	UL-RL	0.165	10.98	275.2	0	0	5.263
Stage8	2.75	313.091	2.739	UL-RL	0.165	10.98	275.2	0	0	2.739
Stage8	2.35	323.466	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.95	333.843	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.55	344.221	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.15	354.6	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.75	365.298	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.35	375.671	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	-0.05	386.046	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.45	396.423	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.85	406.8	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-1.25	414.25	0	ACTIVE	0.165	10.98	275.2	2.928	0.024	2.928
Stage8	-1.45	417.626	0.117	UL-RL	0.165	10.98	275.2	4.88	0.024	4.997
Stage8	-1.85	424.099	14.818	UL-RL	0.165	10.98	275.2	8.784	0.024	23.602
Stage8	-2.25	430.572	32.022	UL-RL	0.165	10.98	275.2	12.688	0.024	44.711
Stage8	-2.65	437.047	46.451	UL-RL	0.165	10.98	275.2	16.592	0.024	63.043
Stage8	-3.05	443.523	56.209	UL-RL	0.165	10.98	275.2	20.496	0.024	76.706
Stage8	-3.45	449.999	62.191	UL-RL	0.165	10.98	275.2	24.4	0.024	86.592
Stage8	-3.85	456.477	65.946	UL-RL	0.165	10.98	275.2	28.305	0.024	94.251
Stage8	-4.25	462.955	68.717	UL-RL	0.165	10.98	275.2	32.209	0.024	100.926

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Stato	Lato	LEFT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage8	-4.65	469.434	71.219	UL-RL	0.165	10.98	275.2	36.113	0.024	0	107.332		
Stage8	-5.05	475.913	73.753	UL-RL	0.165	10.98	275.2	40.017	0.024	0	113.77		
Stage8	-5.45	482.393	76.38	UL-RL	0.165	10.98	275.2	43.921	0.024	0	120.301		
Stage8	-5.85	488.874	79.068	UL-RL	0.165	10.98	275.2	47.825	0.024	0	126.893		
Stage8	-6.25	495.571	81.767	UL-RL	0.165	10.98	275.2	51.729	0.024	0	133.496		
Stage8	-6.45	498.703	83.109	UL-RL	0.165	10.98	275.2	53.681	0.024	0	136.79		
Stage8	-6.85	505.183	85.765	UL-RL	0.165	10.98	275.2	57.585	0.024	0	143.35		
Stage8	-7.25	511.664	88.38	UL-RL	0.165	10.98	275.2	61.489	0.024	0	149.87		
Stage8	-7.65	518.145	90.957	UL-RL	0.165	10.98	275.2	65.393	0.024	0	156.35		
Stage8	-8.05	524.627	93.5	UL-RL	0.165	10.98	275.2	69.297	0.024	0	162.797		
Stage8	-8.45	531.306	96.016	UL-RL	0.165	10.98	275.2	73.201	0.024	0	169.218		
Stage8	-8.85	537.786	98.511	UL-RL	0.165	10.98	275.2	77.106	0.024	0	175.616		
Stage8	-9.25	544.266	100.986	UL-RL	0.165	10.98	275.2	81.01	0.024	0	181.996		
Stage8	-9.65	550.746	103.446	UL-RL	0.165	10.98	275.2	84.914	0.024	0	188.36		
Stage8	-10.05	557.227	105.892	UL-RL	0.165	10.98	275.2	88.818	0.024	0	194.71		
Stage8	-10.45	563.709	108.325	UL-RL	0.165	10.98	275.2	92.722	0.024	0	201.047		
Stage8	-10.85	570.19	110.746	UL-RL	0.165	10.98	275.2	96.626	0.024	0	207.372		
Stage8	-11.25	576.673	113.157	UL-RL	0.165	10.98	275.2	100.53	0.024	0	213.687		
Stage8	-11.65	583.156	115.558	UL-RL	0.165	10.98	275.2	104.434	0.024	0	219.992		
Stage8	-12.05	589.638	117.95	UL-RL	0.165	10.98	275.2	108.338	0.024	0	226.288		
Stage8	-12.45	596.122	120.335	UL-RL	0.165	10.98	275.2	112.242	0.024	0	232.577		
Stage8	-12.85	602.606	122.712	UL-RL	0.165	10.98	275.2	116.146	0.024	0	238.858		
Stage8	-13.25	609.254	125.083	UL-RL	0.165	10.98	275.2	120.05	0.024	0	245.133		
Stage8	-13.65	615.737	127.448	UL-RL	0.165	10.98	275.2	123.954	0.024	0	251.402		
Stage8	-14.05	622.219	129.807	UL-RL	0.165	10.98	275.2	127.858	0.024	0	257.665		
Stage8	-14.45	628.702	132.161	UL-RL	0.165	10.98	275.2	131.762	0.024	0	263.924		
Stage8	-14.85	635.186	134.511	UL-RL	0.165	10.98	275.2	135.667	0.024	0	270.177		
Stage8	-15.25	641.669	136.856	UL-RL	0.165	10.98	275.2	139.571	0.024	0	276.427		
Stage8	-15.65	648.153	139.198	UL-RL	0.165	10.98	275.2	143.475	0.024	0	282.672		
Stage8	-16.05	654.638	141.536	UL-RL	0.165	10.98	275.2	147.379	0.024	0	288.914		
Stage8	-16.45	661.122	143.87	UL-RL	0.165	10.98	275.2	151.283	0.024	0	295.153		
Stage8	-16.85	667.607	146.202	UL-RL	0.165	10.98	275.2	155.187	0.024	0	301.389		
Stage8	-17.25	674.092	148.53	UL-RL	0.165	10.98	275.2	159.091	0.024	0	307.621		
Stage8	-17.65	680.577	150.856	UL-RL	0.165	10.98	275.2	162.995	0.024	0	313.851		
Stage8	-18.05	687.204	153.18	UL-RL	0.165	10.98	275.2	166.899	0.024	0	320.079		
Stage8	-18.45	693.688	155.501	UL-RL	0.165	10.98	275.2	170.803	0.024	0	326.304		
Stage8	-18.85	700.173	157.82	UL-RL	0.165	10.98	275.2	174.707	0.024	0	332.527		
Stage8	-19.25	706.658	160.137	UL-RL	0.165	10.98	275.2	178.611	0.024	0	338.748		
Stage8	-19.65	713.143	162.452	UL-RL	0.165	10.98	275.2	182.516	0.024	0	344.968		
Stage8	-20.05	719.628	164.766	UL-RL	0.165	10.98	275.2	186.42	0.024	0	351.185		
Stage8	-20.45	726.113	167.078	UL-RL	0.165	10.98	275.2	190.324	0.024	0	357.401		
Stage8	-20.85	732.599	169.388	UL-RL	0.165	10.98	275.2	194.228	0.024	0	363.616		
Stage8	-21.25	739.085	171.697	UL-RL	0.165	10.98	275.2	198.132	0.024	0	369.829		
Stage8	-21.65	745.571	174.005	UL-RL	0.165	10.98	275.2	202.036	0.024	0	376.041		
Stage8	-22.05	752.057	176.313	UL-RL	0.165	10.98	275.2	205.94	0.024	0	382.253		
Stage8	-22.3	756.159	177.756	UL-RL	0.165	10.98	275.2	208.38	0.024	0	386.136		

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-2.25	4.728	63.989	UL-RL	0.165	10.98	275.2	3.072	0.024	0	67.061
Stage8	-2.65	11.032	65.384	UL-RL	0.165	10.98	275.2	7.168	0.024	0	72.551
Stage8	-3.05	17.336	67.104	UL-RL	0.165	10.98	275.2	11.264	0.024	0	78.368
Stage8	-3.45	23.64	69.643	UL-RL	0.165	10.98	275.2	15.36	0.024	0	85.003
Stage8	-3.85	29.944	72.662	UL-RL	0.165	10.98	275.2	19.456	0.024	0	92.118
Stage8	-4.25	36.248	75.798	UL-RL	0.165	10.98	275.2	23.552	0.024	0	99.349
Stage8	-4.65	42.553	78.839	UL-RL	0.165	10.98	275.2	27.647	0.024	0	106.487
Stage8	-5.05	48.857	81.714	UL-RL	0.165	10.98	275.2	31.743	0.024	0	113.458
Stage8	-5.45	55.161	84.432	UL-RL	0.165	10.98	275.2	35.839	0.024	0	120.271

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-5.85	61.465	87.028	UL-RL	0.165	10.98	275.2	39.935	0.024	0	126.964
Stage8	-6.25	67.769	89.541	UL-RL	0.165	10.98	275.2	44.031	0.024	0	133.572
Stage8	-6.45	70.921	90.775	UL-RL	0.165	10.98	275.2	46.079	0.024	0	136.854
Stage8	-6.85	77.225	93.21	UL-RL	0.165	10.98	275.2	50.175	0.024	0	143.385
Stage8	-7.25	83.529	95.611	UL-RL	0.165	10.98	275.2	54.271	0.024	0	149.882
Stage8	-7.65	89.833	97.982	UL-RL	0.165	10.98	275.2	58.367	0.024	0	156.349
Stage8	-8.05	96.137	100.329	UL-RL	0.165	10.98	275.2	62.463	0.024	0	162.792
Stage8	-8.45	102.441	102.654	UL-RL	0.165	10.98	275.2	66.559	0.024	0	169.212
Stage8	-8.85	108.745	104.958	UL-RL	0.165	10.98	275.2	70.655	0.024	0	175.612
Stage8	-9.25	115.049	107.243	UL-RL	0.165	10.98	275.2	74.751	0.024	0	181.994
Stage8	-9.65	121.354	109.512	UL-RL	0.165	10.98	275.2	78.847	0.024	0	188.359
Stage8	-10.05	127.658	111.767	UL-RL	0.165	10.98	275.2	82.942	0.024	0	194.709
Stage8	-10.45	133.962	114.008	UL-RL	0.165	10.98	275.2	87.038	0.024	0	201.046
Stage8	-10.85	140.266	116.237	UL-RL	0.165	10.98	275.2	91.134	0.024	0	207.372
Stage8	-11.25	146.57	118.456	UL-RL	0.165	10.98	275.2	95.23	0.024	0	213.686
Stage8	-11.65	152.874	120.665	UL-RL	0.165	10.98	275.2	99.326	0.024	0	219.991
Stage8	-12.05	159.178	122.866	UL-RL	0.165	10.98	275.2	103.422	0.024	0	226.288
Stage8	-12.45	165.482	125.059	UL-RL	0.165	10.98	275.2	107.518	0.024	0	232.577
Stage8	-12.85	171.786	127.244	UL-RL	0.165	10.98	275.2	111.614	0.024	0	238.858
Stage8	-13.25	178.09	129.423	UL-RL	0.165	10.98	275.2	115.71	0.024	0	245.133
Stage8	-13.65	184.394	131.596	UL-RL	0.165	10.98	275.2	119.806	0.024	0	251.402
Stage8	-14.05	190.698	133.764	UL-RL	0.165	10.98	275.2	123.902	0.024	0	257.665
Stage8	-14.45	197.002	135.926	UL-RL	0.165	10.98	275.2	127.998	0.024	0	263.924
Stage8	-14.85	203.306	138.084	UL-RL	0.165	10.98	275.2	132.093	0.024	0	270.177
Stage8	-15.25	209.61	140.238	UL-RL	0.165	10.98	275.2	136.189	0.024	0	276.427
Stage8	-15.65	215.914	142.387	UL-RL	0.165	10.98	275.2	140.285	0.024	0	282.672
Stage8	-16.05	222.219	144.533	UL-RL	0.165	10.98	275.2	144.381	0.024	0	288.914
Stage8	-16.45	228.523	146.676	UL-RL	0.165	10.98	275.2	148.477	0.024	0	295.153
Stage8	-16.85	234.827	148.816	UL-RL	0.165	10.98	275.2	152.573	0.024	0	301.388
Stage8	-17.25	241.131	150.952	UL-RL	0.165	10.98	275.2	156.669	0.024	0	307.621
Stage8	-17.65	247.435	153.086	UL-RL	0.165	10.98	275.2	160.765	0.024	0	313.851
Stage8	-18.05	253.739	155.218	UL-RL	0.165	10.98	275.2	164.861	0.024	0	320.079
Stage8	-18.45	260.043	157.347	UL-RL	0.165	10.98	275.2	168.957	0.024	0	326.304
Stage8	-18.85	266.347	159.474	UL-RL	0.165	10.98	275.2	173.053	0.024	0	332.527
Stage8	-19.25	272.651	161.6	UL-RL	0.165	10.98	275.2	177.149	0.024	0	338.748
Stage8	-19.65	278.955	163.723	UL-RL	0.165	10.98	275.2	181.244	0.024	0	344.968
Stage8	-20.05	285.259	165.845	UL-RL	0.165	10.98	275.2	185.34	0.024	0	351.185
Stage8	-20.45	291.563	167.965	UL-RL	0.165	10.98	275.2	189.436	0.024	0	357.402
Stage8	-20.85	297.868	170.084	UL-RL	0.165	10.98	275.2	193.532	0.024	0	363.616
Stage8	-21.25	304.172	172.201	UL-RL	0.165	10.98	275.2	197.628	0.024	0	369.83
Stage8	-21.65	310.476	174.317	UL-RL	0.165	10.98	275.2	201.724	0.024	0	376.041
Stage8	-22.05	316.78	176.431	UL-RL	0.165	10.98	275.2	205.82	0.024	0	382.251
Stage8	-22.3	320.72	177.752	UL-RL	0.165	10.98	275.2	208.38	0.024	0	386.132

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage8

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	LEFT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage8	-2.25	4.728	63.989	UL-RL	0.165	10.98	275.2	3.072	0.024	0	67.061
Stage8	-2.65	11.032	65.384	UL-RL	0.165	10.98	275.2	7.168	0.024	0	72.551
Stage8	-3.05	17.336	67.104	UL-RL	0.165	10.98	275.2	11.264	0.024	0	78.368
Stage8	-3.45	23.64	69.643	UL-RL	0.165	10.98	275.2	15.36	0.024	0	85.003
Stage8	-3.85	29.944	72.662	UL-RL	0.165	10.98	275.2	19.456	0.024	0	92.118
Stage8	-4.25	36.248	75.798	UL-RL	0.165	10.98	275.2	23.552	0.024	0	99.349

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno												
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro:	RIGHT	Lato	LEFT					
					Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-4.65	42.553	78.839		UL-RL	0.165	10.98	275.2	27.647	0.024	0	106.487
Stage8	-5.05	48.857	81.714		UL-RL	0.165	10.98	275.2	31.743	0.024	0	113.458
Stage8	-5.45	55.161	84.432		UL-RL	0.165	10.98	275.2	35.839	0.024	0	120.271
Stage8	-5.85	61.465	87.028		UL-RL	0.165	10.98	275.2	39.935	0.024	0	126.964
Stage8	-6.25	67.769	89.541		UL-RL	0.165	10.98	275.2	44.031	0.024	0	133.572
Stage8	-6.45	70.921	90.775		UL-RL	0.165	10.98	275.2	46.079	0.024	0	136.854
Stage8	-6.85	77.225	93.21		UL-RL	0.165	10.98	275.2	50.175	0.024	0	143.385
Stage8	-7.25	83.529	95.611		UL-RL	0.165	10.98	275.2	54.271	0.024	0	149.882
Stage8	-7.65	89.833	97.982		UL-RL	0.165	10.98	275.2	58.367	0.024	0	156.349
Stage8	-8.05	96.137	100.329		UL-RL	0.165	10.98	275.2	62.463	0.024	0	162.792
Stage8	-8.45	102.441	102.654		UL-RL	0.165	10.98	275.2	66.559	0.024	0	169.212
Stage8	-8.85	108.745	104.958		UL-RL	0.165	10.98	275.2	70.655	0.024	0	175.612
Stage8	-9.25	115.049	107.243		UL-RL	0.165	10.98	275.2	74.751	0.024	0	181.994
Stage8	-9.65	121.354	109.512		UL-RL	0.165	10.98	275.2	78.847	0.024	0	188.359
Stage8	-10.05	127.658	111.767		UL-RL	0.165	10.98	275.2	82.942	0.024	0	194.709
Stage8	-10.45	133.962	114.008		UL-RL	0.165	10.98	275.2	87.038	0.024	0	201.046
Stage8	-10.85	140.266	116.237		UL-RL	0.165	10.98	275.2	91.134	0.024	0	207.372
Stage8	-11.25	146.57	118.456		UL-RL	0.165	10.98	275.2	95.23	0.024	0	213.686
Stage8	-11.65	152.874	120.665		UL-RL	0.165	10.98	275.2	99.326	0.024	0	219.991
Stage8	-12.05	159.178	122.866		UL-RL	0.165	10.98	275.2	103.422	0.024	0	226.288
Stage8	-12.45	165.482	125.059		UL-RL	0.165	10.98	275.2	107.518	0.024	0	232.577
Stage8	-12.85	171.786	127.244		UL-RL	0.165	10.98	275.2	111.614	0.024	0	238.858
Stage8	-13.25	178.09	129.423		UL-RL	0.165	10.98	275.2	115.71	0.024	0	245.133
Stage8	-13.65	184.394	131.596		UL-RL	0.165	10.98	275.2	119.806	0.024	0	251.402
Stage8	-14.05	190.698	133.764		UL-RL	0.165	10.98	275.2	123.902	0.024	0	257.665
Stage8	-14.45	197.002	135.926		UL-RL	0.165	10.98	275.2	127.998	0.024	0	263.924
Stage8	-14.85	203.306	138.084		UL-RL	0.165	10.98	275.2	132.093	0.024	0	270.177
Stage8	-15.25	209.61	140.238		UL-RL	0.165	10.98	275.2	136.189	0.024	0	276.427
Stage8	-15.65	215.914	142.387		UL-RL	0.165	10.98	275.2	140.285	0.024	0	282.672
Stage8	-16.05	222.219	144.533		UL-RL	0.165	10.98	275.2	144.381	0.024	0	288.914
Stage8	-16.45	228.523	146.676		UL-RL	0.165	10.98	275.2	148.477	0.024	0	295.153
Stage8	-16.85	234.827	148.816		UL-RL	0.165	10.98	275.2	152.573	0.024	0	301.388
Stage8	-17.25	241.131	150.952		UL-RL	0.165	10.98	275.2	156.669	0.024	0	307.621
Stage8	-17.65	247.435	153.086		UL-RL	0.165	10.98	275.2	160.765	0.024	0	313.851
Stage8	-18.05	253.739	155.218		UL-RL	0.165	10.98	275.2	164.861	0.024	0	320.079
Stage8	-18.45	260.043	157.347		UL-RL	0.165	10.98	275.2	168.957	0.024	0	326.304
Stage8	-18.85	266.347	159.474		UL-RL	0.165	10.98	275.2	173.053	0.024	0	332.527
Stage8	-19.25	272.651	161.6		UL-RL	0.165	10.98	275.2	177.149	0.024	0	338.748
Stage8	-19.65	278.955	163.723		UL-RL	0.165	10.98	275.2	181.244	0.024	0	344.968
Stage8	-20.05	285.259	165.845		UL-RL	0.165	10.98	275.2	185.34	0.024	0	351.185
Stage8	-20.45	291.563	167.965		UL-RL	0.165	10.98	275.2	189.436	0.024	0	357.402
Stage8	-20.85	297.868	170.084		UL-RL	0.165	10.98	275.2	193.532	0.024	0	363.616
Stage8	-21.25	304.172	172.201		UL-RL	0.165	10.98	275.2	197.628	0.024	0	369.83
Stage8	-21.65	310.476	174.317		UL-RL	0.165	10.98	275.2	201.724	0.024	0	376.041
Stage8	-22.05	316.78	176.431		UL-RL	0.165	10.98	275.2	205.82	0.024	0	382.251
Stage8	-22.3	320.72	177.752		UL-RL	0.165	10.98	275.2	208.38	0.024	0	386.132

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage8	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage8	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage8	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage8	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage8	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage8	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Stage8	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Stage8	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Stage8	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Stage8	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Stage8	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Stage8	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage8	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Stage8	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Stage8	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage8	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage8	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage8	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Stage8	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Stage8	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Stage8	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Stage8	7.55	188.208	0.64	UL-RL	0.165	10.98	275.2	0	0	0.64
Stage8	7.15	198.572	1.111	UL-RL	0.165	10.98	275.2	0	0	1.111
Stage8	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Stage8	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Stage8	5.95	229.68	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.55	240.519	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	5.15	250.879	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.75	261.242	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	4.35	271.607	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	3.55	292.345	3.5	UL-RL	0.165	10.98	275.2	0	0	3.5
Stage8	3.15	302.717	5.263	UL-RL	0.165	10.98	275.2	0	0	5.263
Stage8	2.75	313.091	2.739	UL-RL	0.165	10.98	275.2	0	0	2.739
Stage8	2.35	323.466	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.95	333.843	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.55	344.221	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	1.15	354.6	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.75	365.298	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	0.35	375.671	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage8	-0.05	386.046	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.45	396.423	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-0.85	406.8	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage8	-1.25	414.25	0	ACTIVE	0.165	10.98	275.2	2.928	0.024	2.928
Stage8	-1.45	417.626	0.117	UL-RL	0.165	10.98	275.2	4.88	0.024	4.997
Stage8	-1.85	424.099	14.818	UL-RL	0.165	10.98	275.2	8.784	0.024	23.602
Stage8	-2.25	430.572	32.022	UL-RL	0.165	10.98	275.2	12.688	0.024	44.711
Stage8	-2.65	437.047	46.451	UL-RL	0.165	10.98	275.2	16.592	0.024	63.043
Stage8	-3.05	443.523	56.209	UL-RL	0.165	10.98	275.2	20.496	0.024	76.706
Stage8	-3.45	449.999	62.191	UL-RL	0.165	10.98	275.2	24.4	0.024	86.592
Stage8	-3.85	456.477	65.946	UL-RL	0.165	10.98	275.2	28.305	0.024	94.251
Stage8	-4.25	462.955	68.717	UL-RL	0.165	10.98	275.2	32.209	0.024	100.926
Stage8	-4.65	469.434	71.219	UL-RL	0.165	10.98	275.2	36.113	0.024	107.332
Stage8	-5.05	475.913	73.753	UL-RL	0.165	10.98	275.2	40.017	0.024	113.77
Stage8	-5.45	482.393	76.38	UL-RL	0.165	10.98	275.2	43.921	0.024	120.301

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage8	-5.85	488.874	79.068	UL-RL	0.165	10.98	275.2	47.825	0.024	0	126.893
Stage8	-6.25	495.571	81.767	UL-RL	0.165	10.98	275.2	51.729	0.024	0	133.496
Stage8	-6.45	498.703	83.109	UL-RL	0.165	10.98	275.2	53.681	0.024	0	136.79
Stage8	-6.85	505.183	85.765	UL-RL	0.165	10.98	275.2	57.585	0.024	0	143.35
Stage8	-7.25	511.664	88.38	UL-RL	0.165	10.98	275.2	61.489	0.024	0	149.87
Stage8	-7.65	518.145	90.957	UL-RL	0.165	10.98	275.2	65.393	0.024	0	156.35
Stage8	-8.05	524.627	93.5	UL-RL	0.165	10.98	275.2	69.297	0.024	0	162.797
Stage8	-8.45	531.306	96.016	UL-RL	0.165	10.98	275.2	73.201	0.024	0	169.218
Stage8	-8.85	537.786	98.511	UL-RL	0.165	10.98	275.2	77.106	0.024	0	175.616
Stage8	-9.25	544.266	100.986	UL-RL	0.165	10.98	275.2	81.01	0.024	0	181.996
Stage8	-9.65	550.746	103.446	UL-RL	0.165	10.98	275.2	84.914	0.024	0	188.36
Stage8	-10.05	557.227	105.892	UL-RL	0.165	10.98	275.2	88.818	0.024	0	194.71
Stage8	-10.45	563.709	108.325	UL-RL	0.165	10.98	275.2	92.722	0.024	0	201.047
Stage8	-10.85	570.19	110.746	UL-RL	0.165	10.98	275.2	96.626	0.024	0	207.372
Stage8	-11.25	576.673	113.157	UL-RL	0.165	10.98	275.2	100.53	0.024	0	213.687
Stage8	-11.65	583.156	115.558	UL-RL	0.165	10.98	275.2	104.434	0.024	0	219.992
Stage8	-12.05	589.638	117.95	UL-RL	0.165	10.98	275.2	108.338	0.024	0	226.288
Stage8	-12.45	596.122	120.335	UL-RL	0.165	10.98	275.2	112.242	0.024	0	232.577
Stage8	-12.85	602.606	122.712	UL-RL	0.165	10.98	275.2	116.146	0.024	0	238.858
Stage8	-13.25	609.254	125.083	UL-RL	0.165	10.98	275.2	120.05	0.024	0	245.133
Stage8	-13.65	615.737	127.448	UL-RL	0.165	10.98	275.2	123.954	0.024	0	251.402
Stage8	-14.05	622.219	129.807	UL-RL	0.165	10.98	275.2	127.858	0.024	0	257.665
Stage8	-14.45	628.702	132.161	UL-RL	0.165	10.98	275.2	131.762	0.024	0	263.924
Stage8	-14.85	635.186	134.511	UL-RL	0.165	10.98	275.2	135.667	0.024	0	270.177
Stage8	-15.25	641.669	136.856	UL-RL	0.165	10.98	275.2	139.571	0.024	0	276.427
Stage8	-15.65	648.153	139.198	UL-RL	0.165	10.98	275.2	143.475	0.024	0	282.672
Stage8	-16.05	654.638	141.536	UL-RL	0.165	10.98	275.2	147.379	0.024	0	288.914
Stage8	-16.45	661.122	143.87	UL-RL	0.165	10.98	275.2	151.283	0.024	0	295.153
Stage8	-16.85	667.607	146.202	UL-RL	0.165	10.98	275.2	155.187	0.024	0	301.389
Stage8	-17.25	674.092	148.53	UL-RL	0.165	10.98	275.2	159.091	0.024	0	307.621
Stage8	-17.65	680.577	150.856	UL-RL	0.165	10.98	275.2	162.995	0.024	0	313.851
Stage8	-18.05	687.204	153.18	UL-RL	0.165	10.98	275.2	166.899	0.024	0	320.079
Stage8	-18.45	693.688	155.501	UL-RL	0.165	10.98	275.2	170.803	0.024	0	326.304
Stage8	-18.85	700.173	157.82	UL-RL	0.165	10.98	275.2	174.707	0.024	0	332.527
Stage8	-19.25	706.658	160.137	UL-RL	0.165	10.98	275.2	178.611	0.024	0	338.748
Stage8	-19.65	713.143	162.452	UL-RL	0.165	10.98	275.2	182.516	0.024	0	344.968
Stage8	-20.05	719.628	164.766	UL-RL	0.165	10.98	275.2	186.42	0.024	0	351.185
Stage8	-20.45	726.113	167.078	UL-RL	0.165	10.98	275.2	190.324	0.024	0	357.401
Stage8	-20.85	732.599	169.388	UL-RL	0.165	10.98	275.2	194.228	0.024	0	363.616
Stage8	-21.25	739.085	171.697	UL-RL	0.165	10.98	275.2	198.132	0.024	0	369.829
Stage8	-21.65	745.571	174.005	UL-RL	0.165	10.98	275.2	202.036	0.024	0	376.041
Stage8	-22.05	752.057	176.313	UL-RL	0.165	10.98	275.2	205.94	0.024	0	382.253
Stage8	-22.3	756.159	177.756	UL-RL	0.165	10.98	275.2	208.38	0.024	0	386.136

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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Tabella Risultati Terreno Paratia - Nominal - Stage9

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT	Lato	LEFT				
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage9	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage9	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage9	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage9	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage9	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage9	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Stage9	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Stage9	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Stage9	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Stage9	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Stage9	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Stage9	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage9	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Stage9	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Stage9	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage9	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage9	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage9	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Stage9	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Stage9	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Stage9	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Stage9	7.55	188.208	0.639	UL-RL	0.165	10.98	275.2	0	0	0.639
Stage9	7.15	198.572	1.11	UL-RL	0.165	10.98	275.2	0	0	1.11
Stage9	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Stage9	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Stage9	5.95	229.68	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage9	5.55	240.519	0.004	UL-RL	0.165	10.98	275.2	0	0	0.004
Stage9	5.15	250.879	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Stage9	4.75	261.242	0.011	UL-RL	0.165	10.98	275.2	0	0	0.011
Stage9	4.35	271.607	0.009	UL-RL	0.165	10.98	275.2	0	0	0.009
Stage9	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	3.55	292.345	3.458	UL-RL	0.165	10.98	275.2	0	0	3.458
Stage9	3.15	302.717	5.154	UL-RL	0.165	10.98	275.2	0	0	5.154
Stage9	2.75	313.091	2.536	UL-RL	0.165	10.98	275.2	0	0	2.536
Stage9	2.35	323.466	0.002	UL-RL	0.165	10.98	275.2	0	0	0.002
Stage9	1.95	333.843	0.014	UL-RL	0.165	10.98	275.2	0	0	0.014
Stage9	1.55	344.221	0.057	UL-RL	0.165	10.98	275.2	0	0	0.057
Stage9	1.15	354.6	0.188	UL-RL	0.165	10.98	275.2	0	0	0.188
Stage9	0.75	365.298	0.83	UL-RL	0.165	10.98	275.2	0	0	0.83
Stage9	0.35	375.671	1.741	UL-RL	0.165	10.98	275.2	0	0	1.741
Stage9	-0.05	386.046	2.687	UL-RL	0.165	10.98	275.2	0	0	2.687
Stage9	-0.45	396.423	3	UL-RL	0.165	10.98	275.2	0	0	3
Stage9	-0.85	406.8	1.361	UL-RL	0.165	10.98	275.2	0	0	1.361
Stage9	-1.25	417.178	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.45	422.506	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.85	432.883	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-2.25	443.261	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-2.65	453.64	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-3.05	464.019	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-3.45	474.4	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-3.85	484.781	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-4.25	495.163	0	ACTIVE	0.165	10.98	275.2	0	0	0

PROGETTO DEFINITIVO

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IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT		Lato LEFT		Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp	Coesione (kPa)			
Stage9	-4.65	505.546	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-5.05	515.93	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-5.45	526.314	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-5.85	536.698	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-6.25	544.395	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	0
Stage9	-6.45	547.542	3.107	UL-RL	0.165	10.98	275.2	4.842	0.032	0
Stage9	-6.85	554.052	21.815	UL-RL	0.165	10.98	275.2	8.716	0.032	0
Stage9	-7.25	560.563	43.177	UL-RL	0.165	10.98	275.2	12.59	0.032	0
Stage9	-7.65	567.075	60.725	UL-RL	0.165	10.98	275.2	16.464	0.032	0
Stage9	-8.05	573.587	72.281	UL-RL	0.165	10.98	275.2	20.338	0.032	0
Stage9	-8.45	580.296	79.092	UL-RL	0.165	10.98	275.2	24.211	0.032	0
Stage9	-8.85	586.806	83.155	UL-RL	0.165	10.98	275.2	28.085	0.032	0
Stage9	-9.25	593.316	86.036	UL-RL	0.165	10.98	275.2	31.959	0.032	0
Stage9	-9.65	599.827	88.623	UL-RL	0.165	10.98	275.2	35.833	0.032	0
Stage9	-10.05	606.338	91.276	UL-RL	0.165	10.98	275.2	39.707	0.032	0
Stage9	-10.45	612.85	94.062	UL-RL	0.165	10.98	275.2	43.58	0.032	0
Stage9	-10.85	619.362	96.933	UL-RL	0.165	10.98	275.2	47.454	0.032	0
Stage9	-11.25	625.875	99.822	UL-RL	0.165	10.98	275.2	51.328	0.032	0
Stage9	-11.65	632.388	102.685	UL-RL	0.165	10.98	275.2	55.202	0.032	0
Stage9	-12.05	638.901	105.5	UL-RL	0.165	10.98	275.2	59.076	0.032	0
Stage9	-12.45	645.415	108.266	UL-RL	0.165	10.98	275.2	62.95	0.032	0
Stage9	-12.85	651.929	110.988	UL-RL	0.165	10.98	275.2	66.823	0.032	0
Stage9	-13.25	658.608	113.673	UL-RL	0.165	10.98	275.2	70.697	0.032	0
Stage9	-13.65	665.12	116.328	UL-RL	0.165	10.98	275.2	74.571	0.032	0
Stage9	-14.05	671.633	118.958	UL-RL	0.165	10.98	275.2	78.445	0.032	0
Stage9	-14.45	678.146	121.567	UL-RL	0.165	10.98	275.2	82.319	0.032	0
Stage9	-14.85	684.66	124.157	UL-RL	0.165	10.98	275.2	86.192	0.032	0
Stage9	-15.25	691.174	126.73	UL-RL	0.165	10.98	275.2	90.066	0.032	0
Stage9	-15.65	697.688	129.288	UL-RL	0.165	10.98	275.2	93.94	0.032	0
Stage9	-16.05	704.202	131.83	UL-RL	0.165	10.98	275.2	97.814	0.032	0
Stage9	-16.45	710.717	134.36	UL-RL	0.165	10.98	275.2	101.688	0.032	0
Stage9	-16.85	717.232	136.878	UL-RL	0.165	10.98	275.2	105.561	0.032	0
Stage9	-17.25	723.748	139.386	UL-RL	0.165	10.98	275.2	109.435	0.032	0
Stage9	-17.65	730.263	141.882	UL-RL	0.165	10.98	275.2	113.309	0.032	0
Stage9	-18.05	736.92	144.37	UL-RL	0.165	10.98	275.2	117.183	0.032	0
Stage9	-18.45	743.435	146.849	UL-RL	0.165	10.98	275.2	121.057	0.032	0
Stage9	-18.85	749.95	149.321	UL-RL	0.165	10.98	275.2	124.93	0.032	0
Stage9	-19.25	756.465	151.784	UL-RL	0.165	10.98	275.2	128.804	0.032	0
Stage9	-19.65	762.98	154.241	UL-RL	0.165	10.98	275.2	132.678	0.032	0
Stage9	-20.05	769.496	156.692	UL-RL	0.165	10.98	275.2	136.552	0.032	0
Stage9	-20.45	776.011	159.136	UL-RL	0.165	10.98	275.2	140.426	0.032	0
Stage9	-20.85	782.527	161.575	UL-RL	0.165	10.98	275.2	144.3	0.032	0
Stage9	-21.25	789.043	164.009	UL-RL	0.165	10.98	275.2	148.173	0.032	0
Stage9	-21.65	795.56	166.44	UL-RL	0.165	10.98	275.2	152.047	0.032	0
Stage9	-22.05	802.076	168.869	UL-RL	0.165	10.98	275.2	155.921	0.032	0
Stage9	-22.3	806.197	170.387	UL-RL	0.165	10.98	275.2	158.342	0.032	0

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Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-5.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		LEFT		Lato		RIGHT		
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-6.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-6.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-7.25	4.705	82.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	85.971
Stage9	-7.65	10.979	82.447	UL-RL	0.165	10.98	275.2	7.221	0.032	0	89.668
Stage9	-8.05	17.253	83.207	UL-RL	0.165	10.98	275.2	11.347	0.032	0	94.554
Stage9	-8.45	23.527	85.511	UL-RL	0.165	10.98	275.2	15.473	0.032	0	100.984
Stage9	-8.85	29.801	88.694	UL-RL	0.165	10.98	275.2	19.599	0.032	0	108.294
Stage9	-9.25	36.074	92.134	UL-RL	0.165	10.98	275.2	23.726	0.032	0	115.86
Stage9	-9.65	42.348	95.477	UL-RL	0.165	10.98	275.2	27.852	0.032	0	123.329
Stage9	-10.05	48.622	98.601	UL-RL	0.165	10.98	275.2	31.978	0.032	0	130.579
Stage9	-10.45	54.896	101.511	UL-RL	0.165	10.98	275.2	36.104	0.032	0	137.616
Stage9	-10.85	61.17	104.26	UL-RL	0.165	10.98	275.2	40.23	0.032	0	144.491
Stage9	-11.25	67.444	106.902	UL-RL	0.165	10.98	275.2	44.356	0.032	0	151.258
Stage9	-11.65	73.717	109.473	UL-RL	0.165	10.98	275.2	48.483	0.032	0	157.956
Stage9	-12.05	79.991	111.998	UL-RL	0.165	10.98	275.2	52.609	0.032	0	164.607
Stage9	-12.45	86.265	114.487	UL-RL	0.165	10.98	275.2	56.735	0.032	0	171.222
Stage9	-12.85	92.539	116.945	UL-RL	0.165	10.98	275.2	60.861	0.032	0	177.806
Stage9	-13.25	98.813	119.375	UL-RL	0.165	10.98	275.2	64.987	0.032	0	184.362
Stage9	-13.65	105.086	121.779	UL-RL	0.165	10.98	275.2	69.113	0.032	0	190.892
Stage9	-14.05	111.36	124.159	UL-RL	0.165	10.98	275.2	73.24	0.032	0	197.399
Stage9	-14.45	117.634	126.518	UL-RL	0.165	10.98	275.2	77.366	0.032	0	203.884
Stage9	-14.85	123.908	128.856	UL-RL	0.165	10.98	275.2	81.492	0.032	0	210.348
Stage9	-15.25	130.182	131.178	UL-RL	0.165	10.98	275.2	85.618	0.032	0	216.796
Stage9	-15.65	136.455	133.483	UL-RL	0.165	10.98	275.2	89.744	0.032	0	223.227
Stage9	-16.05	142.729	135.773	UL-RL	0.165	10.98	275.2	93.871	0.032	0	229.644
Stage9	-16.45	149.003	138.051	UL-RL	0.165	10.98	275.2	97.997	0.032	0	236.048
Stage9	-16.85	155.277	140.317	UL-RL	0.165	10.98	275.2	102.123	0.032	0	242.44
Stage9	-17.25	161.551	142.571	UL-RL	0.165	10.98	275.2	106.249	0.032	0	248.82
Stage9	-17.65	167.824	144.816	UL-RL	0.165	10.98	275.2	110.375	0.032	0	255.191
Stage9	-18.05	174.098	147.051	UL-RL	0.165	10.98	275.2	114.502	0.032	0	261.553
Stage9	-18.45	180.372	149.278	UL-RL	0.165	10.98	275.2	118.628	0.032	0	267.906
Stage9	-18.85	186.646	151.497	UL-RL	0.165	10.98	275.2	122.754	0.032	0	274.251
Stage9	-19.25	192.92	153.708	UL-RL	0.165	10.98	275.2	126.88	0.032	0	280.588
Stage9	-19.65	199.194	155.913	UL-RL	0.165	10.98	275.2	131.006	0.032	0	286.92
Stage9	-20.05	205.467	158.112	UL-RL	0.165	10.98	275.2	135.132	0.032	0	293.244
Stage9	-20.45	211.741	160.305	UL-RL	0.165	10.98	275.2	139.259	0.032	0	299.563
Stage9	-20.85	218.015	162.492	UL-RL	0.165	10.98	275.2	143.385	0.032	0	305.877
Stage9	-21.25	224.289	164.674	UL-RL	0.165	10.98	275.2	147.511	0.032	0	312.185
Stage9	-21.65	230.563	166.85	UL-RL	0.165	10.98	275.2	151.637	0.032	0	318.488
Stage9	-22.05	236.836	169.021	UL-RL	0.165	10.98	275.2	155.763	0.032	0	324.785
Stage9	-22.3	240.758	170.375	UL-RL	0.165	10.98	275.2	158.342	0.032	0	328.717

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage9

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-4.25	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		LEFT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage9	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-6.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-6.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage9	-7.25	4.705	82.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	85.971
Stage9	-7.65	10.979	82.447	UL-RL	0.165	10.98	275.2	7.221	0.032	0	89.668
Stage9	-8.05	17.253	83.207	UL-RL	0.165	10.98	275.2	11.347	0.032	0	94.554
Stage9	-8.45	23.527	85.511	UL-RL	0.165	10.98	275.2	15.473	0.032	0	100.984
Stage9	-8.85	29.801	88.694	UL-RL	0.165	10.98	275.2	19.599	0.032	0	108.294
Stage9	-9.25	36.074	92.134	UL-RL	0.165	10.98	275.2	23.726	0.032	0	115.86
Stage9	-9.65	42.348	95.477	UL-RL	0.165	10.98	275.2	27.852	0.032	0	123.329
Stage9	-10.05	48.622	98.601	UL-RL	0.165	10.98	275.2	31.978	0.032	0	130.579
Stage9	-10.45	54.896	101.511	UL-RL	0.165	10.98	275.2	36.104	0.032	0	137.616
Stage9	-10.85	61.17	104.26	UL-RL	0.165	10.98	275.2	40.23	0.032	0	144.491
Stage9	-11.25	67.444	106.902	UL-RL	0.165	10.98	275.2	44.356	0.032	0	151.258
Stage9	-11.65	73.717	109.473	UL-RL	0.165	10.98	275.2	48.483	0.032	0	157.956
Stage9	-12.05	79.991	111.998	UL-RL	0.165	10.98	275.2	52.609	0.032	0	164.607
Stage9	-12.45	86.265	114.487	UL-RL	0.165	10.98	275.2	56.735	0.032	0	171.222
Stage9	-12.85	92.539	116.945	UL-RL	0.165	10.98	275.2	60.861	0.032	0	177.806
Stage9	-13.25	98.813	119.375	UL-RL	0.165	10.98	275.2	64.987	0.032	0	184.362
Stage9	-13.65	105.086	121.779	UL-RL	0.165	10.98	275.2	69.113	0.032	0	190.892
Stage9	-14.05	111.36	124.159	UL-RL	0.165	10.98	275.2	73.24	0.032	0	197.399
Stage9	-14.45	117.634	126.518	UL-RL	0.165	10.98	275.2	77.366	0.032	0	203.884
Stage9	-14.85	123.908	128.856	UL-RL	0.165	10.98	275.2	81.492	0.032	0	210.348
Stage9	-15.25	130.182	131.178	UL-RL	0.165	10.98	275.2	85.618	0.032	0	216.796
Stage9	-15.65	136.455	133.483	UL-RL	0.165	10.98	275.2	89.744	0.032	0	223.227
Stage9	-16.05	142.729	135.773	UL-RL	0.165	10.98	275.2	93.871	0.032	0	229.644
Stage9	-16.45	149.003	138.051	UL-RL	0.165	10.98	275.2	97.997	0.032	0	236.048
Stage9	-16.85	155.277	140.317	UL-RL	0.165	10.98	275.2	102.123	0.032	0	242.44
Stage9	-17.25	161.551	142.571	UL-RL	0.165	10.98	275.2	106.249	0.032	0	248.82
Stage9	-17.65	167.824	144.816	UL-RL	0.165	10.98	275.2	110.375	0.032	0	255.191
Stage9	-18.05	174.098	147.051	UL-RL	0.165	10.98	275.2	114.502	0.032	0	261.553
Stage9	-18.45	180.372	149.278	UL-RL	0.165	10.98	275.2	118.628	0.032	0	267.906
Stage9	-18.85	186.646	151.497	UL-RL	0.165	10.98	275.2	122.754	0.032	0	274.251
Stage9	-19.25	192.92	153.708	UL-RL	0.165	10.98	275.2	126.88	0.032	0	280.588
Stage9	-19.65	199.194	155.913	UL-RL	0.165	10.98	275.2	131.006	0.032	0	286.92
Stage9	-20.05	205.467	158.112	UL-RL	0.165	10.98	275.2	135.132	0.032	0	293.244
Stage9	-20.45	211.741	160.305	UL-RL	0.165	10.98	275.2	139.259	0.032	0	299.563
Stage9	-20.85	218.015	162.492	UL-RL	0.165	10.98	275.2	143.385	0.032	0	305.877
Stage9	-21.25	224.289	164.674	UL-RL	0.165	10.98	275.2	147.511	0.032	0	312.185
Stage9	-21.65	230.563	166.85	UL-RL	0.165	10.98	275.2	151.637	0.032	0	318.488
Stage9	-22.05	236.836	169.021	UL-RL	0.165	10.98	275.2	155.763	0.032	0	324.785
Stage9	-22.3	240.758	170.375	UL-RL	0.165	10.98	275.2	158.342	0.032	0	328.717

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage9	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage9	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage9	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage9	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage9	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage9	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Stage9	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Stage9	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Stage9	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Stage9	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Stage9	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Stage9	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage9	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Stage9	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Stage9	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage9	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage9	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage9	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Stage9	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Stage9	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Stage9	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Stage9	7.55	188.208	0.639	UL-RL	0.165	10.98	275.2	0	0	0.639
Stage9	7.15	198.572	1.11	UL-RL	0.165	10.98	275.2	0	0	1.11
Stage9	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Stage9	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Stage9	5.95	229.68	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage9	5.55	240.519	0.004	UL-RL	0.165	10.98	275.2	0	0	0.004
Stage9	5.15	250.879	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Stage9	4.75	261.242	0.011	UL-RL	0.165	10.98	275.2	0	0	0.011
Stage9	4.35	271.607	0.009	UL-RL	0.165	10.98	275.2	0	0	0.009
Stage9	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	3.55	292.345	3.458	UL-RL	0.165	10.98	275.2	0	0	3.458
Stage9	3.15	302.717	5.154	UL-RL	0.165	10.98	275.2	0	0	5.154
Stage9	2.75	313.091	2.536	UL-RL	0.165	10.98	275.2	0	0	2.536
Stage9	2.35	323.466	0.002	UL-RL	0.165	10.98	275.2	0	0	0.002
Stage9	1.95	333.843	0.014	UL-RL	0.165	10.98	275.2	0	0	0.014
Stage9	1.55	344.221	0.057	UL-RL	0.165	10.98	275.2	0	0	0.057
Stage9	1.15	354.6	0.188	UL-RL	0.165	10.98	275.2	0	0	0.188
Stage9	0.75	365.298	0.83	UL-RL	0.165	10.98	275.2	0	0	0.83
Stage9	0.35	375.671	1.741	UL-RL	0.165	10.98	275.2	0	0	1.741
Stage9	-0.05	386.046	2.687	UL-RL	0.165	10.98	275.2	0	0	2.687
Stage9	-0.45	396.423	3	UL-RL	0.165	10.98	275.2	0	0	3
Stage9	-0.85	406.8	1.361	UL-RL	0.165	10.98	275.2	0	0	1.361
Stage9	-1.25	417.178	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.45	422.506	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-1.85	432.883	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-2.25	443.261	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-2.65	453.64	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-3.05	464.019	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-3.45	474.4	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-3.85	484.781	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-4.25	495.163	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-4.65	505.546	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-5.05	515.93	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage9	-5.45	526.314	0	ACTIVE	0.165	10.98	275.2	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato RIGHT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp					
Stage9	-5.85	536.698	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage9	-6.25	544.395	0	ACTIVE	0.165	10.98	275.2	2.905	0.032	0	2.905
Stage9	-6.45	547.542	3.107	UL-RL	0.165	10.98	275.2	4.842	0.032	0	7.949
Stage9	-6.85	554.052	21.815	UL-RL	0.165	10.98	275.2	8.716	0.032	0	30.531
Stage9	-7.25	560.563	43.177	UL-RL	0.165	10.98	275.2	12.59	0.032	0	55.767
Stage9	-7.65	567.075	60.725	UL-RL	0.165	10.98	275.2	16.464	0.032	0	77.189
Stage9	-8.05	573.587	72.281	UL-RL	0.165	10.98	275.2	20.338	0.032	0	92.618
Stage9	-8.45	580.296	79.092	UL-RL	0.165	10.98	275.2	24.211	0.032	0	103.303
Stage9	-8.85	586.806	83.155	UL-RL	0.165	10.98	275.2	28.085	0.032	0	111.24
Stage9	-9.25	593.316	86.036	UL-RL	0.165	10.98	275.2	31.959	0.032	0	117.995
Stage9	-9.65	599.827	88.623	UL-RL	0.165	10.98	275.2	35.833	0.032	0	124.456
Stage9	-10.05	606.338	91.276	UL-RL	0.165	10.98	275.2	39.707	0.032	0	130.982
Stage9	-10.45	612.85	94.062	UL-RL	0.165	10.98	275.2	43.58	0.032	0	137.643
Stage9	-10.85	619.362	96.933	UL-RL	0.165	10.98	275.2	47.454	0.032	0	144.387
Stage9	-11.25	625.875	99.822	UL-RL	0.165	10.98	275.2	51.328	0.032	0	151.15
Stage9	-11.65	632.388	102.685	UL-RL	0.165	10.98	275.2	55.202	0.032	0	157.887
Stage9	-12.05	638.901	105.5	UL-RL	0.165	10.98	275.2	59.076	0.032	0	164.576
Stage9	-12.45	645.415	108.266	UL-RL	0.165	10.98	275.2	62.95	0.032	0	171.216
Stage9	-12.85	651.929	110.988	UL-RL	0.165	10.98	275.2	66.823	0.032	0	177.811
Stage9	-13.25	658.608	113.673	UL-RL	0.165	10.98	275.2	70.697	0.032	0	184.37
Stage9	-13.65	665.12	116.328	UL-RL	0.165	10.98	275.2	74.571	0.032	0	190.899
Stage9	-14.05	671.633	118.958	UL-RL	0.165	10.98	275.2	78.445	0.032	0	197.403
Stage9	-14.45	678.146	121.567	UL-RL	0.165	10.98	275.2	82.319	0.032	0	203.886
Stage9	-14.85	684.66	124.157	UL-RL	0.165	10.98	275.2	86.192	0.032	0	210.35
Stage9	-15.25	691.174	126.73	UL-RL	0.165	10.98	275.2	90.066	0.032	0	216.796
Stage9	-15.65	697.688	129.288	UL-RL	0.165	10.98	275.2	93.94	0.032	0	223.227
Stage9	-16.05	704.202	131.83	UL-RL	0.165	10.98	275.2	97.814	0.032	0	229.644
Stage9	-16.45	710.717	134.36	UL-RL	0.165	10.98	275.2	101.688	0.032	0	236.048
Stage9	-16.85	717.232	136.878	UL-RL	0.165	10.98	275.2	105.561	0.032	0	242.44
Stage9	-17.25	723.748	139.386	UL-RL	0.165	10.98	275.2	109.435	0.032	0	248.821
Stage9	-17.65	730.263	141.882	UL-RL	0.165	10.98	275.2	113.309	0.032	0	255.192
Stage9	-18.05	736.92	144.37	UL-RL	0.165	10.98	275.2	117.183	0.032	0	261.553
Stage9	-18.45	743.435	146.849	UL-RL	0.165	10.98	275.2	121.057	0.032	0	267.906
Stage9	-18.85	749.95	149.321	UL-RL	0.165	10.98	275.2	124.93	0.032	0	274.251
Stage9	-19.25	756.465	151.784	UL-RL	0.165	10.98	275.2	128.804	0.032	0	280.589
Stage9	-19.65	762.98	154.241	UL-RL	0.165	10.98	275.2	132.678	0.032	0	286.92
Stage9	-20.05	769.496	156.692	UL-RL	0.165	10.98	275.2	136.552	0.032	0	293.244
Stage9	-20.45	776.011	159.136	UL-RL	0.165	10.98	275.2	140.426	0.032	0	299.562
Stage9	-20.85	782.527	161.575	UL-RL	0.165	10.98	275.2	144.3	0.032	0	305.875
Stage9	-21.25	789.043	164.009	UL-RL	0.165	10.98	275.2	148.173	0.032	0	312.183
Stage9	-21.65	795.56	166.44	UL-RL	0.165	10.98	275.2	152.047	0.032	0	318.487
Stage9	-22.05	802.076	168.869	UL-RL	0.165	10.98	275.2	155.921	0.032	0	324.79
Stage9	-22.3	806.197	170.387	UL-RL	0.165	10.98	275.2	158.342	0.032	0	328.729

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage10

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT		
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage10	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage10	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage10	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage10	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage10	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage10	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Stage10	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Stage10	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Stage10	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Stage10	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Stage10	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Stage10	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage10	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Stage10	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Stage10	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage10	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage10	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage10	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Stage10	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Stage10	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Stage10	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Stage10	7.55	188.208	0.639	UL-RL	0.165	10.98	275.2	0	0	0.639
Stage10	7.15	198.572	1.11	UL-RL	0.165	10.98	275.2	0	0	1.11
Stage10	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Stage10	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Stage10	5.95	229.68	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage10	5.55	240.519	0.004	UL-RL	0.165	10.98	275.2	0	0	0.004
Stage10	5.15	250.879	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Stage10	4.75	261.242	0.011	UL-RL	0.165	10.98	275.2	0	0	0.011
Stage10	4.35	271.607	0.009	UL-RL	0.165	10.98	275.2	0	0	0.009
Stage10	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	3.55	292.345	3.458	UL-RL	0.165	10.98	275.2	0	0	3.458
Stage10	3.15	302.717	5.154	UL-RL	0.165	10.98	275.2	0	0	5.154
Stage10	2.75	313.091	2.535	UL-RL	0.165	10.98	275.2	0	0	2.535
Stage10	2.35	323.466	0.002	UL-RL	0.165	10.98	275.2	0	0	0.002
Stage10	1.95	333.843	0.013	UL-RL	0.165	10.98	275.2	0	0	0.013
Stage10	1.55	344.221	0.056	UL-RL	0.165	10.98	275.2	0	0	0.056
Stage10	1.15	354.6	0.188	UL-RL	0.165	10.98	275.2	0	0	0.188
Stage10	0.75	365.298	0.83	UL-RL	0.165	10.98	275.2	0	0	0.83
Stage10	0.35	375.671	1.741	UL-RL	0.165	10.98	275.2	0	0	1.741
Stage10	-0.05	386.046	2.687	UL-RL	0.165	10.98	275.2	0	0	2.687
Stage10	-0.45	396.423	3	UL-RL	0.165	10.98	275.2	0	0	3
Stage10	-0.85	406.8	1.361	UL-RL	0.165	10.98	275.2	0	0	1.361
Stage10	-1.25	417.178	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage10	-1.45	422.506	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage10	-1.85	432.883	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-2.25	443.261	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-2.65	453.64	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.05	464.019	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.45	474.4	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.85	484.781	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-4.25	495.163	0	ACTIVE	0.165	10.98	275.2	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: LEFT		Lato LEFT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp					
Stage10	-4.65	505.546	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-5.05	515.93	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-5.45	526.314	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage10	-5.85	536.698	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Stage10	-6.25	544.395	0	UL-RL	0.165	10.98	275.2	2.905	0.032	0	2.905
Stage10	-6.45	547.542	3.107	UL-RL	0.165	10.98	275.2	4.842	0.032	0	7.949
Stage10	-6.85	554.052	21.815	UL-RL	0.165	10.98	275.2	8.716	0.032	0	30.531
Stage10	-7.25	560.563	43.177	UL-RL	0.165	10.98	275.2	12.59	0.032	0	55.767
Stage10	-7.65	567.075	60.725	UL-RL	0.165	10.98	275.2	16.464	0.032	0	77.189
Stage10	-8.05	573.587	72.281	UL-RL	0.165	10.98	275.2	20.338	0.032	0	92.618
Stage10	-8.45	580.296	79.092	UL-RL	0.165	10.98	275.2	24.211	0.032	0	103.303
Stage10	-8.85	586.806	83.155	UL-RL	0.165	10.98	275.2	28.085	0.032	0	111.24
Stage10	-9.25	593.316	86.036	UL-RL	0.165	10.98	275.2	31.959	0.032	0	117.995
Stage10	-9.65	599.827	88.623	UL-RL	0.165	10.98	275.2	35.833	0.032	0	124.456
Stage10	-10.05	606.338	91.276	UL-RL	0.165	10.98	275.2	39.707	0.032	0	130.982
Stage10	-10.45	612.85	94.062	UL-RL	0.165	10.98	275.2	43.58	0.032	0	137.643
Stage10	-10.85	619.362	96.933	UL-RL	0.165	10.98	275.2	47.454	0.032	0	144.387
Stage10	-11.25	625.875	99.822	UL-RL	0.165	10.98	275.2	51.328	0.032	0	151.15
Stage10	-11.65	632.388	102.685	UL-RL	0.165	10.98	275.2	55.202	0.032	0	157.887
Stage10	-12.05	638.901	105.5	UL-RL	0.165	10.98	275.2	59.076	0.032	0	164.576
Stage10	-12.45	645.415	108.266	UL-RL	0.165	10.98	275.2	62.95	0.032	0	171.216
Stage10	-12.85	651.929	110.988	UL-RL	0.165	10.98	275.2	66.823	0.032	0	177.811
Stage10	-13.25	658.608	113.673	UL-RL	0.165	10.98	275.2	70.697	0.032	0	184.37
Stage10	-13.65	665.12	116.328	UL-RL	0.165	10.98	275.2	74.571	0.032	0	190.899
Stage10	-14.05	671.633	118.958	UL-RL	0.165	10.98	275.2	78.445	0.032	0	197.403
Stage10	-14.45	678.146	121.567	UL-RL	0.165	10.98	275.2	82.319	0.032	0	203.886
Stage10	-14.85	684.66	124.157	UL-RL	0.165	10.98	275.2	86.192	0.032	0	210.35
Stage10	-15.25	691.174	126.73	UL-RL	0.165	10.98	275.2	90.066	0.032	0	216.796
Stage10	-15.65	697.688	129.288	UL-RL	0.165	10.98	275.2	93.94	0.032	0	223.227
Stage10	-16.05	704.202	131.83	UL-RL	0.165	10.98	275.2	97.814	0.032	0	229.644
Stage10	-16.45	710.717	134.36	UL-RL	0.165	10.98	275.2	101.688	0.032	0	236.048
Stage10	-16.85	717.232	136.878	UL-RL	0.165	10.98	275.2	105.561	0.032	0	242.44
Stage10	-17.25	723.748	139.386	UL-RL	0.165	10.98	275.2	109.435	0.032	0	248.821
Stage10	-17.65	730.263	141.882	UL-RL	0.165	10.98	275.2	113.309	0.032	0	255.192
Stage10	-18.05	736.92	144.37	UL-RL	0.165	10.98	275.2	117.183	0.032	0	261.553
Stage10	-18.45	743.435	146.849	UL-RL	0.165	10.98	275.2	121.057	0.032	0	267.906
Stage10	-18.85	749.95	149.321	UL-RL	0.165	10.98	275.2	124.93	0.032	0	274.251
Stage10	-19.25	756.465	151.784	UL-RL	0.165	10.98	275.2	128.804	0.032	0	280.589
Stage10	-19.65	762.98	154.241	UL-RL	0.165	10.98	275.2	132.678	0.032	0	286.92
Stage10	-20.05	769.496	156.692	UL-RL	0.165	10.98	275.2	136.552	0.032	0	293.244
Stage10	-20.45	776.011	159.136	UL-RL	0.165	10.98	275.2	140.426	0.032	0	299.562
Stage10	-20.85	782.527	161.575	UL-RL	0.165	10.98	275.2	144.3	0.032	0	305.875
Stage10	-21.25	789.043	164.009	UL-RL	0.165	10.98	275.2	148.173	0.032	0	312.183
Stage10	-21.65	795.56	166.44	UL-RL	0.165	10.98	275.2	152.047	0.032	0	318.487
Stage10	-22.05	802.076	168.869	UL-RL	0.165	10.98	275.2	155.921	0.032	0	324.79
Stage10	-22.3	806.197	170.387	UL-RL	0.165	10.98	275.2	158.342	0.032	0	328.729

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		LEFT		Lato		RIGHT		
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.25	4.705	82.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	85.971
Stage10	-7.65	10.979	82.447	UL-RL	0.165	10.98	275.2	7.221	0.032	0	89.668
Stage10	-8.05	17.253	83.207	UL-RL	0.165	10.98	275.2	11.347	0.032	0	94.554
Stage10	-8.45	23.527	85.511	UL-RL	0.165	10.98	275.2	15.473	0.032	0	100.984
Stage10	-8.85	29.801	88.694	UL-RL	0.165	10.98	275.2	19.599	0.032	0	108.294
Stage10	-9.25	36.074	92.134	UL-RL	0.165	10.98	275.2	23.726	0.032	0	115.86
Stage10	-9.65	42.348	95.477	UL-RL	0.165	10.98	275.2	27.852	0.032	0	123.329
Stage10	-10.05	48.622	98.601	UL-RL	0.165	10.98	275.2	31.978	0.032	0	130.579
Stage10	-10.45	54.896	101.511	UL-RL	0.165	10.98	275.2	36.104	0.032	0	137.616
Stage10	-10.85	61.17	104.26	UL-RL	0.165	10.98	275.2	40.23	0.032	0	144.491
Stage10	-11.25	67.444	106.902	UL-RL	0.165	10.98	275.2	44.356	0.032	0	151.258
Stage10	-11.65	73.717	109.473	UL-RL	0.165	10.98	275.2	48.483	0.032	0	157.956
Stage10	-12.05	79.991	111.998	UL-RL	0.165	10.98	275.2	52.609	0.032	0	164.607
Stage10	-12.45	86.265	114.487	UL-RL	0.165	10.98	275.2	56.735	0.032	0	171.222
Stage10	-12.85	92.539	116.945	UL-RL	0.165	10.98	275.2	60.861	0.032	0	177.806
Stage10	-13.25	98.813	119.375	UL-RL	0.165	10.98	275.2	64.987	0.032	0	184.362
Stage10	-13.65	105.086	121.779	UL-RL	0.165	10.98	275.2	69.113	0.032	0	190.892
Stage10	-14.05	111.36	124.159	UL-RL	0.165	10.98	275.2	73.24	0.032	0	197.399
Stage10	-14.45	117.634	126.518	UL-RL	0.165	10.98	275.2	77.366	0.032	0	203.884
Stage10	-14.85	123.908	128.856	UL-RL	0.165	10.98	275.2	81.492	0.032	0	210.348
Stage10	-15.25	130.182	131.178	UL-RL	0.165	10.98	275.2	85.618	0.032	0	216.796
Stage10	-15.65	136.455	133.483	UL-RL	0.165	10.98	275.2	89.744	0.032	0	223.227
Stage10	-16.05	142.729	135.773	UL-RL	0.165	10.98	275.2	93.871	0.032	0	229.644
Stage10	-16.45	149.003	138.051	UL-RL	0.165	10.98	275.2	97.997	0.032	0	236.048
Stage10	-16.85	155.277	140.317	UL-RL	0.165	10.98	275.2	102.123	0.032	0	242.44
Stage10	-17.25	161.551	142.571	UL-RL	0.165	10.98	275.2	106.249	0.032	0	248.82
Stage10	-17.65	167.824	144.816	UL-RL	0.165	10.98	275.2	110.375	0.032	0	255.191
Stage10	-18.05	174.098	147.051	UL-RL	0.165	10.98	275.2	114.502	0.032	0	261.553
Stage10	-18.45	180.372	149.278	UL-RL	0.165	10.98	275.2	118.628	0.032	0	267.906
Stage10	-18.85	186.646	151.497	UL-RL	0.165	10.98	275.2	122.754	0.032	0	274.251
Stage10	-19.25	192.92	153.708	UL-RL	0.165	10.98	275.2	126.88	0.032	0	280.588
Stage10	-19.65	199.194	155.913	UL-RL	0.165	10.98	275.2	131.006	0.032	0	286.92
Stage10	-20.05	205.467	158.112	UL-RL	0.165	10.98	275.2	135.132	0.032	0	293.244
Stage10	-20.45	211.741	160.305	UL-RL	0.165	10.98	275.2	139.259	0.032	0	299.563
Stage10	-20.85	218.015	162.492	UL-RL	0.165	10.98	275.2	143.385	0.032	0	305.877
Stage10	-21.25	224.289	164.674	UL-RL	0.165	10.98	275.2	147.511	0.032	0	312.185
Stage10	-21.65	230.563	166.85	UL-RL	0.165	10.98	275.2	151.637	0.032	0	318.488
Stage10	-22.05	236.836	169.021	UL-RL	0.165	10.98	275.2	155.763	0.032	0	324.785
Stage10	-22.3	240.758	170.375	UL-RL	0.165	10.98	275.2	158.342	0.032	0	328.717

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Rightwall - Nominal - Stage10

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato LEFT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp					
Stage10	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-4.25	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato		LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-6.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage10	-7.25	4.705	82.877	UL-RL	0.165	10.98	275.2	3.095	0.032	0	85.971
Stage10	-7.65	10.979	82.447	UL-RL	0.165	10.98	275.2	7.221	0.032	0	89.668
Stage10	-8.05	17.253	83.207	UL-RL	0.165	10.98	275.2	11.347	0.032	0	94.554
Stage10	-8.45	23.527	85.511	UL-RL	0.165	10.98	275.2	15.473	0.032	0	100.984
Stage10	-8.85	29.801	88.694	UL-RL	0.165	10.98	275.2	19.599	0.032	0	108.294
Stage10	-9.25	36.074	92.134	UL-RL	0.165	10.98	275.2	23.726	0.032	0	115.86
Stage10	-9.65	42.348	95.477	UL-RL	0.165	10.98	275.2	27.852	0.032	0	123.329
Stage10	-10.05	48.622	98.601	UL-RL	0.165	10.98	275.2	31.978	0.032	0	130.579
Stage10	-10.45	54.896	101.511	UL-RL	0.165	10.98	275.2	36.104	0.032	0	137.616
Stage10	-10.85	61.17	104.26	UL-RL	0.165	10.98	275.2	40.23	0.032	0	144.491
Stage10	-11.25	67.444	106.902	UL-RL	0.165	10.98	275.2	44.356	0.032	0	151.258
Stage10	-11.65	73.717	109.473	UL-RL	0.165	10.98	275.2	48.483	0.032	0	157.956
Stage10	-12.05	79.991	111.998	UL-RL	0.165	10.98	275.2	52.609	0.032	0	164.607
Stage10	-12.45	86.265	114.487	UL-RL	0.165	10.98	275.2	56.735	0.032	0	171.222
Stage10	-12.85	92.539	116.945	UL-RL	0.165	10.98	275.2	60.861	0.032	0	177.806
Stage10	-13.25	98.813	119.375	UL-RL	0.165	10.98	275.2	64.987	0.032	0	184.362
Stage10	-13.65	105.086	121.779	UL-RL	0.165	10.98	275.2	69.113	0.032	0	190.892
Stage10	-14.05	111.36	124.159	UL-RL	0.165	10.98	275.2	73.24	0.032	0	197.399
Stage10	-14.45	117.634	126.518	UL-RL	0.165	10.98	275.2	77.366	0.032	0	203.884
Stage10	-14.85	123.908	128.856	UL-RL	0.165	10.98	275.2	81.492	0.032	0	210.348
Stage10	-15.25	130.182	131.178	UL-RL	0.165	10.98	275.2	85.618	0.032	0	216.796
Stage10	-15.65	136.455	133.483	UL-RL	0.165	10.98	275.2	89.744	0.032	0	223.227
Stage10	-16.05	142.729	135.773	UL-RL	0.165	10.98	275.2	93.871	0.032	0	229.644
Stage10	-16.45	149.003	138.051	UL-RL	0.165	10.98	275.2	97.997	0.032	0	236.048
Stage10	-16.85	155.277	140.317	UL-RL	0.165	10.98	275.2	102.123	0.032	0	242.44
Stage10	-17.25	161.551	142.571	UL-RL	0.165	10.98	275.2	106.249	0.032	0	248.82
Stage10	-17.65	167.824	144.816	UL-RL	0.165	10.98	275.2	110.375	0.032	0	255.191
Stage10	-18.05	174.098	147.051	UL-RL	0.165	10.98	275.2	114.502	0.032	0	261.553
Stage10	-18.45	180.372	149.278	UL-RL	0.165	10.98	275.2	118.628	0.032	0	267.906
Stage10	-18.85	186.646	151.497	UL-RL	0.165	10.98	275.2	122.754	0.032	0	274.251
Stage10	-19.25	192.92	153.708	UL-RL	0.165	10.98	275.2	126.88	0.032	0	280.588
Stage10	-19.65	199.194	155.913	UL-RL	0.165	10.98	275.2	131.006	0.032	0	286.92
Stage10	-20.05	205.467	158.112	UL-RL	0.165	10.98	275.2	135.132	0.032	0	293.244
Stage10	-20.45	211.741	160.305	UL-RL	0.165	10.98	275.2	139.259	0.032	0	299.563
Stage10	-20.85	218.015	162.492	UL-RL	0.165	10.98	275.2	143.385	0.032	0	305.877
Stage10	-21.25	224.289	164.674	UL-RL	0.165	10.98	275.2	147.511	0.032	0	312.185
Stage10	-21.65	230.563	166.85	UL-RL	0.165	10.98	275.2	151.637	0.032	0	318.488
Stage10	-22.05	236.836	169.021	UL-RL	0.165	10.98	275.2	155.763	0.032	0	324.785
Stage10	-22.3	240.758	170.375	UL-RL	0.165	10.98	275.2	158.342	0.032	0	328.717

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno			Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage10	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage10	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage10	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage10	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage10	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage10	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Stage10	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Stage10	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Stage10	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Stage10	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Stage10	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Stage10	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage10	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Stage10	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Stage10	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage10	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage10	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage10	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Stage10	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Stage10	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Stage10	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Stage10	7.55	188.208	0.639	UL-RL	0.165	10.98	275.2	0	0	0.639
Stage10	7.15	198.572	1.11	UL-RL	0.165	10.98	275.2	0	0	1.11
Stage10	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Stage10	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Stage10	5.95	229.68	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage10	5.55	240.519	0.004	UL-RL	0.165	10.98	275.2	0	0	0.004
Stage10	5.15	250.879	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Stage10	4.75	261.242	0.011	UL-RL	0.165	10.98	275.2	0	0	0.011
Stage10	4.35	271.607	0.009	UL-RL	0.165	10.98	275.2	0	0	0.009
Stage10	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	3.55	292.345	3.458	UL-RL	0.165	10.98	275.2	0	0	3.458
Stage10	3.15	302.717	5.154	UL-RL	0.165	10.98	275.2	0	0	5.154
Stage10	2.75	313.091	2.535	UL-RL	0.165	10.98	275.2	0	0	2.535
Stage10	2.35	323.466	0.002	UL-RL	0.165	10.98	275.2	0	0	0.002
Stage10	1.95	333.843	0.013	UL-RL	0.165	10.98	275.2	0	0	0.013
Stage10	1.55	344.221	0.056	UL-RL	0.165	10.98	275.2	0	0	0.056
Stage10	1.15	354.6	0.188	UL-RL	0.165	10.98	275.2	0	0	0.188
Stage10	0.75	365.298	0.83	UL-RL	0.165	10.98	275.2	0	0	0.83
Stage10	0.35	375.671	1.741	UL-RL	0.165	10.98	275.2	0	0	1.741
Stage10	-0.05	386.046	2.687	UL-RL	0.165	10.98	275.2	0	0	2.687
Stage10	-0.45	396.423	3	UL-RL	0.165	10.98	275.2	0	0	3
Stage10	-0.85	406.8	1.361	UL-RL	0.165	10.98	275.2	0	0	1.361
Stage10	-1.25	417.178	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage10	-1.45	422.506	0	UL-RL	0.165	10.98	275.2	0	0	0
Stage10	-1.85	432.883	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-2.25	443.261	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-2.65	453.64	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.05	464.019	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.45	474.4	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-3.85	484.781	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-4.25	495.163	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-4.65	505.546	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-5.05	515.93	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage10	-5.45	526.314	0	ACTIVE	0.165	10.98	275.2	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		RIGHT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage10	-5.85	536.698	0	UL-RL	0.165	10.98	275.2	0	0	0	
Stage10	-6.25	544.395	0	UL-RL	0.165	10.98	275.2	2.905	0.032	0	2.905
Stage10	-6.45	547.542	3.107	UL-RL	0.165	10.98	275.2	4.842	0.032	0	7.949
Stage10	-6.85	554.052	21.815	UL-RL	0.165	10.98	275.2	8.716	0.032	0	30.531
Stage10	-7.25	560.563	43.177	UL-RL	0.165	10.98	275.2	12.59	0.032	0	55.767
Stage10	-7.65	567.075	60.725	UL-RL	0.165	10.98	275.2	16.464	0.032	0	77.189
Stage10	-8.05	573.587	72.281	UL-RL	0.165	10.98	275.2	20.338	0.032	0	92.618
Stage10	-8.45	580.296	79.092	UL-RL	0.165	10.98	275.2	24.211	0.032	0	103.303
Stage10	-8.85	586.806	83.155	UL-RL	0.165	10.98	275.2	28.085	0.032	0	111.24
Stage10	-9.25	593.316	86.036	UL-RL	0.165	10.98	275.2	31.959	0.032	0	117.995
Stage10	-9.65	599.827	88.623	UL-RL	0.165	10.98	275.2	35.833	0.032	0	124.456
Stage10	-10.05	606.338	91.276	UL-RL	0.165	10.98	275.2	39.707	0.032	0	130.982
Stage10	-10.45	612.85	94.062	UL-RL	0.165	10.98	275.2	43.58	0.032	0	137.643
Stage10	-10.85	619.362	96.933	UL-RL	0.165	10.98	275.2	47.454	0.032	0	144.387
Stage10	-11.25	625.875	99.822	UL-RL	0.165	10.98	275.2	51.328	0.032	0	151.15
Stage10	-11.65	632.388	102.685	UL-RL	0.165	10.98	275.2	55.202	0.032	0	157.887
Stage10	-12.05	638.901	105.5	UL-RL	0.165	10.98	275.2	59.076	0.032	0	164.576
Stage10	-12.45	645.415	108.266	UL-RL	0.165	10.98	275.2	62.95	0.032	0	171.216
Stage10	-12.85	651.929	110.988	UL-RL	0.165	10.98	275.2	66.823	0.032	0	177.811
Stage10	-13.25	658.608	113.673	UL-RL	0.165	10.98	275.2	70.697	0.032	0	184.37
Stage10	-13.65	665.12	116.328	UL-RL	0.165	10.98	275.2	74.571	0.032	0	190.899
Stage10	-14.05	671.633	118.958	UL-RL	0.165	10.98	275.2	78.445	0.032	0	197.403
Stage10	-14.45	678.146	121.567	UL-RL	0.165	10.98	275.2	82.319	0.032	0	203.886
Stage10	-14.85	684.66	124.157	UL-RL	0.165	10.98	275.2	86.192	0.032	0	210.35
Stage10	-15.25	691.174	126.73	UL-RL	0.165	10.98	275.2	90.066	0.032	0	216.796
Stage10	-15.65	697.688	129.288	UL-RL	0.165	10.98	275.2	93.94	0.032	0	223.227
Stage10	-16.05	704.202	131.83	UL-RL	0.165	10.98	275.2	97.814	0.032	0	229.644
Stage10	-16.45	710.717	134.36	UL-RL	0.165	10.98	275.2	101.688	0.032	0	236.048
Stage10	-16.85	717.232	136.878	UL-RL	0.165	10.98	275.2	105.561	0.032	0	242.44
Stage10	-17.25	723.748	139.386	UL-RL	0.165	10.98	275.2	109.435	0.032	0	248.821
Stage10	-17.65	730.263	141.882	UL-RL	0.165	10.98	275.2	113.309	0.032	0	255.192
Stage10	-18.05	736.92	144.37	UL-RL	0.165	10.98	275.2	117.183	0.032	0	261.553
Stage10	-18.45	743.435	146.849	UL-RL	0.165	10.98	275.2	121.057	0.032	0	267.906
Stage10	-18.85	749.95	149.321	UL-RL	0.165	10.98	275.2	124.93	0.032	0	274.251
Stage10	-19.25	756.465	151.784	UL-RL	0.165	10.98	275.2	128.804	0.032	0	280.589
Stage10	-19.65	762.98	154.241	UL-RL	0.165	10.98	275.2	132.678	0.032	0	286.92
Stage10	-20.05	769.496	156.692	UL-RL	0.165	10.98	275.2	136.552	0.032	0	293.244
Stage10	-20.45	776.011	159.136	UL-RL	0.165	10.98	275.2	140.426	0.032	0	299.562
Stage10	-20.85	782.527	161.575	UL-RL	0.165	10.98	275.2	144.3	0.032	0	305.875
Stage10	-21.25	789.043	164.009	UL-RL	0.165	10.98	275.2	148.173	0.032	0	312.183
Stage10	-21.65	795.56	166.44	UL-RL	0.165	10.98	275.2	152.047	0.032	0	318.487
Stage10	-22.05	802.076	168.869	UL-RL	0.165	10.98	275.2	155.921	0.032	0	324.79
Stage10	-22.3	806.197	170.387	UL-RL	0.165	10.98	275.2	158.342	0.032	0	328.729

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Tabella Risultati Terreno Paratia - Nominal - Stage11

Design Assumption: Nominal Risultati Terreno				Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage11	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	0	15.71
Stage11	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	0	4.133
Stage11	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0	0.886
Stage11	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	0	3.849
Stage11	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	0	8.593
Stage11	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	0	13.288
Stage11	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	0	18
Stage11	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	0	22.515
Stage11	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	0	26.758
Stage11	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	0	30.052
Stage11	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	0	32.984
Stage11	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	0	35.24
Stage11	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	0	36.41
Stage11	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	0	38.275
Stage11	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	0	40.974
Stage11	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	0	42.868
Stage11	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	0	46.3
Stage11	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	0	49.736
Stage11	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0	0.085
Stage11	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0	0.22
Stage11	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0	0.397
Stage11	7.55	188.208	0.639	UL-RL	0.165	10.98	275.2	0	0	0	0.639
Stage11	7.15	198.572	1.11	UL-RL	0.165	10.98	275.2	0	0	0	1.11
Stage11	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	0	1.248
Stage11	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0	0.44
Stage11	5.95	229.68	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Stage11	5.55	240.519	0.004	UL-RL	0.165	10.98	275.2	0	0	0	0.004
Stage11	5.15	250.879	0.008	UL-RL	0.165	10.98	275.2	0	0	0	0.008
Stage11	4.75	261.242	0.011	UL-RL	0.165	10.98	275.2	0	0	0	0.011
Stage11	4.35	271.607	0.009	UL-RL	0.165	10.98	275.2	0	0	0	0.009
Stage11	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	3.55	292.345	3.458	UL-RL	0.165	10.98	275.2	0	0	0	3.458
Stage11	3.15	302.717	5.153	UL-RL	0.165	10.98	275.2	0	0	0	5.153
Stage11	2.75	313.091	2.534	UL-RL	0.165	10.98	275.2	0	0	0	2.534
Stage11	2.35	323.466	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Stage11	1.95	333.843	0.014	UL-RL	0.165	10.98	275.2	0	0	0	0.014
Stage11	1.55	344.221	0.06	UL-RL	0.165	10.98	275.2	0	0	0	0.06
Stage11	1.15	354.6	0.197	UL-RL	0.165	10.98	275.2	0	0	0	0.197
Stage11	0.75	365.298	0.847	UL-RL	0.165	10.98	275.2	0	0	0	0.847
Stage11	0.35	375.671	1.763	UL-RL	0.165	10.98	275.2	0	0	0	1.763
Stage11	-0.05	386.046	2.707	UL-RL	0.165	10.98	275.2	0	0	0	2.707
Stage11	-0.45	396.423	2.997	UL-RL	0.165	10.98	275.2	0	0	0	2.997
Stage11	-0.85	406.8	1.3	UL-RL	0.165	10.98	275.2	0	0	0	1.3
Stage11	-1.25	417.178	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-1.45	422.506	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-1.85	432.883	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-2.25	443.261	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-2.65	453.64	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-3.05	464.019	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-3.45	474.4	0.043	UL-RL	0.165	10.98	275.2	0	0	0	0.043
Stage11	-3.85	484.781	0.146	UL-RL	0.165	10.98	275.2	0	0	0	0.146
Stage11	-4.25	495.163	1.004	UL-RL	0.165	10.98	275.2	0	0	0	1.004

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT		Lato		LEFT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage11	-4.65	505.546	2.171	UL-RL	0.165	10.98	275.2	0	0	0	2.171
Stage11	-5.05	515.93	3.364	UL-RL	0.165	10.98	275.2	0	0	0	3.364
Stage11	-5.45	526.314	3.758	UL-RL	0.165	10.98	275.2	0	0	0	3.758
Stage11	-5.85	536.698	1.716	UL-RL	0.165	10.98	275.2	0	0	0	1.716
Stage11	-6.25	547.3	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-6.45	552.384	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-6.85	562.768	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-7.25	573.153	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-7.65	583.538	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-8.05	593.924	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-8.45	604.507	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-8.85	614.891	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-9.25	625.275	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-9.65	635.66	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-10.05	646.045	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-10.45	656.43	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-10.85	666.816	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-11.25	677.203	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-11.65	684.542	8.456	UL-RL	0.165	10.98	275.2	3.047	0.048	0	11.503
Stage11	-12.05	691.12	32.415	UL-RL	0.165	10.98	275.2	6.856	0.048	0	39.272
Stage11	-12.45	697.699	59.384	UL-RL	0.165	10.98	275.2	10.665	0.048	0	70.049
Stage11	-12.85	704.278	80.831	UL-RL	0.165	10.98	275.2	14.474	0.048	0	95.305
Stage11	-13.25	711.022	94.23	UL-RL	0.165	10.98	275.2	18.283	0.048	0	112.513
Stage11	-13.65	717.599	101.589	UL-RL	0.165	10.98	275.2	22.092	0.048	0	123.681
Stage11	-14.05	724.177	105.685	UL-RL	0.165	10.98	275.2	25.901	0.048	0	131.586
Stage11	-14.45	730.755	108.538	UL-RL	0.165	10.98	275.2	29.71	0.048	0	138.248
Stage11	-14.85	737.333	111.194	UL-RL	0.165	10.98	275.2	33.519	0.048	0	144.713
Stage11	-15.25	743.912	114.014	UL-RL	0.165	10.98	275.2	37.328	0.048	0	151.342
Stage11	-15.65	750.491	117.015	UL-RL	0.165	10.98	275.2	41.137	0.048	0	158.152
Stage11	-16.05	757.07	120.106	UL-RL	0.165	10.98	275.2	44.946	0.048	0	165.052
Stage11	-16.45	763.65	123.203	UL-RL	0.165	10.98	275.2	48.755	0.048	0	171.958
Stage11	-16.85	770.23	126.255	UL-RL	0.165	10.98	275.2	52.564	0.048	0	178.818
Stage11	-17.25	776.81	129.246	UL-RL	0.165	10.98	275.2	56.373	0.048	0	185.619
Stage11	-17.65	783.391	132.179	UL-RL	0.165	10.98	275.2	60.182	0.048	0	192.361
Stage11	-18.05	790.112	135.064	UL-RL	0.165	10.98	275.2	63.991	0.048	0	199.055
Stage11	-18.45	796.692	137.909	UL-RL	0.165	10.98	275.2	67.8	0.048	0	205.709
Stage11	-18.85	803.272	140.723	UL-RL	0.165	10.98	275.2	71.609	0.048	0	212.331
Stage11	-19.25	809.851	143.509	UL-RL	0.165	10.98	275.2	75.418	0.048	0	218.926
Stage11	-19.65	816.432	146.271	UL-RL	0.165	10.98	275.2	79.227	0.048	0	225.498
Stage11	-20.05	823.012	149.011	UL-RL	0.165	10.98	275.2	83.036	0.048	0	232.047
Stage11	-20.45	829.592	151.732	UL-RL	0.165	10.98	275.2	86.845	0.048	0	238.576
Stage11	-20.85	836.173	154.434	UL-RL	0.165	10.98	275.2	90.654	0.048	0	245.087
Stage11	-21.25	842.754	157.12	UL-RL	0.165	10.98	275.2	94.463	0.048	0	251.583
Stage11	-21.65	849.335	159.795	UL-RL	0.165	10.98	275.2	98.272	0.048	0	258.067
Stage11	-22.05	855.917	162.463	UL-RL	0.165	10.98	275.2	102.08	0.048	0	264.544
Stage11	-22.3	860.078	164.13	UL-RL	0.165	10.98	275.2	104.461	0.048	0	268.591

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage11	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-5.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		LEFT		Lato		RIGHT		
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage11	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-6.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-6.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-7.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-7.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-8.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-8.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-8.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-9.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-9.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-10.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-10.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-10.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-11.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-11.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-12.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-12.45	1.863	110.502	UL-RL	0.165	10.98	275.2	1.257	0.048	0	111.759
Stage11	-12.85	8.072	106.176	UL-RL	0.165	10.98	275.2	5.448	0.048	0	111.624
Stage11	-13.25	14.281	104.385	UL-RL	0.165	10.98	275.2	9.639	0.048	0	114.024
Stage11	-13.65	20.489	105.978	UL-RL	0.165	10.98	275.2	13.83	0.048	0	119.809
Stage11	-14.05	26.698	109.386	UL-RL	0.165	10.98	275.2	18.021	0.048	0	127.407
Stage11	-14.45	32.907	113.295	UL-RL	0.165	10.98	275.2	22.212	0.048	0	135.507
Stage11	-14.85	39.116	117.032	UL-RL	0.165	10.98	275.2	26.403	0.048	0	143.436
Stage11	-15.25	45.325	120.4	UL-RL	0.165	10.98	275.2	30.594	0.048	0	150.994
Stage11	-15.65	51.534	123.436	UL-RL	0.165	10.98	275.2	34.785	0.048	0	158.221
Stage11	-16.05	57.743	126.247	UL-RL	0.165	10.98	275.2	38.976	0.048	0	165.223
Stage11	-16.45	63.952	128.926	UL-RL	0.165	10.98	275.2	43.167	0.048	0	172.094
Stage11	-16.85	70.161	131.532	UL-RL	0.165	10.98	275.2	47.358	0.048	0	178.89
Stage11	-17.25	76.37	134.093	UL-RL	0.165	10.98	275.2	51.549	0.048	0	185.642
Stage11	-17.65	82.579	136.619	UL-RL	0.165	10.98	275.2	55.74	0.048	0	192.359
Stage11	-18.05	88.788	139.113	UL-RL	0.165	10.98	275.2	59.932	0.048	0	199.044
Stage11	-18.45	94.997	141.577	UL-RL	0.165	10.98	275.2	64.123	0.048	0	205.699
Stage11	-18.85	101.206	144.011	UL-RL	0.165	10.98	275.2	68.314	0.048	0	212.324
Stage11	-19.25	107.415	146.418	UL-RL	0.165	10.98	275.2	72.505	0.048	0	218.923
Stage11	-19.65	113.624	148.8	UL-RL	0.165	10.98	275.2	76.696	0.048	0	225.496
Stage11	-20.05	119.833	151.161	UL-RL	0.165	10.98	275.2	80.887	0.048	0	232.048
Stage11	-20.45	126.042	153.501	UL-RL	0.165	10.98	275.2	85.078	0.048	0	238.579
Stage11	-20.85	132.251	155.824	UL-RL	0.165	10.98	275.2	89.269	0.048	0	245.092
Stage11	-21.25	138.46	158.129	UL-RL	0.165	10.98	275.2	93.46	0.048	0	251.589
Stage11	-21.65	144.669	160.417	UL-RL	0.165	10.98	275.2	97.651	0.048	0	258.068
Stage11	-22.05	150.878	162.687	UL-RL	0.165	10.98	275.2	101.842	0.048	0	264.529
Stage11	-22.3	154.759	164.095	UL-RL	0.165	10.98	275.2	104.461	0.048	0	268.556

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Stage11

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT		Lato LEFT		Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
				Stato	Ka	Kp					
Stage11	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-4.25	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		LEFT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage11	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-6.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-6.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-7.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-7.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-8.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-8.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-8.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-9.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-9.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-10.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-10.45	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-10.85	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-11.25	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-11.65	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-12.05	0	0	REMOVED	0	0	0	0	0	0	0
Stage11	-12.45	1.863	110.502	UL-RL	0.165	10.98	275.2	1.257	0.048	0	111.759
Stage11	-12.85	8.072	106.176	UL-RL	0.165	10.98	275.2	5.448	0.048	0	111.624
Stage11	-13.25	14.281	104.385	UL-RL	0.165	10.98	275.2	9.639	0.048	0	114.024
Stage11	-13.65	20.489	105.978	UL-RL	0.165	10.98	275.2	13.83	0.048	0	119.809
Stage11	-14.05	26.698	109.386	UL-RL	0.165	10.98	275.2	18.021	0.048	0	127.407
Stage11	-14.45	32.907	113.295	UL-RL	0.165	10.98	275.2	22.212	0.048	0	135.507
Stage11	-14.85	39.116	117.032	UL-RL	0.165	10.98	275.2	26.403	0.048	0	143.436
Stage11	-15.25	45.325	120.4	UL-RL	0.165	10.98	275.2	30.594	0.048	0	150.994
Stage11	-15.65	51.534	123.436	UL-RL	0.165	10.98	275.2	34.785	0.048	0	158.221
Stage11	-16.05	57.743	126.247	UL-RL	0.165	10.98	275.2	38.976	0.048	0	165.223
Stage11	-16.45	63.952	128.926	UL-RL	0.165	10.98	275.2	43.167	0.048	0	172.094
Stage11	-16.85	70.161	131.532	UL-RL	0.165	10.98	275.2	47.358	0.048	0	178.89
Stage11	-17.25	76.37	134.093	UL-RL	0.165	10.98	275.2	51.549	0.048	0	185.642
Stage11	-17.65	82.579	136.619	UL-RL	0.165	10.98	275.2	55.74	0.048	0	192.359
Stage11	-18.05	88.788	139.113	UL-RL	0.165	10.98	275.2	59.932	0.048	0	199.044
Stage11	-18.45	94.997	141.577	UL-RL	0.165	10.98	275.2	64.123	0.048	0	205.699
Stage11	-18.85	101.206	144.011	UL-RL	0.165	10.98	275.2	68.314	0.048	0	212.324
Stage11	-19.25	107.415	146.418	UL-RL	0.165	10.98	275.2	72.505	0.048	0	218.923
Stage11	-19.65	113.624	148.8	UL-RL	0.165	10.98	275.2	76.696	0.048	0	225.496
Stage11	-20.05	119.833	151.161	UL-RL	0.165	10.98	275.2	80.887	0.048	0	232.048
Stage11	-20.45	126.042	153.501	UL-RL	0.165	10.98	275.2	85.078	0.048	0	238.579
Stage11	-20.85	132.251	155.824	UL-RL	0.165	10.98	275.2	89.269	0.048	0	245.092
Stage11	-21.25	138.46	158.129	UL-RL	0.165	10.98	275.2	93.46	0.048	0	251.589
Stage11	-21.65	144.669	160.417	UL-RL	0.165	10.98	275.2	97.651	0.048	0	258.068
Stage11	-22.05	150.878	162.687	UL-RL	0.165	10.98	275.2	101.842	0.048	0	264.529
Stage11	-22.3	154.759	164.095	UL-RL	0.165	10.98	275.2	104.461	0.048	0	268.556

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 POZZO DI ACCESSO GASTALDI LATO GENOVA -
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT Stato	Lato Ka	RIGHT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Stage11	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Stage11	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Stage11	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Stage11	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Stage11	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Stage11	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Stage11	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Stage11	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Stage11	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Stage11	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Stage11	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Stage11	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Stage11	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Stage11	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Stage11	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Stage11	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Stage11	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Stage11	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Stage11	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Stage11	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Stage11	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Stage11	7.55	188.208	0.639	UL-RL	0.165	10.98	275.2	0	0	0.639
Stage11	7.15	198.572	1.11	UL-RL	0.165	10.98	275.2	0	0	1.11
Stage11	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Stage11	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Stage11	5.95	229.68	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage11	5.55	240.519	0.004	UL-RL	0.165	10.98	275.2	0	0	0.004
Stage11	5.15	250.879	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Stage11	4.75	261.242	0.011	UL-RL	0.165	10.98	275.2	0	0	0.011
Stage11	4.35	271.607	0.009	UL-RL	0.165	10.98	275.2	0	0	0.009
Stage11	3.95	281.975	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage11	3.55	292.345	3.458	UL-RL	0.165	10.98	275.2	0	0	3.458
Stage11	3.15	302.717	5.153	UL-RL	0.165	10.98	275.2	0	0	5.153
Stage11	2.75	313.091	2.534	UL-RL	0.165	10.98	275.2	0	0	2.534
Stage11	2.35	323.466	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Stage11	1.95	333.843	0.014	UL-RL	0.165	10.98	275.2	0	0	0.014
Stage11	1.55	344.221	0.06	UL-RL	0.165	10.98	275.2	0	0	0.06
Stage11	1.15	354.6	0.197	UL-RL	0.165	10.98	275.2	0	0	0.197
Stage11	0.75	365.298	0.847	UL-RL	0.165	10.98	275.2	0	0	0.847
Stage11	0.35	375.671	1.763	UL-RL	0.165	10.98	275.2	0	0	1.763
Stage11	-0.05	386.046	2.707	UL-RL	0.165	10.98	275.2	0	0	2.707
Stage11	-0.45	396.423	2.997	UL-RL	0.165	10.98	275.2	0	0	2.997
Stage11	-0.85	406.8	1.3	UL-RL	0.165	10.98	275.2	0	0	1.3
Stage11	-1.25	417.178	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage11	-1.45	422.506	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage11	-1.85	432.883	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage11	-2.25	443.261	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage11	-2.65	453.64	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage11	-3.05	464.019	0	ACTIVE	0.165	10.98	275.2	0	0	0
Stage11	-3.45	474.4	0.043	UL-RL	0.165	10.98	275.2	0	0	0.043
Stage11	-3.85	484.781	0.146	UL-RL	0.165	10.98	275.2	0	0	0.146
Stage11	-4.25	495.163	1.004	UL-RL	0.165	10.98	275.2	0	0	1.004
Stage11	-4.65	505.546	2.171	UL-RL	0.165	10.98	275.2	0	0	2.171
Stage11	-5.05	515.93	3.364	UL-RL	0.165	10.98	275.2	0	0	3.364
Stage11	-5.45	526.314	3.758	UL-RL	0.165	10.98	275.2	0	0	3.758

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Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	RIGHT		Lato		RIGHT			
				Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Stage11	-5.85	536.698	1.716	UL-RL	0.165	10.98	275.2	0	0	0	1.716
Stage11	-6.25	547.3	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-6.45	552.384	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-6.85	562.768	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-7.25	573.153	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-7.65	583.538	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-8.05	593.924	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-8.45	604.507	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-8.85	614.891	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-9.25	625.275	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-9.65	635.66	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-10.05	646.045	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-10.45	656.43	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-10.85	666.816	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-11.25	677.203	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Stage11	-11.65	684.542	8.456	UL-RL	0.165	10.98	275.2	3.047	0.048	0	11.503
Stage11	-12.05	691.12	32.415	UL-RL	0.165	10.98	275.2	6.856	0.048	0	39.272
Stage11	-12.45	697.699	59.384	UL-RL	0.165	10.98	275.2	10.665	0.048	0	70.049
Stage11	-12.85	704.278	80.831	UL-RL	0.165	10.98	275.2	14.474	0.048	0	95.305
Stage11	-13.25	711.022	94.23	UL-RL	0.165	10.98	275.2	18.283	0.048	0	112.513
Stage11	-13.65	717.599	101.589	UL-RL	0.165	10.98	275.2	22.092	0.048	0	123.681
Stage11	-14.05	724.177	105.685	UL-RL	0.165	10.98	275.2	25.901	0.048	0	131.586
Stage11	-14.45	730.755	108.538	UL-RL	0.165	10.98	275.2	29.71	0.048	0	138.248
Stage11	-14.85	737.333	111.194	UL-RL	0.165	10.98	275.2	33.519	0.048	0	144.713
Stage11	-15.25	743.912	114.014	UL-RL	0.165	10.98	275.2	37.328	0.048	0	151.342
Stage11	-15.65	750.491	117.015	UL-RL	0.165	10.98	275.2	41.137	0.048	0	158.152
Stage11	-16.05	757.07	120.106	UL-RL	0.165	10.98	275.2	44.946	0.048	0	165.052
Stage11	-16.45	763.65	123.203	UL-RL	0.165	10.98	275.2	48.755	0.048	0	171.958
Stage11	-16.85	770.23	126.255	UL-RL	0.165	10.98	275.2	52.564	0.048	0	178.818
Stage11	-17.25	776.81	129.246	UL-RL	0.165	10.98	275.2	56.373	0.048	0	185.619
Stage11	-17.65	783.391	132.179	UL-RL	0.165	10.98	275.2	60.182	0.048	0	192.361
Stage11	-18.05	790.112	135.064	UL-RL	0.165	10.98	275.2	63.991	0.048	0	199.055
Stage11	-18.45	796.692	137.909	UL-RL	0.165	10.98	275.2	67.8	0.048	0	205.709
Stage11	-18.85	803.272	140.723	UL-RL	0.165	10.98	275.2	71.609	0.048	0	212.331
Stage11	-19.25	809.851	143.509	UL-RL	0.165	10.98	275.2	75.418	0.048	0	218.926
Stage11	-19.65	816.432	146.271	UL-RL	0.165	10.98	275.2	79.227	0.048	0	225.498
Stage11	-20.05	823.012	149.011	UL-RL	0.165	10.98	275.2	83.036	0.048	0	232.047
Stage11	-20.45	829.592	151.732	UL-RL	0.165	10.98	275.2	86.845	0.048	0	238.576
Stage11	-20.85	836.173	154.434	UL-RL	0.165	10.98	275.2	90.654	0.048	0	245.087
Stage11	-21.25	842.754	157.12	UL-RL	0.165	10.98	275.2	94.463	0.048	0	251.583
Stage11	-21.65	849.335	159.795	UL-RL	0.165	10.98	275.2	98.272	0.048	0	258.067
Stage11	-22.05	855.917	162.463	UL-RL	0.165	10.98	275.2	102.08	0.048	0	264.544
Stage11	-22.3	860.078	164.13	UL-RL	0.165	10.98	275.2	104.461	0.048	0	268.591

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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Paratia - Nominal - Scavo NORM.

Design Assumption: Nominal Risultati Terreno										
Stage	Z (m)	Sigma V (kPa)	Muro: Sigma H (kPa)	LEFT Stato	Lato Ka	LEFT Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Scavo NORM.	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	15.71
Scavo NORM.	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	4.133
Scavo NORM.	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0.886
Scavo NORM.	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	3.849
Scavo NORM.	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	8.593
Scavo NORM.	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	13.288
Scavo NORM.	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	18
Scavo NORM.	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	22.515
Scavo NORM.	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	26.758
Scavo NORM.	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	30.052
Scavo NORM.	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	32.984
Scavo NORM.	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	35.24
Scavo NORM.	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	36.41
Scavo NORM.	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	38.275
Scavo NORM.	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	40.974
Scavo NORM.	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	42.868
Scavo NORM.	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	46.3
Scavo NORM.	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	49.736
Scavo NORM.	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0.085
Scavo NORM.	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0.22
Scavo NORM.	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0.397
Scavo NORM.	7.55	188.208	0.639	UL-RL	0.165	10.98	275.2	0	0	0.639
Scavo NORM.	7.15	198.572	1.11	UL-RL	0.165	10.98	275.2	0	0	1.11
Scavo NORM.	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	1.248
Scavo NORM.	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0.44
Scavo NORM.	5.95	229.68	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Scavo NORM.	5.55	240.519	0.004	UL-RL	0.165	10.98	275.2	0	0	0.004
Scavo NORM.	5.15	250.879	0.008	UL-RL	0.165	10.98	275.2	0	0	0.008
Scavo NORM.	4.75	261.242	0.011	UL-RL	0.165	10.98	275.2	0	0	0.011
Scavo NORM.	4.35	271.607	0.009	UL-RL	0.165	10.98	275.2	0	0	0.009
Scavo NORM.	3.95	281.975	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	3.55	292.345	3.458	UL-RL	0.165	10.98	275.2	0	0	3.458
Scavo NORM.	3.15	302.717	5.153	UL-RL	0.165	10.98	275.2	0	0	5.153
Scavo NORM.	2.75	313.091	2.534	UL-RL	0.165	10.98	275.2	0	0	2.534
Scavo NORM.	2.35	323.466	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Scavo NORM.	1.95	333.843	0.014	UL-RL	0.165	10.98	275.2	0	0	0.014
Scavo NORM.	1.55	344.221	0.06	UL-RL	0.165	10.98	275.2	0	0	0.06
Scavo NORM.	1.15	354.6	0.197	UL-RL	0.165	10.98	275.2	0	0	0.197
Scavo NORM.	0.75	365.298	0.847	UL-RL	0.165	10.98	275.2	0	0	0.847
Scavo NORM.	0.35	375.671	1.763	UL-RL	0.165	10.98	275.2	0	0	1.763
Scavo NORM.	-0.05	386.046	2.707	UL-RL	0.165	10.98	275.2	0	0	2.707
Scavo NORM.	-0.45	396.423	2.997	UL-RL	0.165	10.98	275.2	0	0	2.997
Scavo NORM.	-0.85	406.8	1.3	UL-RL	0.165	10.98	275.2	0	0	1.3
Scavo NORM.	-1.25	417.178	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	-1.45	422.506	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	-1.85	432.883	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	-2.25	443.261	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	-2.65	453.64	0	UL-RL	0.165	10.98	275.2	0	0	0
Scavo NORM.	-3.05	464.019	0.001	UL-RL	0.165	10.98	275.2	0	0	0.001
Scavo NORM.	-3.45	474.4	0.044	UL-RL	0.165	10.98	275.2	0	0	0.044
Scavo NORM.	-3.85	484.781	0.146	UL-RL	0.165	10.98	275.2	0	0	0.146
Scavo NORM.	-4.25	495.163	1.002	UL-RL	0.165	10.98	275.2	0	0	1.002

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT	Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-4.65	505.546	2.166	UL-RL	0.165	10.98	275.2	0	0	0	2.166
Scavo NORM.	-5.05	515.93	3.356	UL-RL	0.165	10.98	275.2	0	0	0	3.356
Scavo NORM.	-5.45	526.314	3.746	UL-RL	0.165	10.98	275.2	0	0	0	3.746
Scavo NORM.	-5.85	536.698	1.705	UL-RL	0.165	10.98	275.2	0	0	0	1.705
Scavo NORM.	-6.25	547.3	0.025	UL-RL	0.165	10.98	275.2	0	0	0	0.025
Scavo NORM.	-6.45	552.384	0.041	UL-RL	0.165	10.98	275.2	0	0	0	0.041
Scavo NORM.	-6.85	562.768	0.084	UL-RL	0.165	10.98	275.2	0	0	0	0.084
Scavo NORM.	-7.25	573.153	0.122	UL-RL	0.165	10.98	275.2	0	0	0	0.122
Scavo NORM.	-7.65	583.538	0.145	UL-RL	0.165	10.98	275.2	0	0	0	0.145
Scavo NORM.	-8.05	593.924	0.104	UL-RL	0.165	10.98	275.2	0	0	0	0.104
Scavo NORM.	-8.45	604.507	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-8.85	614.891	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-9.25	625.275	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-9.65	635.66	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-10.05	646.045	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-10.45	656.43	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-10.85	666.816	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-11.25	677.203	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-11.65	687.59	0	ACTIVE	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-12.05	695.887	8.356	UL-RL	0.165	10.98	275.2	2.09	0.05	0	10.445
Scavo NORM.	-12.45	702.475	32.595	UL-RL	0.165	10.98	275.2	5.889	0.05	0	38.484
Scavo NORM.	-12.85	709.064	59.723	UL-RL	0.165	10.98	275.2	9.688	0.05	0	69.412
Scavo NORM.	-13.25	715.817	81.446	UL-RL	0.165	10.98	275.2	13.488	0.05	0	94.934
Scavo NORM.	-13.65	722.404	95.141	UL-RL	0.165	10.98	275.2	17.287	0.05	0	112.428
Scavo NORM.	-14.05	728.991	102.724	UL-RL	0.165	10.98	275.2	21.087	0.05	0	123.811
Scavo NORM.	-14.45	735.579	106.966	UL-RL	0.165	10.98	275.2	24.886	0.05	0	131.852
Scavo NORM.	-14.85	742.167	109.912	UL-RL	0.165	10.98	275.2	28.685	0.05	0	138.597
Scavo NORM.	-15.25	748.755	112.631	UL-RL	0.165	10.98	275.2	32.485	0.05	0	145.116
Scavo NORM.	-15.65	755.344	115.5	UL-RL	0.165	10.98	275.2	36.284	0.05	0	151.784
Scavo NORM.	-16.05	761.933	118.543	UL-RL	0.165	10.98	275.2	40.084	0.05	0	158.627
Scavo NORM.	-16.45	768.522	121.674	UL-RL	0.165	10.98	275.2	43.883	0.05	0	165.557
Scavo NORM.	-16.85	775.111	124.806	UL-RL	0.165	10.98	275.2	47.682	0.05	0	172.489
Scavo NORM.	-17.25	781.701	127.891	UL-RL	0.165	10.98	275.2	51.482	0.05	0	179.373
Scavo NORM.	-17.65	788.291	130.914	UL-RL	0.165	10.98	275.2	55.281	0.05	0	186.195
Scavo NORM.	-18.05	795.023	133.876	UL-RL	0.165	10.98	275.2	59.081	0.05	0	192.957
Scavo NORM.	-18.45	801.612	136.788	UL-RL	0.165	10.98	275.2	62.88	0.05	0	199.668
Scavo NORM.	-18.85	808.201	139.66	UL-RL	0.165	10.98	275.2	66.679	0.05	0	206.339
Scavo NORM.	-19.25	814.79	142.498	UL-RL	0.165	10.98	275.2	70.479	0.05	0	212.977
Scavo NORM.	-19.65	821.38	145.308	UL-RL	0.165	10.98	275.2	74.278	0.05	0	219.586
Scavo NORM.	-20.05	827.97	148.093	UL-RL	0.165	10.98	275.2	78.078	0.05	0	226.17
Scavo NORM.	-20.45	834.56	150.855	UL-RL	0.165	10.98	275.2	81.877	0.05	0	232.732
Scavo NORM.	-20.85	841.15	153.597	UL-RL	0.165	10.98	275.2	85.676	0.05	0	239.273
Scavo NORM.	-21.25	847.741	156.321	UL-RL	0.165	10.98	275.2	89.476	0.05	0	245.797
Scavo NORM.	-21.65	854.332	159.032	UL-RL	0.165	10.98	275.2	93.275	0.05	0	252.307
Scavo NORM.	-22.05	860.923	161.735	UL-RL	0.165	10.98	275.2	97.075	0.05	0	258.81
Scavo NORM.	-22.3	865.09	163.424	UL-RL	0.165	10.98	275.2	99.449	0.05	0	262.873

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Design Assumption: Nominal Risultati Terreno			Muro:	LEFT	Lato	RIGHT					
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.45	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Sigma V (kPa)	Muro:		LEFT		Lato		RIGHT		
			Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-9.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-9.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-10.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-10.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-10.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-11.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-11.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-12.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-12.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-12.85	0.31	108.57	UL-RL	0.165	10.98	275.2	0.21	0.05	0	108.78
Scavo NORM.	-13.25	6.509	107.382	UL-RL	0.165	10.98	275.2	4.411	0.05	0	111.793
Scavo NORM.	-13.65	12.709	105.672	UL-RL	0.165	10.98	275.2	8.611	0.05	0	114.283
Scavo NORM.	-14.05	18.908	107.231	UL-RL	0.165	10.98	275.2	12.812	0.05	0	120.042
Scavo NORM.	-14.45	25.107	110.647	UL-RL	0.165	10.98	275.2	17.012	0.05	0	127.659
Scavo NORM.	-14.85	31.307	114.6	UL-RL	0.165	10.98	275.2	21.213	0.05	0	135.813
Scavo NORM.	-15.25	37.506	118.391	UL-RL	0.165	10.98	275.2	25.414	0.05	0	143.805
Scavo NORM.	-15.65	43.706	121.805	UL-RL	0.165	10.98	275.2	29.614	0.05	0	151.419
Scavo NORM.	-16.05	49.905	124.876	UL-RL	0.165	10.98	275.2	33.815	0.05	0	158.69
Scavo NORM.	-16.45	56.104	127.711	UL-RL	0.165	10.98	275.2	38.015	0.05	0	165.727
Scavo NORM.	-16.85	62.304	130.409	UL-RL	0.165	10.98	275.2	42.216	0.05	0	172.625
Scavo NORM.	-17.25	68.503	133.029	UL-RL	0.165	10.98	275.2	46.417	0.05	0	179.445
Scavo NORM.	-17.65	74.703	135.601	UL-RL	0.165	10.98	275.2	50.617	0.05	0	186.218
Scavo NORM.	-18.05	80.902	138.136	UL-RL	0.165	10.98	275.2	54.818	0.05	0	192.954
Scavo NORM.	-18.45	87.101	140.639	UL-RL	0.165	10.98	275.2	59.018	0.05	0	199.657
Scavo NORM.	-18.85	93.301	143.11	UL-RL	0.165	10.98	275.2	63.219	0.05	0	206.329
Scavo NORM.	-19.25	99.5	145.55	UL-RL	0.165	10.98	275.2	67.42	0.05	0	212.97
Scavo NORM.	-19.65	105.7	147.962	UL-RL	0.165	10.98	275.2	71.62	0.05	0	219.583
Scavo NORM.	-20.05	111.899	150.349	UL-RL	0.165	10.98	275.2	75.821	0.05	0	226.17
Scavo NORM.	-20.45	118.098	152.713	UL-RL	0.165	10.98	275.2	80.021	0.05	0	232.735
Scavo NORM.	-20.85	124.298	155.057	UL-RL	0.165	10.98	275.2	84.222	0.05	0	239.279
Scavo NORM.	-21.25	130.497	157.381	UL-RL	0.165	10.98	275.2	88.423	0.05	0	245.804
Scavo NORM.	-21.65	136.697	159.686	UL-RL	0.165	10.98	275.2	92.623	0.05	0	252.309
Scavo NORM.	-22.05	142.896	161.969	UL-RL	0.165	10.98	275.2	96.824	0.05	0	258.793
Scavo NORM.	-22.3	146.771	163.385	UL-RL	0.165	10.98	275.2	99.449	0.05	0	262.834

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
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Tabella Risultati Terreno Rightwall - Nominal - Scavo NORM.

Design Assumption: Nominal Risultati Terreno		Muro:		RIGHT	Lato		LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	15.7	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	15.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	14.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	13.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	12.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	11.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	10.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	9.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	8.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	7.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	6.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	5.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	4.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	3.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	2.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.95	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.55	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	1.15	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.75	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	0.35	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-0.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-1.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-2.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-3.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-4.25	0	0	REMOVED	0	0	0	0	0	0	0

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Risultati Terreno											
Stage	Z (m)	Muro:		RIGHT		Lato		LEFT			
		Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)	
Scavo NORM.	-4.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-5.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-6.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-7.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-8.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-9.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-9.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-10.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-10.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-10.85	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-11.25	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-11.65	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-12.05	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-12.45	0	0	REMOVED	0	0	0	0	0	0	0
Scavo NORM.	-12.85	0.31	108.57	UL-RL	0.165	10.98	275.2	0.21	0.05	0	108.78
Scavo NORM.	-13.25	6.509	107.382	UL-RL	0.165	10.98	275.2	4.411	0.05	0	111.793
Scavo NORM.	-13.65	12.709	105.672	UL-RL	0.165	10.98	275.2	8.611	0.05	0	114.283
Scavo NORM.	-14.05	18.908	107.231	UL-RL	0.165	10.98	275.2	12.812	0.05	0	120.042
Scavo NORM.	-14.45	25.107	110.647	UL-RL	0.165	10.98	275.2	17.012	0.05	0	127.659
Scavo NORM.	-14.85	31.307	114.6	UL-RL	0.165	10.98	275.2	21.213	0.05	0	135.813
Scavo NORM.	-15.25	37.506	118.391	UL-RL	0.165	10.98	275.2	25.414	0.05	0	143.805
Scavo NORM.	-15.65	43.706	121.805	UL-RL	0.165	10.98	275.2	29.614	0.05	0	151.419
Scavo NORM.	-16.05	49.905	124.876	UL-RL	0.165	10.98	275.2	33.815	0.05	0	158.69
Scavo NORM.	-16.45	56.104	127.711	UL-RL	0.165	10.98	275.2	38.015	0.05	0	165.727
Scavo NORM.	-16.85	62.304	130.409	UL-RL	0.165	10.98	275.2	42.216	0.05	0	172.625
Scavo NORM.	-17.25	68.503	133.029	UL-RL	0.165	10.98	275.2	46.417	0.05	0	179.445
Scavo NORM.	-17.65	74.703	135.601	UL-RL	0.165	10.98	275.2	50.617	0.05	0	186.218
Scavo NORM.	-18.05	80.902	138.136	UL-RL	0.165	10.98	275.2	54.818	0.05	0	192.954
Scavo NORM.	-18.45	87.101	140.639	UL-RL	0.165	10.98	275.2	59.018	0.05	0	199.657
Scavo NORM.	-18.85	93.301	143.11	UL-RL	0.165	10.98	275.2	63.219	0.05	0	206.329
Scavo NORM.	-19.25	99.5	145.55	UL-RL	0.165	10.98	275.2	67.42	0.05	0	212.97
Scavo NORM.	-19.65	105.7	147.962	UL-RL	0.165	10.98	275.2	71.62	0.05	0	219.583
Scavo NORM.	-20.05	111.899	150.349	UL-RL	0.165	10.98	275.2	75.821	0.05	0	226.17
Scavo NORM.	-20.45	118.098	152.713	UL-RL	0.165	10.98	275.2	80.021	0.05	0	232.735
Scavo NORM.	-20.85	124.298	155.057	UL-RL	0.165	10.98	275.2	84.222	0.05	0	239.279
Scavo NORM.	-21.25	130.497	157.381	UL-RL	0.165	10.98	275.2	88.423	0.05	0	245.804
Scavo NORM.	-21.65	136.697	159.686	UL-RL	0.165	10.98	275.2	92.623	0.05	0	252.309
Scavo NORM.	-22.05	142.896	161.969	UL-RL	0.165	10.98	275.2	96.824	0.05	0	258.793
Scavo NORM.	-22.3	146.771	163.385	UL-RL	0.165	10.98	275.2	99.449	0.05	0	262.834

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal		Risultati Terreno		Muro:	RIGHT	Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)		Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Scavo NORM.	15.7	0	15.71	UL-RL	0.433	2.529	11.2	0	0	0	15.71
Scavo NORM.	15.35	17.458	4.133	UL-RL	0.433	2.529	11.2	0	0	0	4.133
Scavo NORM.	14.95	29.048	0.886	UL-RL	0.433	2.529	11.2	0	0	0	0.886
Scavo NORM.	14.55	38.765	3.849	UL-RL	0.433	2.529	11.2	0	0	0	3.849
Scavo NORM.	14.15	47.577	8.593	UL-RL	0.433	2.529	11.2	0	0	0	8.593
Scavo NORM.	13.75	56.284	13.288	UL-RL	0.433	2.529	11.2	0	0	0	13.288
Scavo NORM.	13.35	65.127	18	UL-RL	0.433	2.529	11.2	0	0	0	18
Scavo NORM.	12.95	73.766	22.515	UL-RL	0.433	2.529	11.2	0	0	0	22.515
Scavo NORM.	12.55	82.268	26.758	UL-RL	0.433	2.529	11.2	0	0	0	26.758
Scavo NORM.	12.15	89.411	30.052	UL-RL	0.433	2.529	11.2	0	0	0	30.052
Scavo NORM.	11.75	97.007	32.984	UL-RL	0.433	2.529	11.2	0	0	0	32.984
Scavo NORM.	11.35	104.898	35.24	UL-RL	0.433	2.529	11.2	0	0	0	35.24
Scavo NORM.	10.95	112.808	36.41	UL-RL	0.433	2.529	11.2	0	0	0	36.41
Scavo NORM.	10.55	120.733	38.275	UL-RL	0.433	2.529	11.2	0	0	0	38.275
Scavo NORM.	10.15	128.669	40.974	UL-RL	0.433	2.529	11.2	0	0	0	40.974
Scavo NORM.	9.95	133.044	42.868	UL-RL	0.433	2.529	11.2	0	0	0	42.868
Scavo NORM.	9.55	140.969	46.3	UL-RL	0.433	2.529	11.2	0	0	0	46.3
Scavo NORM.	9.15	148.903	49.736	UL-RL	0.433	2.529	11.2	0	0	0	49.736
Scavo NORM.	8.75	157.146	0.085	UL-RL	0.165	10.98	275.2	0	0	0	0.085
Scavo NORM.	8.35	167.495	0.22	UL-RL	0.165	10.98	275.2	0	0	0	0.22
Scavo NORM.	7.95	177.849	0.397	UL-RL	0.165	10.98	275.2	0	0	0	0.397
Scavo NORM.	7.55	188.208	0.639	UL-RL	0.165	10.98	275.2	0	0	0	0.639
Scavo NORM.	7.15	198.572	1.11	UL-RL	0.165	10.98	275.2	0	0	0	1.11
Scavo NORM.	6.75	208.938	1.248	UL-RL	0.165	10.98	275.2	0	0	0	1.248
Scavo NORM.	6.35	219.308	0.44	UL-RL	0.165	10.98	275.2	0	0	0	0.44
Scavo NORM.	5.95	229.68	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Scavo NORM.	5.55	240.519	0.004	UL-RL	0.165	10.98	275.2	0	0	0	0.004
Scavo NORM.	5.15	250.879	0.008	UL-RL	0.165	10.98	275.2	0	0	0	0.008
Scavo NORM.	4.75	261.242	0.011	UL-RL	0.165	10.98	275.2	0	0	0	0.011
Scavo NORM.	4.35	271.607	0.009	UL-RL	0.165	10.98	275.2	0	0	0	0.009
Scavo NORM.	3.95	281.975	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	3.55	292.345	3.458	UL-RL	0.165	10.98	275.2	0	0	0	3.458
Scavo NORM.	3.15	302.717	5.153	UL-RL	0.165	10.98	275.2	0	0	0	5.153
Scavo NORM.	2.75	313.091	2.534	UL-RL	0.165	10.98	275.2	0	0	0	2.534
Scavo NORM.	2.35	323.466	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Scavo NORM.	1.95	333.843	0.014	UL-RL	0.165	10.98	275.2	0	0	0	0.014
Scavo NORM.	1.55	344.221	0.06	UL-RL	0.165	10.98	275.2	0	0	0	0.06
Scavo NORM.	1.15	354.6	0.197	UL-RL	0.165	10.98	275.2	0	0	0	0.197
Scavo NORM.	0.75	365.298	0.847	UL-RL	0.165	10.98	275.2	0	0	0	0.847
Scavo NORM.	0.35	375.671	1.763	UL-RL	0.165	10.98	275.2	0	0	0	1.763
Scavo NORM.	-0.05	386.046	2.707	UL-RL	0.165	10.98	275.2	0	0	0	2.707
Scavo NORM.	-0.45	396.423	2.997	UL-RL	0.165	10.98	275.2	0	0	0	2.997
Scavo NORM.	-0.85	406.8	1.3	UL-RL	0.165	10.98	275.2	0	0	0	1.3
Scavo NORM.	-1.25	417.178	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-1.45	422.506	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-1.85	432.883	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-2.25	443.261	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-2.65	453.64	0	UL-RL	0.165	10.98	275.2	0	0	0	0
Scavo NORM.	-3.05	464.019	0.001	UL-RL	0.165	10.98	275.2	0	0	0	0.001
Scavo NORM.	-3.45	474.4	0.044	UL-RL	0.165	10.98	275.2	0	0	0	0.044
Scavo NORM.	-3.85	484.781	0.146	UL-RL	0.165	10.98	275.2	0	0	0	0.146
Scavo NORM.	-4.25	495.163	1.002	UL-RL	0.165	10.98	275.2	0	0	0	1.002
Scavo NORM.	-4.65	505.546	2.166	UL-RL	0.165	10.98	275.2	0	0	0	2.166
Scavo NORM.	-5.05	515.93	3.356	UL-RL	0.165	10.98	275.2	0	0	0	3.356
Scavo NORM.	-5.45	526.314	3.746	UL-RL	0.165	10.98	275.2	0	0	0	3.746

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

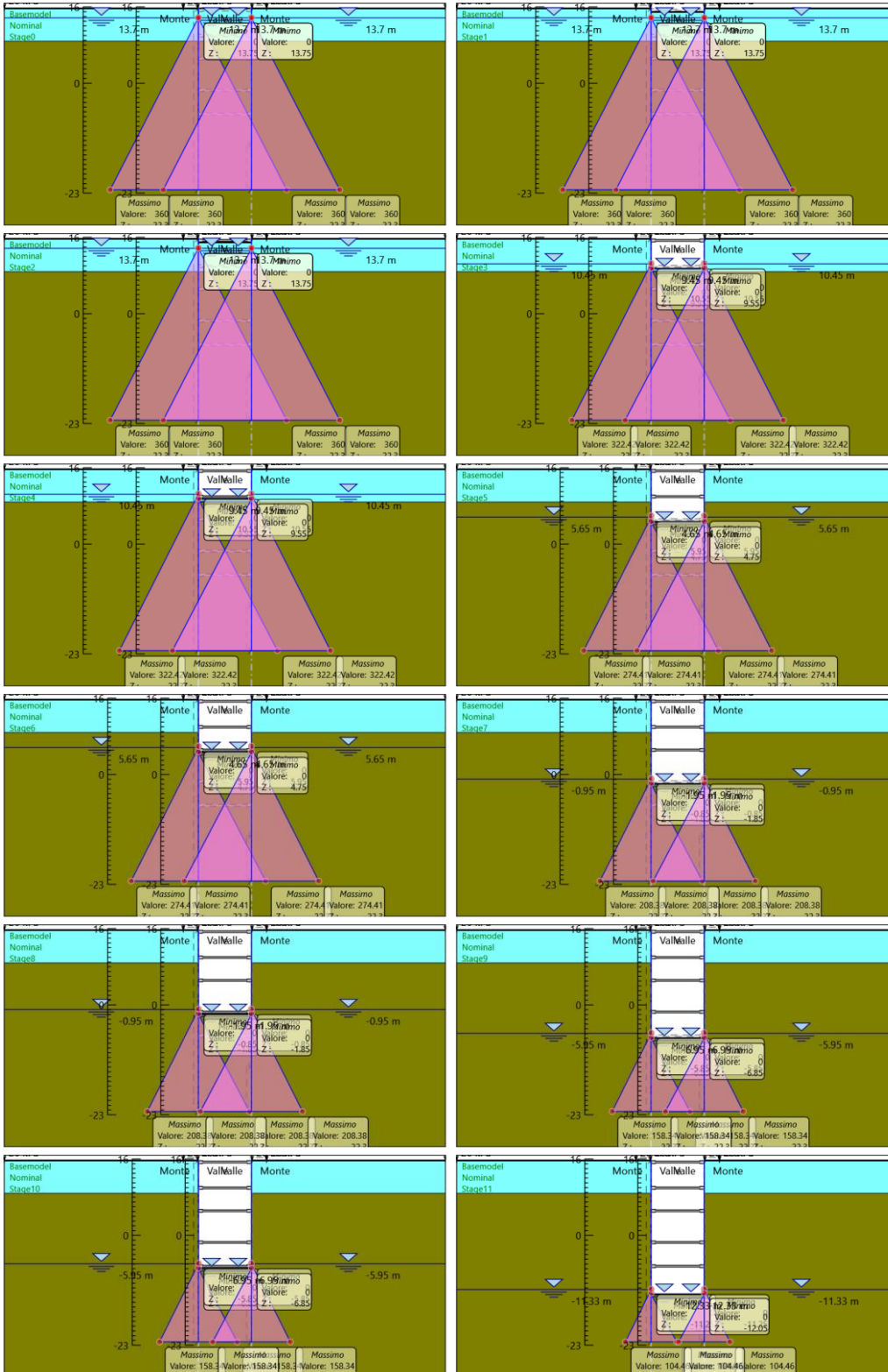
Design Assumption: Nominal Risultati Terreno													
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Muro: RIGHT	Stato	Lato	RIGHT	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)	Peq (kPa)
Scavo NORM.	-5.85	536.698	1.705	UL-RL	0.165	10.98	275.2	0	0	0	0	0	1.705
Scavo NORM.	-6.25	547.3	0.025	UL-RL	0.165	10.98	275.2	0	0	0	0	0	0.025
Scavo NORM.	-6.45	552.384	0.041	UL-RL	0.165	10.98	275.2	0	0	0	0	0	0.041
Scavo NORM.	-6.85	562.768	0.084	UL-RL	0.165	10.98	275.2	0	0	0	0	0	0.084
Scavo NORM.	-7.25	573.153	0.122	UL-RL	0.165	10.98	275.2	0	0	0	0	0	0.122
Scavo NORM.	-7.65	583.538	0.145	UL-RL	0.165	10.98	275.2	0	0	0	0	0	0.145
Scavo NORM.	-8.05	593.924	0.104	UL-RL	0.165	10.98	275.2	0	0	0	0	0	0.104
Scavo NORM.	-8.45	604.507	0	ACTIVE	0.165	10.98	275.2	0	0	0	0	0	0
Scavo NORM.	-8.85	614.891	0	ACTIVE	0.165	10.98	275.2	0	0	0	0	0	0
Scavo NORM.	-9.25	625.275	0	ACTIVE	0.165	10.98	275.2	0	0	0	0	0	0
Scavo NORM.	-9.65	635.66	0	ACTIVE	0.165	10.98	275.2	0	0	0	0	0	0
Scavo NORM.	-10.05	646.045	0	ACTIVE	0.165	10.98	275.2	0	0	0	0	0	0
Scavo NORM.	-10.45	656.43	0	ACTIVE	0.165	10.98	275.2	0	0	0	0	0	0
Scavo NORM.	-10.85	666.816	0	ACTIVE	0.165	10.98	275.2	0	0	0	0	0	0
Scavo NORM.	-11.25	677.203	0	ACTIVE	0.165	10.98	275.2	0	0	0	0	0	0
Scavo NORM.	-11.65	687.59	0	ACTIVE	0.165	10.98	275.2	0	0	0	0	0	0
Scavo NORM.	-12.05	695.887	8.356	UL-RL	0.165	10.98	275.2	2.09	0.05	0	0	0	10.445
Scavo NORM.	-12.45	702.475	32.595	UL-RL	0.165	10.98	275.2	5.889	0.05	0	0	0	38.484
Scavo NORM.	-12.85	709.064	59.723	UL-RL	0.165	10.98	275.2	9.688	0.05	0	0	0	69.412
Scavo NORM.	-13.25	715.817	81.446	UL-RL	0.165	10.98	275.2	13.488	0.05	0	0	0	94.934
Scavo NORM.	-13.65	722.404	95.141	UL-RL	0.165	10.98	275.2	17.287	0.05	0	0	0	112.428
Scavo NORM.	-14.05	728.991	102.724	UL-RL	0.165	10.98	275.2	21.087	0.05	0	0	0	123.811
Scavo NORM.	-14.45	735.579	106.966	UL-RL	0.165	10.98	275.2	24.886	0.05	0	0	0	131.852
Scavo NORM.	-14.85	742.167	109.912	UL-RL	0.165	10.98	275.2	28.685	0.05	0	0	0	138.597
Scavo NORM.	-15.25	748.755	112.631	UL-RL	0.165	10.98	275.2	32.485	0.05	0	0	0	145.116
Scavo NORM.	-15.65	755.344	115.5	UL-RL	0.165	10.98	275.2	36.284	0.05	0	0	0	151.784
Scavo NORM.	-16.05	761.933	118.543	UL-RL	0.165	10.98	275.2	40.084	0.05	0	0	0	158.627
Scavo NORM.	-16.45	768.522	121.674	UL-RL	0.165	10.98	275.2	43.883	0.05	0	0	0	165.557
Scavo NORM.	-16.85	775.111	124.806	UL-RL	0.165	10.98	275.2	47.682	0.05	0	0	0	172.489
Scavo NORM.	-17.25	781.701	127.891	UL-RL	0.165	10.98	275.2	51.482	0.05	0	0	0	179.373
Scavo NORM.	-17.65	788.291	130.914	UL-RL	0.165	10.98	275.2	55.281	0.05	0	0	0	186.195
Scavo NORM.	-18.05	795.023	133.876	UL-RL	0.165	10.98	275.2	59.081	0.05	0	0	0	192.957
Scavo NORM.	-18.45	801.612	136.788	UL-RL	0.165	10.98	275.2	62.88	0.05	0	0	0	199.668
Scavo NORM.	-18.85	808.201	139.66	UL-RL	0.165	10.98	275.2	66.679	0.05	0	0	0	206.339
Scavo NORM.	-19.25	814.79	142.498	UL-RL	0.165	10.98	275.2	70.479	0.05	0	0	0	212.977
Scavo NORM.	-19.65	821.38	145.308	UL-RL	0.165	10.98	275.2	74.278	0.05	0	0	0	219.586
Scavo NORM.	-20.05	827.97	148.093	UL-RL	0.165	10.98	275.2	78.078	0.05	0	0	0	226.17
Scavo NORM.	-20.45	834.56	150.855	UL-RL	0.165	10.98	275.2	81.877	0.05	0	0	0	232.732
Scavo NORM.	-20.85	841.15	153.597	UL-RL	0.165	10.98	275.2	85.676	0.05	0	0	0	239.273
Scavo NORM.	-21.25	847.741	156.321	UL-RL	0.165	10.98	275.2	89.476	0.05	0	0	0	245.797
Scavo NORM.	-21.65	854.332	159.032	UL-RL	0.165	10.98	275.2	93.275	0.05	0	0	0	252.307
Scavo NORM.	-22.05	860.923	161.735	UL-RL	0.165	10.98	275.2	97.075	0.05	0	0	0	258.81
Scavo NORM.	-22.3	865.09	163.424	UL-RL	0.165	10.98	275.2	99.449	0.05	0	0	0	262.873

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

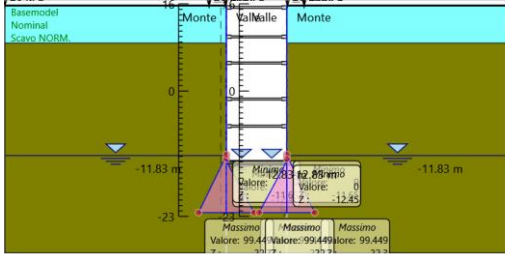
Grafico Risultati Terreno Pressione neutra



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

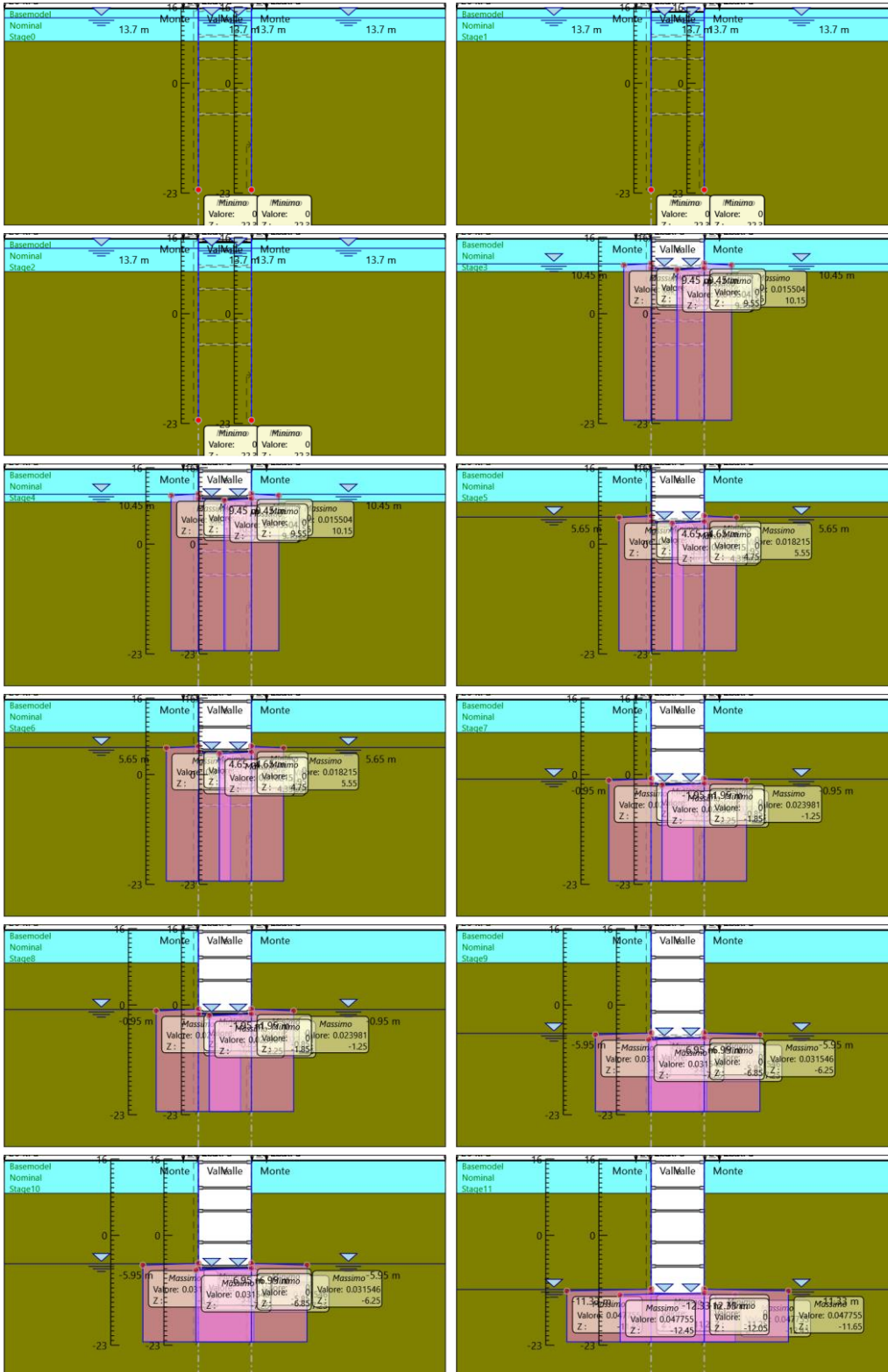


PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

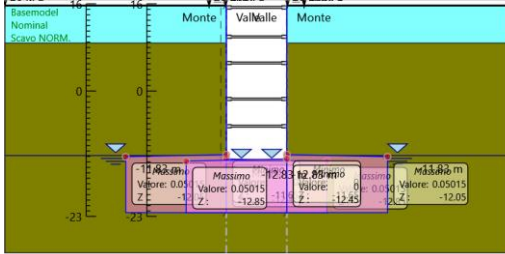
Grafico Risultati Terreno Gradiente idraulico



PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1



PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Riepilogo spinte

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	LEFT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage0	4014.5	6480.1	10494.6	103.8	180023	2.23%	38.68
Stage1	3943.7	6480.1	10423.8	103.8	180023	2.19%	37.99
Stage2	3943.7	6480.1	10423.8	103.8	180023	2.19%	37.99
Stage3	3563.1	5279.8	8842.9	147.8	192342.7	1.85%	24.11
Stage4	3563.1	5279.8	8842.9	147.8	192342.7	1.85%	24.11
Stage5	3181.1	3835	7016.1	152.6	208113.5	1.53%	20.85
Stage6	3181.1	3835	7016.1	152.6	208113.5	1.53%	20.85
Stage7	2554.3	2224.6	4778.9	152.6	225795.8	1.13%	16.74
Stage8	2554.3	2224.6	4778.9	152.6	225795.8	1.13%	16.74
Stage9	2035.4	1294.6	3329.9	152.6	236007.3	0.86%	13.34
Stage10	2035.4	1294.6	3329.9	152.6	236007.3	0.86%	13.34
Stage11	1478.8	573.1	2051.9	152.6	243929.4	0.61%	9.69
Scavo NORM.	1428.7	520.8	1949.5	152.6	244503.5	0.58%	9.36

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	RIGHT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage0	4014.5	6480.1	10494.6	61.5	173600.2	2.31%	65.28
Stage1	3943.7	6480.1	10423.8	32	168191.8	2.34%	123.24
Stage2	3943.7	6480.1	10423.8	32	168191.8	2.34%	123.24
Stage3	3685.7	5118.6	8804.3	0	143345	2.57%	∞
Stage4	3685.7	5118.6	8804.3	0	143345	2.57%	∞
Stage5	3143.5	3697.8	6841.3	0	112044	2.81%	∞
Stage6	3143.5	3697.8	6841.3	0	112044	2.81%	∞
Stage7	2476.7	2120.4	4597.1	0	72766	3.4%	∞
Stage8	2476.7	2120.4	4597.1	0	72766	3.4%	∞
Stage9	1928.7	1215.4	3144.2	0	48104.7	4.01%	∞
Stage10	1928.7	1215.4	3144.2	0	48104.7	4.01%	∞
Stage11	1340.2	520.9	1861.1	0	26802.9	5%	∞
Scavo NORM.	1287.7	470.9	1758.6	0	25231	5.1%	∞

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro:	RIGHT	Lato	LEFT	Percentuale di resistenza massima	Vera / Attiva
		Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)		
Stage0	4014.5	6480.1	10494.6	61.5	173600.2	2.31%	65.28
Stage1	3943.7	6480.1	10423.8	32	168191.8	2.34%	123.24
Stage2	3943.7	6480.1	10423.8	32	168191.8	2.34%	123.24
Stage3	3685.7	5118.6	8804.3	0	143345	2.57%	∞
Stage4	3685.7	5118.6	8804.3	0	143345	2.57%	∞
Stage5	3143.5	3697.8	6841.3	0	112044	2.81%	∞
Stage6	3143.5	3697.8	6841.3	0	112044	2.81%	∞
Stage7	2476.7	2120.4	4597.1	0	72766	3.4%	∞
Stage8	2476.7	2120.4	4597.1	0	72766	3.4%	∞
Stage9	1928.7	1215.4	3144.2	0	48104.7	4.01%	∞
Stage10	1928.7	1215.4	3144.2	0	48104.7	4.01%	∞
Stage11	1340.2	520.9	1861.1	0	26802.9	5%	∞
Scavo NORM.	1287.7	470.9	1758.6	0	25231	5.1%	∞

Design Assumption: Nominal Stage	Tipo Risultato: Riepilogo spinte Vera effettiva (kN/m)	Muro:	RIGHT	Lato	RIGHT	Percentuale di resistenza massima	Vera / Attiva
		Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)		
Stage0	4014.5	6480.1	10494.6	103.8	180023	2.23%	38.68
Stage1	3943.7	6480.1	10423.8	103.8	180023	2.19%	37.99
Stage2	3943.7	6480.1	10423.8	103.8	180023	2.19%	37.99
Stage3	3563.1	5279.8	8842.9	147.8	192342.7	1.85%	24.11
Stage4	3563.1	5279.8	8842.9	147.8	192342.7	1.85%	24.11
Stage5	3181.1	3835	7016.1	152.6	208113.5	1.53%	20.85
Stage6	3181.1	3835	7016.1	152.6	208113.5	1.53%	20.85
Stage7	2554.3	2224.6	4778.9	152.6	225795.8	1.13%	16.74
Stage8	2554.3	2224.6	4778.9	152.6	225795.8	1.13%	16.74
Stage9	2035.4	1294.6	3329.9	152.6	236007.3	0.86%	13.34
Stage10	2035.4	1294.6	3329.9	152.6	236007.3	0.86%	13.34
Stage11	1478.8	573.1	2051.9	152.6	243929.4	0.61%	9.69
Scavo NORM.	1428.7	520.8	1949.5	152.6	244503.5	0.58%	9.36

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	1

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

ALLEGATO 2

TITOLO	Input e Output Slope – Lato Genova
TIPO DI DOCUMENTO:	Documento - Formato A4
CODIFICA:	-
PAGINE:	13
DATA:	Gennaio 2022
SORGENTE:	U.O. Gallerie Italferr S.p.A.
NOTE:	-

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

ANALISI DI STABILITA' LOCLAE IN CONDIZIONI STATICHE

Project Settings

Length(L) Units: [meters](#)
Time(t) Units: [Seconds](#)
Force(F) Units: [kN](#)
Pressure(p) Units: [kPa](#)
Strength Units: [kPa](#)
Unit Weight of Water: [9.807 kN/m³](#)
View: [2D](#)

Analysis Settings

SLOPE/W Analysis

Kind: [SLOPE/W](#)
Method: [Morgenstern-Price](#)

Settings

Apply Phreatic Correction: [No](#)
Side Function
Interslice force function option: [Half-Sine](#)
PWP Conditions Source: [Piezometric Line](#)
Use Staged Rapid Drawdown: [No](#)

SlipSurface

Direction of movement: [Right to Left](#)
Allow Passive Mode: [No](#)
Slip Surface Option: [Entry and Exit](#)
Critical slip surfaces saved: [1](#)
Optimize Critical Slip Surface Location: [No](#)
Tension Crack
Tension Crack Option: [\(none\)](#)

FOS Distribution

FOS Calculation Option: [Constant](#)

Advanced

Number of Slices: [30](#)
Optimization Tolerance: [0.01](#)
Minimum Slip Surface Depth: [0.1 m](#)
Minimum Slice Width: [0.1 m](#)
Optimization Maximum Iterations: [2000](#)
Optimization Convergence Tolerance: [1e-007](#)
Starting Optimization Points: [8](#)
Ending Optimization Points: [16](#)
Complete Passes per Insertion: [1](#)

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

Materials

Paratia di Micropali

Model: [Mohr-Coulomb](#)

Unit Weight: [25 kN/m³](#)

Cohesion: [1e+005 kPa](#)

Phi: [45 °](#)

Phi-B: [0 °](#)

Pore Water Pressure

Piezometric Line: [1](#)

UNITA' 3

Model: [Mohr-Coulomb](#)

Unit Weight: [20 kN/m³](#)

Cohesion: [11.2 kPa](#)

Phi: [19.6 °](#)

Phi-B: [0 °](#)

Pore Water Pressure

Piezometric Line: [1](#)

MGL

Model: [Mohr-Coulomb](#)

Unit Weight: [26 kN/m³](#)

Cohesion: [275.2 kPa](#)

Phi: [41.6 °](#)

Phi-B: [0 °](#)

Pore Water Pressure

Piezometric Line: [1](#)

Slip Surface Entry and Exit

Left Projection: [Range](#)

Left-Zone Left Coordinate: [\(76.89499, 77.23995\) m](#)

Left-Zone Right Coordinate: [\(78.07008, 77.23995\) m](#)

Left-Zone Increment: [4](#)

Right Projection: [Range](#)

Right-Zone Left Coordinate: [\(93.752269, 82.084652\) m](#)

Right-Zone Right Coordinate: [\(94.360321, 82.42\) m](#)

Right-Zone Increment: [4](#)

Radius Increments: [4](#)

Slip Surface Limits

Left Coordinate: [\(67.576166, 77.23995\) m](#)

Right Coordinate: [\(104.3039, 86.233728\) m](#)

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

Piezometric Lines

Piezometric Line 1

Coordinates

X (m)	Y (m)
67.574297	76.474582
84.358562	76.393106
94.357076	81.45273
96.889736	83.530656
104.3039	84.23

Regions

	Material	Points	Area (m ²)
Region 1	UNITA' 3	21,20,11	21.068711
Region 2	UNITA' 3	18,19,4,5,6,7,8	80.517446
Region 3	Paratia di Micropali	17,8,18,9,10,20,11	1.54875
Region 4	MGL	19,3,2,1,16,15,14,13,12,21,20,10,9,18	465.58691

Points

	X (m)	Y (m)
Point 1	67.576166	77.23995
Point 2	67.576166	64.817352
Point 3	104.3039	64.817352
Point 4	104.3039	86.233728
Point 5	99.930535	86.293728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

Point 6	96.834463	86.279369
Point 7	95.298821	84.743728
Point 8	94.537321	84.743728
Point 9	94.537321	75.993728
Point 10	94.360321	75.993728
Point 11	94.360321	82.389994
Point 12	84.360321	77.38995
Point 13	82.360321	77.38995
Point 14	82.360318	76.88995
Point 15	78.315473	76.88995
Point 16	78.113392	77.23995
Point 17	94.360321	84.743728
Point 18	94.537321	77.79
Point 19	104.3039	77.79
Point 20	94.360321	77.79
Point 21	85.2	77.79

Critical Slip Surfaces

	Number	FOS	Center (m)	Radius (m)	Entry (m)	Exit (m)
1	84	21.462	(84.211, 85.052)	10.121	(93.911, 82.1643)	(77.7763, 77.2399)

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

ANALISI DI STABILITA' LOCLAE IN CONDIZIONI SISMICHE VERSO L'ALTO

Project Settings

Length(L) Units: [meters](#)
Time(t) Units: [Seconds](#)
Force(F) Units: [kN](#)
Pressure(p) Units: [kPa](#)
Strength Units: [kPa](#)
Unit Weight of Water: [9.807 kN/m³](#)
View: [2D](#)

Analysis Settings

SLOPE/W Analysis

Kind: [SLOPE/W](#)
Method: [Morgenstern-Price](#)
Settings
Apply Phreatic Correction: [No](#)
Side Function
Interslice force function option: [Half-Sine](#)
PWP Conditions Source: [Piezometric Line](#)
Use Staged Rapid Drawdown: [No](#)
SlipSurface
Direction of movement: [Right to Left](#)
Allow Passive Mode: [No](#)
Slip Surface Option: [Entry and Exit](#)
Critical slip surfaces saved: [1](#)
Optimize Critical Slip Surface Location: [No](#)
Tension Crack
Tension Crack Option: [\(none\)](#)
FOS Distribution
FOS Calculation Option: [Constant](#)
Advanced
Number of Slices: [30](#)
Optimization Tolerance: [0.01](#)
Minimum Slip Surface Depth: [0.1 m](#)
Minimum Slice Width: [0.1 m](#)
Optimization Maximum Iterations: [2000](#)
Optimization Convergence Tolerance: [1e-007](#)
Starting Optimization Points: [8](#)
Ending Optimization Points: [16](#)
Complete Passes per Insertion: [1](#)

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

Materials

Paratia di Micropali

 Model: [Mohr-Coulomb](#)

 Unit Weight: [25 kN/m³](#)

 Cohesion: [1e+005 kPa](#)

 Phi: [45 °](#)

 Phi-B: [0 °](#)

Pore Water Pressure

 Piezometric Line: [1](#)

UNITA' 3

 Model: [Mohr-Coulomb](#)

 Unit Weight: [20 kN/m³](#)

 Cohesion: [14 kPa](#)

 Phi: [24 °](#)

 Phi-B: [0 °](#)

Pore Water Pressure

 Piezometric Line: [1](#)

MGL

 Model: [Mohr-Coulomb](#)

 Unit Weight: [26 kN/m³](#)

 Cohesion: [344 kPa](#)

 Phi: [48 °](#)

 Phi-B: [0 °](#)

Pore Water Pressure

 Piezometric Line: [1](#)

Slip Surface Entry and Exit

 Left Projection: [Range](#)

 Left-Zone Left Coordinate: [\(76.89499, 77.23995\) m](#)

 Left-Zone Right Coordinate: [\(78.07008, 77.23995\) m](#)

 Left-Zone Increment: [4](#)

 Right Projection: [Range](#)

 Right-Zone Left Coordinate: [\(93.752269, 82.084652\) m](#)

 Right-Zone Right Coordinate: [\(94.360321, 82.42\) m](#)

 Right-Zone Increment: [4](#)

 Radius Increments: [4](#)

Slip Surface Limits

 Left Coordinate: [\(67.576166, 77.23995\) m](#)

 Right Coordinate: [\(104.3039, 86.233728\) m](#)

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

Piezometric Lines

Piezometric Line 1

Coordinates

	X (m)	Y (m)
	67.574297	76.474582
	84.358562	76.393106
	94.357076	81.45273
	96.889736	83.530656
	104.3039	84.23

Seismic Loads

Horz Seismic Load: 0.07

Vert Seismic Load: -0.035

Ignore seismic load in strength: No

Regions

	Material	Points	Area (m ²)
Region 1	UNITA' 3	21,20,11	21.068711
Region 2	UNITA' 3	18,19,4,5,6,7,8	80.517446
Region 3	Paratia di Micropali	17,8,18,9,10,20,11	1.54875
Region 4	MGL	19,3,2,1,16,15,14,13,12,21,20,10,9,18	465.58691

Points

	X (m)	Y (m)
Point 1	67.576166	77.23995
Point 2	67.576166	64.817352
Point 3	104.3039	64.817352
Point 4	104.3039	86.233728
Point 5	99.930535	86.293728
Point 6	96.834463	86.279369
Point 7	95.298821	84.743728
Point 8	94.537321	84.743728
Point 9	94.537321	75.993728

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

Point 10	94.360321	75.993728
Point 11	94.360321	82.389994
Point 12	84.360321	77.38995
Point 13	82.360321	77.38995
Point 14	82.360318	76.88995
Point 15	78.315473	76.88995
Point 16	78.113392	77.23995
Point 17	94.360321	84.743728
Point 18	94.537321	77.79
Point 19	104.3039	77.79
Point 20	94.360321	77.79
Point 21	85.2	77.79

Critical Slip Surfaces

	Number	FOS	Center (m)	Radius (m)	Entry (m)	Exit (m)
1	84	22.685	(84.211, 85.052)	10.121	(93.911, 82.1643)	(77.7763, 77.2399)

PROGETTO DEFINITIVO

POZZO DI ACCESSO GASTALDI LATO GENOVA -
RELAZIONE GEOTECNICA E DI CALCOLO DELLE
OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

ANALISI DI STABILITA' LOCLAE IN CONDIZIONI SISMICHE VERSO IL BASSO

Project Settings

Length(L) Units: [meters](#)
Time(t) Units: [Seconds](#)
Force(F) Units: [kN](#)
Pressure(p) Units: [kPa](#)
Strength Units: [kPa](#)
Unit Weight of Water: [9.807 kN/m³](#)
View: [2D](#)

Analysis Settings

SLOPE/W Analysis

Kind: [SLOPE/W](#)
Method: [Morgenstern-Price](#)
Settings
Apply Phreatic Correction: [No](#)
Side Function
Interslice force function option: [Half-Sine](#)
PWP Conditions Source: [Piezometric Line](#)
Use Staged Rapid Drawdown: [No](#)
SlipSurface
Direction of movement: [Right to Left](#)
Allow Passive Mode: [No](#)
Slip Surface Option: [Entry and Exit](#)
Critical slip surfaces saved: [1](#)
Optimize Critical Slip Surface Location: [No](#)
Tension Crack
Tension Crack Option: [\(none\)](#)
FOS Distribution
FOS Calculation Option: [Constant](#)
Advanced
Number of Slices: [30](#)
Optimization Tolerance: [0.01](#)
Minimum Slip Surface Depth: [0.1 m](#)
Minimum Slice Width: [0.1 m](#)
Optimization Maximum Iterations: [2000](#)
Optimization Convergence Tolerance: [1e-007](#)
Starting Optimization Points: [8](#)
Ending Optimization Points: [16](#)
Complete Passes per Insertion: [1](#)

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
 OPERE PROVVISORIALI

COMMESSA	LOTTO	CODIFICA	DOCUMENTO	REV.	ALLEGATI
IV01	00	D 07 CL	PZ 02 00 001	A	2

Materials

Paratia di Micropali

 Model: [Mohr-Coulomb](#)

 Unit Weight: [25 kN/m³](#)

 Cohesion: [1e+005 kPa](#)

 Phi: [45 °](#)

 Phi-B: [0 °](#)

Pore Water Pressure

 Piezometric Line: [1](#)

UNITA' 3

 Model: [Mohr-Coulomb](#)

 Unit Weight: [20 kN/m³](#)

 Cohesion: [14 kPa](#)

 Phi: [24 °](#)

 Phi-B: [0 °](#)

Pore Water Pressure

 Piezometric Line: [1](#)

MGL

 Model: [Mohr-Coulomb](#)

 Unit Weight: [26 kN/m³](#)

 Cohesion: [344 kPa](#)

 Phi: [48 °](#)

 Phi-B: [0 °](#)

Pore Water Pressure

 Piezometric Line: [1](#)

Slip Surface Entry and Exit

 Left Projection: [Range](#)

 Left-Zone Left Coordinate: [\(76.89499, 77.23995\) m](#)

 Left-Zone Right Coordinate: [\(78.07008, 77.23995\) m](#)

 Left-Zone Increment: [4](#)

 Right Projection: [Range](#)

 Right-Zone Left Coordinate: [\(93.752269, 82.084652\) m](#)

 Right-Zone Right Coordinate: [\(94.360321, 82.42\) m](#)

 Right-Zone Increment: [4](#)

 Radius Increments: [4](#)

Slip Surface Limits

 Left Coordinate: [\(67.576166, 77.23995\) m](#)

 Right Coordinate: [\(104.3039, 86.233728\) m](#)

PROGETTO DEFINITIVO

 POZZO DI ACCESSO GASTALDI LATO GENOVA -
 RELAZIONE GEOTECNICA E DI CALCOLO DELLE
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Piezometric Lines

Piezometric Line 1

Coordinates

	X (m)	Y (m)
	67.574297	76.474582
	84.358562	76.393106
	94.357076	81.45273
	96.889736	83.530656
	104.3039	84.23

Seismic Loads

Horz Seismic Load: 0.07

Vert Seismic Load: 0.035

Ignore seismic load in strength: No

Regions

	Material	Points	Area (m ²)
Region 1	UNITA' 3	21,20,11	21.068711
Region 2	UNITA' 3	18,19,4,5,6,7,8	80.517446
Region 3	Paratia di Micropali	17,8,18,9,10,20,11	1.54875
Region 4	MGL	19,3,2,1,16,15,14,13,12,21,20,10,9,18	465.58691

Points

	X (m)	Y (m)
Point 1	67.576166	77.23995
Point 2	67.576166	64.817352
Point 3	104.3039	64.817352
Point 4	104.3039	86.233728
Point 5	99.930535	86.293728
Point 6	96.834463	86.279369
Point 7	95.298821	84.743728
Point 8	94.537321	84.743728
Point 9	94.537321	75.993728

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Point 10	94.360321	75.993728
Point 11	94.360321	82.389994
Point 12	84.360321	77.38995
Point 13	82.360321	77.38995
Point 14	82.360318	76.88995
Point 15	78.315473	76.88995
Point 16	78.113392	77.23995
Point 17	94.360321	84.743728
Point 18	94.537321	77.79
Point 19	104.3039	77.79
Point 20	94.360321	77.79
Point 21	85.2	77.79

Critical Slip Surfaces

	Number	FOS	Center (m)	Radius (m)	Entry (m)	Exit (m)
1	84	21.664	(84.211, 85.052)	10.121	(93.911, 82.1643)	(77.7763, 77.2399)