Direzione Tecnica

STRADA STATALE 4 "VIA SALARIA"
Adeguamento della piattaforma stradale e messa in sicurezza dal km 56+000 al km 64+000
Stralcio 1 da pk 0+000 a pk 1+900

PROGETTO ESECUTIVO | COD. **RM 368**

PROGETTAZIONE: R.T.I.: PROGER S.p.A. (capogruppo mandataria)

PROGIN S.p.A.

S.I.N.A. S.p.A. – BRENG S.r.l.

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IL COORDINATORE PER LA SICUREZZA IN FASE DI PROGETTAZIONE:
Dott. Ing. Michele CURIALE (Progin S.p.A.)

VISTO: IL RESPONSABILE UNICO DEL PROGETTO
Dott. Ing. Paolo NARDOCCI

PROTOCOLLO | DATA _____ 202_

OPERE D'ARTE MINORI - TOMBINI

Tombino 2x2 pk 0+596 – Relazione di calcolo opere provvisionali

CODICE PROGETTO	NOME FILE	REVISIONE	SCALA:
DP RM368 E23	CODICE ELAB. T01TM06STRRE02B	B	-

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
B	Emissione a seguito di validazione e istruttoria ANAS	01/2024	M. Boccardi	P.Valente	L. Infante
A	Prima emissione	09/2022	E. Abbasciano	P.Valente	L. Infante

Sommario

1 PREMESSA

Nell'ambito della progettazione definitiva dell'intervento di adeguamento della piattaforma stradale e messa in sicurezza della STRADA STATALE 4 "VIA SALARIA" dal km 56+000 al km 64+000, è prevista la realizzazione di una paratia provvisionale per la realizzazione del tombino TM06.
Le azioni considerate nel calcolo sono quelle tipiche di una struttura interrata determinate dall'interazione terreno – struttura, derivanti dall'applicazione della Normativa D.M. 2018 – Norme tecniche per le costruzioni.

L'opera oggetto della presente relazione è di tipo provvisorio, essa ha la finalità di sorreggere gli scavi e permettere la realizzazione del tombino in c.a.; le fasi del lavoro infatti prevedono la realizzazione dei micropali e del cordolo, uno sbancamento inziale con conseguente realizzazione del tirante ed infine lo scavo completo. La realizzazione della paratia permette quindi di garantire il flusso veicolare in destra e, a seguito dello scavo, la realizzazione della parte di tombino in sinistra. Una volta completata la parte del tombino di sinistra si demolisce il tirante e si effettua dall'altro lato lo sbancamento (con realizzazione del tirante) e uno scavo completo per poter realizzare la parte di tombino in destra, garantendo il traffico veicolare in sinistra.

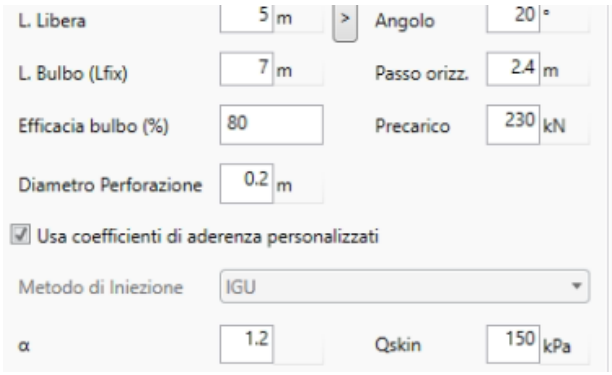
1.1 Descrizione dell'opera

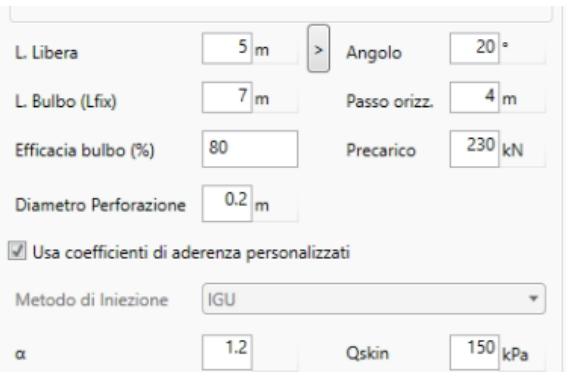
Sono stati previsti micropali tirantati di diametro Φ 240 mm, interasse 0.4 m e altezza pari a 10m.
I modelli di calcolo analizzati sono riferiti a:

- Fase iniziale: interasse tiranti pari a 2.4 m
- fase di realizzazione del tombino: interasse tiranti pari a 4 m.

h_{Scavo}	h_{tot}
(m)	(m)
5.3	10

I tiranti hanno le seguenti caratteristiche:





Il profilato metallico utilizzato è il seguente:

La trave di ripartizione usata è del tipo 2* HEB160.

Nel seguito si riportano alcune immagini rappresentative delle sezioni oggetto di analisi:

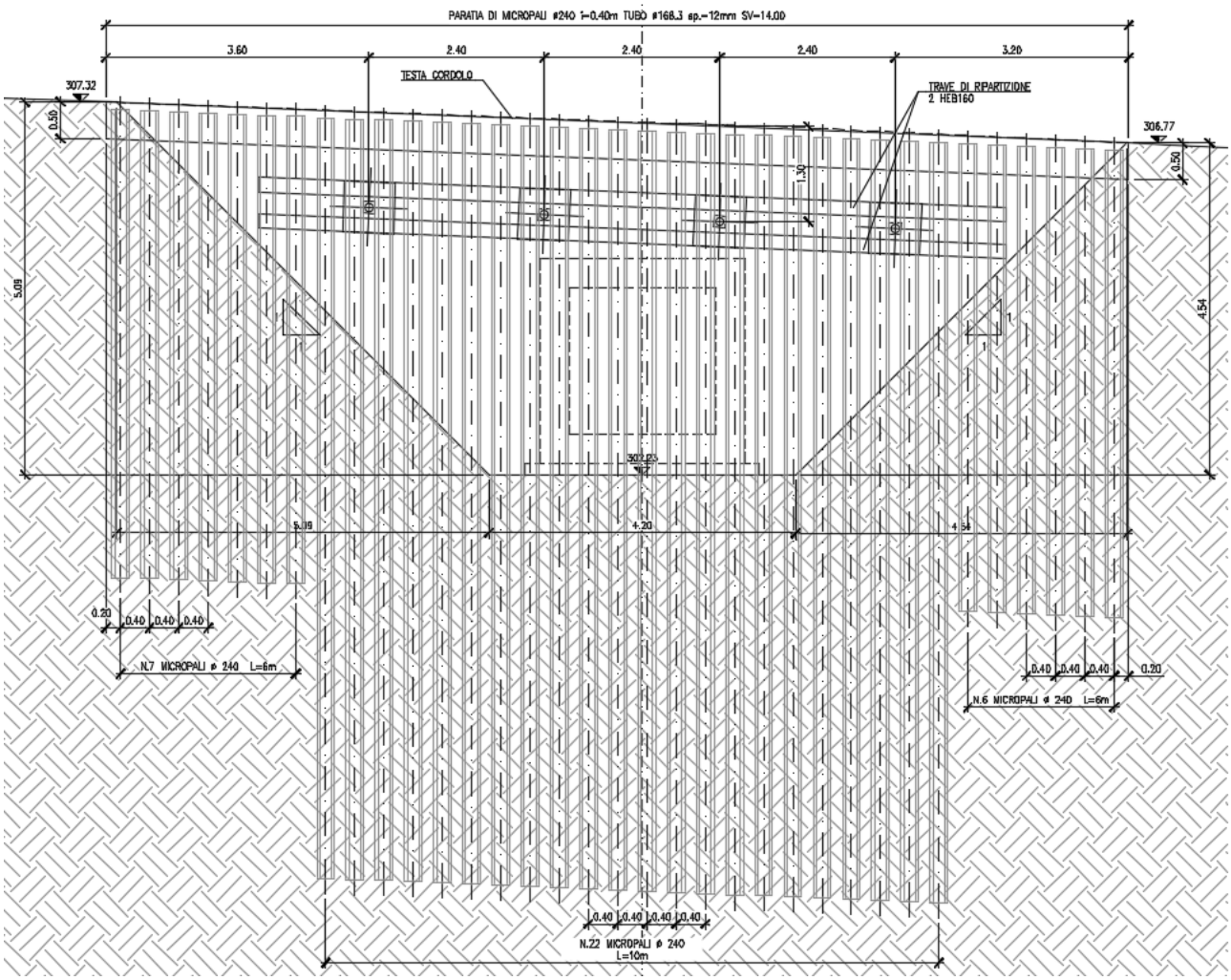


Fig. 1- prospetto fase iniziale

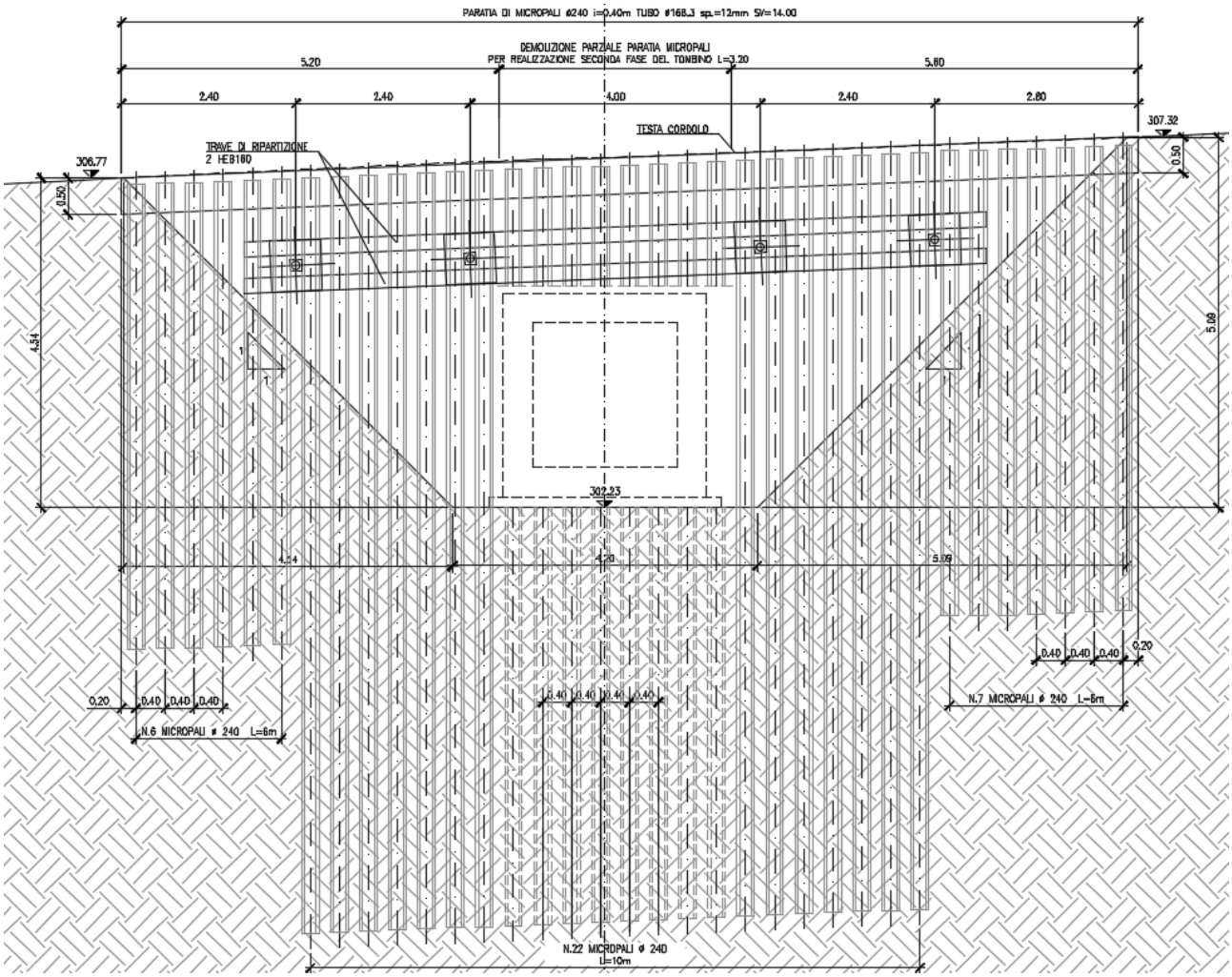


Fig. 2- prospetto fase realizzazione tombino

2 NORMATIVA DI RIFERIMENTO

Si riporta nel seguito l'elenco delle leggi e dei decreti di carattere generale, assunti come riferimento.

- D.M. 17 gennaio 2018 - *Norme Tecniche per le Costruzioni (NTC)*;
- Circolare n.7 del 21 gennaio 2019 - *Istruzioni per l'applicazione delle "Nuove norme tecniche per le costruzioni" di cui al D.M. 17 gennaio 2018*;
- UNI EN 1992-1-1 - *Progettazione delle strutture di calcestruzzo*;
- UNI EN 206-1-2014 - *Calcestruzzo: specificazione, prestazione, produzione e conformità*.
- UNI 11104_2016: Calcestruzzo: Specificazione, prestazione, produzione e conformità - Istruzioni complementari per l'applicazione della EN 206-1
- Decreto Protezione Civile 21 ottobre 2003: Disposizioni attuative dell'art. 2, commi 2, 3 e 4, dell'ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003.
- OPCM 20 marzo 2003 n. 3274, Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica.
- OPCM 3 maggio 2005 n. 3431: Ulteriori modifiche ed integrazioni dell'ordinanza del Presidente del consiglio dei Ministri n. 3274 del 20/3/2003 recante "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica".
- OPCM 8 luglio 2004 n. 3362: Modalità di attivazione del Fondo per investimenti straordinari della Presidenza del Consiglio dei Ministri istituito ai sensi dell'art. 32-bis del decreto legge 30 settembre 2003 n. 269 convertito, con modificazioni, dalla legge 24 novembre 2003 n. 326.
- OPCM 28 aprile 2006: Criteri generali per l'individuazione delle zone sismiche e per la formazione e l'aggiornamento degli elenchi delle medesime zone.
- Linee Guida per la valutazione e riduzione del rischio sismico del patrimonio culturale e successive modificazioni del Ministero per i Beni e le Attività Culturali, come licenziate dal Consiglio Superiore dei Lavori Pubblici e ss. mm. ii..
- Raccomandazioni AGI (1977);
- Modalità Tecniche ANISG (1977).
- Quaderni tecnici ANAS

2.1 Elaborati di riferimento

Costituiscono parte integrante di quanto esposto nel presente documento, l'insieme degli elaborati di progetto specifici relativi all'opera in esame e riportati in elenco elaborati:

T01TM06STRCA01

3 CARATTERISTICHE DEI MATERIALI

Di seguito si riportano le caratteristiche dei materiali previsti per la realizzazione delle strutture oggetto di calcolo nell'ambito del presente documento:

3.1 Classe di esposizione e copriferro

Con riferimento alle specifiche di cui alla norma UNI EN 206-1-2006, si definiscono di seguito le classi di esposizione del calcestruzzo delle diverse parti della struttura oggetto dei dimensionamenti di cui al presente documento:

- XC2

Classe esposizione norma UNI 9858	Classe esposizione norma UNI 11104 UNI EN 206 –1	Descrizione dell'ambiente	Esempio	Massimo rapporto a/c	Minima Classe di resistenza	Contenuto minimo in aria (%)
1 Assenza di rischio di corrosione o attacco						
1	X0	Per calcestruzzo privo di armatura o inserti metallici: tutte le esposizioni eccetto dove c'è gelo/disgelo, o attacco chimico. Calcestruzzi con armatura o inserti metallici:in ambiente molto asciutto.	Interno di edifici con umidità relativa molto bassa. Calcestruzzo non armato all'interno di edifici. Calcestruzzo non armato immerso in suolo non aggressivo o in acqua non aggressiva. Calcestruzzo non armato soggetto a cicli di bagnato asciutto ma non soggetto ad abrasione, gelo o attacco chimico.	-	C 12/15	
2 Corrosione indotta da carbonatazione Nota - Le condizioni di umidità si riferiscono a quelle presenti nel copriferro o nel ricoprimento di inserti metallici, ma in molti casi su può considerare che tali condizioni riflettano quelle dell'ambiente circostante.In questi casi la classificazione dell'ambiente circostante può essere adeguata.Questo può non essere il caso se c'è una barriera fra il calcestruzzo e il suo ambiente.						
2 a	XC1	Asciutto o permanentemente bagnato.	Interni di edifici con umidità relativa bassa. Calcestruzzo armato ordinario o precompresso con le superfici all'interno di strutture con eccezione delle parti esposte a condensa, o immerse i acqua.	0,60	C 25/30	
2 a	XC2	Bagnato, raramente asciutto.	Parti di strutture di contenimento liquidi,fondazioni. Calcestruzzo armato ordinario o precompresso prevalentemente immerso in acqua o terreno non aggressivo.	0,60	C 25/30	
5 a	XC3	Umidità moderata.	Calcestruzzo armato ordinario o precompresso in esterni con superfici esterne riparate dalla pioggia, o in interni con umidità da moderata ad alta.	0,55	C 28/35	
4 a 5 b	XC4	Ciclicamente asciutto e bagnato.	Calcestruzzo armato ordinario o precompresso in esterni con superfici soggette a alternanze di asciutto ed umido. Calcestruzzi a vista in ambienti urbani. Superfici a contatto con l'acqua non comprese nella classe XC2.	0,50	C 32/40	
3 Corrosione indotta da cloruri esclusi quelli provenenti dall'acqua di mare						
5 a	XD1	Umidità moderata.	Calcestruzzo armato ordinario o precompresso in superfici o parti di ponti e viadotti esposti a spruzzi d'acqua contenenti cloruri.	0,55	C 28/35	
4 a 5 b	XD2	Bagnato, raramente asciutto.	Calcestruzzo armato ordinario o precompresso in elementi strutturali totalmente immersi in acqua anche industriale contenete cloruri (Piscine).	0,50	C 32/40	
5 c	XD3	Ciclicamente bagnato e asciutto.	Calcestruzzo armato ordinario o precompresso, di elementi strutturali direttamente soggetti agli agenti disgelanti o agli spruzzi contenenti agenti disgelanti. Calcestruzzo armato ordinario o precompresso, elementi con una superficie immersa in acqua contenente cloruri e l'altra esposta all'aria. Parti di ponti, pavimentazioni e parcheggi per auto.	0,45	C 35/45	

Classe esposizione norma UNI 9858	Classe esposizione norma UNI 11104 UNI EN 206 –1	Descrizione dell'ambiente	Esempio	Massimo rapporto a/c	Minima Classe di resistenza	Contenuto minimo in aria (%)
4 Corrosione indotta da cloruri presenti nell'acqua di mare						
4 a 5 b	XS1	Esposto alla salsedine marina ma non direttamente in contatto con l'acqua di mare .	Calcestruzzo armato ordinario o precompresso con elementi strutturali sulle coste o in prossimità.	0,50	C 32/40	
	XS2	Permanentemente sommerso.	Calcestruzzo armato ordinario o precompresso di strutture marine completamente immersi in acqua.	0,45	C 35/45	
	XS3	Zone esposte agli spruzzi o alle marea.	Calcestruzzo armato ordinario o precompresso con elementi strutturali esposti alla battigia o alle zone soggette agli spruzzi ed onde del mare.	0,45	C 35/45	
5 Attacco dei cicli di gelo/disgelo con o senza disgelanti *						
2 b	XF1	Moderata saturazione d'acqua,in assenza di agente disgelante.	Superfici verticali di calcestruzzo come facciate e colonne esposte alla pioggia ed al gelo. Superfici non verticali e non soggette alla completa saturazione ma esposte al gelo, alla pioggia o all'acqua.	0,50	C 32/40	
3	XF2	Moderata saturazione d'acqua, in presenza di agente disgelante.	Elementi come parti di ponti che in altro modo sarebbero classificati come XF1 ma che sono esposti direttamente o indirettamente agli agenti disgelanti.	0,50	C 25/30	3,0
2 b	XF3	Elevata saturazione d'acqua, in assenza di agente disgelante	Superfici orizzontali in edifici dove l'acqua può accumularsi e che possono essere soggetti ai fenomeni di gelo, elementi soggetti a frequenti bagnature ed esposti al gelo.	0,50	C 25/30	3,0
3	XF4	Elevata saturazione d'acqua, con presenza di agente antigelo oppure acqua di mare.	Superfici orizzontali quali strade o pavimentazioni esposte al gelo ed ai sali disgelanti in modo diretto o indiretto, elementi esposti al gelo e soggetti a frequenti bagnature in presenza di agenti disgelanti o di acqua di mare.	0,45	C 28/35	3,0
6 Attacco chimico**						
5 a	XA1	Ambiente chimicamente debolmente aggressivo secondo il prospetto 2 della UNI EN 206-1	Contenitori di fanghi e vasche di decantazione. Contenitori e vasche per acque reflue.	0,55	C 28/35	
4 a 5 b	XA2	Ambiente chimicamente moderatamente aggressivo secondo il prospetto 2 della UNI EN 206-1	Elementi strutturali o pareti a contatto di terreni aggressivi.	0,50	C 32/40	
5 c	XA3	Ambiente chimicamente fortemente aggressivo secondo il prospetto 2 della UNI EN 206-1	Elementi strutturali o pareti a contatto di acque industriali fortemente aggressive. Contenitori di foraggi, mangimi e liquame provenienti dall'allevamento animale. Torri di raffreddamento di fumi di gas di scarico industriali.	0,45	C 35/45	

*) Il grado di saturazione della seconda colonna riflette la relativa frequenza con cui si verifica il gelo in condizioni di saturazione:
- moderato: occasionalmente gelato in condizione di saturazione;
- elevato: alta frequenza di gelo in condizioni di saturazione.

**) Da parte di acque del terreno e acque fluenti.

Classi di esposizione secondo norma UNI – EN 206-2006

La determinazione delle classi di resistenza dei conglomerati dei conglomerati, di cui ai successivi paragrafi, sono state inoltre determinate tenendo conto delle classi minime stabilite dalla stessa norma UNI-EN 11104, di cui alla successiva tabella:

UNI 11104:2004

prospetto 4 **Valori limiti per la composizione e le proprietà del calcestruzzo**

	Classi di esposizione																
	Nessun rischio di corrosione dell'armatura	Corrosione delle armature indotta dalla carbonatazione				Corrosione delle armature indotta da cloruri						Attacco da cicli di gelo/disgelo				Ambiente aggressivo per attacco chimico		
						Acqua di mare			Cloruri provenienti da altre fonti									
	X0	XC1	XC2	XC3	XC4	XS1	XS2	XS3	XD1	XD2	XD3	XF1	XF2	XF3	XF4	XA1	XA2	XA3
Massimo rapporto *a/c*	-	0,60		0,55	0,50	0,50	0,45		0,55	0,50	0,45	0,50	0,50		0,45	0,55	0,50	0,45
Minima classe di resistenza*)	C12/15	C25/30		C28/35	C32/40	C32/40	C35/45		C28/35	C32/40	C35/45	32/40	25/30		28/35	28,35	32/40	35/45
Minimo contenuto in cemento (kg/m^3)	-	300		320	340	340	360		320	340	360	320	340		360	320	340	360
Contenuto minimo in aria (%)													3,0[a]					
Altri requisiti												Aggregati conformi alla UNI EN 12620 di adeguata resistenza al gelo/disgelo				È richiesto l'impiego di cementi resistenti ai solfati[b]		

*) Nel prospetto 7 della UNI EN 206-1 viene riportata la classe C8/10 che corrisponde a specifici calcestruzzi destinati a sottofondazioni e ricoprimenti. Per tale classe dovrebbero essere definite le prescrizioni di durabilità nei riguardi di acque o terreni aggressivi.
a) Quando il calcestruzzo non contiene aria aggiunta, le sue prestazioni devono essere verificate rispetto ad un calcestruzzo aerato per il quale è provata la resistenza al gelo/disgelo, da determinarsi secondo UNI 7087, per la relativa classe di esposizione.
b) Qualora la presenza di solfati comporti le classi di esposizione XA2 e XA3 è essenziale utilizzare un cemento resistente ai solfati secondo UNI 9156.

Classi di resistenza minima del calcestruzzo secondo UNI – 11104

3.2 Calcestruzzo micropali

CARATTERISTICHE CALCESTRUZZO PER PALI

- Classe di resistenza C25/30
- Contenuto minimo di cemento 300 Kg/mc
- Tipo di cemento CEM II
- Rapporto massimo acqua/cemento 0.60
- Slump : S5
- Diametro massimo dell'inerte 18 mm
- Classe di esposizione XC2

3.3 Caratteristiche tiranti

TIRANTI

– CARATTERISTICHE DEI TREFOLI:
diametro nominale mm 15.20 (6/10").
sezione nominale mmq 139.
limite elastico convenzionale allo 0.1% tp(1)k = 1670 Mpa
carico di rottura ftpk = 1860 Mpa

– CONDOTTI DI INIEZIONE:
devono presentare il diametro minimo di 16 mm e pressione di scoppio non inferiore a 1Mpa(10 kg/cmq) per iniezione a bassa pressione. Non inferiore a 7.0 Mpa (70 kg/cmq) per iniezione ad alta pressione.

– MISCELA DI INIEZIONE DEI TIRANTI:
Densità >= 1.85 t/mc
Cemento tipo II
Rapporto a/c =< 0.45
Resistenza a compressione >= 25 Mpa dopo 3gg
>= 35 Mpa a 7gg
>= 50 Mpa a 28gg.

4 INQUADRAMENTO GEOTECNICO

Nel presente capitolo si riportano le principali unità geotecniche presenti lungo la linea ed a seguire i parametri geotecnici di progetto secondo quanto riportato nella relazione geotecnica generale alla quale si rimanda per ulteriori approfondimenti.

4.1 Stratigrafia di progetto e parametri geotecnici

Le caratteristiche geotecniche del volume di terreno che interagisce con l'opera sono state desunte tenendo conto di quanto risultante nel profilo geologico e dalla caratterizzazione dei litotipi riportati nella relazione geotecnica generale. In particolare l'opera provvisionale parte con la testa del cordolo da p.c., la stratigrafia geotecnica assunta nei modelli di calcolo è la seguente:

- I primi 2m unità Ra
- Unità Sr infinitamente distesa
- Falda a profondità di 3.5m dal p.c.

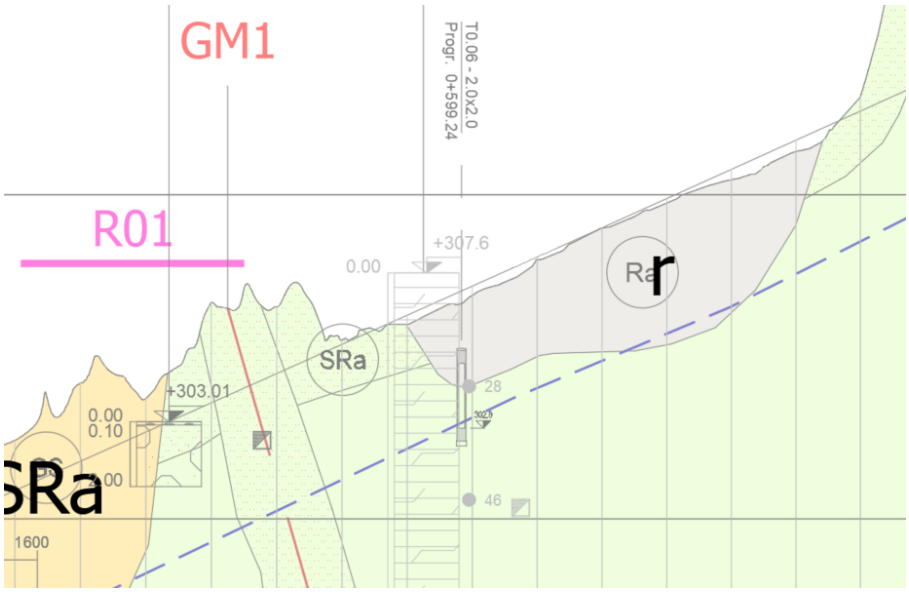


Fig. 3 stratigrafia di progetto

Come mostrato nella stratigrafia, in relazione all'ubicazione dell'opera e alle quote di approfondimento delle stesse, il terreno di fondazione è unico a tutte le opere oggetto della presente relazione ed è rappresentato dalle unità:

Unità Ra (riporto antropico)

γ = 19 kN/m^3	peso di volume naturale
c' = 0 kPa	coesione drenata
φ' = 35°	angolo di resistenza al taglio

Unità SR (calcari marnosi)

γ = 24.5 kN/m^3	peso di volume naturale
c' = 40 kPa	coesione drenata
φ' = 40°	angolo di resistenza al taglio

L'opera è interessata dalla presenza della falda alla quota 3.5m dal p.c..

4.2 Tiranti di ancoraggio

Nella scelta dei valori di α e s si rimanda ai diagrammi di Bustamante e Doix.

In particolare, data la natura del terreno attraversato dal tirante di tipo calcareo – marnoso, agendo a favore di sicurezza, si ha:

α = 1.2

s = Qskin = 150 kPa

Il valore di α adottato rappresenta il limite inferiore per terreni ghiaiosi, ma assume lo stesso valore per le argille, oltre ad essere il limite superiore dei terreni limosi. Tale valore è stato assunto per la verifica dei tiranti in quanto compatibile con entrambe le tipologie di terreno (ghiaia e argille) riscontrati nel profilo geotecnico.

Indicazioni per la scelta del valore di s

TERRENO	Tipo di iniezione	
	IRS	IGU
Da ghiaia a sabbia limosa	SG1	SG2
Limo e argilla	AL1	AL2
Marna, calcare marnoso, calcare tenero fratturato	MC1	MC2
Roccia alterata e/o fratturata	≥ R1	≥ R2

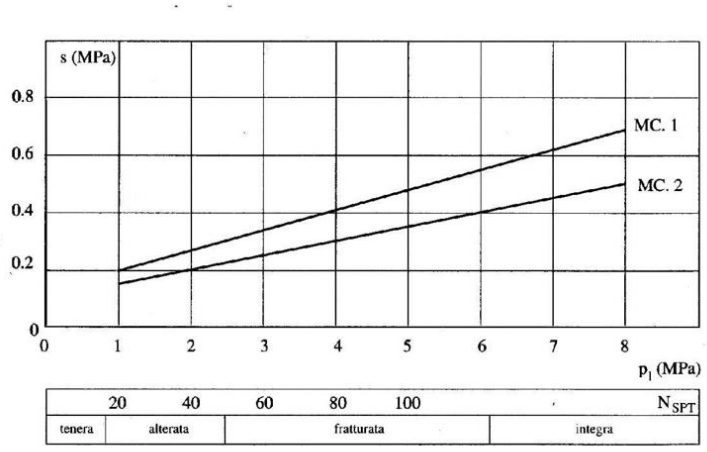


Fig. 13.18. Abaco per il calcolo di s per gessi, marne, marne calcaree

Valori del coefficiente α ($Vs = Ls*\pi*ds^2/4$)

TERRENO	Valori di α		Quantità minima di miscela consigliata	
	IRS	IGU	IRS	IGU
Ghiaia	1.8	1.3 - 1.4	1.5 Vs	1.5 Vs
Ghiaia sabbiosa	1.6 - 1.8	1.2 - 1.4	1.5 Vs	1.5 Vs
sabbia ghiaiosa	1.5 - 1.6	1.2 - 1.3	1.5 Vs	1.5 Vs
Sabbia grossa	1.4 - 1.5	1.1 - 1.2	1.5 Vs	1.5 Vs
Sabbia media	1.4 - 1.5	1.1 - 1.2	1.5 Vs	1.5 Vs
Sabbia fine	1.4 - 1.5	1.1 -1.2	1.5 Vs	1.5 Vs
Sabbia limosa	1.4 - 1.5	1.1 - 1.2	(1.5 - 2) Vs	1.5 Vs
Limo	1.4 - 1.6	1.1 - 1.2	2 Vs	1.5 Vs
Argilla	1.8 - 2.0	1.2	(2.5 - 3) Vs	(1.5 - 2) Vs
Marne	1.8	1.1 - 1.2	(1.5 - 2) Vs per strati compatti	
Calcari marnosi	1.8	1.1 - 1.2	(2 - 6) Vs o più per strati fratturati	
Calcari alterati o fratturati	1.8	1.1 - 1.2		
Roccia alterata e/o fratturata	1.2	1.1	(1.1 - 1.5) Vs per strati poco fratturati; 2 Vs o più per strati fratturati	

5 MODELLAZIONE NUMERICA

5.1 Programmi per l'analisi automatica

Lo stato tenso-deformativo della paratia e le verifiche strutturali sono state svolte con il codice di calcolo *PARATIEPLUS*.

5.2 Modelli di calcolo

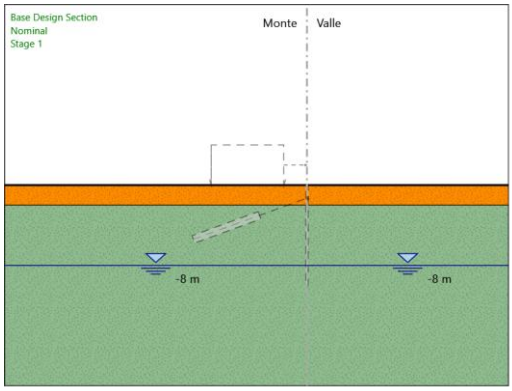
Lo stato tenso-deformativo dei pali è stato investigato mediante il software di calcolo PARATIE PLUS, programma non lineare agli elementi finiti per l'analisi di strutture di sostegno flessibili.
Si è considerato un comportamento piano nelle deformazioni, analizzando una striscia di parete di larghezza unitaria. La realizzazione dello scavo sostenuto da paratie è seguita in tutte le varie fasi attraverso un'analisi statica incrementale: ogni passo di carico coincide con una ben precisa configurazione caratterizzata da una quota di scavo, da un insieme di puntoni e tiranti applicati e da una ben precisa disposizione di carichi applicati.

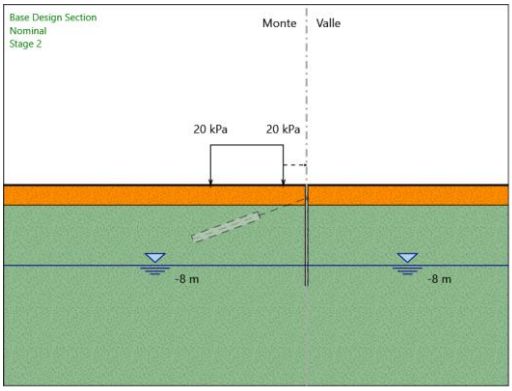
5.3 Paratia provvisionale

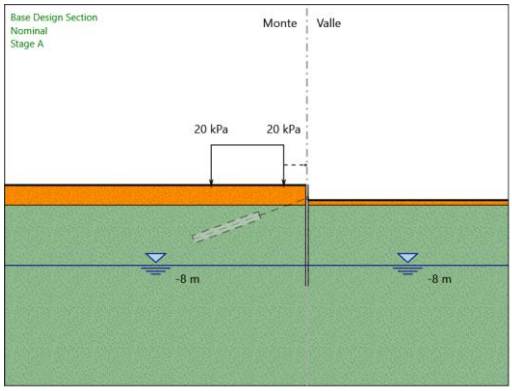
La paratia è costituita micropali D240 interasse 2.4 m, L=10 m.
L'altezza di scavo finale è 5.3 m.

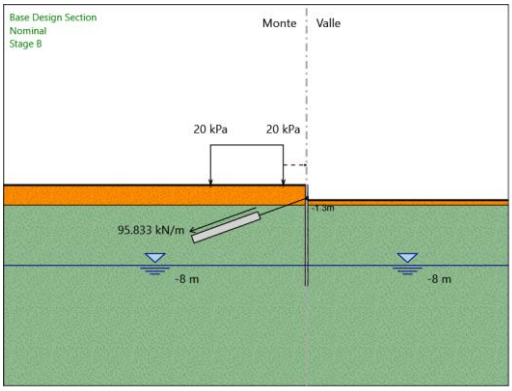
Nella modellazione è implementata la seguente successione di step:

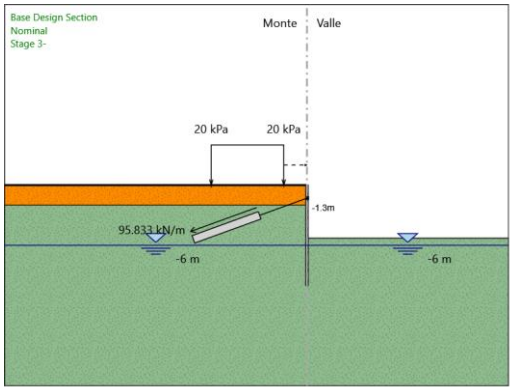
1) Inizializzazione
2) Realizzazione della paratia e applicazione carico stradale
3) Scavo per realizzazione tirante
4) realizzazione tirante
5) scavo finale


Base Design Section
Nominal
Stage 1
Monte
Valle
-8 m
-8 m


Base Design Section
Nominal
Stage 2
Monte
Valle
20 kPa
20 kPa
-8 m
-8 m


Base Design Section
Nominal
Stage A
Monte
Valle
20 kPa
20 kPa
-8 m
-8 m


Base Design Section
Nominal
Stage B
Monte
Valle
20 kPa
20 kPa
95.833 kN/m
-8 m
-8 m


Base Design Section
Nominal
Stage 3-
Monte
Valle
20 kPa
20 kPa
95.833 kN/m
-6 m
-6 m

6 ANALISI DEI CARICHI

6.1 Condizioni di carico e spinta delle terre

Il peso proprio della struttura è calcolato in base alla geometria degli elementi strutturali e al peso specifico assunto per i materiali:

γ_{cls}=25.0 kN/m^3

Nel modello di calcolo impiegato dal software di calcolo PARATIE, la spinta del terreno viene determinata investigando l'interazione statica tra terreno e la struttura deformabile a partire da uno stato di spinta a riposo del terreno sulla paratia.

I parametri che identificano il tipo di legge costitutiva possono essere distinti in due sottoclassi: parametri di spinta e parametri di deformabilità del terreno.

I parametri di spinta sono il coefficiente di spinta a riposo K_0, il coefficiente di spinta attiva K_a e il coefficiente di spinta passiva K_p.

Il coefficiente di spinta a riposo fornisce lo stato tensionale presente in sito prima delle operazioni di scavo. Esso lega la tensione orizzontale efficace σ'_h a quella verticale σ'_v attraverso la relazione:

$\sigma'_h = K_0 \cdot \sigma'_v$

K_0 dipende dalla resistenza del terreno, attraverso il suo angolo di attrito efficace ϕ' e dalla sua storia geologica. Si può assumere che:

$K_0 = K_0^{NC} \cdot (OCR)^m$

dove

$K_0^{NC} = 1 - \text{sen}\ \phi'$

è il coefficiente di spinta a riposo per un terreno normalconsolidato (OCR=1). OCR è il grado di sovraconsolidazione e m è un parametro empirico, di solito compreso tra 0.4 e 0.7.

I coefficienti di spinta attiva e passiva sono forniti dalla teoria di Rankine per una parete liscia dalle seguenti espressioni:

$K_a = \tan^2(45 - \phi'/2)$

$K_p = \tan^2(45 + \phi'/2)$

Per tener conto dell'angolo di attrito δ tra paratia e terreno il software PARATIE impiega per Ka e Kp la formulazione rispettivamente di Coulomb e Lancellotta.

Formulazione di Coulomb per k_a

$$k_a = \frac{\cos^2(\varphi' - \beta)}{\cos^2\beta \cdot \cos(\beta+\delta)\cdot\left[1+\sqrt{\frac{\operatorname{sen}(\delta+\varphi')\cdot\operatorname{sen}(\varphi'-i)}{\cos(\beta+\delta)\cdot\cos(\beta-i)}}\right]^2}$$

dove:

φ' è l'angolo di attrito del terreno

β è l'angolo d'inclinazione del diaframma rispetto alla verticale

δ è l'angolo di attrito paratia-terreno

i è l'angolo d'inclinazione del terreno a monte della paratia rispetto all'orizzontale

Il valore limite della tensione orizzontale sarà pari a

$$\sigma'_h = K_a \cdot \sigma'_v - 2\cdot c'\cdot\sqrt{K_a}$$
$$\sigma'_h = K_p \cdot \sigma'_v + 2\cdot c'\cdot\sqrt{K_p}$$

a seconda che il collasso avvenga in spinta attiva o passiva rispettivamente. c' è la coesione drenata del terreno.

Formulazione di Lancellotta per k_p

$$K_P = \left[\frac{\cos\delta}{1-\sin\Phi'}(\cos\delta+\sqrt{\sin^2\Phi'-\sin^2\delta})\right]e^{2\theta\tan\Phi'}$$

dove:

$$2\theta = \sin^{-1}\left(\frac{\sin\delta}{\sin\Phi'}\right)+\delta$$

6.2 Carico stradale

Si considera un carico di 20 kN/m^2 per la presenza del traffico veicolare a monte.

7 RISULTATI

Nei paragrafi seguenti si riportano i risultati delle analisi condotte per il modello con interasse pari a 2.4m e per quello con interasse pari a 4m.

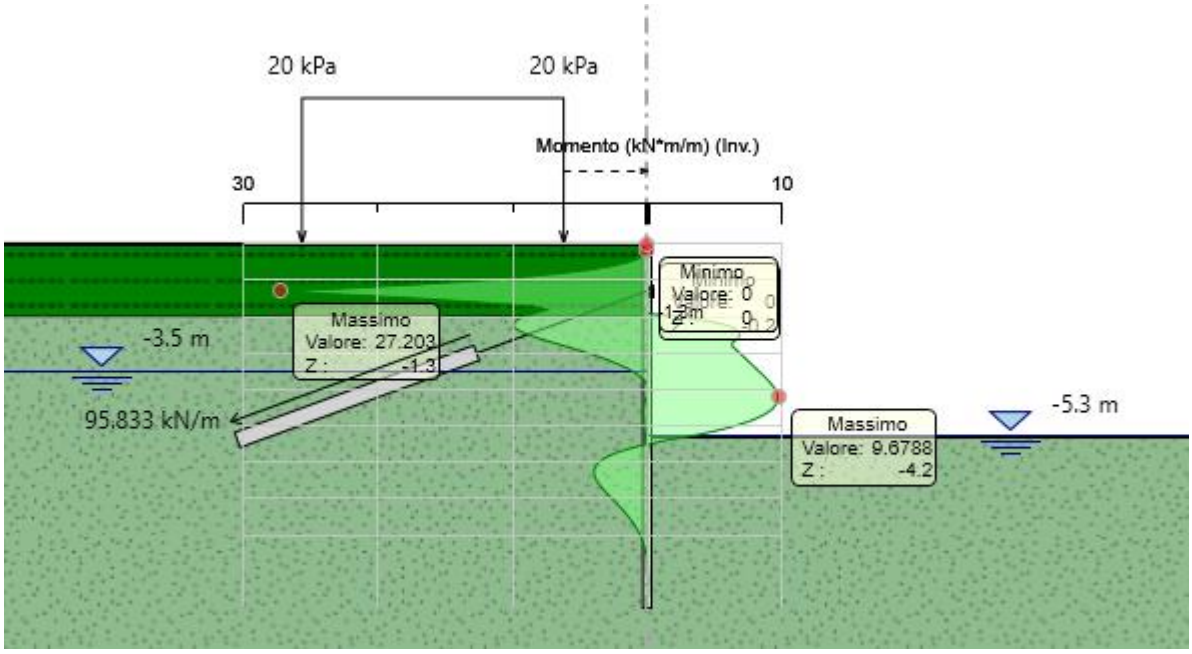
Si riporta l'indicazione dei valori massimi delle sollecitazioni flettenti e taglianti relativi all'analisi al metro.

Per i tabulati di calcolo e i risultati numerici estesi dei modelli, si rimanda agli allegati.

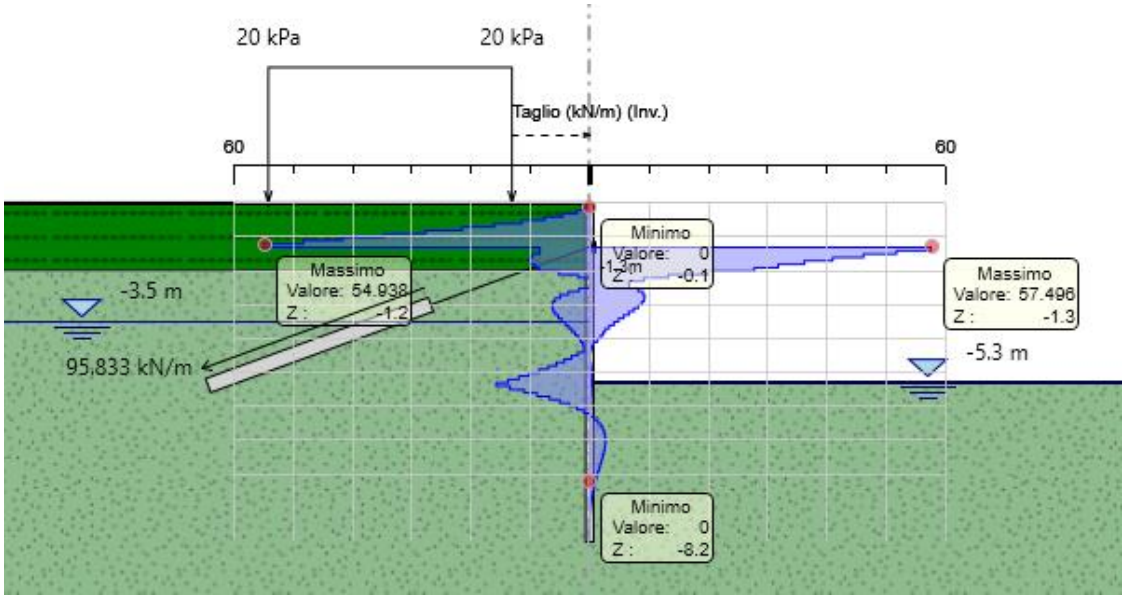
7.1 Verifiche SLU

7.1.1 Modello con interasse tiranti di 2,4m

Dall'inviluppo del momento flettente si osserva che il massimo valore risulta pari a 28 kNm/m.

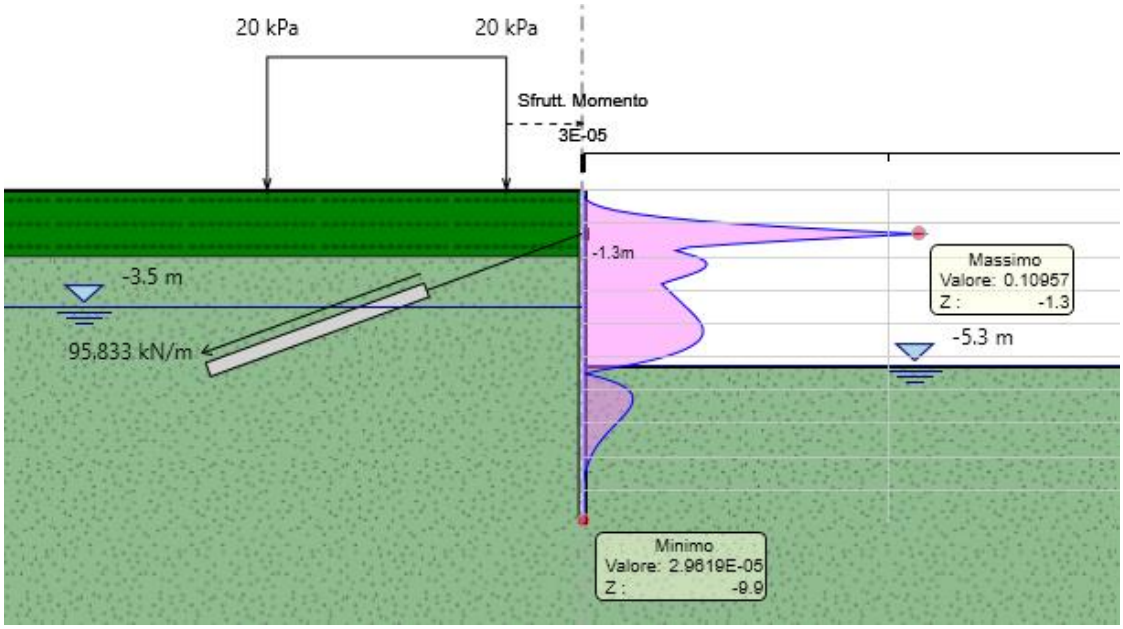


Dall'inviluppo del taglio si osserva che il massimo valore risulta pari a 57 kN/m.

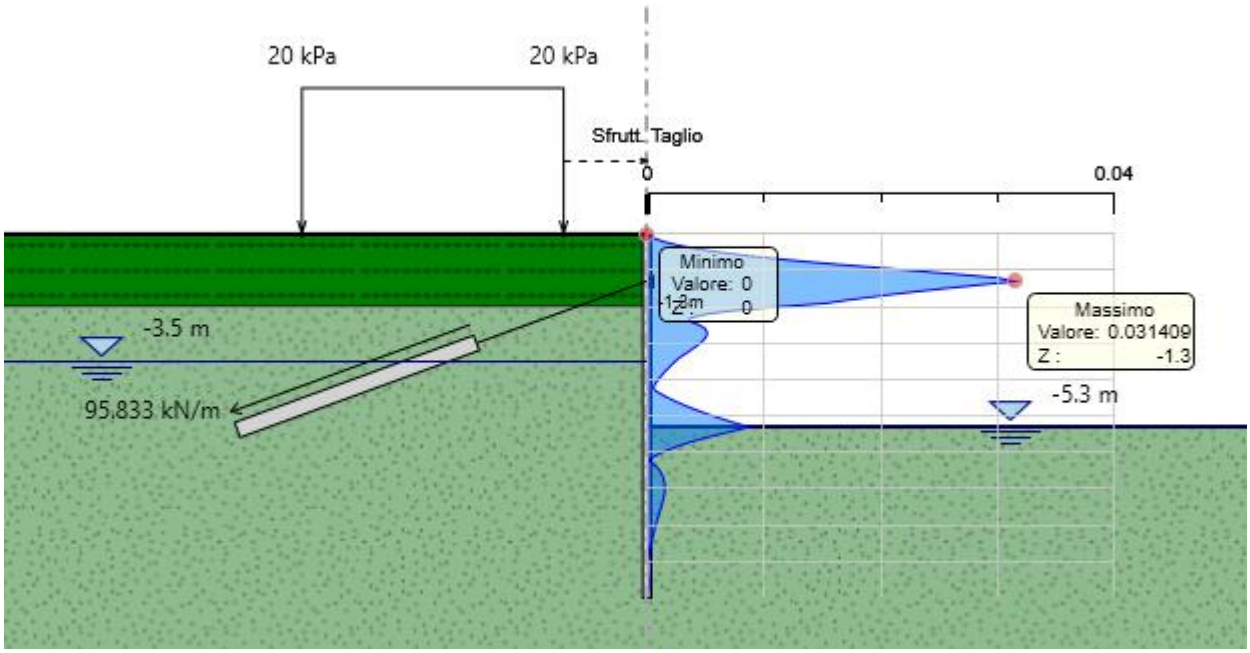


Nel seguito si riportano i risultati delle verifiche strutturali dei pali a flessione e a taglio condotte mediante l'ausilio di Paratie plus. In particolare si riportano i diagrammi dei tassi di sfruttamento, ottenuti come rapporto tra sollecitazione presente e resistenza disponibile in ogni sezione.

Tasso di sfruttamento a momento T.S.F.max = 0.11 <1

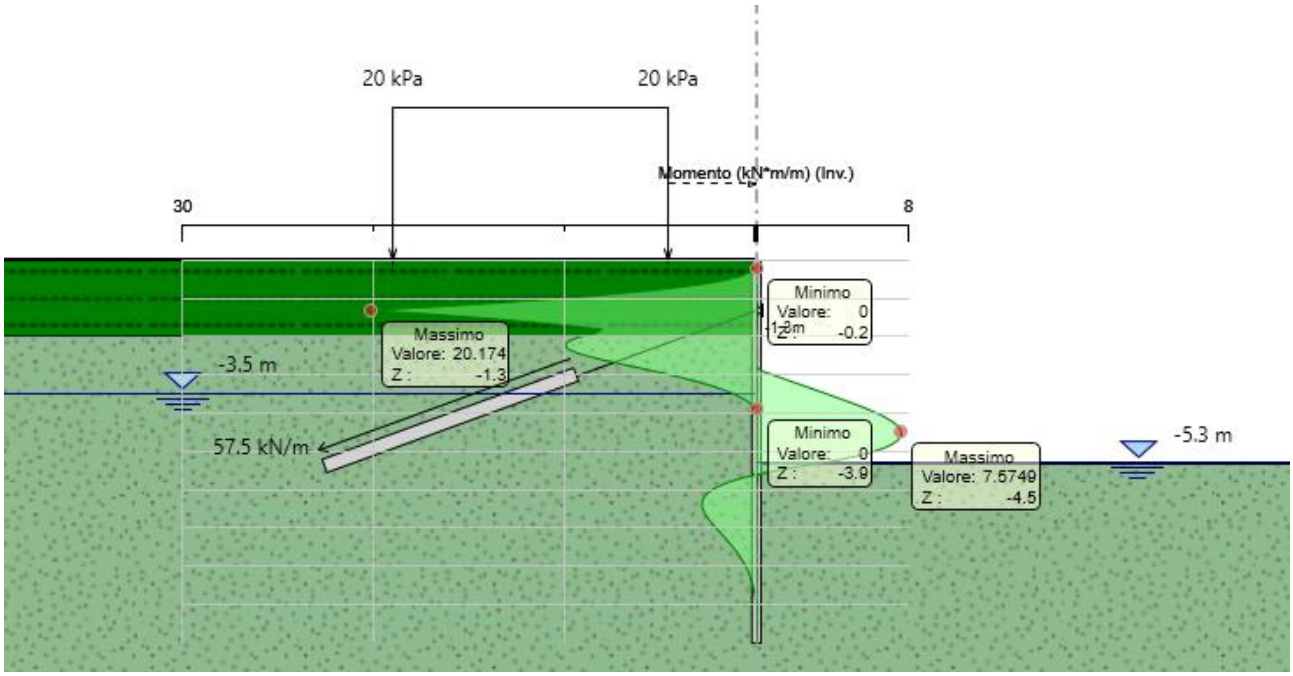


Tasso di sfruttamento a taglio T.S.F.max = 0.03 <1

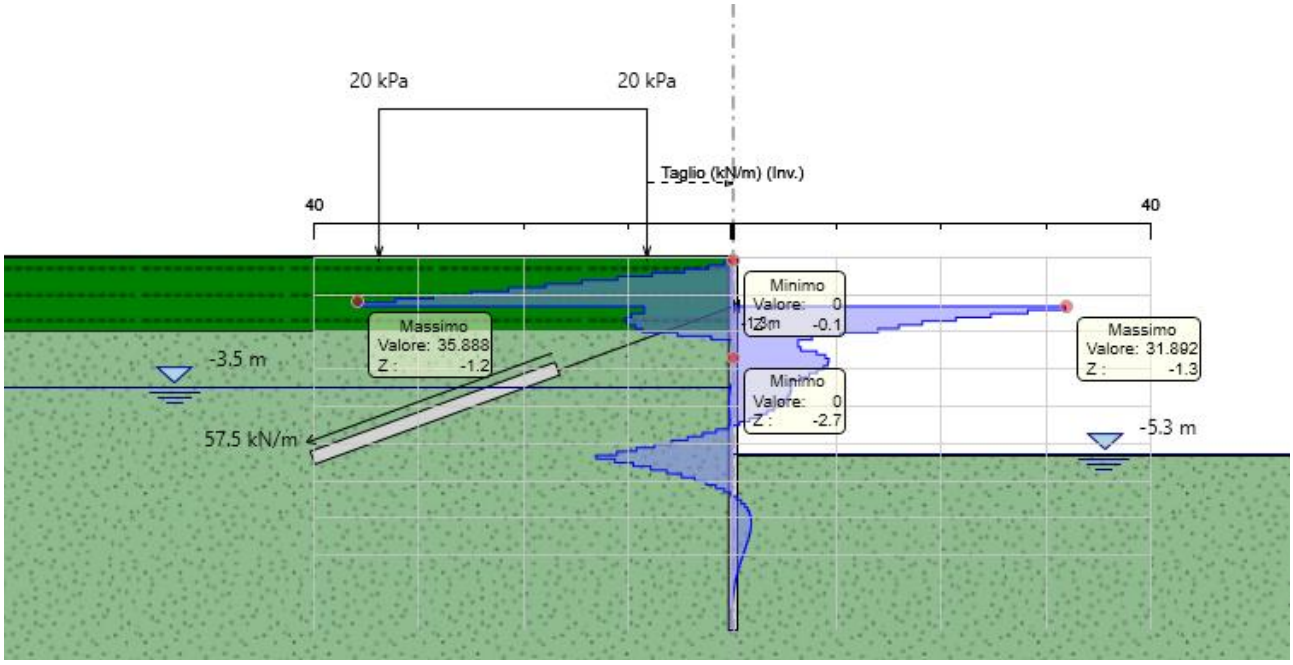


7.1.2 Modello con interasse tiranti di 4m

Dall'inviluppo del momento flettente si osserva che il massimo valore risulta pari a 20 kNm/m.

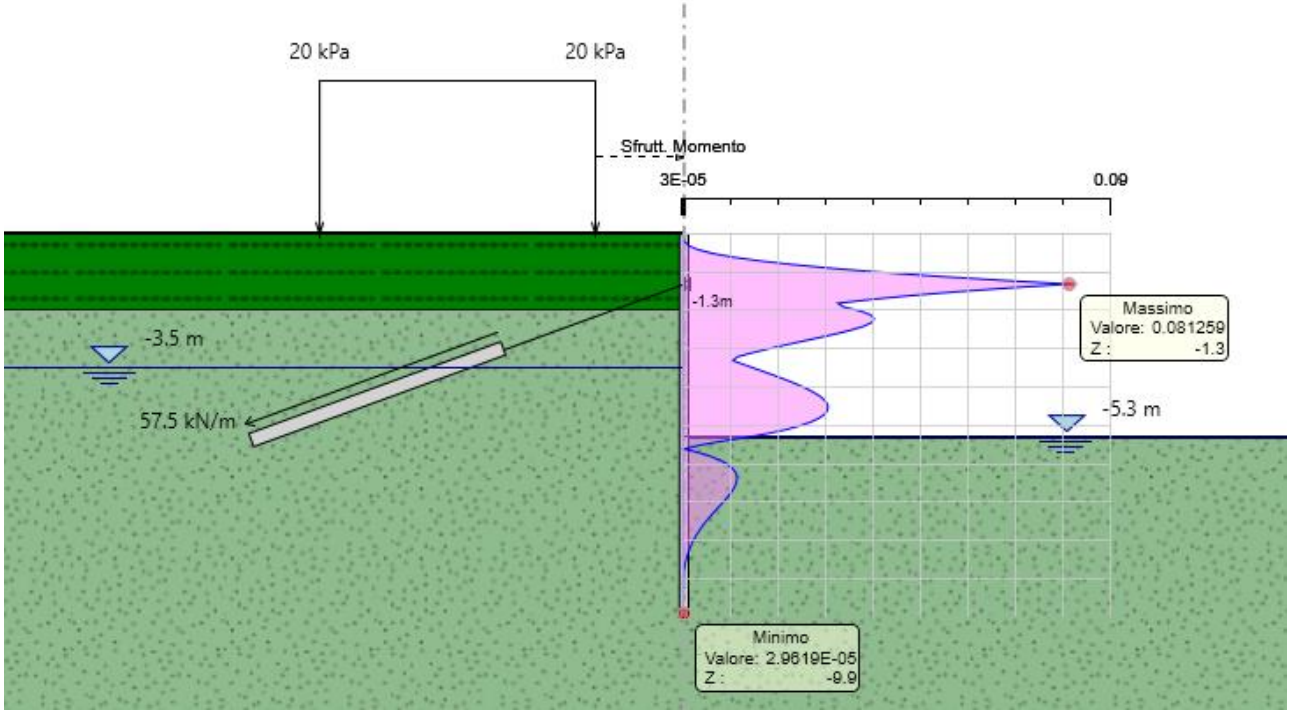


Dall'inviluppo del taglio si osserva che il massimo valore risulta pari a 36 kN/m.

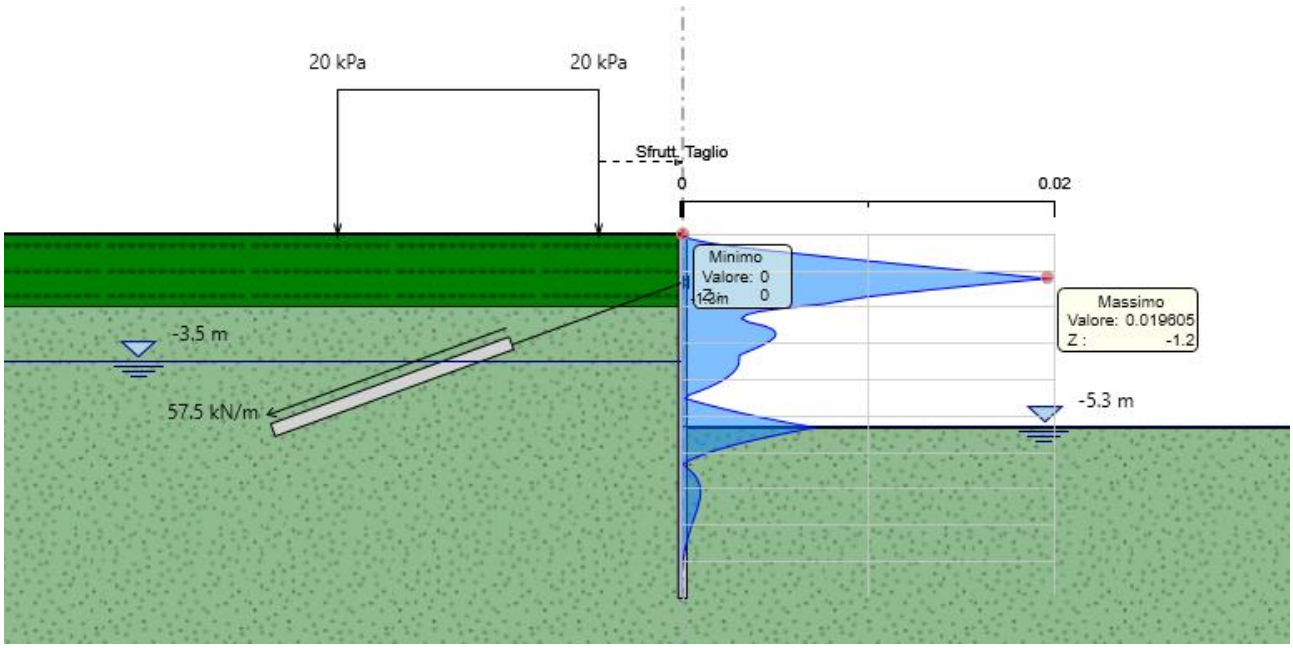


Nel seguito si riportano i risultati delle verifiche strutturali dei pali a flessione e a taglio condotte mediante l'ausilio di Paratie plus. In particolare si riportano i diagrammi dei tassi di sfruttamento, ottenuti come rapporto tra sollecitazione presente e resistenza disponibile in ogni sezione.

Tasso di sfruttamento a momento T.S.F.max = 0.08 <1



Tasso di sfruttamento a taglio T.S.F.max = 0.02 <1

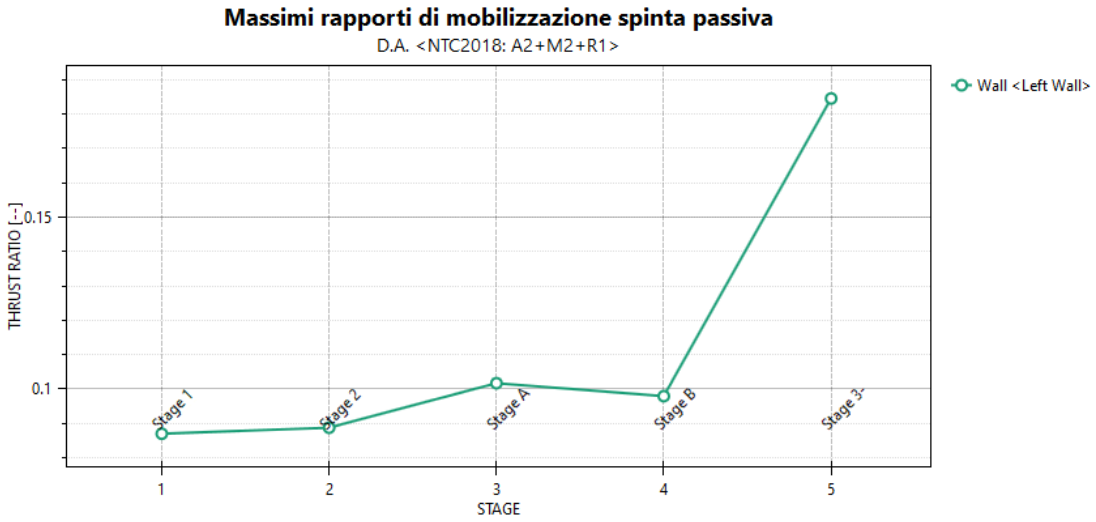


7.2 Verifiche SLE GEO

7.2.1 Modello con interasse tiranti di 2,4m

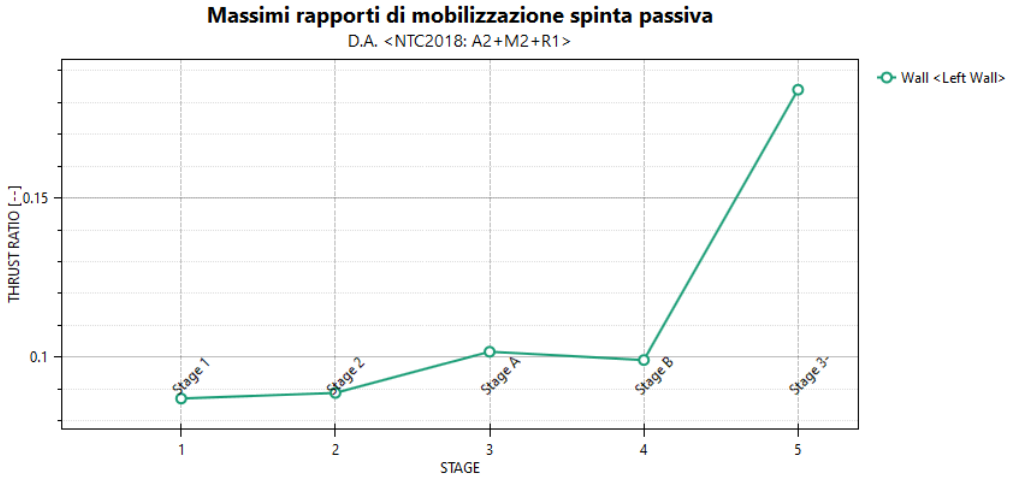
Le verifiche geotecniche sono svolte valutando il coefficiente di sicurezza in termini di rapporto di mobilitazione della spinta passiva, cioè come rapporto tra spinta passiva mobilitata al piede della paratia e la spinta passiva mobilitabile. La verifica è soddisfatta se tale rapporto è inferiore all'unità.

Il massimo rapporto di mobilitazione della spinta passiva è circa il 20%.



7.2.2 Modello con interasse tiranti di 4m

Le verifiche geotecniche sono svolte valutando il coefficiente di sicurezza in termini di rapporto di mobilitazione della spinta passiva, cioè come rapporto tra spinta passiva mobilitata al piede della paratia e la spinta passiva mobilitabile. La verifica è soddisfatta se tale rapporto è inferiore all'unità.
Il massimo rapporto di mobilitazione della spinta passiva è circa il 20%.



7.3 Risultati tiranti

7.3.1 Modello con interasse tiranti di 2,4m

Design Assumption: NTC2018: A1+M1+R1 (R3 per tiranti)

Tiranti | Puntoni | Travi di Ripartizione in Acciaio | Travi di Ripartizione in Calcestruzzo

Tirante	Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	Sfruttamento GEO	Sfruttamento STR	Resistenza	Gerarchia delle Resistenze
Tieback_New_New_N	Stage B	298.99	399.84	605.56	0.748	0.494	✔	✔
Tieback_New_New_N	Stage 3-	297.96	399.84	605.56	0.745	0.492	✔	✔

7.3.2 Modello con interasse tiranti di 4m

Design Assumption: NTC2018: A2+M2+R1

Tiranti | Puntoni | Travi di Ripartizione in Acciaio | Travi di Ripartizione in Calcestruzzo

Tirante	Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	Sfruttamento GEO	Sfruttamento STR	Resistenza	Gerarchia delle Resistenze
Tieback_New_New_N	Stage B	230	399.84	605.56	0.575	0.38	✔	✔
Tieback_New_New_N	Stage 3-	230.07	399.84	605.56	0.575	0.38	✔	✔

7.4 Risultati trave di ripartizione

7.4.1 Modello con interasse tiranti di 2,4m

Design Assumption: NTC2018: A1+M1+R1 (R3 per tiranti)

Tiranti | Puntoni | Travi di Ripartizione in Acciaio | Travi di Ripartizione in Calcestruzzo

Trave di Ripartizione	Connessione	Sezione	Materiale	Passo orizz. (m)	D.A.	Stage	Carico distribuito (kN/m)	Azione Assiale (kN)	Sfruttamento M-N	Sfruttamento Taglio	Instabilità
Default Waler	Tieback_New_N	HE 160B	S355	2.4	NTC2018: A1+M	Stage B	124.58	0	0.42	0.28	0
Default Waler	Tieback_New_N	HE 160B	S355	2.4	NTC2018: A1+M	Stage 3-	124.15	0	0.418	0.279	0

7.4.2 Modello con interasse tiranti di 4m

Design Assumption: NTC2018: A2+M2+R1

Tiranti | Puntoni | Travi di Ripartizione in Acciaio | Travi di Ripartizione in Calcestruzzo

Trave di Ripartizione	Connessione	Sezione	Materiale	Passo orizz. (m)	D.A.	Stage	Carico distribuito (kN/m)	Azione Assiale (kN)	Sfruttamento M-N	Sfruttamento Taglio	Instabilità
Default Waler	Tieback_New_N	HE 160B	S355	4	NTC2018: A2+M	Stage B	57.5	0	0.538	0.215	0
Default Waler	Tieback_New_N	HE 160B	S355	4	NTC2018: A2+M	Stage 3-	57.518	0	0.538	0.215	0

8 VERIFICHE DEL CORDOLO

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 pali ed il carico, uniformemente distribuito, è determinato ripartendo il taglio sollecitante a metro lineare alla quota inferiore del cordolo, ottenute del modello di calcolo dell'opera di sostegno. Per essere più cautelativi lo schema considerato non è quello di una trave su più appoggi, ma quello ad una sola campata con luce pari a due volte l'interasse dei pali, in modo da considerare il cordolo sollecitato anche nel caso in cui un palo non è stato opportunamente ancorato. Secondo tale modello le massime azioni di calcolo sull'elemento strutturale saranno le seguenti:

$$M_{ed} = \frac{q_{ed} \cdot l^2}{8} \qquad V_{ed} = \frac{q_{ed} \cdot l}{2}$$

Elemento	Inviluppo SLU			SLE frequente			SLU	SLE	Luce
	MY, Ed	Ned	VEd,	M, Ed	VEd,	Ned	Ved	Ved	L
	[kNm]	[kN]	[kN]	[kNm]	[kN]	[kN]	[kN/m]	[kN/m]	[m]
Cordolo	4.32	0.00	21.60	3.36	16.80	0.00	54.00	42.00	0.80

GEOMETRIA				VERIFICA A PRESSOFLESSIONE						FS
Elemento		b	h	Med,	Armature	As	c	d	MRd	
		[mm]	[mm]	[kNm]		[mm²]	[mm]	[mm]	[kNm]	[-]
Cordolo	Lato DX	500	500	4.3	3 ϕ16	603.19	60	440	103	23.84
	Lato SX				3 ϕ16	603.19	60			

Elemento	Armature trasversali				Taglio Trazione		FS
	nb	Ø	p	Asw	VRsd	Vrd	
			(mm)	(mm2)	(KN)		
Cordolo	2	8	200	100.53	194.72	194.72	9.02

Verifica delle tensioni	Med	σc	0,6 fck	FS	σf	0,8 fyk	FS
	[kNm]	[Mpa]	[Mpa]	[-]	[Mpa]	[Mpa]	[-]
Comb. Rara	3.4	0.30	19.9	66.40	17.00	360.0	21.18

Verifica delle tensioni	Med	σc	0,45 fck	FS
	[kNm]	[Mpa]	[Mpa]	[-]
Comb. Q.Perm.	3.4	0.30	14.9	49.80

Verifica delle tensioni	Med	σf	Kt	xe	hc,eff	ρeff	εsm	φeq	K1	K2	Δs,max	wf	w1	FS
	[kNm]	[Mpa]		mm	mm						mm	[mm]	[mm]	[-]
Comb. Q. Perm.	3.4	17.00	0.4	103	132	0.01	0.00	16	0.8	0.5	475	0.039	0.20	5.10
Comb. Freq.	3.4	17.00		103	132	0.01	0.00	16			475	0.039	0.30	7.65

9 ALLEGATO 1: tabulato di calcolo paratia (interasse tiranti 2.4 m)

Descrizione della Stratigrafia e degli Strati di Terreno

Tipo : POLYLINE
Punti
(-30;0)
(10;0)
(20;0)
(20;-40)
(-30;-40)
OCR : 1

Tipo : POLYLINE
Punti
(-30;-2)
(20;-2)
(20;-20)
(-30;-20)
OCR : 1

Strato di Terreno	Terreno	γ dry	γ sat	ø'	øcv	øp	c'	Su	Modulo Elastico	Eu	Evc	Eur	Ah	Av	exp	Pa	Rur/Rvc	Rvc	Ku	Kvc	Kur
		kN/m³	kN/m³	°	°	°	kPa	kPa			kPa	kPa				kPa		kPa	kN/m³	kN/m³	kN/m³
1	RILEVATO	19	19	35			0		Constant		50000	80000									
2	unità SR	24.5	24.5	40			40		Constant		150000	240000									

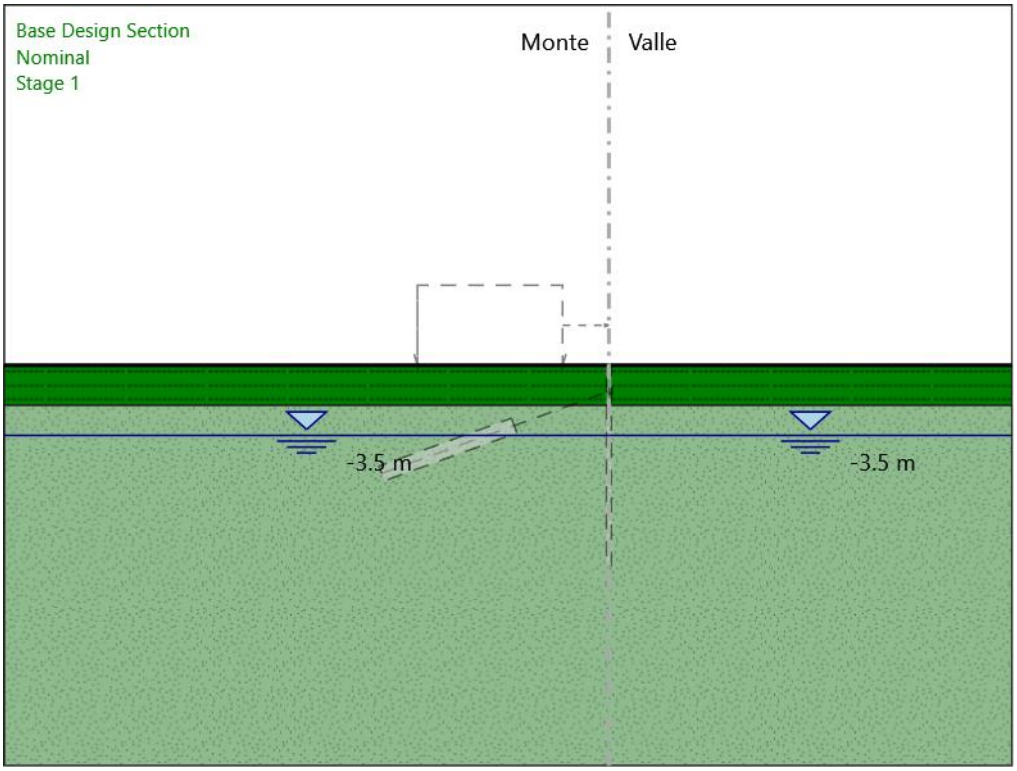
Descrizione Pareti

X : 0 m
Quota in alto : 0 m
Quota di fondo : -10 m
Muro di sinistra

Sezione : mc 240 inter 40 cm
Area equivalente : 0.0294745535317205 m
Inerzia equivalente : 0.0001 m^4/m
Materiale calcestruzzo : C25/30
Tipo sezione : Tangent
Spaziatura : 0.4 m
Diametro : 0.24 m
Efficacia : 1
Materiale acciaio : S355
Sezione : CHS168.3*12
Tipo sezione : O
Spaziatura : 0.4 m
Spessore : 0.012 m
Diametro : 0.1683 m

Fasi di Calcolo

Stage 1



Stage 1

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

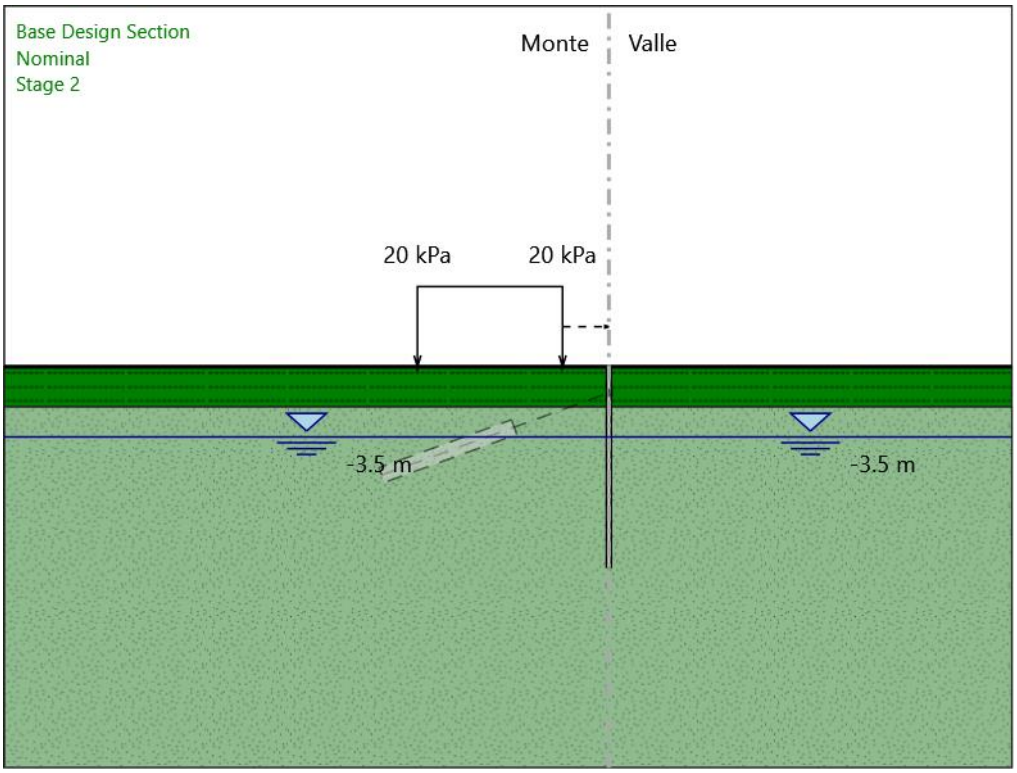
0 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -3.5 m

Stage 2



Stage 2

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

0 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -3.5 m

Carichi

Carico lineare in superficie : SurfaceSurcharge

X iniziale : -9.5 m

X finale : -2.3 m

Pressione iniziale : 20 kPa

Pressione finale : 20 kPa

Elementi strutturali

Paratia : paratia sx

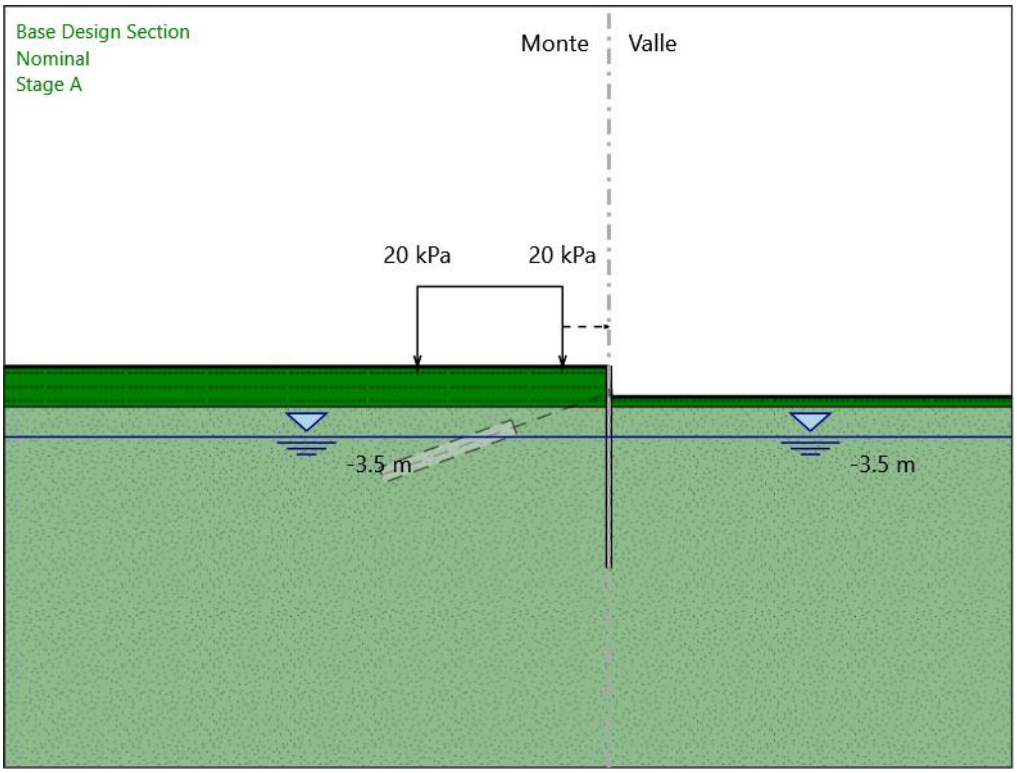
X : 0 m

Quota in alto : 0 m

Quota di fondo : -10 m

Sezione : mc 240 inter 40 cm

Stage A



Stage A

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -1.5 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-1.5 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -3.5 m

Carichi

Carico lineare in superficie : SurfaceSurcharge

X iniziale : -9.5 m

X finale : -2.3 m

Pressione iniziale : 20 kPa

Pressione finale : 20 kPa

Elementi strutturali

Paratia : paratia sx

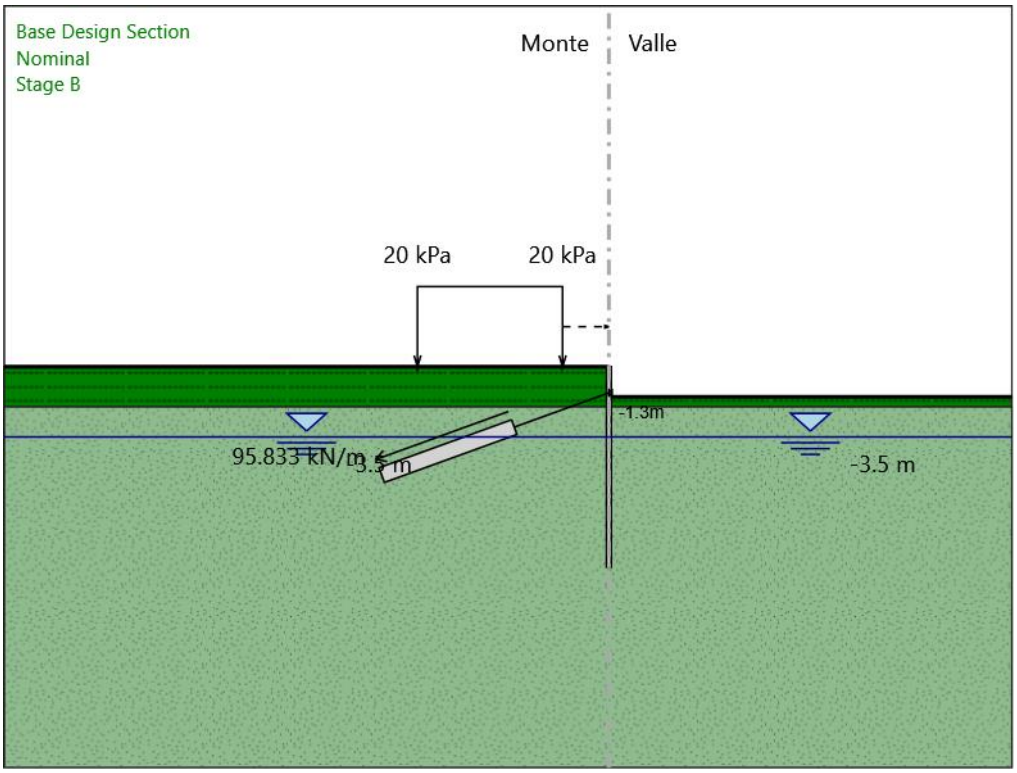
X : 0 m

Quota in alto : 0 m

Quota di fondo : -10 m

Sezione : mc 240 inter 40 cm

Stage B



Stage B

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -1.5 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-1.5 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -3.5 m

Carichi

Carico lineare in superficie : SurfaceSurcharge

X iniziale : -9.5 m

X finale : -2.3 m

Pressione iniziale : 20 kPa

Pressione finale : 20 kPa

Elementi strutturali

Paratia : paratia sx

X : 0 m

Quota in alto : 0 m

Quota di fondo : -10 m

Sezione : mc 240 inter 40 cm

Tirante : Tieback_New_New_New_New

X : 0 m

Z : -1.3 m

Lunghezza bulbo : 7 m

Diametro bulbo : 0.2 m

Lunghezza libera : 5 m

Spaziatura orizzontale : 2.4 m

Precarico : 230 kN

Angolo : 20 °

Sezione : 3 strands

Tipo di barre : Barre trefoli

Numero di barre : 3

Diametro : 0.01331 m

Area : 0.000417 m^2

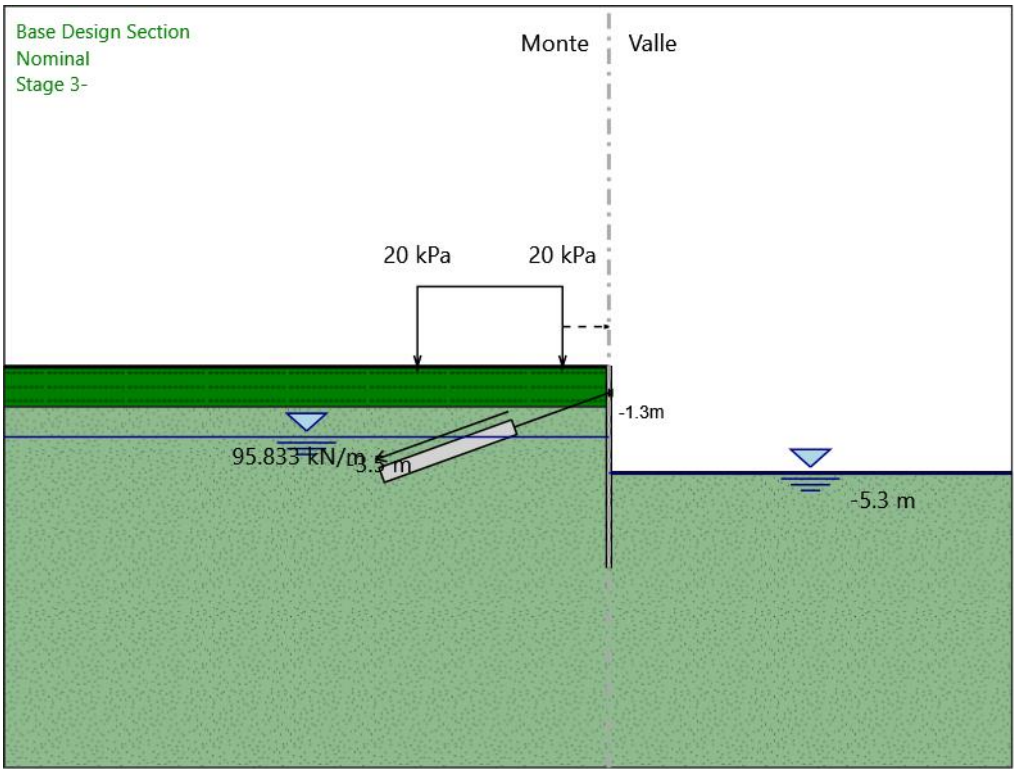
Trave di Ripartizione : Default Waler

Sezione : Waler Section 2 steel

HE 160B

Materiale : S355

Stage 3-



Stage 3-

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -5.3 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-5.3 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -5.3 m

Carichi

Carico lineare in superficie : SurfaceSurcharge

X iniziale : -9.5 m

X finale : -2.3 m

Pressione iniziale : 20 kPa

Pressione finale : 20 kPa

Elementi strutturali

Paratia : paratia sx

X : 0 m

Quota in alto : 0 m

Quota di fondo : -10 m

Sezione : mc 240 inter 40 cm

Tirante : Tieback_New_New_New_New

X : 0 m

Z : -1.3 m

Lunghezza bulbo : 7 m

Diametro bulbo : 0.2 m

Lunghezza libera : 5 m

Spaziatura orizzontale : 2.4 m

Precarico : 230 kN

Angolo : 20 °

Sezione : 3 strands

Tipo di barre : Barre trefoli

Numero di barre : 3

Diametro : 0.01331 m

Area : 0.000417 m^2

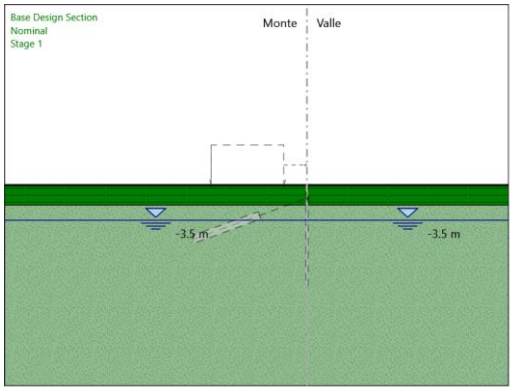
Trave di Ripartizione : Default Waler

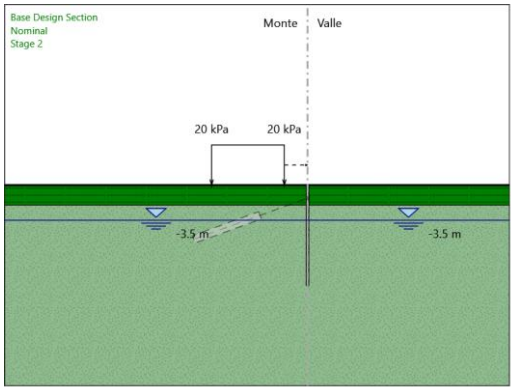
Sezione : Waler Section 2 steel

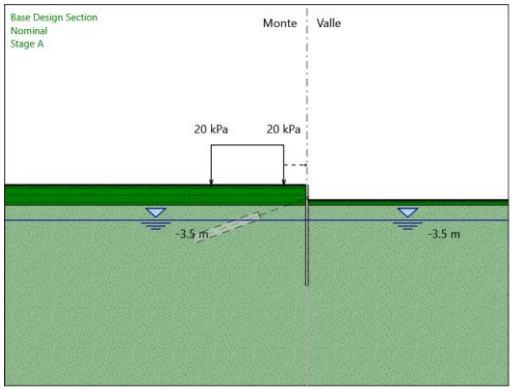
HE 160B

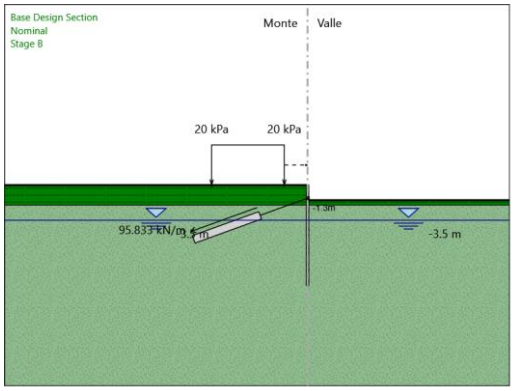
Materiale : S355

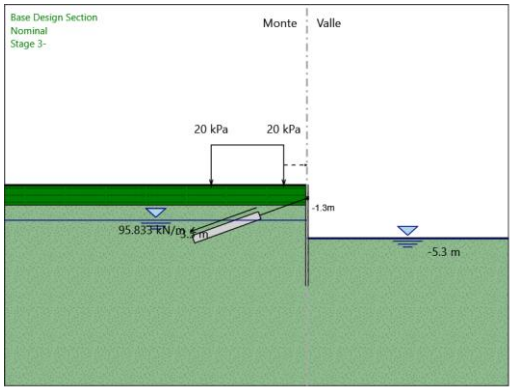
Tabella Configurazione Stage (Nominal)











Grafici dei Risultati

Design Assumption : Nominal

Tabella Spostamento Nominal - LEFT Stage: Stage 1

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	0	0
Stage 1	-0.1	0
Stage 1	-0.2	0
Stage 1	-0.3	0
Stage 1	-0.4	0
Stage 1	-0.5	0
Stage 1	-0.6	0
Stage 1	-0.7	0
Stage 1	-0.8	0
Stage 1	-0.9	0
Stage 1	-1	0
Stage 1	-1.1	0
Stage 1	-1.2	0
Stage 1	-1.3	0
Stage 1	-1.4	0
Stage 1	-1.5	0
Stage 1	-1.6	0
Stage 1	-1.7	0
Stage 1	-1.8	0
Stage 1	-1.9	0
Stage 1	-2	0
Stage 1	-2.1	0
Stage 1	-2.2	0
Stage 1	-2.3	0
Stage 1	-2.4	0
Stage 1	-2.5	0
Stage 1	-2.6	0
Stage 1	-2.7	0
Stage 1	-2.8	0
Stage 1	-2.9	0
Stage 1	-3	0
Stage 1	-3.1	0
Stage 1	-3.2	0
Stage 1	-3.3	0
Stage 1	-3.4	0
Stage 1	-3.5	0
Stage 1	-3.6	0
Stage 1	-3.7	0
Stage 1	-3.8	0
Stage 1	-3.9	0
Stage 1	-4	0
Stage 1	-4.1	0
Stage 1	-4.2	0
Stage 1	-4.3	0
Stage 1	-4.4	0
Stage 1	-4.5	0
Stage 1	-4.6	0
Stage 1	-4.7	0
Stage 1	-4.8	0
Stage 1	-4.9	0
Stage 1	-5	0
Stage 1	-5.1	0
Stage 1	-5.2	0
Stage 1	-5.3	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	-5.4	0
Stage 1	-5.5	0
Stage 1	-5.6	0
Stage 1	-5.7	0
Stage 1	-5.8	0
Stage 1	-5.9	0
Stage 1	-6	0
Stage 1	-6.1	0
Stage 1	-6.2	0
Stage 1	-6.3	0
Stage 1	-6.4	0
Stage 1	-6.5	0
Stage 1	-6.6	0
Stage 1	-6.7	0
Stage 1	-6.8	0
Stage 1	-6.9	0
Stage 1	-7	0
Stage 1	-7.1	0
Stage 1	-7.2	0
Stage 1	-7.3	0
Stage 1	-7.4	0
Stage 1	-7.5	0
Stage 1	-7.6	0
Stage 1	-7.7	0
Stage 1	-7.8	0
Stage 1	-7.9	0
Stage 1	-8	0
Stage 1	-8.1	0
Stage 1	-8.2	0
Stage 1	-8.3	0
Stage 1	-8.4	0
Stage 1	-8.5	0
Stage 1	-8.6	0
Stage 1	-8.7	0
Stage 1	-8.8	0
Stage 1	-8.9	0
Stage 1	-9	0
Stage 1	-9.1	0
Stage 1	-9.2	0
Stage 1	-9.3	0
Stage 1	-9.4	0
Stage 1	-9.5	0
Stage 1	-9.6	0
Stage 1	-9.7	0
Stage 1	-9.8	0
Stage 1	-9.9	0
Stage 1	-10	0

Tabella Spostamento Nominal - LEFT Stage: Stage 2

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2	0	0
Stage 2	-0.1	0
Stage 2	-0.2	0
Stage 2	-0.3	0
Stage 2	-0.4	0
Stage 2	-0.5	0
Stage 2	-0.6	0
Stage 2	-0.7	0
Stage 2	-0.8	0
Stage 2	-0.9	0
Stage 2	-1	0
Stage 2	-1.1	0
Stage 2	-1.2	0
Stage 2	-1.3	0
Stage 2	-1.4	0
Stage 2	-1.5	0
Stage 2	-1.6	0
Stage 2	-1.7	0
Stage 2	-1.8	0
Stage 2	-1.9	0
Stage 2	-2	0
Stage 2	-2.1	0
Stage 2	-2.2	0
Stage 2	-2.3	0
Stage 2	-2.4	0
Stage 2	-2.5	0
Stage 2	-2.6	0
Stage 2	-2.7	0
Stage 2	-2.8	0
Stage 2	-2.9	0
Stage 2	-3	0
Stage 2	-3.1	0
Stage 2	-3.2	0
Stage 2	-3.3	0
Stage 2	-3.4	0
Stage 2	-3.5	0
Stage 2	-3.6	0
Stage 2	-3.7	0
Stage 2	-3.8	0
Stage 2	-3.9	0
Stage 2	-4	0
Stage 2	-4.1	0.01
Stage 2	-4.2	0.01
Stage 2	-4.3	0.01
Stage 2	-4.4	0.01
Stage 2	-4.5	0.01
Stage 2	-4.6	0.01
Stage 2	-4.7	0.01
Stage 2	-4.8	0.01
Stage 2	-4.9	0.01
Stage 2	-5	0.01
Stage 2	-5.1	0.01
Stage 2	-5.2	0.01
Stage 2	-5.3	0.01
Stage 2	-5.4	0.01
Stage 2	-5.5	0.01
Stage 2	-5.6	0.01
Stage 2	-5.7	0.01
Stage 2	-5.8	0.01
Stage 2	-5.9	0.01
Stage 2	-6	0.01

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2	-6.1	0.01
Stage 2	-6.2	0.01
Stage 2	-6.3	0.01
Stage 2	-6.4	0.01
Stage 2	-6.5	0.01
Stage 2	-6.6	0.01
Stage 2	-6.7	0.01
Stage 2	-6.8	0.01
Stage 2	-6.9	0.01
Stage 2	-7	0.01
Stage 2	-7.1	0.01
Stage 2	-7.2	0.01
Stage 2	-7.3	0.01
Stage 2	-7.4	0.01
Stage 2	-7.5	0.01
Stage 2	-7.6	0.01
Stage 2	-7.7	0.01
Stage 2	-7.8	0.01
Stage 2	-7.9	0.01
Stage 2	-8	0.01
Stage 2	-8.1	0.01
Stage 2	-8.2	0.01
Stage 2	-8.3	0.01
Stage 2	-8.4	0.01
Stage 2	-8.5	0.01
Stage 2	-8.6	0.01
Stage 2	-8.7	0.01
Stage 2	-8.8	0.01
Stage 2	-8.9	0.01
Stage 2	-9	0.01
Stage 2	-9.1	0.01
Stage 2	-9.2	0.01
Stage 2	-9.3	0.01
Stage 2	-9.4	0.01
Stage 2	-9.5	0.01
Stage 2	-9.6	0.01
Stage 2	-9.7	0.01
Stage 2	-9.8	0.01
Stage 2	-9.9	0.01
Stage 2	-10	0.01

Tabella Spostamento Nominal - LEFT Stage: Stage A

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage A	0	1.15
Stage A	-0.1	1.09
Stage A	-0.2	1.04
Stage A	-0.3	0.99
Stage A	-0.4	0.94
Stage A	-0.5	0.88
Stage A	-0.6	0.83
Stage A	-0.7	0.78
Stage A	-0.8	0.73
Stage A	-0.9	0.68
Stage A	-1	0.63
Stage A	-1.1	0.57
Stage A	-1.2	0.52
Stage A	-1.3	0.48
Stage A	-1.4	0.43
Stage A	-1.5	0.38
Stage A	-1.6	0.34
Stage A	-1.7	0.29
Stage A	-1.8	0.25
Stage A	-1.9	0.21
Stage A	-2	0.18
Stage A	-2.1	0.15
Stage A	-2.2	0.12
Stage A	-2.3	0.09
Stage A	-2.4	0.07
Stage A	-2.5	0.06
Stage A	-2.6	0.04
Stage A	-2.7	0.03
Stage A	-2.8	0.02
Stage A	-2.9	0.02
Stage A	-3	0.01
Stage A	-3.1	0.01
Stage A	-3.2	0.01
Stage A	-3.3	0.01
Stage A	-3.4	0.01
Stage A	-3.5	0.01
Stage A	-3.6	0.01
Stage A	-3.7	0.01
Stage A	-3.8	0.01
Stage A	-3.9	0.02
Stage A	-4	0.02
Stage A	-4.1	0.02
Stage A	-4.2	0.02
Stage A	-4.3	0.02
Stage A	-4.4	0.02
Stage A	-4.5	0.02
Stage A	-4.6	0.03
Stage A	-4.7	0.03
Stage A	-4.8	0.03
Stage A	-4.9	0.03
Stage A	-5	0.03
Stage A	-5.1	0.03
Stage A	-5.2	0.03
Stage A	-5.3	0.03
Stage A	-5.4	0.03
Stage A	-5.5	0.03
Stage A	-5.6	0.03
Stage A	-5.7	0.03
Stage A	-5.8	0.03
Stage A	-5.9	0.03
Stage A	-6	0.03

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage A	-6.1	0.03
Stage A	-6.2	0.03
Stage A	-6.3	0.03
Stage A	-6.4	0.03
Stage A	-6.5	0.03
Stage A	-6.6	0.03
Stage A	-6.7	0.03
Stage A	-6.8	0.03
Stage A	-6.9	0.03
Stage A	-7	0.03
Stage A	-7.1	0.03
Stage A	-7.2	0.03
Stage A	-7.3	0.03
Stage A	-7.4	0.03
Stage A	-7.5	0.03
Stage A	-7.6	0.03
Stage A	-7.7	0.03
Stage A	-7.8	0.03
Stage A	-7.9	0.03
Stage A	-8	0.03
Stage A	-8.1	0.03
Stage A	-8.2	0.03
Stage A	-8.3	0.03
Stage A	-8.4	0.03
Stage A	-8.5	0.03
Stage A	-8.6	0.03
Stage A	-8.7	0.03
Stage A	-8.8	0.03
Stage A	-8.9	0.03
Stage A	-9	0.03
Stage A	-9.1	0.03
Stage A	-9.2	0.03
Stage A	-9.3	0.03
Stage A	-9.4	0.03
Stage A	-9.5	0.03
Stage A	-9.6	0.03
Stage A	-9.7	0.03
Stage A	-9.8	0.03
Stage A	-9.9	0.03
Stage A	-10	0.03

Tabella Spostamento Nominal - LEFT Stage: Stage B

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage B	0	0.03
Stage B	-0.1	0
Stage B	-0.2	-0.03
Stage B	-0.3	-0.06
Stage B	-0.4	-0.09
Stage B	-0.5	-0.12
Stage B	-0.6	-0.16
Stage B	-0.7	-0.19
Stage B	-0.8	-0.21
Stage B	-0.9	-0.24
Stage B	-1	-0.26
Stage B	-1.1	-0.28
Stage B	-1.2	-0.29
Stage B	-1.3	-0.29
Stage B	-1.4	-0.29
Stage B	-1.5	-0.27
Stage B	-1.6	-0.25
Stage B	-1.7	-0.23
Stage B	-1.8	-0.2
Stage B	-1.9	-0.18
Stage B	-2	-0.15
Stage B	-2.1	-0.12
Stage B	-2.2	-0.1
Stage B	-2.3	-0.07
Stage B	-2.4	-0.05
Stage B	-2.5	-0.03
Stage B	-2.6	-0.02
Stage B	-2.7	0
Stage B	-2.8	0.01
Stage B	-2.9	0.02
Stage B	-3	0.02
Stage B	-3.1	0.03
Stage B	-3.2	0.03
Stage B	-3.3	0.04
Stage B	-3.4	0.04
Stage B	-3.5	0.04
Stage B	-3.6	0.04
Stage B	-3.7	0.04
Stage B	-3.8	0.04
Stage B	-3.9	0.04
Stage B	-4	0.04
Stage B	-4.1	0.03
Stage B	-4.2	0.03
Stage B	-4.3	0.03
Stage B	-4.4	0.03
Stage B	-4.5	0.03
Stage B	-4.6	0.03
Stage B	-4.7	0.03
Stage B	-4.8	0.03
Stage B	-4.9	0.03
Stage B	-5	0.03
Stage B	-5.1	0.03
Stage B	-5.2	0.03
Stage B	-5.3	0.03
Stage B	-5.4	0.03
Stage B	-5.5	0.03
Stage B	-5.6	0.03
Stage B	-5.7	0.03
Stage B	-5.8	0.03
Stage B	-5.9	0.03
Stage B	-6	0.03

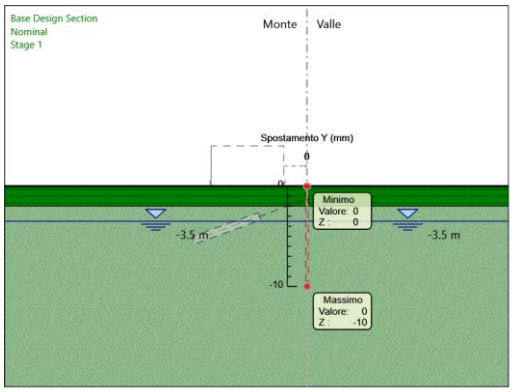
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage B	-6.1	0.03
Stage B	-6.2	0.03
Stage B	-6.3	0.03
Stage B	-6.4	0.03
Stage B	-6.5	0.03
Stage B	-6.6	0.03
Stage B	-6.7	0.03
Stage B	-6.8	0.03
Stage B	-6.9	0.03
Stage B	-7	0.03
Stage B	-7.1	0.03
Stage B	-7.2	0.03
Stage B	-7.3	0.03
Stage B	-7.4	0.03
Stage B	-7.5	0.03
Stage B	-7.6	0.03
Stage B	-7.7	0.03
Stage B	-7.8	0.03
Stage B	-7.9	0.03
Stage B	-8	0.03
Stage B	-8.1	0.03
Stage B	-8.2	0.03
Stage B	-8.3	0.03
Stage B	-8.4	0.03
Stage B	-8.5	0.03
Stage B	-8.6	0.03
Stage B	-8.7	0.03
Stage B	-8.8	0.03
Stage B	-8.9	0.03
Stage B	-9	0.03
Stage B	-9.1	0.03
Stage B	-9.2	0.03
Stage B	-9.3	0.03
Stage B	-9.4	0.03
Stage B	-9.5	0.03
Stage B	-9.6	0.03
Stage B	-9.7	0.03
Stage B	-9.8	0.03
Stage B	-9.9	0.03
Stage B	-10	0.03

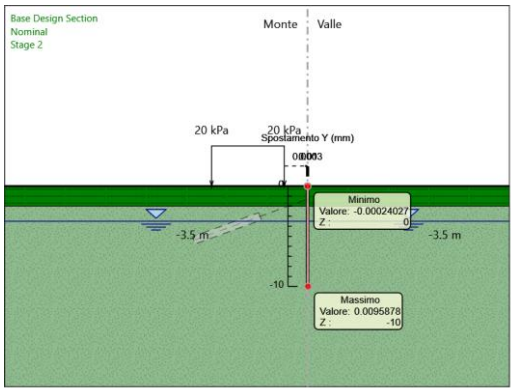
Tabella Spostamento Nominal - LEFT Stage: Stage 3-

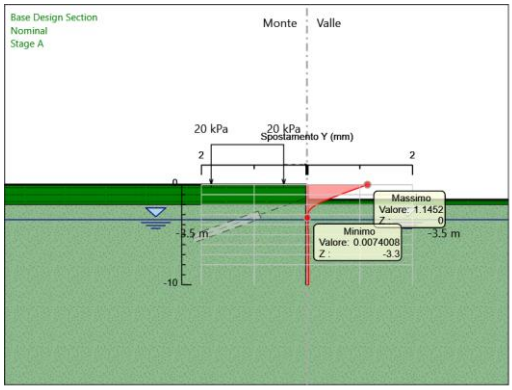
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-	0	-0.5
Stage 3-	-0.1	-0.5
Stage 3-	-0.2	-0.5
Stage 3-	-0.3	-0.5
Stage 3-	-0.4	-0.5
Stage 3-	-0.5	-0.5
Stage 3-	-0.6	-0.5
Stage 3-	-0.7	-0.5
Stage 3-	-0.8	-0.49
Stage 3-	-0.9	-0.49
Stage 3-	-1	-0.48
Stage 3-	-1.1	-0.46
Stage 3-	-1.2	-0.44
Stage 3-	-1.3	-0.42
Stage 3-	-1.4	-0.38
Stage 3-	-1.5	-0.33
Stage 3-	-1.6	-0.28
Stage 3-	-1.7	-0.23
Stage 3-	-1.8	-0.17
Stage 3-	-1.9	-0.11
Stage 3-	-2	-0.04
Stage 3-	-2.1	0.02
Stage 3-	-2.2	0.08
Stage 3-	-2.3	0.14
Stage 3-	-2.4	0.2
Stage 3-	-2.5	0.25
Stage 3-	-2.6	0.31
Stage 3-	-2.7	0.36
Stage 3-	-2.8	0.41
Stage 3-	-2.9	0.46
Stage 3-	-3	0.51
Stage 3-	-3.1	0.55
Stage 3-	-3.2	0.59
Stage 3-	-3.3	0.63
Stage 3-	-3.4	0.66
Stage 3-	-3.5	0.69
Stage 3-	-3.6	0.72
Stage 3-	-3.7	0.75
Stage 3-	-3.8	0.77
Stage 3-	-3.9	0.79
Stage 3-	-4	0.8
Stage 3-	-4.1	0.82
Stage 3-	-4.2	0.83
Stage 3-	-4.3	0.83
Stage 3-	-4.4	0.83
Stage 3-	-4.5	0.83
Stage 3-	-4.6	0.82
Stage 3-	-4.7	0.82
Stage 3-	-4.8	0.8
Stage 3-	-4.9	0.79
Stage 3-	-5	0.77
Stage 3-	-5.1	0.75
Stage 3-	-5.2	0.73
Stage 3-	-5.3	0.7
Stage 3-	-5.4	0.68
Stage 3-	-5.5	0.65
Stage 3-	-5.6	0.63
Stage 3-	-5.7	0.61
Stage 3-	-5.8	0.58
Stage 3-	-5.9	0.56
Stage 3-	-6	0.54

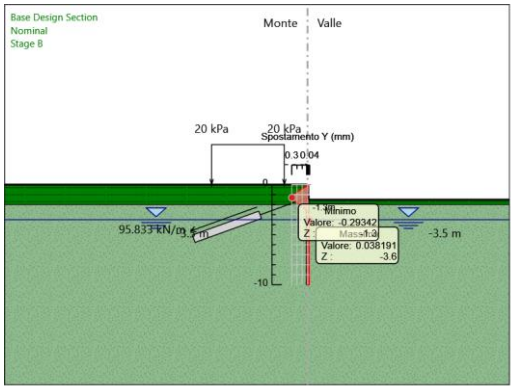
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-	-6.1	0.52
Stage 3-	-6.2	0.5
Stage 3-	-6.3	0.48
Stage 3-	-6.4	0.46
Stage 3-	-6.5	0.45
Stage 3-	-6.6	0.44
Stage 3-	-6.7	0.42
Stage 3-	-6.8	0.41
Stage 3-	-6.9	0.4
Stage 3-	-7	0.4
Stage 3-	-7.1	0.39
Stage 3-	-7.2	0.38
Stage 3-	-7.3	0.38
Stage 3-	-7.4	0.37
Stage 3-	-7.5	0.37
Stage 3-	-7.6	0.36
Stage 3-	-7.7	0.36
Stage 3-	-7.8	0.36
Stage 3-	-7.9	0.35
Stage 3-	-8	0.35
Stage 3-	-8.1	0.35
Stage 3-	-8.2	0.35
Stage 3-	-8.3	0.34
Stage 3-	-8.4	0.34
Stage 3-	-8.5	0.34
Stage 3-	-8.6	0.34
Stage 3-	-8.7	0.34
Stage 3-	-8.8	0.33
Stage 3-	-8.9	0.33
Stage 3-	-9	0.33
Stage 3-	-9.1	0.33
Stage 3-	-9.2	0.33
Stage 3-	-9.3	0.33
Stage 3-	-9.4	0.32
Stage 3-	-9.5	0.32
Stage 3-	-9.6	0.32
Stage 3-	-9.7	0.32
Stage 3-	-9.8	0.32
Stage 3-	-9.9	0.31
Stage 3-	-10	0.31

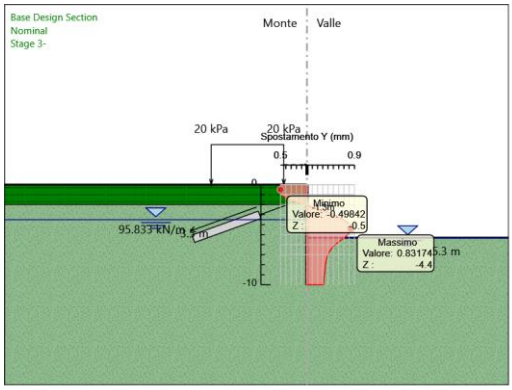
Grafici Spostamento in tabella











Inviluppi Spostamento Nominal

Risultati Paratia

Tabella Risultati Paratia Nominal - Stage: Stage 1

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.1	0	0
Stage 1	-0.2	0	0
Stage 1	-0.3	0	0
Stage 1	-0.4	0	0
Stage 1	-0.5	0	0
Stage 1	-0.6	0	0
Stage 1	-0.7	0	0
Stage 1	-0.8	0	0
Stage 1	-0.9	0	0
Stage 1	-1	0	0
Stage 1	-1.1	0	0
Stage 1	-1.2	0	0
Stage 1	-1.3	0	0
Stage 1	-1.4	0	0
Stage 1	-1.5	0	0
Stage 1	-1.6	0	0
Stage 1	-1.7	0	0
Stage 1	-1.8	0	0
Stage 1	-1.9	0	0
Stage 1	-2	0	0
Stage 1	-2.1	0	0
Stage 1	-2.2	0	0
Stage 1	-2.3	0	0
Stage 1	-2.4	0	0
Stage 1	-2.5	0	0
Stage 1	-2.6	0	0
Stage 1	-2.7	0	0
Stage 1	-2.8	0	0
Stage 1	-2.9	0	0
Stage 1	-3	0	0
Stage 1	-3.1	0	0
Stage 1	-3.2	0	0
Stage 1	-3.3	0	0
Stage 1	-3.4	0	0
Stage 1	-3.5	0	0
Stage 1	-3.6	0	0
Stage 1	-3.7	0	0
Stage 1	-3.8	0	0
Stage 1	-3.9	0	0
Stage 1	-4	0	0
Stage 1	-4.1	0	0
Stage 1	-4.2	0	0
Stage 1	-4.3	0	0
Stage 1	-4.4	0	0
Stage 1	-4.5	0	0
Stage 1	-4.6	0	0
Stage 1	-4.7	0	0
Stage 1	-4.8	0	0
Stage 1	-4.9	0	0
Stage 1	-5	0	0
Stage 1	-5.1	0	0
Stage 1	-5.2	0	0
Stage 1	-5.3	0	0

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-5.4	0	0
Stage 1	-5.5	0	0
Stage 1	-5.6	0	0
Stage 1	-5.7	0	0
Stage 1	-5.8	0	0
Stage 1	-5.9	0	0
Stage 1	-6	0	0
Stage 1	-6.1	0	0
Stage 1	-6.2	0	0
Stage 1	-6.3	0	0
Stage 1	-6.4	0	0
Stage 1	-6.5	0	0
Stage 1	-6.6	0	0
Stage 1	-6.7	0	0
Stage 1	-6.8	0	0
Stage 1	-6.9	0	0
Stage 1	-7	0	0
Stage 1	-7.1	0	0
Stage 1	-7.2	0	0
Stage 1	-7.3	0	0
Stage 1	-7.4	0	0
Stage 1	-7.5	0	0
Stage 1	-7.6	0	0
Stage 1	-7.7	0	0
Stage 1	-7.8	0	0
Stage 1	-7.9	0	0
Stage 1	-8	0	0
Stage 1	-8.1	0	0
Stage 1	-8.2	0	0
Stage 1	-8.3	0	0
Stage 1	-8.4	0	0
Stage 1	-8.5	0	0
Stage 1	-8.6	0	0
Stage 1	-8.7	0	0
Stage 1	-8.8	0	0
Stage 1	-8.9	0	0
Stage 1	-9	0	0
Stage 1	-9.1	0	0
Stage 1	-9.2	0	0
Stage 1	-9.3	0	0
Stage 1	-9.4	0	0
Stage 1	-9.5	0	0
Stage 1	-9.6	0	0
Stage 1	-9.7	0	0
Stage 1	-9.8	0	0
Stage 1	-9.9	0	0
Stage 1	-10	0	0

Tabella Risultati Paratia Nominal - Stage: Stage 2

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	0	0	0
Stage 2	-0.1	0	0
Stage 2	-0.1	0	0
Stage 2	-0.2	0	0
Stage 2	-0.3	0	0
Stage 2	-0.4	0	0
Stage 2	-0.5	0	0
Stage 2	-0.6	0	0.01
Stage 2	-0.7	0	0.01
Stage 2	-0.8	0	0.02
Stage 2	-0.9	0.01	0.02
Stage 2	-1	0.01	0.03
Stage 2	-1.1	0.01	0.03
Stage 2	-1.2	0.01	0.03
Stage 2	-1.3	0.02	0.03
Stage 2	-1.4	0.02	0.02
Stage 2	-1.5	0.02	0.01
Stage 2	-1.6	0.02	0
Stage 2	-1.7	0.02	-0.02
Stage 2	-1.8	0.01	-0.04
Stage 2	-1.9	0.01	-0.07
Stage 2	-2	0	-0.1
Stage 2	-2.1	-0.01	-0.08
Stage 2	-2.2	-0.02	-0.06
Stage 2	-2.3	-0.02	-0.04
Stage 2	-2.4	-0.03	-0.03
Stage 2	-2.5	-0.03	-0.02
Stage 2	-2.6	-0.03	-0.01
Stage 2	-2.7	-0.03	0
Stage 2	-2.8	-0.03	0.01
Stage 2	-2.9	-0.03	0.01
Stage 2	-3	-0.02	0.02
Stage 2	-3.1	-0.02	0.03
Stage 2	-3.2	-0.02	0.04
Stage 2	-3.3	-0.01	0.04
Stage 2	-3.4	-0.01	0.05
Stage 2	-3.5	0	0.04
Stage 2	-3.6	0	0.04
Stage 2	-3.7	0	0.03
Stage 2	-3.8	0.01	0.03
Stage 2	-3.9	0.01	0.02
Stage 2	-4	0.01	0.02
Stage 2	-4.1	0.01	0.01
Stage 2	-4.2	0.01	0.01
Stage 2	-4.3	0.01	0.01
Stage 2	-4.4	0.01	0.01
Stage 2	-4.5	0.01	0
Stage 2	-4.6	0.01	0
Stage 2	-4.7	0.01	0
Stage 2	-4.8	0.01	0
Stage 2	-4.9	0.01	0
Stage 2	-5	0.01	-0.01
Stage 2	-5.1	0.01	-0.01
Stage 2	-5.2	0.01	0
Stage 2	-5.3	0.01	-0.01
Stage 2	-5.4	0.01	0
Stage 2	-5.5	0.01	-0.01
Stage 2	-5.6	0.01	-0.01
Stage 2	-5.7	0.01	-0.01
Stage 2	-5.8	0.01	-0.01
Stage 2	-5.9	0.01	-0.01

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	-6	0.01	0
Stage 2	-6.1	0.01	0
Stage 2	-6.2	0	0
Stage 2	-6.3	0	0
Stage 2	-6.4	0	0
Stage 2	-6.5	0	0
Stage 2	-6.6	0	0
Stage 2	-6.7	0	0
Stage 2	-6.8	0	0
Stage 2	-6.9	0	0
Stage 2	-7	0	0
Stage 2	-7.1	0	0
Stage 2	-7.2	0	0
Stage 2	-7.3	0	0
Stage 2	-7.4	0	0
Stage 2	-7.5	0	0
Stage 2	-7.6	0	0
Stage 2	-7.7	0	0
Stage 2	-7.8	0	0
Stage 2	-7.9	0	0
Stage 2	-8	0	0
Stage 2	-8.1	0	0
Stage 2	-8.2	0	0
Stage 2	-8.3	0	0.01
Stage 2	-8.4	0	0.01
Stage 2	-8.5	0.01	0.01
Stage 2	-8.6	0.01	0.01
Stage 2	-8.7	0.01	0.01
Stage 2	-8.8	0.01	0.01
Stage 2	-8.9	0.01	0.01
Stage 2	-9	0.01	0.01
Stage 2	-9.1	0.01	0
Stage 2	-9.2	0.01	0
Stage 2	-9.3	0.01	0
Stage 2	-9.4	0.01	-0.01
Stage 2	-9.5	0.01	-0.01
Stage 2	-9.6	0.01	-0.02
Stage 2	-9.7	0	-0.02
Stage 2	-9.8	0	-0.02
Stage 2	-9.9	0	-0.01
Stage 2	-10	0	-0.01

Tabella Risultati Paratia Nominal - Stage: Stage A

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage A	0	0	0
Stage A	-0.1	0	0
Stage A	-0.1	0	0
Stage A	-0.2	-0.01	-0.06
Stage A	-0.3	-0.02	-0.18
Stage A	-0.4	-0.06	-0.37
Stage A	-0.5	-0.12	-0.61
Stage A	-0.6	-0.21	-0.91
Stage A	-0.7	-0.34	-1.28
Stage A	-0.8	-0.51	-1.71
Stage A	-0.9	-0.73	-2.2
Stage A	-1	-1.01	-2.76
Stage A	-1.1	-1.35	-3.37
Stage A	-1.2	-1.75	-4.05
Stage A	-1.3	-2.23	-4.8
Stage A	-1.4	-2.79	-5.6
Stage A	-1.5	-3.44	-6.48
Stage A	-1.6	-4.18	-7.41
Stage A	-1.7	-4.96	-7.82
Stage A	-1.8	-5.73	-7.71
Stage A	-1.9	-6.44	-7.11
Stage A	-2	-7.1	-6.58
Stage A	-2.1	-7.5	-4.02
Stage A	-2.2	-7.66	-1.54
Stage A	-2.3	-7.57	0.88
Stage A	-2.4	-7.24	3.27
Stage A	-2.5	-6.74	5.06
Stage A	-2.6	-6.11	6.22
Stage A	-2.7	-5.43	6.86
Stage A	-2.8	-4.72	7.1
Stage A	-2.9	-4.02	7.02
Stage A	-3	-3.35	6.71
Stage A	-3.1	-2.72	6.24
Stage A	-3.2	-2.16	5.66
Stage A	-3.3	-1.66	5.02
Stage A	-3.4	-1.22	4.37
Stage A	-3.5	-0.85	3.71
Stage A	-3.6	-0.54	3.09
Stage A	-3.7	-0.29	2.51
Stage A	-3.8	-0.09	1.98
Stage A	-3.9	0.06	1.52
Stage A	-4	0.17	1.12
Stage A	-4.1	0.25	0.77
Stage A	-4.2	0.3	0.49
Stage A	-4.3	0.33	0.26
Stage A	-4.4	0.34	0.08
Stage A	-4.5	0.33	-0.06
Stage A	-4.6	0.31	-0.16
Stage A	-4.7	0.29	-0.23
Stage A	-4.8	0.26	-0.28
Stage A	-4.9	0.23	-0.3
Stage A	-5	0.2	-0.31
Stage A	-5.1	0.17	-0.3
Stage A	-5.2	0.14	-0.28
Stage A	-5.3	0.12	-0.26
Stage A	-5.4	0.09	-0.24
Stage A	-5.5	0.07	-0.21
Stage A	-5.6	0.05	-0.18
Stage A	-5.7	0.04	-0.15
Stage A	-5.8	0.02	-0.13
Stage A	-5.9	0.01	-0.1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage A	-6	0.01	-0.08
Stage A	-6.1	0	-0.06
Stage A	-6.2	0	-0.04
Stage A	-6.3	-0.01	-0.03
Stage A	-6.4	-0.01	-0.02
Stage A	-6.5	-0.01	-0.01
Stage A	-6.6	-0.01	0
Stage A	-6.7	-0.01	0
Stage A	-6.8	-0.01	0.01
Stage A	-6.9	-0.01	0.01
Stage A	-7	-0.01	0.01
Stage A	-7.1	-0.01	0.01
Stage A	-7.2	-0.01	0.01
Stage A	-7.3	0	0.01
Stage A	-7.4	0	0.01
Stage A	-7.5	0	0.01
Stage A	-7.6	0	0.01
Stage A	-7.7	0	0.01
Stage A	-7.8	0	0.01
Stage A	-7.9	0	0.01
Stage A	-8	0	0.01
Stage A	-8.1	0	0.01
Stage A	-8.2	0	0.01
Stage A	-8.3	0	0.01
Stage A	-8.4	0	0.01
Stage A	-8.5	0.01	0.01
Stage A	-8.6	0.01	0.01
Stage A	-8.7	0.01	0.01
Stage A	-8.8	0.01	0.01
Stage A	-8.9	0.01	0.01
Stage A	-9	0.01	0.01
Stage A	-9.1	0.01	0
Stage A	-9.2	0.01	0
Stage A	-9.3	0.01	0
Stage A	-9.4	0.01	-0.01
Stage A	-9.5	0.01	-0.01
Stage A	-9.6	0.01	-0.02
Stage A	-9.7	0	-0.02
Stage A	-9.8	0	-0.02
Stage A	-9.9	0	-0.01
Stage A	-10	0	-0.01

Tabella Risultati Paratia Nominal - Stage: Stage B

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage B	0	0	0
Stage B	-0.1	0	0
Stage B	-0.1	0	0
Stage B	-0.2	-0.06	-0.59
Stage B	-0.3	-0.24	-1.77
Stage B	-0.4	-0.59	-3.54
Stage B	-0.5	-1.18	-5.9
Stage B	-0.6	-2.07	-8.86
Stage B	-0.7	-3.31	-12.41
Stage B	-0.8	-4.96	-16.57
Stage B	-0.9	-7.1	-21.33
Stage B	-1	-9.74	-26.4
Stage B	-1.1	-12.88	-31.4
Stage B	-1.2	-16.51	-36.33
Stage B	-1.3	-20.62	-41.14
Stage B	-1.4	-16.2	44.24
Stage B	-1.5	-12.22	39.75
Stage B	-1.6	-8.68	35.47
Stage B	-1.7	-5.53	31.48
Stage B	-1.8	-2.75	27.8
Stage B	-1.9	-0.31	24.42
Stage B	-2	1.83	21.35
Stage B	-2.1	3.36	15.33
Stage B	-2.2	4.38	10.22
Stage B	-2.3	4.97	5.92
Stage B	-2.4	5.26	2.83
Stage B	-2.5	5.3	0.46
Stage B	-2.6	5.16	-1.41
Stage B	-2.7	4.88	-2.84
Stage B	-2.8	4.49	-3.88
Stage B	-2.9	4.04	-4.55
Stage B	-3	3.55	-4.87
Stage B	-3.1	3.06	-4.94
Stage B	-3.2	2.57	-4.81
Stage B	-3.3	2.12	-4.53
Stage B	-3.4	1.71	-4.15
Stage B	-3.5	1.33	-3.73
Stage B	-3.6	1.01	-3.27
Stage B	-3.7	0.73	-2.81
Stage B	-3.8	0.49	-2.37
Stage B	-3.9	0.29	-1.94
Stage B	-4	0.14	-1.56
Stage B	-4.1	0.02	-1.22
Stage B	-4.2	-0.07	-0.91
Stage B	-4.3	-0.14	-0.65
Stage B	-4.4	-0.18	-0.43
Stage B	-4.5	-0.21	-0.26
Stage B	-4.6	-0.22	-0.12
Stage B	-4.7	-0.22	0
Stage B	-4.8	-0.21	0.08
Stage B	-4.9	-0.2	0.14
Stage B	-5	-0.18	0.18
Stage B	-5.1	-0.16	0.2
Stage B	-5.2	-0.14	0.21
Stage B	-5.3	-0.12	0.21
Stage B	-5.4	-0.1	0.2
Stage B	-5.5	-0.08	0.19
Stage B	-5.6	-0.06	0.17
Stage B	-5.7	-0.05	0.15
Stage B	-5.8	-0.03	0.13
Stage B	-5.9	-0.02	0.11

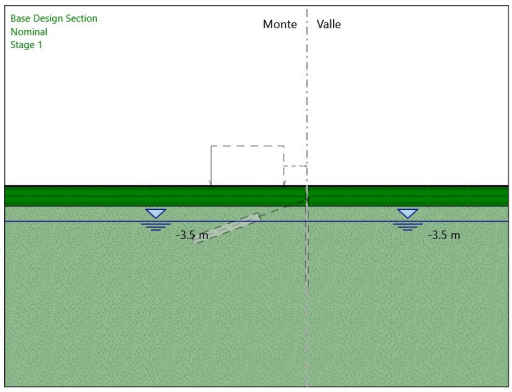
Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage B	-6	-0.01	0.1
Stage B	-6.1	-0.01	0.08
Stage B	-6.2	0	0.06
Stage B	-6.3	0	0.05
Stage B	-6.4	0.01	0.03
Stage B	-6.5	0.01	0.03
Stage B	-6.6	0.01	0.02
Stage B	-6.7	0.01	0.01
Stage B	-6.8	0.01	0
Stage B	-6.9	0.01	0
Stage B	-7	0.01	0
Stage B	-7.1	0.01	-0.01
Stage B	-7.2	0.01	-0.01
Stage B	-7.3	0.01	-0.01
Stage B	-7.4	0.01	-0.01
Stage B	-7.5	0.01	-0.01
Stage B	-7.6	0.01	-0.01
Stage B	-7.7	0.01	-0.01
Stage B	-7.8	0	-0.01
Stage B	-7.9	0	0
Stage B	-8	0	0
Stage B	-8.1	0	0
Stage B	-8.2	0	0
Stage B	-8.3	0	0
Stage B	-8.4	0	0
Stage B	-8.5	0	0.01
Stage B	-8.6	0.01	0.01
Stage B	-8.7	0.01	0.01
Stage B	-8.8	0.01	0.01
Stage B	-8.9	0.01	0.01
Stage B	-9	0.01	0.01
Stage B	-9.1	0.01	0
Stage B	-9.2	0.01	0
Stage B	-9.3	0.01	0
Stage B	-9.4	0.01	-0.01
Stage B	-9.5	0.01	-0.01
Stage B	-9.6	0.01	-0.02
Stage B	-9.7	0	-0.02
Stage B	-9.8	0	-0.02
Stage B	-9.9	0	-0.01
Stage B	-10	0	-0.01

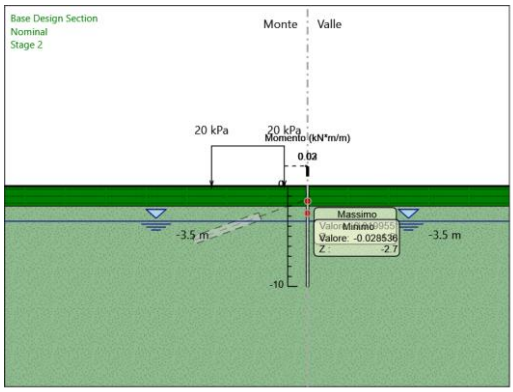
Tabella Risultati Paratia Nominal - Stage: Stage 3-

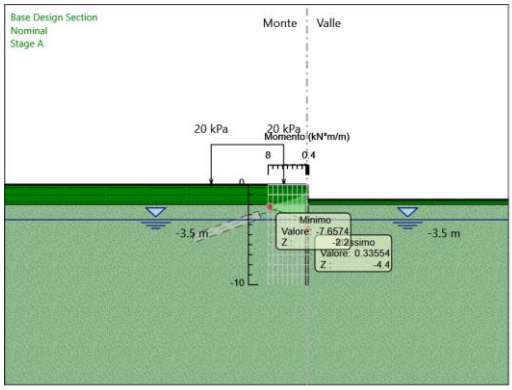
Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-	0	0	0
Stage 3-	-0.1	0	0
Stage 3-	-0.1	0	0
Stage 3-	-0.2	-0.06	-0.59
Stage 3-	-0.3	-0.24	-1.77
Stage 3-	-0.4	-0.59	-3.54
Stage 3-	-0.5	-1.18	-5.9
Stage 3-	-0.6	-2.07	-8.86
Stage 3-	-0.7	-3.31	-12.41
Stage 3-	-0.8	-4.96	-16.57
Stage 3-	-0.9	-7.1	-21.33
Stage 3-	-1	-9.77	-26.69
Stage 3-	-1.1	-12.97	-32.01
Stage 3-	-1.2	-16.69	-37.21
Stage 3-	-1.3	-20.91	-42.24
Stage 3-	-1.4	-16.65	42.65
Stage 3-	-1.5	-12.85	38.02
Stage 3-	-1.6	-9.48	33.66
Stage 3-	-1.7	-6.52	29.57
Stage 3-	-1.8	-3.94	25.78
Stage 3-	-1.9	-1.71	22.31
Stage 3-	-2	0.2	19.15
Stage 3-	-2.1	1.6	13.95
Stage 3-	-2.2	2.59	9.92
Stage 3-	-2.3	3.29	6.98
Stage 3-	-2.4	3.79	5.03
Stage 3-	-2.5	4.16	3.66
Stage 3-	-2.6	4.43	2.75
Stage 3-	-2.7	4.66	2.26
Stage 3-	-2.8	4.88	2.18
Stage 3-	-2.9	5.09	2.18
Stage 3-	-3	5.31	2.18
Stage 3-	-3.1	5.53	2.18
Stage 3-	-3.2	5.75	2.18
Stage 3-	-3.3	5.96	2.18
Stage 3-	-3.4	6.18	2.18
Stage 3-	-3.5	6.4	2.18
Stage 3-	-3.6	6.62	2.18
Stage 3-	-3.7	6.83	2.1
Stage 3-	-3.8	7.02	1.93
Stage 3-	-3.9	7.19	1.68
Stage 3-	-4	7.32	1.34
Stage 3-	-4.1	7.41	0.92
Stage 3-	-4.2	7.46	0.42
Stage 3-	-4.3	7.44	-0.17
Stage 3-	-4.4	7.35	-0.84
Stage 3-	-4.5	7.19	-1.6
Stage 3-	-4.6	6.95	-2.44
Stage 3-	-4.7	6.62	-3.36
Stage 3-	-4.8	6.18	-4.37
Stage 3-	-4.9	5.63	-5.46
Stage 3-	-5	4.97	-6.63
Stage 3-	-5.1	4.18	-7.89
Stage 3-	-5.2	3.26	-9.23
Stage 3-	-5.3	2.19	-10.66
Stage 3-	-5.4	0.97	-12.17
Stage 3-	-5.5	-0.07	-10.44
Stage 3-	-5.6	-0.93	-8.58
Stage 3-	-5.7	-1.62	-6.86
Stage 3-	-5.8	-2.15	-5.31
Stage 3-	-5.9	-2.54	-3.93

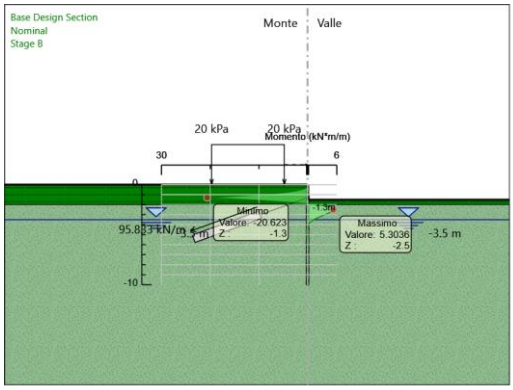
Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-	-6	-2.81	-2.72
Stage 3-	-6.1	-2.98	-1.68
Stage 3-	-6.2	-3.06	-0.8
Stage 3-	-6.3	-3.07	-0.06
Stage 3-	-6.4	-3.01	0.54
Stage 3-	-6.5	-2.91	1.02
Stage 3-	-6.6	-2.77	1.38
Stage 3-	-6.7	-2.61	1.66
Stage 3-	-6.8	-2.42	1.84
Stage 3-	-6.9	-2.23	1.96
Stage 3-	-7	-2.03	2.01
Stage 3-	-7.1	-1.82	2.02
Stage 3-	-7.2	-1.63	1.98
Stage 3-	-7.3	-1.43	1.91
Stage 3-	-7.4	-1.25	1.81
Stage 3-	-7.5	-1.08	1.7
Stage 3-	-7.6	-0.93	1.58
Stage 3-	-7.7	-0.78	1.44
Stage 3-	-7.8	-0.65	1.31
Stage 3-	-7.9	-0.53	1.17
Stage 3-	-8	-0.43	1.04
Stage 3-	-8.1	-0.34	0.91
Stage 3-	-8.2	-0.26	0.78
Stage 3-	-8.3	-0.19	0.67
Stage 3-	-8.4	-0.14	0.56
Stage 3-	-8.5	-0.09	0.46
Stage 3-	-8.6	-0.05	0.37
Stage 3-	-8.7	-0.03	0.29
Stage 3-	-8.8	0	0.22
Stage 3-	-8.9	0.01	0.16
Stage 3-	-9	0.02	0.11
Stage 3-	-9.1	0.03	0.06
Stage 3-	-9.2	0.03	0.02
Stage 3-	-9.3	0.03	-0.01
Stage 3-	-9.4	0.03	-0.03
Stage 3-	-9.5	0.02	-0.05
Stage 3-	-9.6	0.02	-0.06
Stage 3-	-9.7	0.01	-0.06
Stage 3-	-9.8	0.01	-0.06
Stage 3-	-9.9	0	-0.04
Stage 3-	-10	0	-0.02

Grafico Momento Nominal









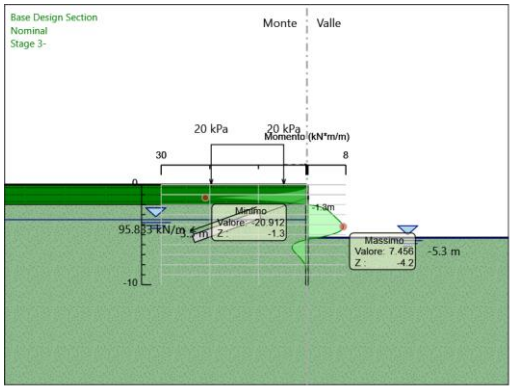
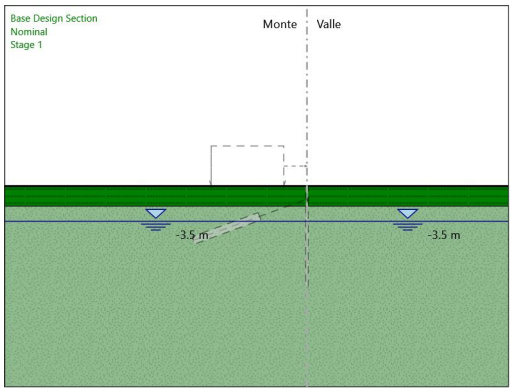
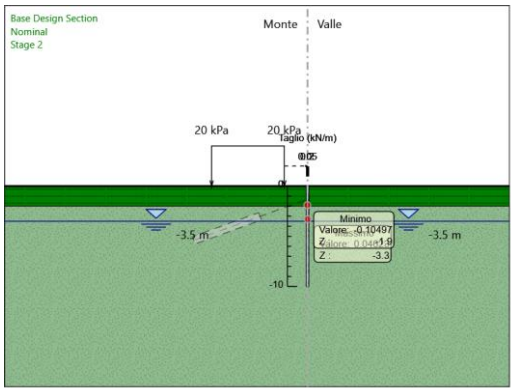
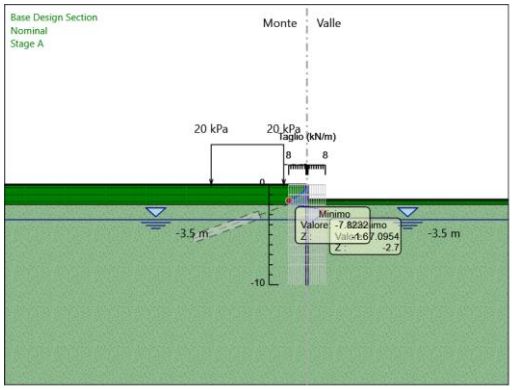
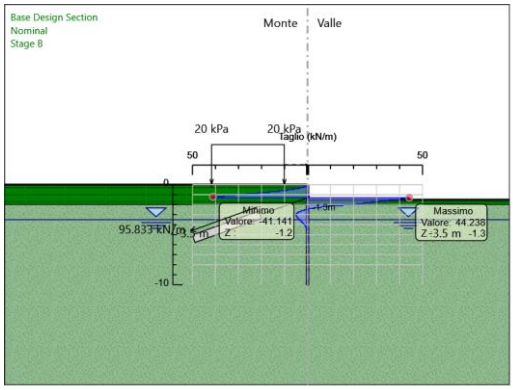


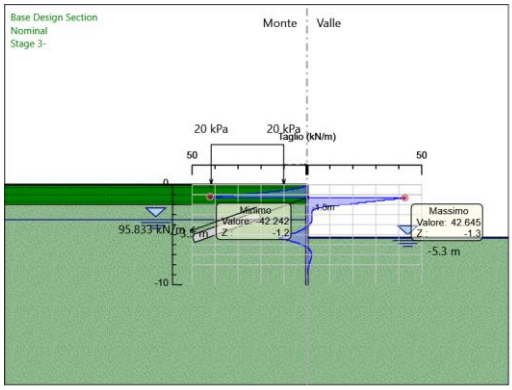
Grafico Taglio Nominal











Inviluppi Risultati Paratia Nominal

Risultati Elementi strutturali

Design Assumption: Nominal	Sollecitazione Tieback_New_New_New_New
Stage	**Forza (kN/m)**
Stage B	95.83
Stage 3-	95.49567

Risultati Terreno

Tabella Risultati Terreno Left Wall - Nominal - Stage 1

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)
Stage 1	0	0	0	V-C	0.32	3.1	0	0	0	0	0
Stage 1	-0.1	1.9	0.95	V-C	0.32	3.1	0	0	0	0	0.95
Stage 1	-0.2	3.8	1.9	V-C	0.32	3.1	0	0	0	0	1.9
Stage 1	-0.3	5.7	2.85	V-C	0.32	3.1	0	0	0	0	2.85
Stage 1	-0.4	7.6	3.8	V-C	0.32	3.1	0	0	0	0	3.8
Stage 1	-0.5	9.5	4.75	V-C	0.32	3.1	0	0	0	0	4.75
Stage 1	-0.6	11.4	5.7	V-C	0.32	3.1	0	0	0	0	5.7
Stage 1	-0.7	13.3	6.65	V-C	0.32	3.1	0	0	0	0	6.65
Stage 1	-0.8	15.2	7.6	V-C	0.32	3.1	0	0	0	0	7.6
Stage 1	-0.9	17.1	8.55	V-C	0.32	3.1	0	0	0	0	8.55
Stage 1	-1	19	9.5	V-C	0.32	3.1	0	0	0	0	9.5
Stage 1	-1.1	20.9	10.45	V-C	0.32	3.1	0	0	0	0	10.45
Stage 1	-1.2	22.8	11.4	V-C	0.32	3.1	0	0	0	0	11.4
Stage 1	-1.3	24.7	12.35	V-C	0.32	3.1	0	0	0	0	12.35
Stage 1	-1.4	26.6	13.3	V-C	0.32	3.1	0	0	0	0	13.3
Stage 1	-1.5	28.5	14.25	V-C	0.32	3.1	0	0	0	0	14.25
Stage 1	-1.6	30.4	15.2	V-C	0.32	3.1	0	0	0	0	15.2
Stage 1	-1.7	32.3	16.15	V-C	0.32	3.1	0	0	0	0	16.15
Stage 1	-1.8	34.2	17.1	V-C	0.32	3.1	0	0	0	0	17.1
Stage 1	-1.9	36.1	18.05	V-C	0.32	3.1	0	0	0	0	18.05
Stage 1	-2	38	19	V-C	0.217	4.599	40	0	0	0	19
Stage 1	-2.1	40.45	20.225	V-C	0.217	4.599	40	0	0	0	20.225
Stage 1	-2.2	42.9	21.45	V-C	0.217	4.599	40	0	0	0	21.45
Stage 1	-2.3	45.35	22.675	V-C	0.217	4.599	40	0	0	0	22.675
Stage 1	-2.4	47.8	23.9	V-C	0.217	4.599	40	0	0	0	23.9
Stage 1	-2.5	50.25	25.125	V-C	0.217	4.599	40	0	0	0	25.125
Stage 1	-2.6	52.7	26.35	V-C	0.217	4.599	40	0	0	0	26.35
Stage 1	-2.7	55.15	27.575	V-C	0.217	4.599	40	0	0	0	27.575
Stage 1	-2.8	57.6	28.8	V-C	0.217	4.599	40	0	0	0	28.8
Stage 1	-2.9	60.05	30.025	V-C	0.217	4.599	40	0	0	0	30.025
Stage 1	-3	62.5	31.25	V-C	0.217	4.599	40	0	0	0	31.25
Stage 1	-3.1	64.95	32.475	V-C	0.217	4.599	40	0	0	0	32.475
Stage 1	-3.2	67.4	33.7	V-C	0.217	4.599	40	0	0	0	33.7
Stage 1	-3.3	69.85	34.925	V-C	0.217	4.599	40	0	0	0	34.925
Stage 1	-3.4	72.3	36.15	V-C	0.217	4.599	40	0	0	0	36.15
Stage 1	-3.5	74.75	37.375	V-C	0.217	4.599	40	0	0	0	37.375
Stage 1	-3.6	76.2	38.1	V-C	0.217	4.599	40	1	0	0	39.1
Stage 1	-3.7	77.65	38.825	V-C	0.217	4.599	40	2	0	0	40.825
Stage 1	-3.8	79.1	39.55	V-C	0.217	4.599	40	3	0	0	42.55
Stage 1	-3.9	80.55	40.275	V-C	0.217	4.599	40	4	0	0	44.275
Stage 1	-4	82	41	V-C	0.217	4.599	40	5	0	0	46
Stage 1	-4.1	83.45	41.725	V-C	0.217	4.599	40	6	0	0	47.725
Stage 1	-4.2	84.9	42.45	V-C	0.217	4.599	40	7	0	0	49.45
Stage 1	-4.3	86.35	43.175	V-C	0.217	4.599	40	8	0	0	51.175
Stage 1	-4.4	87.8	43.9	V-C	0.217	4.599	40	9	0	0	52.9
Stage 1	-4.5	89.25	44.625	V-C	0.217	4.599	40	10	0	0	54.625
Stage 1	-4.6	90.7	45.35	V-C	0.217	4.599	40	11	0	0	56.35
Stage 1	-4.7	92.15	46.075	V-C	0.217	4.599	40	12	0	0	58.075
Stage 1	-4.8	93.6	46.8	V-C	0.217	4.599	40	13	0	0	59.8
Stage 1	-4.9	95.05	47.525	V-C	0.217	4.599	40	14	0	0	61.525
Stage 1	-5	96.5	48.25	V-C	0.217	4.599	40	15	0	0	63.25
Stage 1	-5.1	97.95	48.975	V-C	0.217	4.599	40	16	0	0	64.975
Stage 1	-5.2	99.4	49.7	V-C	0.217	4.599	40	17	0	0	66.7
Stage 1	-5.3	100.85	50.425	V-C	0.217	4.599	40	18	0	0	68.425
Stage 1	-5.4	102.3	51.15	V-C	0.217	4.599	40	19	0	0	70.15
Stage 1	-5.5	103.75	51.875	V-C	0.217	4.599	40	20	0	0	71.875
Stage 1	-5.6	105.2	52.6	V-C	0.217	4.599	40	21	0	0	73.6
Stage 1	-5.7	106.65	53.325	V-C	0.217	4.599	40	22	0	0	75.325

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)
Stage 1	-5.8	108.1	54.05	V-C	0.217	4.599	40	23	0	0	77.05
Stage 1	-5.9	109.55	54.775	V-C	0.217	4.599	40	24	0	0	78.775
Stage 1	-6	111	55.5	V-C	0.217	4.599	40	25	0	0	80.5
Stage 1	-6.1	112.45	56.225	V-C	0.217	4.599	40	26	0	0	82.225
Stage 1	-6.2	113.9	56.95	V-C	0.217	4.599	40	27	0	0	83.95
Stage 1	-6.3	115.35	57.675	V-C	0.217	4.599	40	28	0	0	85.675
Stage 1	-6.4	116.8	58.4	V-C	0.217	4.599	40	29	0	0	87.4
Stage 1	-6.5	118.25	59.125	V-C	0.217	4.599	40	30	0	0	89.125
Stage 1	-6.6	119.7	59.85	V-C	0.217	4.599	40	31	0	0	90.85
Stage 1	-6.7	121.15	60.575	V-C	0.217	4.599	40	32	0	0	92.575
Stage 1	-6.8	122.6	61.3	V-C	0.217	4.599	40	33	0	0	94.3
Stage 1	-6.9	124.05	62.025	V-C	0.217	4.599	40	34	0	0	96.025
Stage 1	-7	125.5	62.75	V-C	0.217	4.599	40	35	0	0	97.75
Stage 1	-7.1	126.95	63.475	V-C	0.217	4.599	40	36	0	0	99.475
Stage 1	-7.2	128.4	64.2	V-C	0.217	4.599	40	37	0	0	101.2
Stage 1	-7.3	129.85	64.925	V-C	0.217	4.599	40	38	0	0	102.925
Stage 1	-7.4	131.3	65.65	V-C	0.217	4.599	40	39	0	0	104.65
Stage 1	-7.5	132.75	66.375	V-C	0.217	4.599	40	40	0	0	106.375
Stage 1	-7.6	134.2	67.1	V-C	0.217	4.599	40	41	0	0	108.1
Stage 1	-7.7	135.65	67.825	V-C	0.217	4.599	40	42	0	0	109.825
Stage 1	-7.8	137.1	68.55	V-C	0.217	4.599	40	43	0	0	111.55
Stage 1	-7.9	138.55	69.275	V-C	0.217	4.599	40	44	0	0	113.275
Stage 1	-8	140	70	V-C	0.217	4.599	40	45	0	0	115
Stage 1	-8.1	141.45	70.725	V-C	0.217	4.599	40	46	0	0	116.725
Stage 1	-8.2	142.9	71.45	V-C	0.217	4.599	40	47	0	0	118.45
Stage 1	-8.3	144.35	72.175	V-C	0.217	4.599	40	48	0	0	120.175
Stage 1	-8.4	145.8	72.9	V-C	0.217	4.599	40	49	0	0	121.9
Stage 1	-8.5	147.25	73.625	V-C	0.217	4.599	40	50	0	0	123.625
Stage 1	-8.6	148.7	74.35	V-C	0.217	4.599	40	51	0	0	125.35
Stage 1	-8.7	150.15	75.075	V-C	0.217	4.599	40	52	0	0	127.075
Stage 1	-8.8	151.6	75.8	V-C	0.217	4.599	40	53	0	0	128.8
Stage 1	-8.9	153.05	76.525	V-C	0.217	4.599	40	54	0	0	130.525
Stage 1	-9	154.5	77.25	V-C	0.217	4.599	40	55	0	0	132.25
Stage 1	-9.1	155.95	77.975	V-C	0.217	4.599	40	56	0	0	133.975
Stage 1	-9.2	157.4	78.7	V-C	0.217	4.599	40	57	0	0	135.7
Stage 1	-9.3	158.85	79.425	V-C	0.217	4.599	40	58	0	0	137.425
Stage 1	-9.4	160.3	80.15	V-C	0.217	4.599	40	59	0	0	139.15
Stage 1	-9.5	161.75	80.875	V-C	0.217	4.599	40	60	0	0	140.875
Stage 1	-9.6	163.2	81.6	V-C	0.217	4.599	40	61	0	0	142.6
Stage 1	-9.7	164.65	82.325	V-C	0.217	4.599	40	62	0	0	144.325
Stage 1	-9.8	166.1	83.05	V-C	0.217	4.599	40	63	0	0	146.05
Stage 1	-9.9	167.55	83.775	V-C	0.217	4.599	40	64	0	0	147.775
Stage 1	-10	169	84.5	V-C	0.217	4.599	40	65	0	0	149.5

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)
Stage 1	0	0	0	V-C	0.32	3.1	0	0	0	0	0
Stage 1	-0.1	1.9	0.95	V-C	0.32	3.1	0	0	0	0	0.95
Stage 1	-0.2	3.8	1.9	V-C	0.32	3.1	0	0	0	0	1.9
Stage 1	-0.3	5.7	2.85	V-C	0.32	3.1	0	0	0	0	2.85
Stage 1	-0.4	7.6	3.8	V-C	0.32	3.1	0	0	0	0	3.8
Stage 1	-0.5	9.5	4.75	V-C	0.32	3.1	0	0	0	0	4.75
Stage 1	-0.6	11.4	5.7	V-C	0.32	3.1	0	0	0	0	5.7
Stage 1	-0.7	13.3	6.65	V-C	0.32	3.1	0	0	0	0	6.65
Stage 1	-0.8	15.2	7.6	V-C	0.32	3.1	0	0	0	0	7.6
Stage 1	-0.9	17.1	8.55	V-C	0.32	3.1	0	0	0	0	8.55
Stage 1	-1	19	9.5	V-C	0.32	3.1	0	0	0	0	9.5
Stage 1	-1.1	20.9	10.45	V-C	0.32	3.1	0	0	0	0	10.45
Stage 1	-1.2	22.8	11.4	V-C	0.32	3.1	0	0	0	0	11.4
Stage 1	-1.3	24.7	12.35	V-C	0.32	3.1	0	0	0	0	12.35
Stage 1	-1.4	26.6	13.3	V-C	0.32	3.1	0	0	0	0	13.3
Stage 1	-1.5	28.5	14.25	V-C	0.32	3.1	0	0	0	0	14.25
Stage 1	-1.6	30.4	15.2	V-C	0.32	3.1	0	0	0	0	15.2
Stage 1	-1.7	32.3	16.15	V-C	0.32	3.1	0	0	0	0	16.15
Stage 1	-1.8	34.2	17.1	V-C	0.32	3.1	0	0	0	0	17.1
Stage 1	-1.9	36.1	18.05	V-C	0.32	3.1	0	0	0	0	18.05
Stage 1	-2	38	19	V-C	0.217	4.599	40	0	0	0	19
Stage 1	-2.1	40.45	20.225	V-C	0.217	4.599	40	0	0	0	20.225
Stage 1	-2.2	42.9	21.45	V-C	0.217	4.599	40	0	0	0	21.45
Stage 1	-2.3	45.35	22.675	V-C	0.217	4.599	40	0	0	0	22.675
Stage 1	-2.4	47.8	23.9	V-C	0.217	4.599	40	0	0	0	23.9
Stage 1	-2.5	50.25	25.125	V-C	0.217	4.599	40	0	0	0	25.125
Stage 1	-2.6	52.7	26.35	V-C	0.217	4.599	40	0	0	0	26.35
Stage 1	-2.7	55.15	27.575	V-C	0.217	4.599	40	0	0	0	27.575
Stage 1	-2.8	57.6	28.8	V-C	0.217	4.599	40	0	0	0	28.8
Stage 1	-2.9	60.05	30.025	V-C	0.217	4.599	40	0	0	0	30.025
Stage 1	-3	62.5	31.25	V-C	0.217	4.599	40	0	0	0	31.25
Stage 1	-3.1	64.95	32.475	V-C	0.217	4.599	40	0	0	0	32.475
Stage 1	-3.2	67.4	33.7	V-C	0.217	4.599	40	0	0	0	33.7
Stage 1	-3.3	69.85	34.925	V-C	0.217	4.599	40	0	0	0	34.925
Stage 1	-3.4	72.3	36.15	V-C	0.217	4.599	40	0	0	0	36.15
Stage 1	-3.5	74.75	37.375	V-C	0.217	4.599	40	0	0	0	37.375
Stage 1	-3.6	76.2	38.1	V-C	0.217	4.599	40	1	0	0	39.1
Stage 1	-3.7	77.65	38.825	V-C	0.217	4.599	40	2	0	0	40.825
Stage 1	-3.8	79.1	39.55	V-C	0.217	4.599	40	3	0	0	42.55
Stage 1	-3.9	80.55	40.275	V-C	0.217	4.599	40	4	0	0	44.275
Stage 1	-4	82	41	V-C	0.217	4.599	40	5	0	0	46
Stage 1	-4.1	83.45	41.725	V-C	0.217	4.599	40	6	0	0	47.725
Stage 1	-4.2	84.9	42.45	V-C	0.217	4.599	40	7	0	0	49.45
Stage 1	-4.3	86.35	43.175	V-C	0.217	4.599	40	8	0	0	51.175
Stage 1	-4.4	87.8	43.9	V-C	0.217	4.599	40	9	0	0	52.9
Stage 1	-4.5	89.25	44.625	V-C	0.217	4.599	40	10	0	0	54.625
Stage 1	-4.6	90.7	45.35	V-C	0.217	4.599	40	11	0	0	56.35
Stage 1	-4.7	92.15	46.075	V-C	0.217	4.599	40	12	0	0	58.075
Stage 1	-4.8	93.6	46.8	V-C	0.217	4.599	40	13	0	0	59.8
Stage 1	-4.9	95.05	47.525	V-C	0.217	4.599	40	14	0	0	61.525
Stage 1	-5	96.5	48.25	V-C	0.217	4.599	40	15	0	0	63.25
Stage 1	-5.1	97.95	48.975	V-C	0.217	4.599	40	16	0	0	64.975
Stage 1	-5.2	99.4	49.7	V-C	0.217	4.599	40	17	0	0	66.7
Stage 1	-5.3	100.85	50.425	V-C	0.217	4.599	40	18	0	0	68.425
Stage 1	-5.4	102.3	51.15	V-C	0.217	4.599	40	19	0	0	70.15
Stage 1	-5.5	103.75	51.875	V-C	0.217	4.599	40	20	0	0	71.875
Stage 1	-5.6	105.2	52.6	V-C	0.217	4.599	40	21	0	0	73.6
Stage 1	-5.7	106.65	53.325	V-C	0.217	4.599	40	22	0	0	75.325
Stage 1	-5.8	108.1	54.05	V-C	0.217	4.599	40	23	0	0	77.05
Stage 1	-5.9	109.55	54.775	V-C	0.217	4.599	40	24	0	0	78.775
Stage 1	-6	111	55.5	V-C	0.217	4.599	40	25	0	0	80.5
Stage 1	-6.1	112.45	56.225	V-C	0.217	4.599	40	26	0	0	82.225
Stage 1	-6.2	113.9	56.95	V-C	0.217	4.599	40	27	0	0	83.95

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)
Stage 1	-6.3	115.35	57.675	V-C	0.217	4.599	40	28	0	0	85.675
Stage 1	-6.4	116.8	58.4	V-C	0.217	4.599	40	29	0	0	87.4
Stage 1	-6.5	118.25	59.125	V-C	0.217	4.599	40	30	0	0	89.125
Stage 1	-6.6	119.7	59.85	V-C	0.217	4.599	40	31	0	0	90.85
Stage 1	-6.7	121.15	60.575	V-C	0.217	4.599	40	32	0	0	92.575
Stage 1	-6.8	122.6	61.3	V-C	0.217	4.599	40	33	0	0	94.3
Stage 1	-6.9	124.05	62.025	V-C	0.217	4.599	40	34	0	0	96.025
Stage 1	-7	125.5	62.75	V-C	0.217	4.599	40	35	0	0	97.75
Stage 1	-7.1	126.95	63.475	V-C	0.217	4.599	40	36	0	0	99.475
Stage 1	-7.2	128.4	64.2	V-C	0.217	4.599	40	37	0	0	101.2
Stage 1	-7.3	129.85	64.925	V-C	0.217	4.599	40	38	0	0	102.925
Stage 1	-7.4	131.3	65.65	V-C	0.217	4.599	40	39	0	0	104.65
Stage 1	-7.5	132.75	66.375	V-C	0.217	4.599	40	40	0	0	106.375
Stage 1	-7.6	134.2	67.1	V-C	0.217	4.599	40	41	0	0	108.1
Stage 1	-7.7	135.65	67.825	V-C	0.217	4.599	40	42	0	0	109.825
Stage 1	-7.8	137.1	68.55	V-C	0.217	4.599	40	43	0	0	111.55
Stage 1	-7.9	138.55	69.275	V-C	0.217	4.599	40	44	0	0	113.275
Stage 1	-8	140	70	V-C	0.217	4.599	40	45	0	0	115
Stage 1	-8.1	141.45	70.725	V-C	0.217	4.599	40	46	0	0	116.725
Stage 1	-8.2	142.9	71.45	V-C	0.217	4.599	40	47	0	0	118.45
Stage 1	-8.3	144.35	72.175	V-C	0.217	4.599	40	48	0	0	120.175
Stage 1	-8.4	145.8	72.9	V-C	0.217	4.599	40	49	0	0	121.9
Stage 1	-8.5	147.25	73.625	V-C	0.217	4.599	40	50	0	0	123.625
Stage 1	-8.6	148.7	74.35	V-C	0.217	4.599	40	51	0	0	125.35
Stage 1	-8.7	150.15	75.075	V-C	0.217	4.599	40	52	0	0	127.075
Stage 1	-8.8	151.6	75.8	V-C	0.217	4.599	40	53	0	0	128.8
Stage 1	-8.9	153.05	76.525	V-C	0.217	4.599	40	54	0	0	130.525
Stage 1	-9	154.5	77.25	V-C	0.217	4.599	40	55	0	0	132.25
Stage 1	-9.1	155.95	77.975	V-C	0.217	4.599	40	56	0	0	133.975
Stage 1	-9.2	157.4	78.7	V-C	0.217	4.599	40	57	0	0	135.7
Stage 1	-9.3	158.85	79.425	V-C	0.217	4.599	40	58	0	0	137.425
Stage 1	-9.4	160.3	80.15	V-C	0.217	4.599	40	59	0	0	139.15
Stage 1	-9.5	161.75	80.875	V-C	0.217	4.599	40	60	0	0	140.875
Stage 1	-9.6	163.2	81.6	V-C	0.217	4.599	40	61	0	0	142.6
Stage 1	-9.7	164.65	82.325	V-C	0.217	4.599	40	62	0	0	144.325
Stage 1	-9.8	166.1	83.05	V-C	0.217	4.599	40	63	0	0	146.05
Stage 1	-9.9	167.55	83.775	V-C	0.217	4.599	40	64	0	0	147.775
Stage 1	-10	169	84.5	V-C	0.217	4.599	40	65	0	0	149.5

Tabella Risultati Terreno Left Wall - Nominal - Stage 2

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)
Stage 2	0	0	0	ACTIVE	0.32	3.1	0	0	0	0	0
Stage 2	-0.1	1.9	0.958	UL-RL	0.32	3.1	0	0	0	0	0.958
Stage 2	-0.2	3.803	1.899	UL-RL	0.32	3.1	0	0	0	0	1.899
Stage 2	-0.3	5.709	2.838	UL-RL	0.32	3.1	0	0	0	0	2.838
Stage 2	-0.4	7.621	3.779	UL-RL	0.32	3.1	0	0	0	0	3.779
Stage 2	-0.5	9.541	4.724	UL-RL	0.32	3.1	0	0	0	0	4.724
Stage 2	-0.6	11.469	5.673	UL-RL	0.32	3.1	0	0	0	0	5.673
Stage 2	-0.7	13.406	6.626	UL-RL	0.32	3.1	0	0	0	0	6.626
Stage 2	-0.8	15.353	7.585	UL-RL	0.32	3.1	0	0	0	0	7.585
Stage 2	-0.9	17.311	8.55	UL-RL	0.32	3.1	0	0	0	0	8.55
Stage 2	-1	19.278	9.519	UL-RL	0.32	3.1	0	0	0	0	9.519
Stage 2	-1.1	21.256	10.494	UL-RL	0.32	3.1	0	0	0	0	10.494
Stage 2	-1.2	23.242	11.475	UL-RL	0.32	3.1	0	0	0	0	11.475
Stage 2	-1.3	25.237	12.46	UL-RL	0.32	3.1	0	0	0	0	12.46
Stage 2	-1.4	27.24	13.45	UL-RL	0.32	3.1	0	0	0	0	13.45
Stage 2	-1.5	29.25	14.445	UL-RL	0.32	3.1	0	0	0	0	14.445
Stage 2	-1.6	31.265	15.443	UL-RL	0.32	3.1	0	0	0	0	15.443
Stage 2	-1.7	33.286	16.445	UL-RL	0.32	3.1	0	0	0	0	16.445
Stage 2	-1.8	35.31	17.45	UL-RL	0.32	3.1	0	0	0	0	17.45
Stage 2	-1.9	37.337	18.457	UL-RL	0.32	3.1	0	0	0	0	18.457
Stage 2	-2	39.367	18.955	UL-RL	0.217	4.599	40	0	0	0	18.955
Stage 2	-2.1	41.948	20.224	UL-RL	0.217	4.599	40	0	0	0	20.224
Stage 2	-2.2	44.529	21.491	UL-RL	0.217	4.599	40	0	0	0	21.491
Stage 2	-2.3	47.111	22.755	UL-RL	0.217	4.599	40	0	0	0	22.755
Stage 2	-2.4	49.692	24.014	UL-RL	0.217	4.599	40	0	0	0	24.014
Stage 2	-2.5	52.272	25.269	UL-RL	0.217	4.599	40	0	0	0	25.269
Stage 2	-2.6	54.85	26.517	UL-RL	0.217	4.599	40	0	0	0	26.517
Stage 2	-2.7	57.427	27.759	UL-RL	0.217	4.599	40	0	0	0	27.759
Stage 2	-2.8	60.001	28.995	UL-RL	0.217	4.599	40	0	0	0	28.995
Stage 2	-2.9	62.573	30.225	UL-RL	0.217	4.599	40	0	0	0	30.225
Stage 2	-3	65.143	31.448	UL-RL	0.217	4.599	40	0	0	0	31.448
Stage 2	-3.1	67.9	32.761	UL-RL	0.217	4.599	40	0	0	0	32.761
Stage 2	-3.2	70.524	34.003	UL-RL	0.217	4.599	40	0	0	0	34.003
Stage 2	-3.3	73.141	35.239	UL-RL	0.217	4.599	40	0	0	0	35.239
Stage 2	-3.4	75.96	36.574	UL-RL	0.217	4.599	40	0	0	0	36.574
Stage 2	-3.5	78.558	37.796	UL-RL	0.217	4.599	40	0	0	0	37.796
Stage 2	-3.6	80.348	38.613	UL-RL	0.217	4.599	40	1	0	0	39.613
Stage 2	-3.7	81.929	39.327	UL-RL	0.217	4.599	40	2	0	0	41.327
Stage 2	-3.8	83.505	40.038	UL-RL	0.217	4.599	40	3	0	0	43.038
Stage 2	-3.9	85.26	40.84	UL-RL	0.217	4.599	40	4	0	0	44.84
Stage 2	-4	86.823	41.547	UL-RL	0.217	4.599	40	5	0	0	46.547
Stage 2	-4.1	88.382	42.254	UL-RL	0.217	4.599	40	6	0	0	48.254
Stage 2	-4.2	90.108	43.046	UL-RL	0.217	4.599	40	7	0	0	50.046
Stage 2	-4.3	91.656	43.752	UL-RL	0.217	4.599	40	8	0	0	51.752
Stage 2	-4.4	93.363	44.539	UL-RL	0.217	4.599	40	9	0	0	53.539
Stage 2	-4.5	94.901	45.245	UL-RL	0.217	4.599	40	10	0	0	55.245
Stage 2	-4.6	96.436	45.951	UL-RL	0.217	4.599	40	11	0	0	56.951
Stage 2	-4.7	98.121	46.735	UL-RL	0.217	4.599	40	12	0	0	58.735
Stage 2	-4.8	99.648	47.442	UL-RL	0.217	4.599	40	13	0	0	60.442
Stage 2	-4.9	101.319	48.223	UL-RL	0.217	4.599	40	14	0	0	62.223
Stage 2	-5	102.839	48.931	UL-RL	0.217	4.599	40	15	0	0	63.931
Stage 2	-5.1	104.357	49.64	UL-RL	0.217	4.599	40	16	0	0	65.64
Stage 2	-5.2	106.011	50.419	UL-RL	0.217	4.599	40	17	0	0	67.419
Stage 2	-5.3	107.522	51.128	UL-RL	0.217	4.599	40	18	0	0	69.128
Stage 2	-5.4	109.165	51.905	UL-RL	0.217	4.599	40	19	0	0	70.905
Stage 2	-5.5	110.671	52.616	UL-RL	0.217	4.599	40	20	0	0	72.616
Stage 2	-5.6	112.176	53.327	UL-RL	0.217	4.599	40	21	0	0	74.327
Stage 2	-5.7	113.804	54.101	UL-RL	0.217	4.599	40	22	0	0	76.101
Stage 2	-5.8	115.304	54.813	UL-RL	0.217	4.599	40	23	0	0	77.813
Stage 2	-5.9	116.802	55.525	UL-RL	0.217	4.599	40	24	0	0	79.525
Stage 2	-6	118.419	56.297	UL-RL	0.217	4.599	40	25	0	0	81.297

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)
Stage 2	-6.1	119.914	57.009	UL-RL	0.217	4.599	40	26	0	0	83.009
Stage 2	-6.2	121.522	57.779	UL-RL	0.217	4.599	40	27	0	0	84.779
Stage 2	-6.3	123.013	58.491	UL-RL	0.217	4.599	40	28	0	0	86.491
Stage 2	-6.4	124.502	59.203	UL-RL	0.217	4.599	40	29	0	0	88.203
Stage 2	-6.5	126.101	59.971	UL-RL	0.217	4.599	40	30	0	0	89.971
Stage 2	-6.6	127.587	60.683	UL-RL	0.217	4.599	40	31	0	0	91.683
Stage 2	-6.7	129.179	61.449	UL-RL	0.217	4.599	40	32	0	0	93.449
Stage 2	-6.8	130.662	62.161	UL-RL	0.217	4.599	40	33	0	0	95.161
Stage 2	-6.9	132.145	62.874	UL-RL	0.217	4.599	40	34	0	0	96.874
Stage 2	-7	133.729	63.638	UL-RL	0.217	4.599	40	35	0	0	98.638
Stage 2	-7.1	135.208	64.35	UL-RL	0.217	4.599	40	36	0	0	100.35
Stage 2	-7.2	136.787	65.113	UL-RL	0.217	4.599	40	37	0	0	102.112
Stage 2	-7.3	138.264	65.825	UL-RL	0.217	4.599	40	38	0	0	103.825
Stage 2	-7.4	139.741	66.538	UL-RL	0.217	4.599	40	39	0	0	105.538
Stage 2	-7.5	141.312	67.299	UL-RL	0.217	4.599	40	40	0	0	107.298
Stage 2	-7.6	142.787	68.011	UL-RL	0.217	4.599	40	41	0	0	109.011
Stage 2	-7.7	144.26	68.724	UL-RL	0.217	4.599	40	42	0	0	110.724
Stage 2	-7.8	145.826	69.483	UL-RL	0.217	4.599	40	43	0	0	112.483
Stage 2	-7.9	147.298	70.196	UL-RL	0.217	4.599	40	44	0	0	114.196
Stage 2	-8	148.859	70.954	UL-RL	0.217	4.599	40	45	0	0	115.954
Stage 2	-8.1	150.329	71.667	UL-RL	0.217	4.599	40	46	0	0	117.667
Stage 2	-8.2	151.798	72.38	UL-RL	0.217	4.599	40	47	0	0	119.38
Stage 2	-8.3	153.354	73.138	UL-RL	0.217	4.599	40	48	0	0	121.138
Stage 2	-8.4	154.822	73.852	UL-RL	0.217	4.599	40	49	0	0	122.852
Stage 2	-8.5	156.374	74.609	UL-RL	0.217	4.599	40	50	0	0	124.609
Stage 2	-8.6	157.84	75.324	UL-RL	0.217	4.599	40	51	0	0	126.324
Stage 2	-8.7	159.307	76.04	UL-RL	0.217	4.599	40	52	0	0	128.04
Stage 2	-8.8	160.854	76.798	UL-RL	0.217	4.599	40	53	0	0	129.798
Stage 2	-8.9	162.319	77.517	UL-RL	0.217	4.599	40	54	0	0	131.517
Stage 2	-9	163.863	78.276	UL-RL	0.217	4.599	40	55	0	0	133.276
Stage 2	-9.1	165.326	78.997	UL-RL	0.217	4.599	40	56	0	0	134.997
Stage 2	-9.2	166.79	79.719	UL-RL	0.217	4.599	40	57	0	0	136.719
Stage 2	-9.3	168.33	80.482	UL-RL	0.217	4.599	40	58	0	0	138.482
Stage 2	-9.4	169.792	81.207	UL-RL	0.217	4.599	40	59	0	0	140.207
Stage 2	-9.5	171.254	81.934	UL-RL	0.217	4.599	40	60	0	0	141.934
Stage 2	-9.6	172.64	82.624	UL-RL	0.217	4.599	40	61	0	0	143.624
Stage 2	-9.7	174.028	83.316	UL-RL	0.217	4.599	40	62	0	0	145.316
Stage 2	-9.8	175.416	84.009	UL-RL	0.217	4.599	40	63	0	0	147.008
Stage 2	-9.9	176.805	84.702	UL-RL	0.217	4.599	40	64	0	0	148.702
Stage 2	-10	178.195	85.396	UL-RL	0.217	4.599	40	65	0	0	150.396

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)
Stage 2	0	0	0	PASSIVE	0.32	3.1	0	0	0	0	0
Stage 2	-0.1	1.9	0.943	UL-RL	0.32	3.1	0	0	0	0	0.943
Stage 2	-0.2	3.8	1.901	V-C	0.32	3.1	0	0	0	0	1.901
Stage 2	-0.3	5.7	2.856	V-C	0.32	3.1	0	0	0	0	2.856
Stage 2	-0.4	7.6	3.811	V-C	0.32	3.1	0	0	0	0	3.811
Stage 2	-0.5	9.5	4.766	V-C	0.32	3.1	0	0	0	0	4.766
Stage 2	-0.6	11.4	5.721	V-C	0.32	3.1	0	0	0	0	5.721
Stage 2	-0.7	13.3	6.676	V-C	0.32	3.1	0	0	0	0	6.676
Stage 2	-0.8	15.2	7.631	V-C	0.32	3.1	0	0	0	0	7.631
Stage 2	-0.9	17.1	8.586	V-C	0.32	3.1	0	0	0	0	8.586
Stage 2	-1	19	9.541	V-C	0.32	3.1	0	0	0	0	9.541
Stage 2	-1.1	20.9	10.495	V-C	0.32	3.1	0	0	0	0	10.495
Stage 2	-1.2	22.8	11.45	V-C	0.32	3.1	0	0	0	0	11.45
Stage 2	-1.3	24.7	12.404	V-C	0.32	3.1	0	0	0	0	12.404
Stage 2	-1.4	26.6	13.358	V-C	0.32	3.1	0	0	0	0	13.358
Stage 2	-1.5	28.5	14.311	V-C	0.32	3.1	0	0	0	0	14.311
Stage 2	-1.6	30.4	15.264	V-C	0.32	3.1	0	0	0	0	15.264
Stage 2	-1.7	32.3	16.217	V-C	0.32	3.1	0	0	0	0	16.217
Stage 2	-1.8	34.2	17.169	V-C	0.32	3.1	0	0	0	0	17.169
Stage 2	-1.9	36.1	18.122	V-C	0.32	3.1	0	0	0	0	18.122
Stage 2	-2	38	19.198	V-C	0.217	4.599	40	0	0	0	19.198
Stage 2	-2.1	40.45	20.429	V-C	0.217	4.599	40	0	0	0	20.429
Stage 2	-2.2	42.9	21.66	V-C	0.217	4.599	40	0	0	0	21.66
Stage 2	-2.3	45.35	22.893	V-C	0.217	4.599	40	0	0	0	22.893
Stage 2	-2.4	47.8	24.126	V-C	0.217	4.599	40	0	0	0	24.126
Stage 2	-2.5	50.25	25.361	V-C	0.217	4.599	40	0	0	0	25.361
Stage 2	-2.6	52.7	26.597	V-C	0.217	4.599	40	0	0	0	26.597
Stage 2	-2.7	55.15	27.834	V-C	0.217	4.599	40	0	0	0	27.834
Stage 2	-2.8	57.6	29.073	V-C	0.217	4.599	40	0	0	0	29.073
Stage 2	-2.9	60.05	30.314	V-C	0.217	4.599	40	0	0	0	30.314
Stage 2	-3	62.5	31.555	V-C	0.217	4.599	40	0	0	0	31.555
Stage 2	-3.1	64.95	32.798	V-C	0.217	4.599	40	0	0	0	32.798
Stage 2	-3.2	67.4	34.042	V-C	0.217	4.599	40	0	0	0	34.042
Stage 2	-3.3	69.85	35.287	V-C	0.217	4.599	40	0	0	0	35.287
Stage 2	-3.4	72.3	36.532	V-C	0.217	4.599	40	0	0	0	36.532
Stage 2	-3.5	74.75	37.778	V-C	0.217	4.599	40	0	0	0	37.778
Stage 2	-3.6	76.2	38.524	V-C	0.217	4.599	40	1	0	0	39.524
Stage 2	-3.7	77.65	39.27	V-C	0.217	4.599	40	2	0	0	41.27
Stage 2	-3.8	79.1	40.016	V-C	0.217	4.599	40	3	0	0	43.016
Stage 2	-3.9	80.55	40.762	V-C	0.217	4.599	40	4	0	0	44.762
Stage 2	-4	82	41.507	V-C	0.217	4.599	40	5	0	0	46.507
Stage 2	-4.1	83.45	42.252	V-C	0.217	4.599	40	6	0	0	48.252
Stage 2	-4.2	84.9	42.996	V-C	0.217	4.599	40	7	0	0	49.996
Stage 2	-4.3	86.35	43.739	V-C	0.217	4.599	40	8	0	0	51.739
Stage 2	-4.4	87.8	44.482	V-C	0.217	4.599	40	9	0	0	53.482
Stage 2	-4.5	89.25	45.225	V-C	0.217	4.599	40	10	0	0	55.225
Stage 2	-4.6	90.7	45.966	V-C	0.217	4.599	40	11	0	0	56.966
Stage 2	-4.7	92.15	46.707	V-C	0.217	4.599	40	12	0	0	58.707
Stage 2	-4.8	93.6	47.448	V-C	0.217	4.599	40	13	0	0	60.448
Stage 2	-4.9	95.05	48.187	V-C	0.217	4.599	40	14	0	0	62.187
Stage 2	-5	96.5	48.926	V-C	0.217	4.599	40	15	0	0	63.926
Stage 2	-5.1	97.95	49.665	V-C	0.217	4.599	40	16	0	0	65.665
Stage 2	-5.2	99.4	50.403	V-C	0.217	4.599	40	17	0	0	67.403
Stage 2	-5.3	100.85	51.141	V-C	0.217	4.599	40	18	0	0	69.141
Stage 2	-5.4	102.3	51.878	V-C	0.217	4.599	40	19	0	0	70.878
Stage 2	-5.5	103.75	52.614	V-C	0.217	4.599	40	20	0	0	72.614
Stage 2	-5.6	105.2	53.35	V-C	0.217	4.599	40	21	0	0	74.35
Stage 2	-5.7	106.65	54.086	V-C	0.217	4.599	40	22	0	0	76.086
Stage 2	-5.8	108.1	54.822	V-C	0.217	4.599	40	23	0	0	77.822
Stage 2	-5.9	109.55	55.557	V-C	0.217	4.599	40	24	0	0	79.557
Stage 2	-6	111	56.292	V-C	0.217	4.599	40	25	0	0	81.292
Stage 2	-6.1	112.45	57.026	V-C	0.217	4.599	40	26	0	0	83.026
Stage 2	-6.2	113.9	57.76	V-C	0.217	4.599	40	27	0	0	84.76

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)
Stage 2	-6.3	115.35	58.495	V-C	0.217	4.599	40	28	0	0	86.495
Stage 2	-6.4	116.8	59.228	V-C	0.217	4.599	40	29	0	0	88.228
Stage 2	-6.5	118.25	59.962	V-C	0.217	4.599	40	30	0	0	89.962
Stage 2	-6.6	119.7	60.695	V-C	0.217	4.599	40	31	0	0	91.695
Stage 2	-6.7	121.15	61.429	V-C	0.217	4.599	40	32	0	0	93.429
Stage 2	-6.8	122.6	62.162	V-C	0.217	4.599	40	33	0	0	95.162
Stage 2	-6.9	124.05	62.894	V-C	0.217	4.599	40	34	0	0	96.894
Stage 2	-7	125.5	63.627	V-C	0.217	4.599	40	35	0	0	98.627
Stage 2	-7.1	126.95	64.359	V-C	0.217	4.599	40	36	0	0	100.359
Stage 2	-7.2	128.4	65.092	V-C	0.217	4.599	40	37	0	0	102.092
Stage 2	-7.3	129.85	65.824	V-C	0.217	4.599	40	38	0	0	103.824
Stage 2	-7.4	131.3	66.556	V-C	0.217	4.599	40	39	0	0	105.556
Stage 2	-7.5	132.75	67.288	V-C	0.217	4.599	40	40	0	0	107.288
Stage 2	-7.6	134.2	68.019	V-C	0.217	4.599	40	41	0	0	109.019
Stage 2	-7.7	135.65	68.751	V-C	0.217	4.599	40	42	0	0	110.751
Stage 2	-7.8	137.1	69.482	V-C	0.217	4.599	40	43	0	0	112.482
Stage 2	-7.9	138.55	70.213	V-C	0.217	4.599	40	44	0	0	114.213
Stage 2	-8	140	70.945	V-C	0.217	4.599	40	45	0	0	115.944
Stage 2	-8.1	141.45	71.676	V-C	0.217	4.599	40	46	0	0	117.676
Stage 2	-8.2	142.9	72.406	V-C	0.217	4.599	40	47	0	0	119.406
Stage 2	-8.3	144.35	73.137	V-C	0.217	4.599	40	48	0	0	121.137
Stage 2	-8.4	145.8	73.867	V-C	0.217	4.599	40	49	0	0	122.867
Stage 2	-8.5	147.25	74.598	V-C	0.217	4.599	40	50	0	0	124.598
Stage 2	-8.6	148.7	75.327	V-C	0.217	4.599	40	51	0	0	126.327
Stage 2	-8.7	150.15	76.057	V-C	0.217	4.599	40	52	0	0	128.057
Stage 2	-8.8	151.6	76.786	V-C	0.217	4.599	40	53	0	0	129.786
Stage 2	-8.9	153.05	77.515	V-C	0.217	4.599	40	54	0	0	131.515
Stage 2	-9	154.5	78.244	V-C	0.217	4.599	40	55	0	0	133.244
Stage 2	-9.1	155.95	78.972	V-C	0.217	4.599	40	56	0	0	134.972
Stage 2	-9.2	157.4	79.699	V-C	0.217	4.599	40	57	0	0	136.699
Stage 2	-9.3	158.85	80.426	V-C	0.217	4.599	40	58	0	0	138.426
Stage 2	-9.4	160.3	81.153	V-C	0.217	4.599	40	59	0	0	140.153
Stage 2	-9.5	161.75	81.879	V-C	0.217	4.599	40	60	0	0	141.879
Stage 2	-9.6	163.2	82.605	V-C	0.217	4.599	40	61	0	0	143.605
Stage 2	-9.7	164.65	83.33	V-C	0.217	4.599	40	62	0	0	145.33
Stage 2	-9.8	166.1	84.056	V-C	0.217	4.599	40	63	0	0	147.056
Stage 2	-9.9	167.55	84.781	V-C	0.217	4.599	40	64	0	0	148.781
Stage 2	-10	169	85.506	V-C	0.217	4.599	40	65	0	0	150.506

Tabella Risultati Terreno Left Wall - Nominal - Stage A

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)
Stage A	0	0	0	ACTIVE	0.32	3.1	0	0	0	0	0
Stage A	-0.1	1.9	0.608	ACTIVE	0.32	3.1	0	0	0	0	0.608
Stage A	-0.2	3.803	1.217	ACTIVE	0.32	3.1	0	0	0	0	1.217
Stage A	-0.3	5.709	1.827	ACTIVE	0.32	3.1	0	0	0	0	1.827
Stage A	-0.4	7.621	2.439	ACTIVE	0.32	3.1	0	0	0	0	2.439
Stage A	-0.5	9.541	3.053	ACTIVE	0.32	3.1	0	0	0	0	3.053
Stage A	-0.6	11.469	3.67	ACTIVE	0.32	3.1	0	0	0	0	3.67
Stage A	-0.7	13.406	4.29	ACTIVE	0.32	3.1	0	0	0	0	4.29
Stage A	-0.8	15.353	4.913	ACTIVE	0.32	3.1	0	0	0	0	4.913
Stage A	-0.9	17.311	5.539	ACTIVE	0.32	3.1	0	0	0	0	5.539
Stage A	-1	19.278	6.169	ACTIVE	0.32	3.1	0	0	0	0	6.169
Stage A	-1.1	21.256	6.802	ACTIVE	0.32	3.1	0	0	0	0	6.802
Stage A	-1.2	23.242	7.438	ACTIVE	0.32	3.1	0	0	0	0	7.438
Stage A	-1.3	25.237	8.076	ACTIVE	0.32	3.1	0	0	0	0	8.076
Stage A	-1.4	27.24	8.717	ACTIVE	0.32	3.1	0	0	0	0	8.717
Stage A	-1.5	29.25	9.36	ACTIVE	0.32	3.1	0	0	0	0	9.36
Stage A	-1.6	31.265	10.005	ACTIVE	0.32	3.1	0	0	0	0	10.005
Stage A	-1.7	33.286	10.651	ACTIVE	0.32	3.1	0	0	0	0	10.651
Stage A	-1.8	35.31	11.299	ACTIVE	0.32	3.1	0	0	0	0	11.299
Stage A	-1.9	37.337	11.948	ACTIVE	0.32	3.1	0	0	0	0	11.948
Stage A	-2	39.367	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage A	-2.1	41.948	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage A	-2.2	44.529	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage A	-2.3	47.111	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage A	-2.4	49.692	5.533	UL-RL	0.217	4.599	40	0	0	0	5.533
Stage A	-2.5	52.272	11.266	UL-RL	0.217	4.599	40	0	0	0	11.266
Stage A	-2.6	54.85	16.168	UL-RL	0.217	4.599	40	0	0	0	16.168
Stage A	-2.7	57.427	20.316	UL-RL	0.217	4.599	40	0	0	0	20.316
Stage A	-2.8	60.001	23.794	UL-RL	0.217	4.599	40	0	0	0	23.794
Stage A	-2.9	62.573	26.687	UL-RL	0.217	4.599	40	0	0	0	26.687
Stage A	-3	65.143	29.081	UL-RL	0.217	4.599	40	0	0	0	29.081
Stage A	-3.1	67.9	31.155	UL-RL	0.217	4.599	40	0	0	0	31.155
Stage A	-3.2	70.524	32.824	UL-RL	0.217	4.599	40	0	0	0	32.824
Stage A	-3.3	73.141	34.222	UL-RL	0.217	4.599	40	0	0	0	34.222
Stage A	-3.4	75.96	35.515	UL-RL	0.217	4.599	40	0	0	0	35.515
Stage A	-3.5	78.558	36.545	UL-RL	0.217	4.599	40	0	0	0	36.545
Stage A	-3.6	80.348	37.065	UL-RL	0.217	4.599	40	1	0	0	38.065
Stage A	-3.7	81.929	37.414	UL-RL	0.217	4.599	40	2	0	0	39.414
Stage A	-3.8	83.505	37.723	UL-RL	0.217	4.599	40	3	0	0	40.723
Stage A	-3.9	85.26	38.111	UL-RL	0.217	4.599	40	4	0	0	42.111
Stage A	-4	86.823	38.409	UL-RL	0.217	4.599	40	5	0	0	43.409
Stage A	-4.1	88.382	38.728	UL-RL	0.217	4.599	40	6	0	0	44.727
Stage A	-4.2	90.108	39.16	UL-RL	0.217	4.599	40	7	0	0	46.16
Stage A	-4.3	91.656	39.541	UL-RL	0.217	4.599	40	8	0	0	47.541
Stage A	-4.4	93.363	40.043	UL-RL	0.217	4.599	40	9	0	0	49.042
Stage A	-4.5	94.901	40.501	UL-RL	0.217	4.599	40	10	0	0	50.501
Stage A	-4.6	96.436	41	UL-RL	0.217	4.599	40	11	0	0	52
Stage A	-4.7	98.121	41.612	UL-RL	0.217	4.599	40	12	0	0	53.612
Stage A	-4.8	99.648	42.182	UL-RL	0.217	4.599	40	13	0	0	55.182
Stage A	-4.9	101.319	42.857	UL-RL	0.217	4.599	40	14	0	0	56.857
Stage A	-5	102.839	43.486	UL-RL	0.217	4.599	40	15	0	0	58.486
Stage A	-5.1	104.357	44.139	UL-RL	0.217	4.599	40	16	0	0	60.139
Stage A	-5.2	106.011	44.881	UL-RL	0.217	4.599	40	17	0	0	61.881
Stage A	-5.3	107.522	45.571	UL-RL	0.217	4.599	40	18	0	0	63.571
Stage A	-5.4	109.165	46.341	UL-RL	0.217	4.599	40	19	0	0	65.341
Stage A	-5.5	110.671	47.055	UL-RL	0.217	4.599	40	20	0	0	67.055
Stage A	-5.6	112.176	47.777	UL-RL	0.217	4.599	40	21	0	0	68.777
Stage A	-5.7	113.804	48.569	UL-RL	0.217	4.599	40	22	0	0	70.569
Stage A	-5.8	115.304	49.301	UL-RL	0.217	4.599	40	23	0	0	72.301
Stage A	-5.9	116.802	50.036	UL-RL	0.217	4.599	40	24	0	0	74.036
Stage A	-6	118.419	50.832	UL-RL	0.217	4.599	40	25	0	0	75.832

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)
Stage A	-6.1	119.914	51.568	UL-RL	0.217	4.599	40	26	0	0	77.568
Stage A	-6.2	121.522	52.361	UL-RL	0.217	4.599	40	27	0	0	79.361
Stage A	-6.3	123.013	53.095	UL-RL	0.217	4.599	40	28	0	0	81.095
Stage A	-6.4	124.502	53.828	UL-RL	0.217	4.599	40	29	0	0	82.828
Stage A	-6.5	126.101	54.614	UL-RL	0.217	4.599	40	30	0	0	84.614
Stage A	-6.6	127.587	55.343	UL-RL	0.217	4.599	40	31	0	0	86.343
Stage A	-6.7	129.179	56.124	UL-RL	0.217	4.599	40	32	0	0	88.124
Stage A	-6.8	130.662	56.85	UL-RL	0.217	4.599	40	33	0	0	89.85
Stage A	-6.9	132.145	57.574	UL-RL	0.217	4.599	40	34	0	0	91.574
Stage A	-7	133.729	58.348	UL-RL	0.217	4.599	40	35	0	0	93.348
Stage A	-7.1	135.208	59.069	UL-RL	0.217	4.599	40	36	0	0	95.069
Stage A	-7.2	136.787	59.839	UL-RL	0.217	4.599	40	37	0	0	96.839
Stage A	-7.3	138.264	60.558	UL-RL	0.217	4.599	40	38	0	0	98.558
Stage A	-7.4	139.741	61.276	UL-RL	0.217	4.599	40	39	0	0	100.276
Stage A	-7.5	141.312	62.041	UL-RL	0.217	4.599	40	40	0	0	102.041
Stage A	-7.6	142.787	62.758	UL-RL	0.217	4.599	40	41	0	0	103.758
Stage A	-7.7	144.26	63.475	UL-RL	0.217	4.599	40	42	0	0	105.475
Stage A	-7.8	145.826	64.237	UL-RL	0.217	4.599	40	43	0	0	107.237
Stage A	-7.9	147.298	64.953	UL-RL	0.217	4.599	40	44	0	0	108.953
Stage A	-8	148.859	65.713	UL-RL	0.217	4.599	40	45	0	0	110.713
Stage A	-8.1	150.329	66.429	UL-RL	0.217	4.599	40	46	0	0	112.429
Stage A	-8.2	151.798	67.145	UL-RL	0.217	4.599	40	47	0	0	114.144
Stage A	-8.3	153.354	67.904	UL-RL	0.217	4.599	40	48	0	0	115.904
Stage A	-8.4	154.822	68.62	UL-RL	0.217	4.599	40	49	0	0	117.62
Stage A	-8.5	156.374	69.38	UL-RL	0.217	4.599	40	50	0	0	119.38
Stage A	-8.6	157.84	70.097	UL-RL	0.217	4.599	40	51	0	0	121.097
Stage A	-8.7	159.307	70.816	UL-RL	0.217	4.599	40	52	0	0	122.816
Stage A	-8.8	160.854	71.576	UL-RL	0.217	4.599	40	53	0	0	124.576
Stage A	-8.9	162.319	72.296	UL-RL	0.217	4.599	40	54	0	0	126.296
Stage A	-9	163.863	73.058	UL-RL	0.217	4.599	40	55	0	0	128.058
Stage A	-9.1	165.326	73.781	UL-RL	0.217	4.599	40	56	0	0	129.781
Stage A	-9.2	166.79	74.506	UL-RL	0.217	4.599	40	57	0	0	131.506
Stage A	-9.3	168.33	75.271	UL-RL	0.217	4.599	40	58	0	0	133.271
Stage A	-9.4	169.792	75.998	UL-RL	0.217	4.599	40	59	0	0	134.998
Stage A	-9.5	171.254	76.727	UL-RL	0.217	4.599	40	60	0	0	136.727
Stage A	-9.6	172.64	77.42	UL-RL	0.217	4.599	40	61	0	0	138.42
Stage A	-9.7	174.028	78.114	UL-RL	0.217	4.599	40	62	0	0	140.114
Stage A	-9.8	175.416	78.809	UL-RL	0.217	4.599	40	63	0	0	141.809
Stage A	-9.9	176.805	79.505	UL-RL	0.217	4.599	40	64	0	0	143.505
Stage A	-10	178.195	80.202	UL-RL	0.217	4.599	40	65	0	0	145.202

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)
Stage A	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.5	0	0	PASSIVE	0.32	3.1	0	0	0	0	0
Stage A	-1.6	1.9	5.89	PASSIVE	0.32	3.1	0	0	0	0	5.89
Stage A	-1.7	3.8	11.78	PASSIVE	0.32	3.1	0	0	0	0	11.78
Stage A	-1.8	5.7	17.35	V-C	0.32	3.1	0	0	0	0	17.35
Stage A	-1.9	7.6	17.174	UL-RL	0.32	3.1	0	0	0	0	17.174
Stage A	-2	9.5	25.627	V-C	0.217	4.599	40	0	0	0	25.627
Stage A	-2.1	11.95	24.812	V-C	0.217	4.599	40	0	0	0	24.812
Stage A	-2.2	14.4	24.211	V-C	0.217	4.599	40	0	0	0	24.211
Stage A	-2.3	16.85	23.84	V-C	0.217	4.599	40	0	0	0	23.84
Stage A	-2.4	19.3	23.45	UL-RL	0.217	4.599	40	0	0	0	23.45
Stage A	-2.5	21.75	22.855	UL-RL	0.217	4.599	40	0	0	0	22.855
Stage A	-2.6	24.2	22.603	UL-RL	0.217	4.599	40	0	0	0	22.603
Stage A	-2.7	26.65	22.665	UL-RL	0.217	4.599	40	0	0	0	22.665
Stage A	-2.8	29.1	23.006	UL-RL	0.217	4.599	40	0	0	0	23.006
Stage A	-2.9	31.55	23.591	UL-RL	0.217	4.599	40	0	0	0	23.591
Stage A	-3	34	24.384	UL-RL	0.217	4.599	40	0	0	0	24.384
Stage A	-3.1	36.45	25.35	UL-RL	0.217	4.599	40	0	0	0	25.35
Stage A	-3.2	38.9	26.457	UL-RL	0.217	4.599	40	0	0	0	26.457
Stage A	-3.3	41.35	27.676	UL-RL	0.217	4.599	40	0	0	0	27.676
Stage A	-3.4	43.8	28.98	UL-RL	0.217	4.599	40	0	0	0	28.98
Stage A	-3.5	46.25	30.346	UL-RL	0.217	4.599	40	0	0	0	30.346
Stage A	-3.6	47.7	31.242	UL-RL	0.217	4.599	40	1	0	0	32.242
Stage A	-3.7	49.15	32.166	UL-RL	0.217	4.599	40	2	0	0	34.166
Stage A	-3.8	50.6	33.105	UL-RL	0.217	4.599	40	3	0	0	36.105
Stage A	-3.9	52.05	34.049	UL-RL	0.217	4.599	40	4	0	0	38.049
Stage A	-4	53.5	34.988	UL-RL	0.217	4.599	40	5	0	0	39.988
Stage A	-4.1	54.95	35.919	UL-RL	0.217	4.599	40	6	0	0	41.918
Stage A	-4.2	56.4	36.835	UL-RL	0.217	4.599	40	7	0	0	43.835
Stage A	-4.3	57.85	37.734	UL-RL	0.217	4.599	40	8	0	0	45.734
Stage A	-4.4	59.3	38.616	UL-RL	0.217	4.599	40	9	0	0	47.616
Stage A	-4.5	60.75	39.479	UL-RL	0.217	4.599	40	10	0	0	49.479
Stage A	-4.6	62.2	40.324	UL-RL	0.217	4.599	40	11	0	0	51.324
Stage A	-4.7	63.65	41.153	UL-RL	0.217	4.599	40	12	0	0	53.153
Stage A	-4.8	65.1	41.965	UL-RL	0.217	4.599	40	13	0	0	54.965
Stage A	-4.9	66.55	42.763	UL-RL	0.217	4.599	40	14	0	0	56.763
Stage A	-5	68	43.548	UL-RL	0.217	4.599	40	15	0	0	58.548
Stage A	-5.1	69.45	44.321	UL-RL	0.217	4.599	40	16	0	0	60.321
Stage A	-5.2	70.9	45.086	UL-RL	0.217	4.599	40	17	0	0	62.086
Stage A	-5.3	72.35	45.842	UL-RL	0.217	4.599	40	18	0	0	63.842
Stage A	-5.4	73.8	46.592	UL-RL	0.217	4.599	40	19	0	0	65.592
Stage A	-5.5	75.25	47.337	UL-RL	0.217	4.599	40	20	0	0	67.337
Stage A	-5.6	76.7	48.077	UL-RL	0.217	4.599	40	21	0	0	69.077
Stage A	-5.7	78.15	48.814	UL-RL	0.217	4.599	40	22	0	0	70.814
Stage A	-5.8	79.6	49.55	UL-RL	0.217	4.599	40	23	0	0	72.55
Stage A	-5.9	81.05	50.283	UL-RL	0.217	4.599	40	24	0	0	74.283
Stage A	-6	82.5	51.016	UL-RL	0.217	4.599	40	25	0	0	76.016
Stage A	-6.1	83.95	51.748	UL-RL	0.217	4.599	40	26	0	0	77.748
Stage A	-6.2	85.4	52.48	UL-RL	0.217	4.599	40	27	0	0	79.48

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)
Stage A	-6.3	86.85	53.212	UL-RL	0.217	4.599	40	28	0	0	81.212
Stage A	-6.4	88.3	53.944	UL-RL	0.217	4.599	40	29	0	0	82.944
Stage A	-6.5	89.75	54.676	UL-RL	0.217	4.599	40	30	0	0	84.676
Stage A	-6.6	91.2	55.409	UL-RL	0.217	4.599	40	31	0	0	86.409
Stage A	-6.7	92.65	56.142	UL-RL	0.217	4.599	40	32	0	0	88.142
Stage A	-6.8	94.1	56.876	UL-RL	0.217	4.599	40	33	0	0	89.876
Stage A	-6.9	95.55	57.61	UL-RL	0.217	4.599	40	34	0	0	91.61
Stage A	-7	97	58.344	UL-RL	0.217	4.599	40	35	0	0	93.344
Stage A	-7.1	98.45	59.079	UL-RL	0.217	4.599	40	36	0	0	95.079
Stage A	-7.2	99.9	59.814	UL-RL	0.217	4.599	40	37	0	0	96.814
Stage A	-7.3	101.35	60.549	UL-RL	0.217	4.599	40	38	0	0	98.549
Stage A	-7.4	102.8	61.284	UL-RL	0.217	4.599	40	39	0	0	100.284
Stage A	-7.5	104.25	62.019	UL-RL	0.217	4.599	40	40	0	0	102.019
Stage A	-7.6	105.7	62.754	UL-RL	0.217	4.599	40	41	0	0	103.754
Stage A	-7.7	107.15	63.489	UL-RL	0.217	4.599	40	42	0	0	105.489
Stage A	-7.8	108.6	64.224	UL-RL	0.217	4.599	40	43	0	0	107.224
Stage A	-7.9	110.05	64.959	UL-RL	0.217	4.599	40	44	0	0	108.959
Stage A	-8	111.5	65.694	UL-RL	0.217	4.599	40	45	0	0	110.694
Stage A	-8.1	112.95	66.428	UL-RL	0.217	4.599	40	46	0	0	112.428
Stage A	-8.2	114.4	67.163	UL-RL	0.217	4.599	40	47	0	0	114.162
Stage A	-8.3	115.85	67.897	UL-RL	0.217	4.599	40	48	0	0	115.897
Stage A	-8.4	117.3	68.63	UL-RL	0.217	4.599	40	49	0	0	117.63
Stage A	-8.5	118.75	69.364	UL-RL	0.217	4.599	40	50	0	0	119.364
Stage A	-8.6	120.2	70.097	UL-RL	0.217	4.599	40	51	0	0	121.097
Stage A	-8.7	121.65	70.83	UL-RL	0.217	4.599	40	52	0	0	122.83
Stage A	-8.8	123.1	71.562	UL-RL	0.217	4.599	40	53	0	0	124.562
Stage A	-8.9	124.55	72.294	UL-RL	0.217	4.599	40	54	0	0	126.294
Stage A	-9	126	73.025	UL-RL	0.217	4.599	40	55	0	0	128.025
Stage A	-9.1	127.45	73.756	UL-RL	0.217	4.599	40	56	0	0	129.756
Stage A	-9.2	128.9	74.486	UL-RL	0.217	4.599	40	57	0	0	131.486
Stage A	-9.3	130.35	75.215	UL-RL	0.217	4.599	40	58	0	0	133.215
Stage A	-9.4	131.8	75.944	UL-RL	0.217	4.599	40	59	0	0	134.944
Stage A	-9.5	133.25	76.673	UL-RL	0.217	4.599	40	60	0	0	136.673
Stage A	-9.6	134.7	77.401	UL-RL	0.217	4.599	40	61	0	0	138.401
Stage A	-9.7	136.15	78.129	UL-RL	0.217	4.599	40	62	0	0	140.129
Stage A	-9.8	137.6	78.857	UL-RL	0.217	4.599	40	63	0	0	141.857
Stage A	-9.9	139.05	79.584	UL-RL	0.217	4.599	40	64	0	0	143.584
Stage A	-10	140.5	80.311	UL-RL	0.217	4.599	40	65	0	0	145.311

Tabella Risultati Terreno Left Wall - Nominal - Stage B

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)
Stage B	0	0	0	PASSIVE	0.32	3.1	0	0	0	0	0
Stage B	-0.1	1.9	5.891	PASSIVE	0.32	3.1	0	0	0	0	5.891
Stage B	-0.2	3.803	11.788	PASSIVE	0.32	3.1	0	0	0	0	11.788
Stage B	-0.3	5.709	17.698	PASSIVE	0.32	3.1	0	0	0	0	17.698
Stage B	-0.4	7.621	23.626	PASSIVE	0.32	3.1	0	0	0	0	23.626
Stage B	-0.5	9.541	29.576	PASSIVE	0.32	3.1	0	0	0	0	29.576
Stage B	-0.6	11.469	35.552	PASSIVE	0.32	3.1	0	0	0	0	35.552
Stage B	-0.7	13.406	41.558	PASSIVE	0.32	3.1	0	0	0	0	41.558
Stage B	-0.8	15.353	47.595	PASSIVE	0.32	3.1	0	0	0	0	47.595
Stage B	-0.9	17.311	50.688	V-C	0.32	3.1	0	0	0	0	50.688
Stage B	-1	19.278	50.06	V-C	0.32	3.1	0	0	0	0	50.06
Stage B	-1.1	21.256	49.234	V-C	0.32	3.1	0	0	0	0	49.234
Stage B	-1.2	23.242	48.144	V-C	0.32	3.1	0	0	0	0	48.144
Stage B	-1.3	25.237	46.717	V-C	0.32	3.1	0	0	0	0	46.717
Stage B	-1.4	27.24	44.903	V-C	0.32	3.1	0	0	0	0	44.903
Stage B	-1.5	29.25	42.782	V-C	0.32	3.1	0	0	0	0	42.782
Stage B	-1.6	31.265	40.46	V-C	0.32	3.1	0	0	0	0	40.46
Stage B	-1.7	33.286	38.035	V-C	0.32	3.1	0	0	0	0	38.035
Stage B	-1.8	35.31	35.597	V-C	0.32	3.1	0	0	0	0	35.597
Stage B	-1.9	37.337	33.228	V-C	0.32	3.1	0	0	0	0	33.228
Stage B	-2	39.367	60.11	V-C	0.217	4.599	40	0	0	0	60.11
Stage B	-2.1	41.948	51.172	V-C	0.217	4.599	40	0	0	0	51.172
Stage B	-2.2	44.529	43.06	V-C	0.217	4.599	40	0	0	0	43.06
Stage B	-2.3	47.111	35.866	V-C	0.217	4.599	40	0	0	0	35.866
Stage B	-2.4	49.692	33.089	V-C	0.217	4.599	40	0	0	0	33.089
Stage B	-2.5	52.272	31.393	V-C	0.217	4.599	40	0	0	0	31.393
Stage B	-2.6	54.85	30.1	V-C	0.217	4.599	40	0	0	0	30.1
Stage B	-2.7	57.427	29.132	UL-RL	0.217	4.599	40	0	0	0	29.132
Stage B	-2.8	60.001	27.88	UL-RL	0.217	4.599	40	0	0	0	27.88
Stage B	-2.9	62.573	26.814	UL-RL	0.217	4.599	40	0	0	0	26.814
Stage B	-3	65.143	26.242	UL-RL	0.217	4.599	40	0	0	0	26.242
Stage B	-3.1	67.9	26.198	UL-RL	0.217	4.599	40	0	0	0	26.198
Stage B	-3.2	70.524	26.464	UL-RL	0.217	4.599	40	0	0	0	26.464
Stage B	-3.3	73.141	27.042	UL-RL	0.217	4.599	40	0	0	0	27.042
Stage B	-3.4	75.96	27.983	UL-RL	0.217	4.599	40	0	0	0	27.983
Stage B	-3.5	78.558	29.024	UL-RL	0.217	4.599	40	0	0	0	29.024
Stage B	-3.6	80.348	29.826	UL-RL	0.217	4.599	40	1	0	0	30.826
Stage B	-3.7	81.929	30.648	UL-RL	0.217	4.599	40	2	0	0	32.648
Stage B	-3.8	83.505	31.558	UL-RL	0.217	4.599	40	3	0	0	34.558
Stage B	-3.9	85.26	32.619	UL-RL	0.217	4.599	40	4	0	0	36.619
Stage B	-4	86.823	33.621	UL-RL	0.217	4.599	40	5	0	0	38.621
Stage B	-4.1	88.382	34.64	UL-RL	0.217	4.599	40	6	0	0	40.64
Stage B	-4.2	90.108	35.746	UL-RL	0.217	4.599	40	7	0	0	42.746
Stage B	-4.3	91.656	36.755	UL-RL	0.217	4.599	40	8	0	0	44.755
Stage B	-4.4	93.363	37.827	UL-RL	0.217	4.599	40	9	0	0	46.827
Stage B	-4.5	94.901	38.794	UL-RL	0.217	4.599	40	10	0	0	48.794
Stage B	-4.6	96.436	39.734	UL-RL	0.217	4.599	40	11	0	0	50.734
Stage B	-4.7	98.121	40.724	UL-RL	0.217	4.599	40	12	0	0	52.724
Stage B	-4.8	99.648	41.608	UL-RL	0.217	4.599	40	13	0	0	54.608
Stage B	-4.9	101.319	42.539	UL-RL	0.217	4.599	40	14	0	0	56.539
Stage B	-5	102.839	43.371	UL-RL	0.217	4.599	40	15	0	0	58.371
Stage B	-5.1	104.357	44.18	UL-RL	0.217	4.599	40	16	0	0	60.18
Stage B	-5.2	106.011	45.038	UL-RL	0.217	4.599	40	17	0	0	62.038
Stage B	-5.3	107.522	45.808	UL-RL	0.217	4.599	40	18	0	0	63.808
Stage B	-5.4	109.165	46.63	UL-RL	0.217	4.599	40	19	0	0	65.63
Stage B	-5.5	110.671	47.372	UL-RL	0.217	4.599	40	20	0	0	67.372
Stage B	-5.6	112.176	48.104	UL-RL	0.217	4.599	40	21	0	0	69.104
Stage B	-5.7	113.804	48.891	UL-RL	0.217	4.599	40	22	0	0	70.891
Stage B	-5.8	115.304	49.608	UL-RL	0.217	4.599	40	23	0	0	72.608
Stage B	-5.9	116.802	50.32	UL-RL	0.217	4.599	40	24	0	0	74.32
Stage B	-6	118.419	51.089	UL-RL	0.217	4.599	40	25	0	0	76.089

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)
Stage B	-6.1	119.914	51.795	UL-RL	0.217	4.599	40	26	0	0	77.795
Stage B	-6.2	121.522	52.558	UL-RL	0.217	4.599	40	27	0	0	79.558
Stage B	-6.3	123.013	53.262	UL-RL	0.217	4.599	40	28	0	0	81.262
Stage B	-6.4	124.502	53.966	UL-RL	0.217	4.599	40	29	0	0	82.966
Stage B	-6.5	126.101	54.726	UL-RL	0.217	4.599	40	30	0	0	84.726
Stage B	-6.6	127.587	55.432	UL-RL	0.217	4.599	40	31	0	0	86.432
Stage B	-6.7	129.179	56.192	UL-RL	0.217	4.599	40	32	0	0	88.192
Stage B	-6.8	130.662	56.899	UL-RL	0.217	4.599	40	33	0	0	89.899
Stage B	-6.9	132.145	57.608	UL-RL	0.217	4.599	40	34	0	0	91.608
Stage B	-7	133.729	58.369	UL-RL	0.217	4.599	40	35	0	0	93.369
Stage B	-7.1	135.208	59.08	UL-RL	0.217	4.599	40	36	0	0	95.08
Stage B	-7.2	136.787	59.842	UL-RL	0.217	4.599	40	37	0	0	96.841
Stage B	-7.3	138.264	60.554	UL-RL	0.217	4.599	40	38	0	0	98.554
Stage B	-7.4	139.741	61.268	UL-RL	0.217	4.599	40	39	0	0	100.268
Stage B	-7.5	141.312	62.03	UL-RL	0.217	4.599	40	40	0	0	102.03
Stage B	-7.6	142.787	62.745	UL-RL	0.217	4.599	40	41	0	0	103.745
Stage B	-7.7	144.26	63.461	UL-RL	0.217	4.599	40	42	0	0	105.461
Stage B	-7.8	145.826	64.223	UL-RL	0.217	4.599	40	43	0	0	107.223
Stage B	-7.9	147.298	64.939	UL-RL	0.217	4.599	40	44	0	0	108.939
Stage B	-8	148.859	65.7	UL-RL	0.217	4.599	40	45	0	0	110.7
Stage B	-8.1	150.329	66.417	UL-RL	0.217	4.599	40	46	0	0	112.417
Stage B	-8.2	151.798	67.134	UL-RL	0.217	4.599	40	47	0	0	114.134
Stage B	-8.3	153.354	67.895	UL-RL	0.217	4.599	40	48	0	0	115.894
Stage B	-8.4	154.822	68.612	UL-RL	0.217	4.599	40	49	0	0	117.612
Stage B	-8.5	156.374	69.373	UL-RL	0.217	4.599	40	50	0	0	119.373
Stage B	-8.6	157.84	70.091	UL-RL	0.217	4.599	40	51	0	0	121.091
Stage B	-8.7	159.307	70.811	UL-RL	0.217	4.599	40	52	0	0	122.811
Stage B	-8.8	160.854	71.572	UL-RL	0.217	4.599	40	53	0	0	124.572
Stage B	-8.9	162.319	72.294	UL-RL	0.217	4.599	40	54	0	0	126.294
Stage B	-9	163.863	73.056	UL-RL	0.217	4.599	40	55	0	0	128.056
Stage B	-9.1	165.326	73.78	UL-RL	0.217	4.599	40	56	0	0	129.78
Stage B	-9.2	166.79	74.505	UL-RL	0.217	4.599	40	57	0	0	131.505
Stage B	-9.3	168.33	75.271	UL-RL	0.217	4.599	40	58	0	0	133.271
Stage B	-9.4	169.792	75.999	UL-RL	0.217	4.599	40	59	0	0	134.998
Stage B	-9.5	171.254	76.728	UL-RL	0.217	4.599	40	60	0	0	136.728
Stage B	-9.6	172.64	77.421	UL-RL	0.217	4.599	40	61	0	0	138.421
Stage B	-9.7	174.028	78.115	UL-RL	0.217	4.599	40	62	0	0	140.115
Stage B	-9.8	175.416	78.811	UL-RL	0.217	4.599	40	63	0	0	141.811
Stage B	-9.9	176.805	79.507	UL-RL	0.217	4.599	40	64	0	0	143.507
Stage B	-10	178.195	80.204	UL-RL	0.217	4.599	40	65	0	0	145.204

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)
Stage B	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.5	0	0	ACTIVE	0.32	3.1	0	0	0	0	0
Stage B	-1.6	1.9	0.608	ACTIVE	0.32	3.1	0	0	0	0	0.608
Stage B	-1.7	3.8	1.216	ACTIVE	0.32	3.1	0	0	0	0	1.216
Stage B	-1.8	5.7	1.824	ACTIVE	0.32	3.1	0	0	0	0	1.824
Stage B	-1.9	7.6	2.432	ACTIVE	0.32	3.1	0	0	0	0	2.432
Stage B	-2	9.5	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage B	-2.1	11.95	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage B	-2.2	14.4	0.059	UL-RL	0.217	4.599	40	0	0	0	0.059
Stage B	-2.3	16.85	5.03	UL-RL	0.217	4.599	40	0	0	0	5.03
Stage B	-2.4	19.3	9.316	UL-RL	0.217	4.599	40	0	0	0	9.316
Stage B	-2.5	21.75	12.731	UL-RL	0.217	4.599	40	0	0	0	12.731
Stage B	-2.6	24.2	15.846	UL-RL	0.217	4.599	40	0	0	0	15.846
Stage B	-2.7	26.65	18.673	UL-RL	0.217	4.599	40	0	0	0	18.673
Stage B	-2.8	29.1	21.229	UL-RL	0.217	4.599	40	0	0	0	21.229
Stage B	-2.9	31.55	23.535	UL-RL	0.217	4.599	40	0	0	0	23.535
Stage B	-3	34	25.618	UL-RL	0.217	4.599	40	0	0	0	25.618
Stage B	-3.1	36.45	27.505	UL-RL	0.217	4.599	40	0	0	0	27.505
Stage B	-3.2	38.9	29.223	UL-RL	0.217	4.599	40	0	0	0	29.223
Stage B	-3.3	41.35	30.798	UL-RL	0.217	4.599	40	0	0	0	30.798
Stage B	-3.4	43.8	32.255	UL-RL	0.217	4.599	40	0	0	0	32.255
Stage B	-3.5	46.25	33.617	UL-RL	0.217	4.599	40	0	0	0	33.617
Stage B	-3.6	47.7	34.39	UL-RL	0.217	4.599	40	1	0	0	35.39
Stage B	-3.7	49.15	35.108	UL-RL	0.217	4.599	40	2	0	0	37.108
Stage B	-3.8	50.6	35.786	UL-RL	0.217	4.599	40	3	0	0	38.786
Stage B	-3.9	52.05	36.437	UL-RL	0.217	4.599	40	4	0	0	40.437
Stage B	-4	53.5	37.071	UL-RL	0.217	4.599	40	5	0	0	42.071
Stage B	-4.1	54.95	37.696	UL-RL	0.217	4.599	40	6	0	0	43.696
Stage B	-4.2	56.4	38.32	UL-RL	0.217	4.599	40	7	0	0	45.319
Stage B	-4.3	57.85	38.946	UL-RL	0.217	4.599	40	8	0	0	46.946
Stage B	-4.4	59.3	39.579	UL-RL	0.217	4.599	40	9	0	0	48.579
Stage B	-4.5	60.75	40.222	UL-RL	0.217	4.599	40	10	0	0	50.222
Stage B	-4.6	62.2	40.875	UL-RL	0.217	4.599	40	11	0	0	51.875
Stage B	-4.7	63.65	41.539	UL-RL	0.217	4.599	40	12	0	0	53.539
Stage B	-4.8	65.1	42.214	UL-RL	0.217	4.599	40	13	0	0	55.214
Stage B	-4.9	66.55	42.901	UL-RL	0.217	4.599	40	14	0	0	56.901
Stage B	-5	68	43.598	UL-RL	0.217	4.599	40	15	0	0	58.597
Stage B	-5.1	69.45	44.303	UL-RL	0.217	4.599	40	16	0	0	60.303
Stage B	-5.2	70.9	45.018	UL-RL	0.217	4.599	40	17	0	0	62.018
Stage B	-5.3	72.35	45.739	UL-RL	0.217	4.599	40	18	0	0	63.739
Stage B	-5.4	73.8	46.466	UL-RL	0.217	4.599	40	19	0	0	65.466
Stage B	-5.5	75.25	47.199	UL-RL	0.217	4.599	40	20	0	0	67.199
Stage B	-5.6	76.7	47.935	UL-RL	0.217	4.599	40	21	0	0	68.935
Stage B	-5.7	78.15	48.674	UL-RL	0.217	4.599	40	22	0	0	70.674
Stage B	-5.8	79.6	49.416	UL-RL	0.217	4.599	40	23	0	0	72.416
Stage B	-5.9	81.05	50.16	UL-RL	0.217	4.599	40	24	0	0	74.16
Stage B	-6	82.5	50.904	UL-RL	0.217	4.599	40	25	0	0	75.904
Stage B	-6.1	83.95	51.649	UL-RL	0.217	4.599	40	26	0	0	77.649
Stage B	-6.2	85.4	52.394	UL-RL	0.217	4.599	40	27	0	0	79.394

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)
Stage B	-6.3	86.85	53.139	UL-RL	0.217	4.599	40	28	0	0	81.139
Stage B	-6.4	88.3	53.884	UL-RL	0.217	4.599	40	29	0	0	82.883
Stage B	-6.5	89.75	54.627	UL-RL	0.217	4.599	40	30	0	0	84.627
Stage B	-6.6	91.2	55.371	UL-RL	0.217	4.599	40	31	0	0	86.371
Stage B	-6.7	92.65	56.113	UL-RL	0.217	4.599	40	32	0	0	88.113
Stage B	-6.8	94.1	56.855	UL-RL	0.217	4.599	40	33	0	0	89.854
Stage B	-6.9	95.55	57.595	UL-RL	0.217	4.599	40	34	0	0	91.595
Stage B	-7	97	58.335	UL-RL	0.217	4.599	40	35	0	0	93.335
Stage B	-7.1	98.45	59.074	UL-RL	0.217	4.599	40	36	0	0	95.074
Stage B	-7.2	99.9	59.813	UL-RL	0.217	4.599	40	37	0	0	96.812
Stage B	-7.3	101.35	60.55	UL-RL	0.217	4.599	40	38	0	0	98.55
Stage B	-7.4	102.8	61.287	UL-RL	0.217	4.599	40	39	0	0	100.287
Stage B	-7.5	104.25	62.024	UL-RL	0.217	4.599	40	40	0	0	102.024
Stage B	-7.6	105.7	62.76	UL-RL	0.217	4.599	40	41	0	0	103.76
Stage B	-7.7	107.15	63.495	UL-RL	0.217	4.599	40	42	0	0	105.495
Stage B	-7.8	108.6	64.23	UL-RL	0.217	4.599	40	43	0	0	107.23
Stage B	-7.9	110.05	64.965	UL-RL	0.217	4.599	40	44	0	0	108.965
Stage B	-8	111.5	65.699	UL-RL	0.217	4.599	40	45	0	0	110.699
Stage B	-8.1	112.95	66.433	UL-RL	0.217	4.599	40	46	0	0	112.433
Stage B	-8.2	114.4	67.167	UL-RL	0.217	4.599	40	47	0	0	114.167
Stage B	-8.3	115.85	67.901	UL-RL	0.217	4.599	40	48	0	0	115.901
Stage B	-8.4	117.3	68.634	UL-RL	0.217	4.599	40	49	0	0	117.634
Stage B	-8.5	118.75	69.367	UL-RL	0.217	4.599	40	50	0	0	119.367
Stage B	-8.6	120.2	70.099	UL-RL	0.217	4.599	40	51	0	0	121.099
Stage B	-8.7	121.65	70.832	UL-RL	0.217	4.599	40	52	0	0	122.832
Stage B	-8.8	123.1	71.563	UL-RL	0.217	4.599	40	53	0	0	124.563
Stage B	-8.9	124.55	72.295	UL-RL	0.217	4.599	40	54	0	0	126.295
Stage B	-9	126	73.026	UL-RL	0.217	4.599	40	55	0	0	128.026
Stage B	-9.1	127.45	73.756	UL-RL	0.217	4.599	40	56	0	0	129.756
Stage B	-9.2	128.9	74.486	UL-RL	0.217	4.599	40	57	0	0	131.486
Stage B	-9.3	130.35	75.215	UL-RL	0.217	4.599	40	58	0	0	133.215
Stage B	-9.4	131.8	75.944	UL-RL	0.217	4.599	40	59	0	0	134.944
Stage B	-9.5	133.25	76.673	UL-RL	0.217	4.599	40	60	0	0	136.673
Stage B	-9.6	134.7	77.401	UL-RL	0.217	4.599	40	61	0	0	138.401
Stage B	-9.7	136.15	78.128	UL-RL	0.217	4.599	40	62	0	0	140.128
Stage B	-9.8	137.6	78.856	UL-RL	0.217	4.599	40	63	0	0	141.856
Stage B	-9.9	139.05	79.583	UL-RL	0.217	4.599	40	64	0	0	143.583
Stage B	-10	140.5	80.31	UL-RL	0.217	4.599	40	65	0	0	145.31

Tabella Risultati Terreno Left Wall - Nominal - Stage 3-

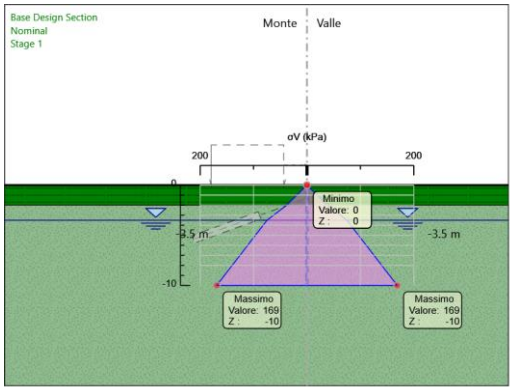
Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	0	0	0	PASSIVE	0.32	3.1	0	0	0	0	0
Stage 3-	-0.1	1.9	5.891	PASSIVE	0.32	3.1	0	0	0	0	5.891
Stage 3-	-0.2	3.803	11.788	PASSIVE	0.32	3.1	0	0	0	0	11.788
Stage 3-	-0.3	5.709	17.698	PASSIVE	0.32	3.1	0	0	0	0	17.698
Stage 3-	-0.4	7.621	23.626	PASSIVE	0.32	3.1	0	0	0	0	23.626
Stage 3-	-0.5	9.541	29.576	PASSIVE	0.32	3.1	0	0	0	0	29.576
Stage 3-	-0.6	11.469	35.552	PASSIVE	0.32	3.1	0	0	0	0	35.552
Stage 3-	-0.7	13.406	41.558	PASSIVE	0.32	3.1	0	0	0	0	41.558
Stage 3-	-0.8	15.353	47.595	PASSIVE	0.32	3.1	0	0	0	0	47.595
Stage 3-	-0.9	17.311	53.663	PASSIVE	0.32	3.1	0	0	0	0	53.663
Stage 3-	-1	19.278	53.191	V-C	0.32	3.1	0	0	0	0	53.191
Stage 3-	-1.1	21.256	51.913	V-C	0.32	3.1	0	0	0	0	51.913
Stage 3-	-1.2	23.242	50.371	V-C	0.32	3.1	0	0	0	0	50.371
Stage 3-	-1.3	25.237	48.491	V-C	0.32	3.1	0	0	0	0	48.491
Stage 3-	-1.4	27.24	46.222	V-C	0.32	3.1	0	0	0	0	46.222
Stage 3-	-1.5	29.25	43.643	V-C	0.32	3.1	0	0	0	0	43.643
Stage 3-	-1.6	31.265	40.858	V-C	0.32	3.1	0	0	0	0	40.858
Stage 3-	-1.7	33.286	37.924	UL-RL	0.32	3.1	0	0	0	0	37.924
Stage 3-	-1.8	35.31	34.726	UL-RL	0.32	3.1	0	0	0	0	34.726
Stage 3-	-1.9	37.337	31.584	UL-RL	0.32	3.1	0	0	0	0	31.584
Stage 3-	-2	39.367	51.963	UL-RL	0.217	4.599	40	0	0	0	51.963
Stage 3-	-2.1	41.948	40.324	UL-RL	0.217	4.599	40	0	0	0	40.324
Stage 3-	-2.2	44.529	29.447	UL-RL	0.217	4.599	40	0	0	0	29.447
Stage 3-	-2.3	47.111	19.423	UL-RL	0.217	4.599	40	0	0	0	19.423
Stage 3-	-2.4	49.692	13.753	UL-RL	0.217	4.599	40	0	0	0	13.753
Stage 3-	-2.5	52.272	9.111	UL-RL	0.217	4.599	40	0	0	0	9.111
Stage 3-	-2.6	54.85	4.832	UL-RL	0.217	4.599	40	0	0	0	4.832
Stage 3-	-2.7	57.427	0.849	UL-RL	0.217	4.599	40	0	0	0	0.849
Stage 3-	-2.8	60.001	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-2.9	62.573	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3	65.143	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.1	67.9	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.2	70.524	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.3	73.141	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.4	75.96	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.5	78.558	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.6	80.508	0	ACTIVE	0.217	4.599	40	0.839	0.161	0	0.839
Stage 3-	-3.7	82.25	0	ACTIVE	0.217	4.599	40	1.679	0.161	0	1.679
Stage 3-	-3.8	83.988	0	ACTIVE	0.217	4.599	40	2.518	0.161	0	2.518
Stage 3-	-3.9	85.903	0	ACTIVE	0.217	4.599	40	3.357	0.161	0	3.357
Stage 3-	-4	87.627	0	ACTIVE	0.217	4.599	40	4.196	0.161	0	4.196
Stage 3-	-4.1	89.346	0	ACTIVE	0.217	4.599	40	5.036	0.161	0	5.036
Stage 3-	-4.2	91.233	0	ACTIVE	0.217	4.599	40	5.875	0.161	0	5.875
Stage 3-	-4.3	92.941	0	ACTIVE	0.217	4.599	40	6.714	0.161	0	6.714
Stage 3-	-4.4	94.809	0	ACTIVE	0.217	4.599	40	7.554	0.161	0	7.554
Stage 3-	-4.5	96.508	0	ACTIVE	0.217	4.599	40	8.393	0.161	0	8.393
Stage 3-	-4.6	98.204	0	ACTIVE	0.217	4.599	40	9.232	0.161	0	9.232
Stage 3-	-4.7	100.05	0	ACTIVE	0.217	4.599	40	10.071	0.161	0	10.071
Stage 3-	-4.8	101.738	0	ACTIVE	0.217	4.599	40	10.911	0.161	0	10.911
Stage 3-	-4.9	103.569	0	ACTIVE	0.217	4.599	40	11.75	0.161	0	11.75
Stage 3-	-5	105.25	0	ACTIVE	0.217	4.599	40	12.589	0.161	0	12.589
Stage 3-	-5.1	106.928	0	ACTIVE	0.217	4.599	40	13.429	0.161	0	13.429
Stage 3-	-5.2	108.743	0	ACTIVE	0.217	4.599	40	14.268	0.161	0	14.268
Stage 3-	-5.3	110.415	0	ACTIVE	0.217	4.599	40	15.107	0.161	0	15.107
Stage 3-	-5.4	112.218	0	ACTIVE	0.217	4.599	40	15.946	0.161	0	15.946
Stage 3-	-5.5	113.885	0.532	UL-RL	0.217	4.599	40	16.786	0.161	0	17.318
Stage 3-	-5.6	115.55	3.283	UL-RL	0.217	4.599	40	17.625	0.161	0	20.908
Stage 3-	-5.7	117.34	6.059	UL-RL	0.217	4.599	40	18.464	0.161	0	24.523
Stage 3-	-5.8	119	8.707	UL-RL	0.217	4.599	40	19.304	0.161	0	28.01
Stage 3-	-5.9	120.66	11.273	UL-RL	0.217	4.599	40	20.143	0.161	0	31.416
Stage 3-	-6	122.437	13.804	UL-RL	0.217	4.599	40	20.982	0.161	0	34.786

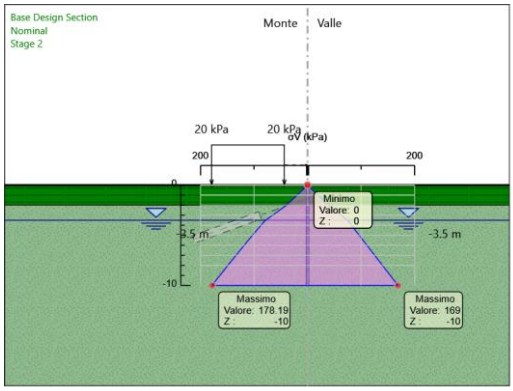
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	-6.1	124.092	16.169	UL-RL	0.217	4.599	40	21.821	0.161	0	37.991
Stage 3-	-6.2	125.862	18.482	UL-RL	0.217	4.599	40	22.661	0.161	0	41.143
Stage 3-	-6.3	127.513	20.624	UL-RL	0.217	4.599	40	23.5	0.161	0	44.124
Stage 3-	-6.4	129.163	22.652	UL-RL	0.217	4.599	40	24.339	0.161	0	46.992
Stage 3-	-6.5	130.923	24.626	UL-RL	0.217	4.599	40	25.179	0.161	0	49.804
Stage 3-	-6.6	132.569	26.436	UL-RL	0.217	4.599	40	26.018	0.161	0	52.454
Stage 3-	-6.7	134.322	28.199	UL-RL	0.217	4.599	40	26.857	0.161	0	55.056
Stage 3-	-6.8	135.966	29.813	UL-RL	0.217	4.599	40	27.696	0.161	0	57.509
Stage 3-	-6.9	137.609	31.338	UL-RL	0.217	4.599	40	28.536	0.161	0	59.873
Stage 3-	-7	139.354	32.832	UL-RL	0.217	4.599	40	29.375	0.161	0	62.207
Stage 3-	-7.1	140.994	34.201	UL-RL	0.217	4.599	40	30.214	0.161	0	64.416
Stage 3-	-7.2	142.733	35.554	UL-RL	0.217	4.599	40	31.054	0.161	0	66.607
Stage 3-	-7.3	144.371	36.796	UL-RL	0.217	4.599	40	31.893	0.161	0	68.689
Stage 3-	-7.4	146.008	37.987	UL-RL	0.217	4.599	40	32.732	0.161	0	70.719
Stage 3-	-7.5	147.741	39.179	UL-RL	0.217	4.599	40	33.571	0.161	0	72.75
Stage 3-	-7.6	149.376	40.283	UL-RL	0.217	4.599	40	34.411	0.161	0	74.694
Stage 3-	-7.7	151.01	41.354	UL-RL	0.217	4.599	40	35.25	0.161	0	76.604
Stage 3-	-7.8	152.736	42.442	UL-RL	0.217	4.599	40	36.089	0.161	0	78.531
Stage 3-	-7.9	154.369	43.46	UL-RL	0.217	4.599	40	36.929	0.161	0	80.388
Stage 3-	-8	156.091	44.503	UL-RL	0.217	4.599	40	37.768	0.161	0	82.27
Stage 3-	-8.1	157.722	45.485	UL-RL	0.217	4.599	40	38.607	0.161	0	84.092
Stage 3-	-8.2	159.352	46.455	UL-RL	0.217	4.599	40	39.446	0.161	0	85.901
Stage 3-	-8.3	161.068	47.459	UL-RL	0.217	4.599	40	40.286	0.161	0	87.744
Stage 3-	-8.4	162.697	48.412	UL-RL	0.217	4.599	40	41.125	0.161	0	89.537
Stage 3-	-8.5	164.41	49.403	UL-RL	0.217	4.599	40	41.964	0.161	0	91.367
Stage 3-	-8.6	166.037	50.348	UL-RL	0.217	4.599	40	42.804	0.161	0	93.152
Stage 3-	-8.7	167.664	51.293	UL-RL	0.217	4.599	40	43.643	0.161	0	94.935
Stage 3-	-8.8	169.372	52.277	UL-RL	0.217	4.599	40	44.482	0.161	0	96.759
Stage 3-	-8.9	170.997	53.222	UL-RL	0.217	4.599	40	45.321	0.161	0	98.543
Stage 3-	-9	172.702	54.207	UL-RL	0.217	4.599	40	46.161	0.161	0	100.368
Stage 3-	-9.1	174.326	55.154	UL-RL	0.217	4.599	40	47	0.161	0	102.154
Stage 3-	-9.2	175.95	56.104	UL-RL	0.217	4.599	40	47.839	0.161	0	103.943
Stage 3-	-9.3	177.651	57.095	UL-RL	0.217	4.599	40	48.679	0.161	0	105.773
Stage 3-	-9.4	179.274	58.049	UL-RL	0.217	4.599	40	49.518	0.161	0	107.567
Stage 3-	-9.5	180.897	59.005	UL-RL	0.217	4.599	40	50.357	0.161	0	109.362
Stage 3-	-9.6	182.444	59.926	UL-RL	0.217	4.599	40	51.196	0.161	0	111.122
Stage 3-	-9.7	183.992	60.848	UL-RL	0.217	4.599	40	52.036	0.161	0	112.884
Stage 3-	-9.8	185.541	61.772	UL-RL	0.217	4.599	40	52.875	0.161	0	114.647
Stage 3-	-9.9	187.091	62.697	UL-RL	0.217	4.599	40	53.714	0.161	0	116.411
Stage 3-	-10	188.641	63.622	UL-RL	0.217	4.599	40	54.554	0.161	0	118.176

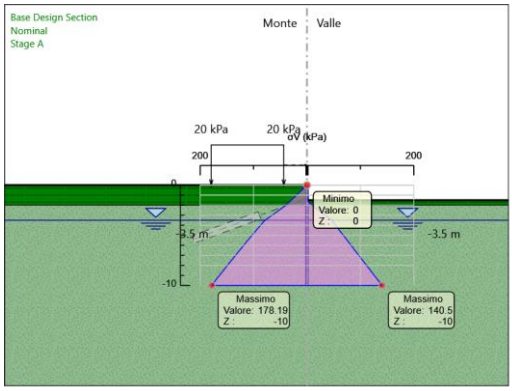
Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.4	1.289	32.074	UL-RL	0.217	4.599	40	1.161	0.161	0	33.235
Stage 3-	-5.5	2.579	33.611	UL-RL	0.217	4.599	40	2.321	0.161	0	35.933
Stage 3-	-5.6	3.868	34.624	UL-RL	0.217	4.599	40	3.482	0.161	0	38.106
Stage 3-	-5.7	5.157	35.387	UL-RL	0.217	4.599	40	4.643	0.161	0	40.03
Stage 3-	-5.8	6.446	36.012	UL-RL	0.217	4.599	40	5.804	0.161	0	41.816
Stage 3-	-5.9	7.736	36.558	UL-RL	0.217	4.599	40	6.964	0.161	0	43.522
Stage 3-	-6	9.025	37.061	UL-RL	0.217	4.599	40	8.125	0.161	0	45.186
Stage 3-	-6.1	10.314	37.545	UL-RL	0.217	4.599	40	9.286	0.161	0	46.831
Stage 3-	-6.2	11.604	38.027	UL-RL	0.217	4.599	40	10.446	0.161	0	48.473

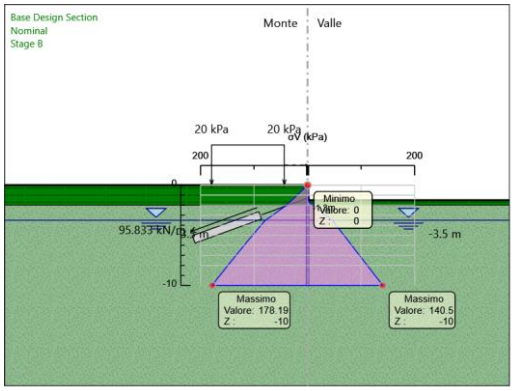
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	-6.3	12.893	38.516	UL-RL	0.217	4.599	40	11.607	0.161	0	50.124
Stage 3-	-6.4	14.182	39.021	UL-RL	0.217	4.599	40	12.768	0.161	0	51.789
Stage 3-	-6.5	15.471	39.545	UL-RL	0.217	4.599	40	13.929	0.161	0	53.474
Stage 3-	-6.6	16.761	40.092	UL-RL	0.217	4.599	40	15.089	0.161	0	55.181
Stage 3-	-6.7	18.05	40.662	UL-RL	0.217	4.599	40	16.25	0.161	0	56.911
Stage 3-	-6.8	19.339	41.255	UL-RL	0.217	4.599	40	17.411	0.161	0	58.665
Stage 3-	-6.9	20.629	41.87	UL-RL	0.217	4.599	40	18.571	0.161	0	60.442
Stage 3-	-7	21.918	42.507	UL-RL	0.217	4.599	40	19.732	0.161	0	62.239
Stage 3-	-7.1	23.207	43.164	UL-RL	0.217	4.599	40	20.893	0.161	0	64.057
Stage 3-	-7.2	24.496	43.838	UL-RL	0.217	4.599	40	22.054	0.161	0	65.891
Stage 3-	-7.3	25.786	44.527	UL-RL	0.217	4.599	40	23.214	0.161	0	67.742
Stage 3-	-7.4	27.075	45.23	UL-RL	0.217	4.599	40	24.375	0.161	0	69.605
Stage 3-	-7.5	28.364	45.944	UL-RL	0.217	4.599	40	25.536	0.161	0	71.48
Stage 3-	-7.6	29.654	46.667	UL-RL	0.217	4.599	40	26.696	0.161	0	73.363
Stage 3-	-7.7	30.943	47.397	UL-RL	0.217	4.599	40	27.857	0.161	0	75.254
Stage 3-	-7.8	32.232	48.133	UL-RL	0.217	4.599	40	29.018	0.161	0	77.151
Stage 3-	-7.9	33.521	48.873	UL-RL	0.217	4.599	40	30.178	0.161	0	79.051
Stage 3-	-8	34.811	49.614	UL-RL	0.217	4.599	40	31.339	0.161	0	80.954
Stage 3-	-8.1	36.1	50.357	UL-RL	0.217	4.599	40	32.5	0.161	0	82.857
Stage 3-	-8.2	37.389	51.1	UL-RL	0.217	4.599	40	33.661	0.161	0	84.761
Stage 3-	-8.3	38.679	51.842	UL-RL	0.217	4.599	40	34.821	0.161	0	86.663
Stage 3-	-8.4	39.968	52.582	UL-RL	0.217	4.599	40	35.982	0.161	0	88.564
Stage 3-	-8.5	41.257	53.319	UL-RL	0.217	4.599	40	37.143	0.161	0	90.462
Stage 3-	-8.6	42.546	54.053	UL-RL	0.217	4.599	40	38.304	0.161	0	92.357
Stage 3-	-8.7	43.836	54.784	UL-RL	0.217	4.599	40	39.464	0.161	0	94.248
Stage 3-	-8.8	45.125	55.511	UL-RL	0.217	4.599	40	40.625	0.161	0	96.136
Stage 3-	-8.9	46.414	56.234	UL-RL	0.217	4.599	40	41.786	0.161	0	98.02
Stage 3-	-9	47.704	56.954	UL-RL	0.217	4.599	40	42.946	0.161	0	99.9
Stage 3-	-9.1	48.993	57.669	UL-RL	0.217	4.599	40	44.107	0.161	0	101.776
Stage 3-	-9.2	50.282	58.38	UL-RL	0.217	4.599	40	45.268	0.161	0	103.648
Stage 3-	-9.3	51.571	59.088	UL-RL	0.217	4.599	40	46.429	0.161	0	105.516
Stage 3-	-9.4	52.861	59.791	UL-RL	0.217	4.599	40	47.589	0.161	0	107.381
Stage 3-	-9.5	54.15	60.492	UL-RL	0.217	4.599	40	48.75	0.161	0	109.242
Stage 3-	-9.6	55.439	61.189	UL-RL	0.217	4.599	40	49.911	0.161	0	111.1
Stage 3-	-9.7	56.729	61.883	UL-RL	0.217	4.599	40	51.071	0.161	0	112.954
Stage 3-	-9.8	58.018	62.575	UL-RL	0.217	4.599	40	52.232	0.161	0	114.807
Stage 3-	-9.9	59.307	63.264	UL-RL	0.217	4.599	40	53.393	0.161	0	116.656
Stage 3-	-10	60.596	63.951	UL-RL	0.217	4.599	40	54.554	0.161	0	118.504

Grafico Risultati Terreno Sigma V









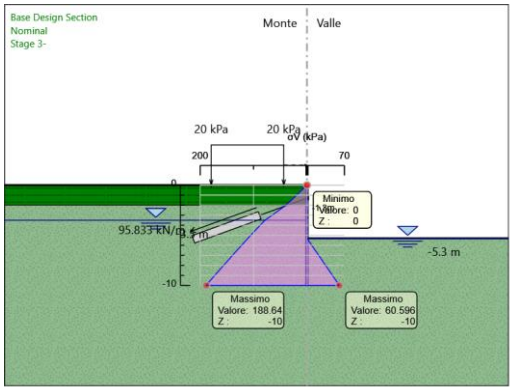
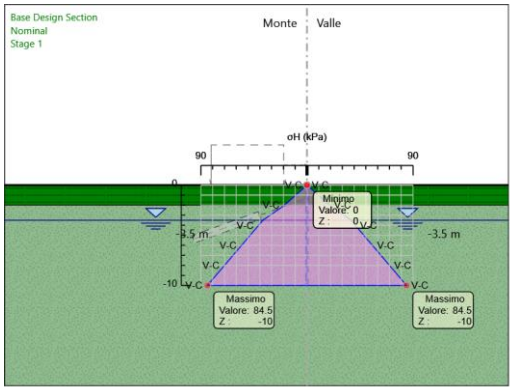
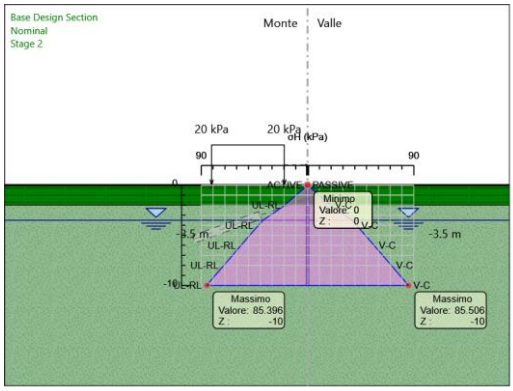
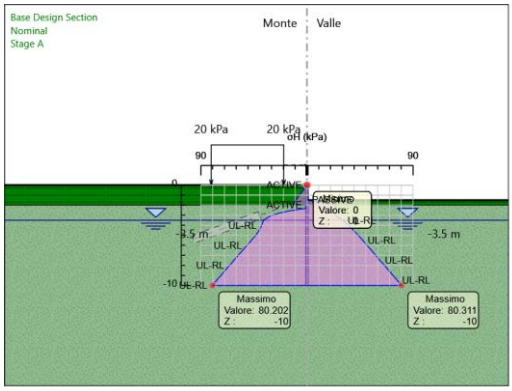
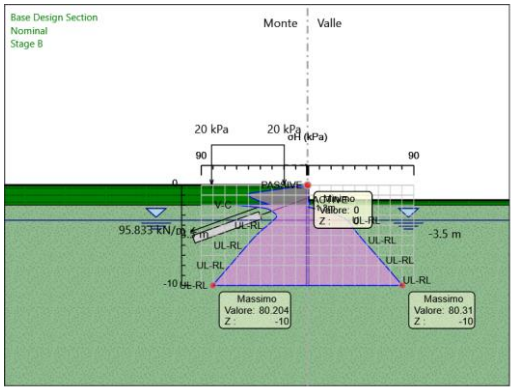


Grafico Risultati Terreno Sigma H









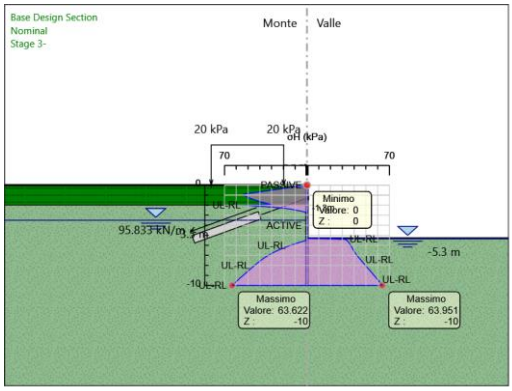
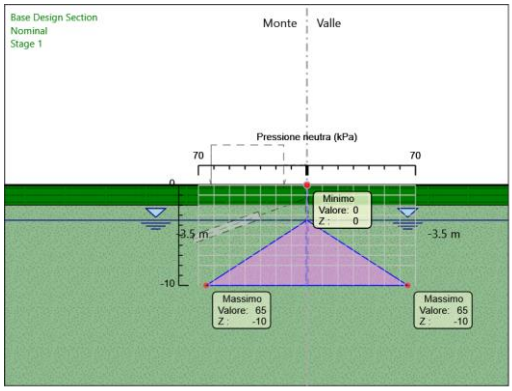
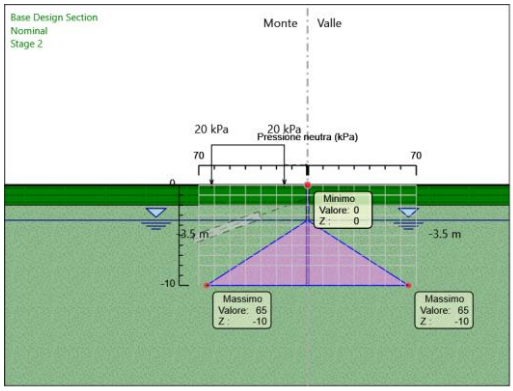
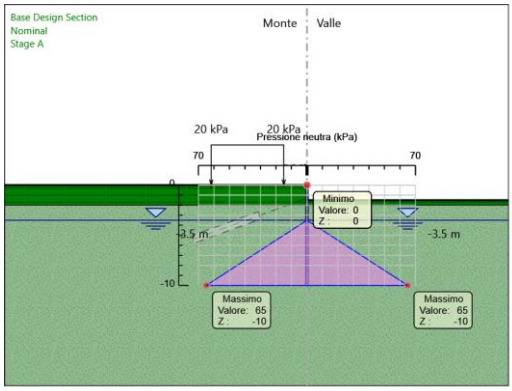
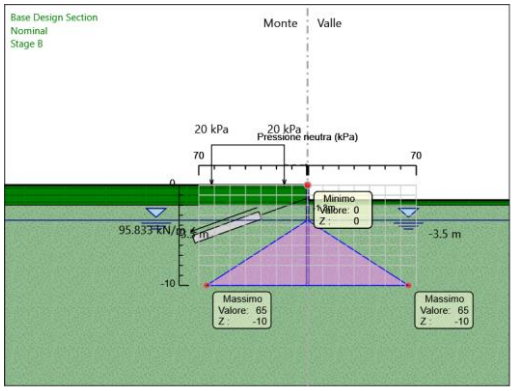


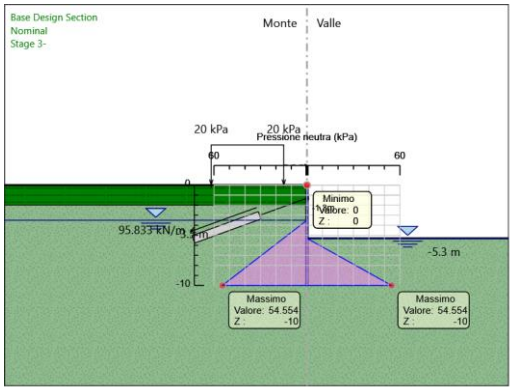
Grafico Risultati Terreno Pore











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
Stage 1	457.4	211.2	668.6	11.6	5533.9	8.27%	39.43
Stage 2	463.2	211.2	674.4	12.1	5781.2	8.01%	38.28
Stage A	409.5	211.2	620.7	12.1	5781.2	7.08%	33.84
Stage B	485.4	211.2	696.6	12.1	5781.2	8.4%	40.12
Stage 3-	262.7	177.3	440	13.8	5937.3	4.42%	19.04

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
Stage 1	457.4	211.2	668.6	11.6	5533.9	8.27%	39.43
Stage 2	463.2	211.2	674.4	11.6	5533.9	8.37%	39.93
Stage A	409.5	211.2	620.7	0.6	4372.8	9.36%	682.5
Stage B	395.3	211.2	606.6	0.6	4372.8	9.04%	658.83
Stage 3-	222.1	128.2	350.3	0	1452.7	15.29%	∞

Descrizione Coefficienti Design Assumption

Nome	Carichi Permanenti Sfavorevoli (F_dead_load_unfavour)	Carichi Permanenti Favorevoli (F_dead_load_favour)	Carichi Variabili Sfavorevoli (F_live_load_unfavour)	Carichi Variabili Favorevoli (F_live_load_favour)	Carico Sismico (F_seism_load)	Pressioni Acqua Lato Monte (F_WaterDR)	Pressioni Acqua Lato Valle (F_WaterRes)	Carichi Permanenti Destabilizzanti (F_UPL_GDStab)	Carichi Permanenti Stabilizzanti (F_UPL_GStab)	Carichi Variabili Destabilizzanti (F_UPL_QDStab)	Carichi Permanenti Destabilizzanti (F_HYD_GDStab)	Carichi Permanenti Stabilizzanti (F_HYD_GStab)	Carichi Variabili Destabilizzanti (F_HYD_QDStab)
Simbolo	**γG**	**γG**	**γQ**	**γQ**	**γQE**	**γG**	**γG**	**γGdst**	**γGstb**	**γQdst**	**γGdst**	**γGstb**	**γQdst**
Nominal	1	1	1	1	1	1	1	1	1	1	1	1	1
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	1	1	1	1	0	1	1	1	1	1	1	1	1
NTC2018: A1+M1+R1 (R3 per tiranti)	1.3	1	1.5	1	0	1.3	1	1	1	1	1.3	0.9	1
NTC2018: A2+M2+R1	1	1	1.3	1	0	1	1	1	1	1	1.3	0.9	1

Nome	Parziale su tan(ø') (F_Fr)	Parziale su c' (F_eff_cohe)	Parziale su Su (F_Su)	Parziale su qu (F_qu)	Parziale su peso specifico (F_gamma)
Simbolo	**γϕ**	**γc**	**γcu**	**γqu**	**γγ**
Nominal	1	1	1	1	1
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	1	1	1	1	1
NTC2018: A1+M1+R1 (R3 per tiranti)	1	1	1	1	1
NTC2018: A2+M2+R1	1.25	1.25	1.4	1	1

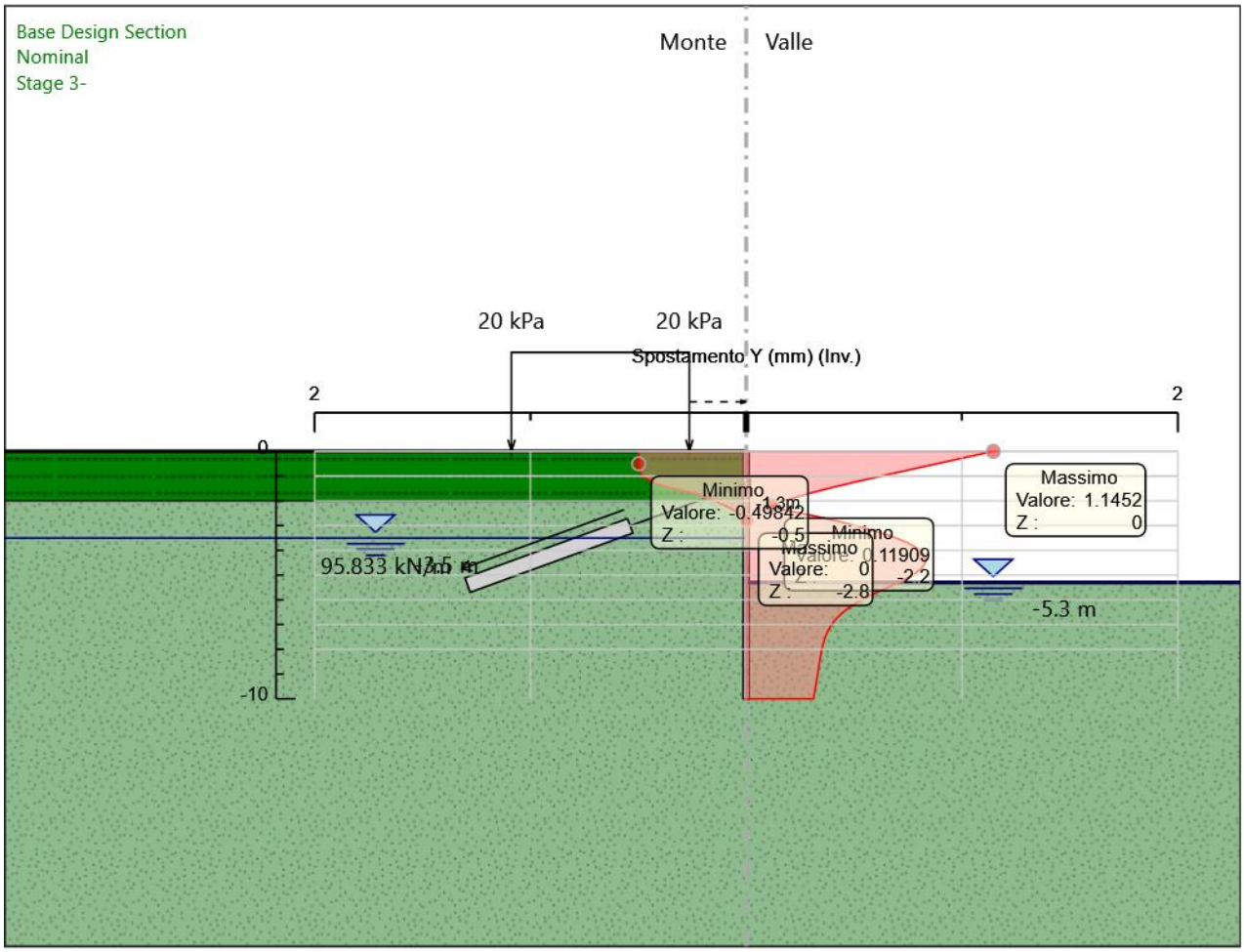
Nome	Parziale resistenza terreno (es. Kp) (F_Soil_Res_walls)	Parziale resistenza Tiranti permanenti (F_Anch_P)	Parziale resistenza Tiranti temporanei (F_Anch_T)	Parziale elementi strutturali (F_wall)
Simbolo	**γRe**	**γap**	**γat**	
Nominal	1	1	1	1
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	1	1	1	1
NTC2018: A1+M1+R1 (R3 per tiranti)	1	1.2	1.1	1
NTC2018: A2+M2+R1	1	1.2	1.1	1

Riepilogo Stage / Design Assumption per Inviluppo

Design Assumption	Stage 1	Stage 2	Stage A	Stage B	Stage 3-
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	V	V	V	V	V
NTC2018: A1+M1+R1 (R3 per tiranti)	V	V	V	V	V
NTC2018: A2+M2+R1	V	V	V	V	V

Descrizione sintetica dei risultati delle Design Assumption (Inviluppi)

Grafico Inviluppi Spostamento



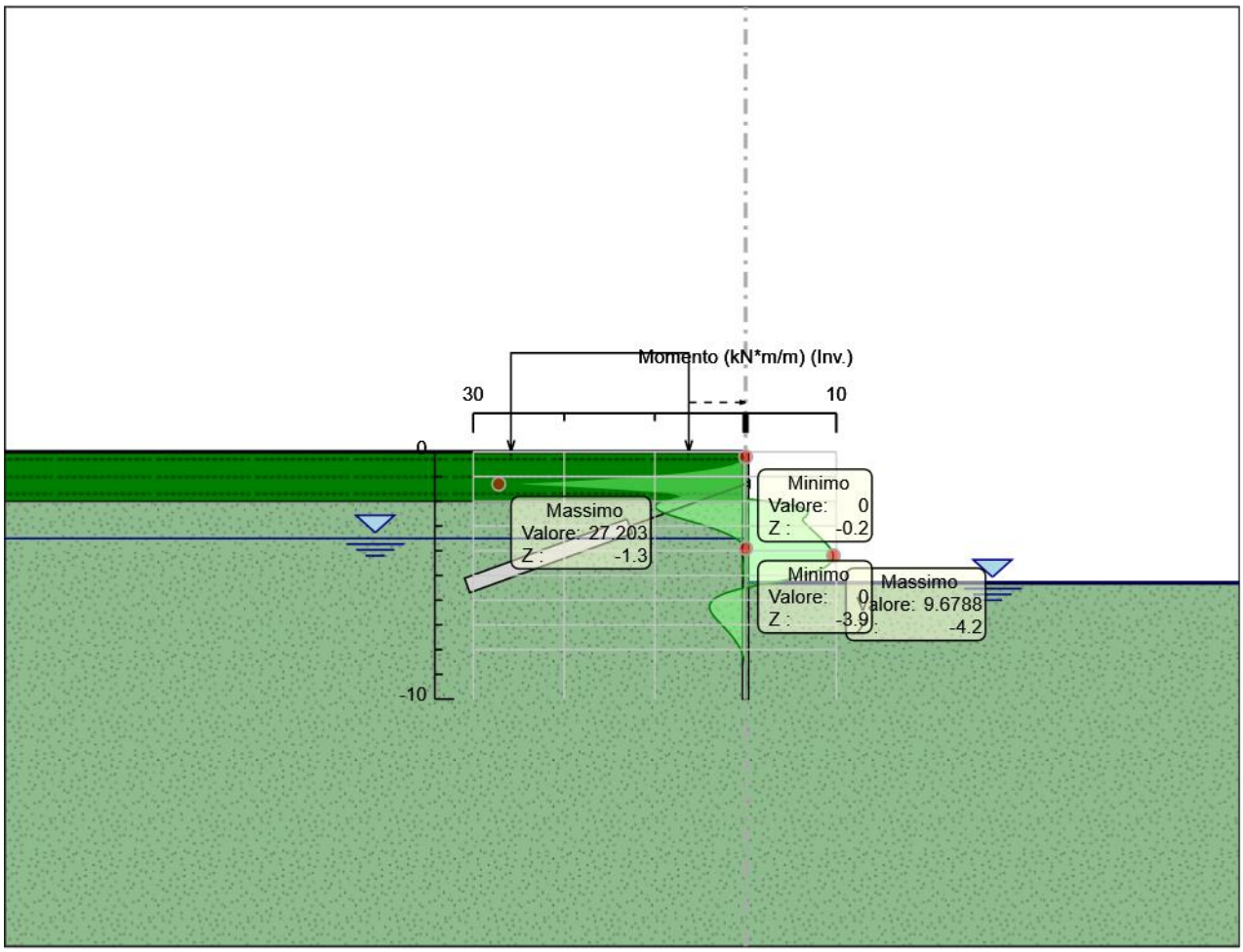
Spostamento

Tabella Inviluppi Momento paratia sx

Selected Design Assumptions	Inviluppi: Momento	Muro: paratia sx
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
0	0	0
-0.1	0	0
-0.2	0.077	0
-0.3	0.306	0
-0.4	0.766	0
-0.5	1.534	0
-0.6	2.686	0.001
-0.7	4.3	0.003
-0.8	6.456	0.006
-0.9	9.231	0.009
-1	12.705	0.013
-1.1	16.87	0.017
-1.2	21.709	0.022
-1.3	27.203	0.025
-1.4	21.661	0.028
-1.5	16.72	0.03
-1.6	12.345	0.03
-1.7	8.503	0.026
-1.8	7.468	0.02
-1.9	8.395	0.137
-2	9.255	2.354
-2.1	9.781	4.339
-2.2	9.983	5.664
-2.3	9.87	6.431
-2.4	9.447	6.799
-2.5	8.789	6.858
-2.6	7.979	6.676
-2.7	7.086	6.308
-2.8	6.161	6.309
-2.9	5.246	6.594
-3	4.371	6.878
-3.1	3.557	7.162
-3.2	2.819	7.447
-3.3	2.163	7.731
-3.4	1.593	8.015
-3.5	1.108	8.3
-3.6	0.704	8.584
-3.7	0.376	8.857
-3.8	0.116	9.109
-3.9	0	9.328
-4	0	9.503
-4.1	0	9.624
-4.2	0.094	9.679
-4.3	0.178	9.658
-4.4	0.234	9.549
-4.5	0.268	9.342
-4.6	0.283	9.027
-4.7	0.283	8.591
-4.8	0.272	8.024
-4.9	0.254	7.316
-5	0.231	6.454
-5.1	0.206	5.429
-5.2	0.178	4.23
-5.3	0.151	2.845
-5.4	0.125	1.263
-5.5	0.141	0.094
-5.6	1.206	0.07
-5.7	2.096	0.05
-5.8	2.786	0.033
-5.9	3.296	0.019

Selected Design Assumptions	Inviluppi: Momento	Muro: paratia sx
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-6	3.649	0.009
-6.1	3.867	0.008
-6.2	3.971	0.007
-6.3	3.979	0.007
-6.4	3.909	0.011
-6.5	3.777	0.014
-6.6	3.598	0.016
-6.7	3.383	0.017
-6.8	3.144	0.017
-6.9	2.89	0.017
-7	2.628	0.016
-7.1	2.367	0.015
-7.2	2.109	0.014
-7.3	1.862	0.013
-7.4	1.626	0.011
-7.5	1.405	0.01
-7.6	1.2	0.009
-7.7	1.013	0.008
-7.8	0.843	0.007
-7.9	0.691	0.006
-8	0.557	0.006
-8.1	0.439	0.006
-8.2	0.338	0.006
-8.3	0.251	0.006
-8.4	0.178	0.007
-8.5	0.118	0.008
-8.6	0.07	0.009
-8.7	0.033	0.01
-8.8	0.008	0.012
-8.9	0	0.019
-9	0	0.033
-9.1	0	0.041
-9.2	0	0.044
-9.3	0	0.044
-9.4	0	0.039
-9.5	0	0.033
-9.6	0	0.024
-9.7	0	0.016
-9.8	0	0.008
-9.9	0	0.002
-10	0	0

Grafico Inviluppi Momento



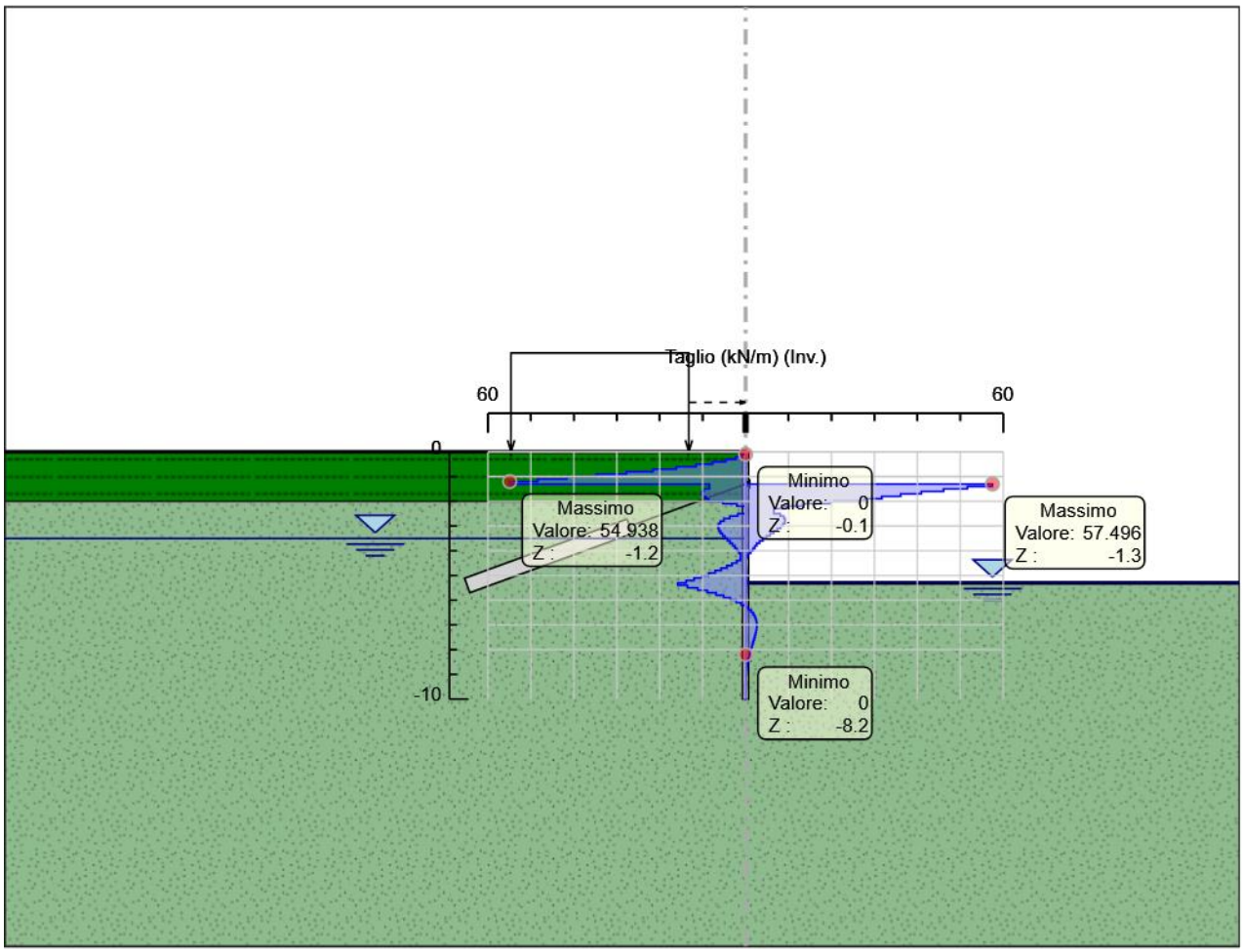
Momento

Tabella Inviluppi Taglio paratia sx

Selected Design Assumptions	Inviluppi: Taglio	Muro: paratia sx
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
0	0	0
-0.1	0.766	0
-0.2	2.299	0
-0.3	4.6	0.001
-0.4	7.673	0.005
-0.5	11.52	0.012
-0.6	16.146	0.019
-0.7	21.555	0.026
-0.8	27.752	0.033
-0.9	34.741	0.039
-1	41.65	0.042
-1.1	48.394	0.042
-1.2	54.938	0.042
-1.3	54.938	57.496
-1.4	8.437	57.496
-1.5	9.658	51.658
-1.6	10.199	46.094
-1.7	10.199	40.91
-1.8	10.058	36.119
-1.9	9.275	31.723
-2	8.598	27.713
-2.1	5.258	19.901
-2.2	2.024	13.25
-2.3	0.065	9.068
-2.4	0.044	6.579
-2.5	1.824	8.095
-2.6	3.673	8.938
-2.7	5.031	9.248
-2.8	5.887	9.248
-2.9	6.308	9.149
-3	6.384	8.748
-3.1	6.384	8.139
-3.2	6.213	7.384
-3.3	5.854	6.555
-3.4	5.366	5.703
-3.5	4.814	4.85
-3.6	4.219	4.041
-3.7	3.63	3.28
-3.8	3.054	2.595
-3.9	2.507	2.188
-4	2.015	1.752
-4.1	1.569	1.206
-4.2	1.174	0.647
-4.3	1.228	0.343
-4.4	2.067	0.107
-4.5	3.158	0
-4.6	4.358	0
-4.7	5.667	0.103
-4.8	7.086	0.182
-4.9	8.613	0.228
-5	10.25	0.257
-5.1	11.995	0.273
-5.2	13.85	0.273
-5.3	15.814	0.27
-5.4	15.814	0.261
-5.5	13.554	0.239
-5.6	11.138	0.217
-5.7	8.906	0.195
-5.8	6.894	0.167
-5.9	5.102	0.142

Selected Design Assumptions	Inviluppi: Taglio	Muro: paratia sx
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-6	3.531	0.122
-6.1	2.181	0.099
-6.2	1.033	0.081
-6.3	0.082	0.696
-6.4	0.027	1.319
-6.5	0.011	1.795
-6.6	0.005	2.15
-6.7	0.004	2.39
-6.8	0.005	2.54
-6.9	0.006	2.614
-7	0.01	2.618
-7.1	0.011	2.618
-7.2	0.015	2.572
-7.3	0.016	2.478
-7.4	0.016	2.355
-7.5	0.014	2.211
-7.6	0.014	2.046
-7.7	0.012	1.873
-7.8	0.007	1.699
-7.9	0.006	1.52
-8	0.003	1.346
-8.1	0.003	1.175
-8.2	0.001	1.015
-8.3	0	0.868
-8.4	0	0.727
-8.5	0	0.601
-8.6	0	0.484
-8.7	0	0.38
-8.8	0	0.292
-8.9	0	0.21
-9	0	0.143
-9.1	0	0.081
-9.2	0.007	0.034
-9.3	0.042	0.001
-9.4	0.067	0
-9.5	0.084	0
-9.6	0.087	0
-9.7	0.087	0
-9.8	0.078	0
-9.9	0.056	0
-10	0.022	0

Grafico Inviluppi Taglio



Taglio

Inviluppo Spinta Reale Efficace / Spinta Passiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Passiva %
NTC2018: A2+M2+R1	Stage B	Left Wall	LEFT	8.8
NTC2018: A2+M2+R1	Stage 3-	Left Wall	RIGHT	18.46

Inviluppo Spinta Reale Efficace / Spinta Attiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Attiva %
NTC2018: A2+M2+R1	Stage 3	Left Wall	LEFT	893.13
NTC2018: A2+M2+R1	Stage 1	Left Wall	RIGHT	2403.2

Normative adottate per le verifiche degli Elementi Strutturali

Normative Verifiche	
Calcestruzzo	NTC
Acciaio	NTC
Tirante	NTC

Coefficienti per Verifica Tiranti	
GEO FS	1
ξa3	1.8
γs	1.15

Riepilogo Stage / Design Assumption per Inviluppo

Design Assumption	Stage 1	Stage 2	Stage A	Stage B	Stage 3-
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	V	V	V	V	V
NTC2018: A1+M1+R1 (R3 per tiranti)	V	V	V	V	V
NTC2018: A2+M2+R1	V	V	V	V	V

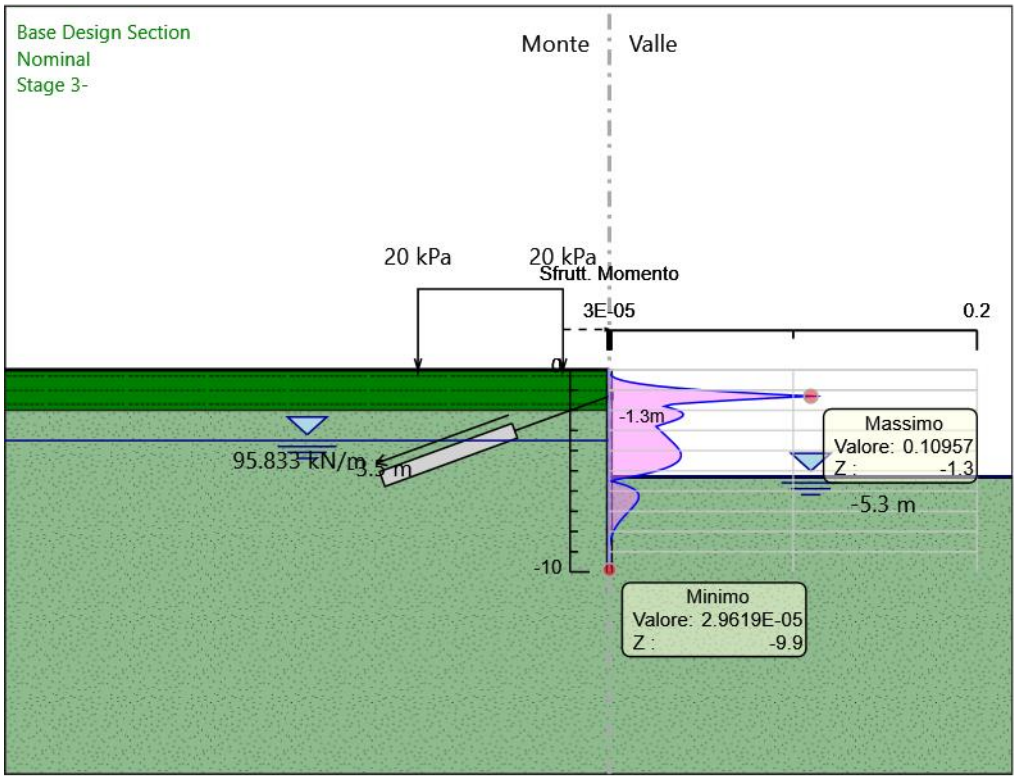
Risultati SteelWorld

Tabella Inviluppi Tasso di Sfruttamento M-N - SteelWorld : LEFT

Inviluppi Tasso di Sfruttamento M-N - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento M-N - SteelWorld
0	0
-0.1	0
-0.2	0
-0.3	0.001
-0.4	0.003
-0.5	0.006
-0.6	0.011
-0.7	0.017
-0.8	0.026
-0.9	0.037
-1	0.051
-1.1	0.068
-1.2	0.087
-1.3	0.11
-1.4	0.087
-1.5	0.067
-1.6	0.05
-1.7	0.034
-1.8	0.03
-1.9	0.034
-2	0.037
-2.1	0.039
-2.2	0.04
-2.3	0.04
-2.4	0.038
-2.5	0.035
-2.6	0.032
-2.7	0.029
-2.8	0.025
-2.9	0.027
-3	0.028
-3.1	0.029
-3.2	0.03
-3.3	0.031
-3.4	0.032
-3.5	0.033
-3.6	0.035
-3.7	0.036
-3.8	0.037
-3.9	0.038
-4	0.038
-4.1	0.039
-4.2	0.039
-4.3	0.039
-4.4	0.038
-4.5	0.038
-4.6	0.036
-4.7	0.035
-4.8	0.032
-4.9	0.029
-5	0.026
-5.1	0.022
-5.2	0.017
-5.3	0.011
-5.4	0.005
-5.5	0.001
-5.6	0.005
-5.7	0.008

Inviluppi Tasso di Sfruttamento M-N - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento M-N - SteelWorld
-5.8	0.011
-5.9	0.013
-6	0.015
-6.1	0.016
-6.2	0.016
-6.3	0.016
-6.4	0.016
-6.5	0.015
-6.6	0.014
-6.7	0.014
-6.8	0.013
-6.9	0.012
-7	0.011
-7.1	0.01
-7.2	0.008
-7.3	0.007
-7.4	0.007
-7.5	0.006
-7.6	0.005
-7.7	0.004
-7.8	0.003
-7.9	0.003
-8	0.002
-8.1	0.002
-8.2	0.001
-8.3	0.001
-8.4	0.001
-8.5	0
-8.6	0
-8.7	0
-8.8	0
-8.9	0
-9	0
-9.1	0
-9.2	0
-9.3	0
-9.4	0
-9.5	0
-9.6	0
-9.7	0
-9.8	0
-9.9	0
-10	0

Grafico Inviluppi Tasso di Sfruttamento M-N - SteelWorld



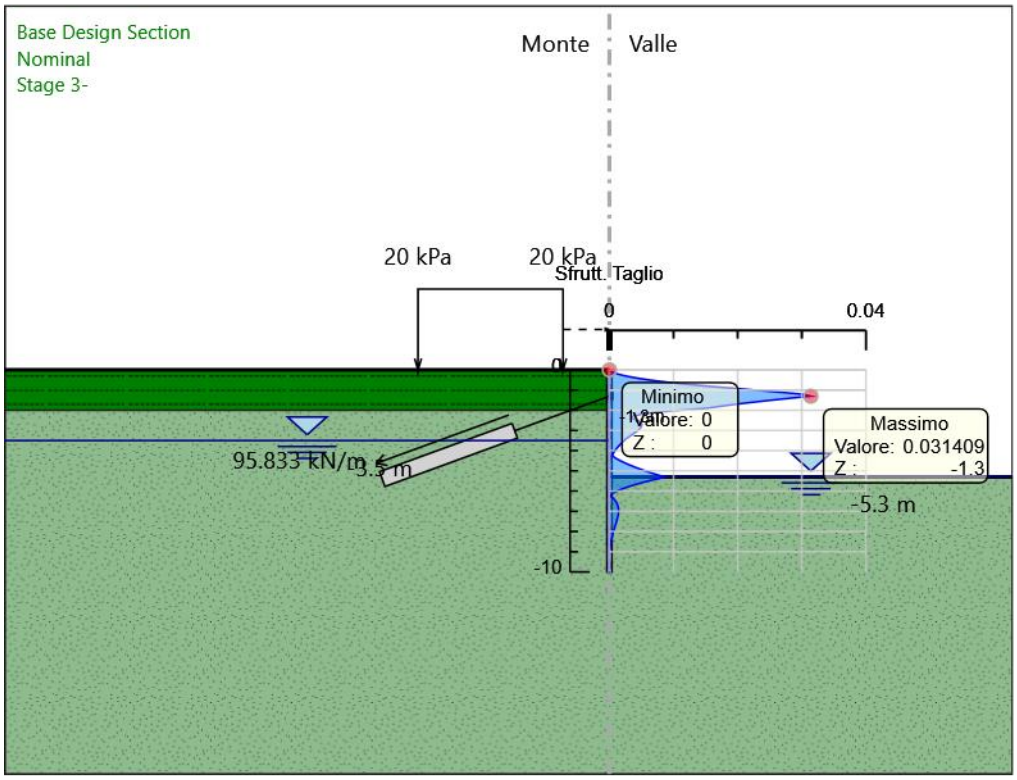
Inviluppi
Tasso di Sfruttamento M-N - SteelWorld

Tabella Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld : LEFT

Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento a Taglio - SteelWorld
0	0
-0.1	0
-0.2	0.001
-0.3	0.003
-0.4	0.004
-0.5	0.006
-0.6	0.009
-0.7	0.012
-0.8	0.015
-0.9	0.019
-1	0.023
-1.1	0.026
-1.2	0.03
-1.3	0.031
-1.4	0.028
-1.5	0.025
-1.6	0.022
-1.7	0.02
-1.8	0.017
-1.9	0.015
-2	0.011
-2.1	0.007
-2.2	0.005
-2.3	0.004
-2.4	0.004
-2.5	0.004
-2.6	0.005
-2.7	0.005
-2.8	0.005
-2.9	0.005
-3	0.004
-3.1	0.004
-3.2	0.004
-3.3	0.003
-3.4	0.003
-3.5	0.002
-3.6	0.002
-3.7	0.002
-3.8	0.001
-3.9	0.001
-4	0.001
-4.1	0.001
-4.2	0
-4.3	0.001
-4.4	0.001
-4.5	0.002
-4.6	0.002
-4.7	0.003
-4.8	0.004
-4.9	0.005
-5	0.006
-5.1	0.007
-5.2	0.008
-5.3	0.009
-5.4	0.007
-5.5	0.006
-5.6	0.005
-5.7	0.004
-5.8	0.003
-5.9	0.002
-6	0.001

Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento a Taglio - SteelWorld
-6.1	0.001
-6.2	0
-6.3	0
-6.4	0.001
-6.5	0.001
-6.6	0.001
-6.7	0.001
-6.8	0.001
-6.9	0.001
-7	0.001
-7.1	0.001
-7.2	0.001
-7.3	0.001
-7.4	0.001
-7.5	0.001
-7.6	0.001
-7.7	0.001
-7.8	0.001
-7.9	0.001
-8	0.001
-8.1	0.001
-8.2	0
-8.3	0
-8.4	0
-8.5	0
-8.6	0
-8.7	0
-8.8	0
-8.9	0
-9	0
-9.1	0
-9.2	0
-9.3	0
-9.4	0
-9.5	0
-9.6	0
-9.7	0
-9.8	0
-9.9	0
-10	0

Grafico Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld



Inviluppi
Tasso di Sfruttamento a Taglio - SteelWorld

Verifiche Tiranti NTC2018: SLE (Rara/Frequente/Quasi Permanente)

Design Assumption: NTC2018: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Verifiche Tiranti			NTC2018 (ITA)			
Tirante	Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	Ratio GEO	Ratio STR	Resistenza	Gerarchia delle Resistenze
Tieback_New_New_New_New	Stage B	229.992	791.681	605.557	0.291	0.38		NO
Tieback_New_New_New_New	Stage 3-	229.19	791.681	605.557	0.289	0.378		NO

Verifiche Tiranti NTC2018: A1+M1+R1 (R3 per tiranti)

Design Assumption: NTC2018: A1+M1+R1 (R3 per tiranti)	Tipo Risultato: Verifiche Tiranti				NTC2018 (ITA)			
Tirante	Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	Ratio GEO	Ratio STR	Resistenza	Gerarchia delle Resistenze
Tieback_New_New_New_New	Stage B	298.99	399.839	605.557	0.748	0.494		
Tieback_New_New_New_New	Stage 3-	297.957	399.839	605.557	0.745	0.492		

Verifiche Tiranti NTC2018: A2+M2+R1

Design Assumption: NTC2018: A2+M2+R1	Tipo Risultato: Verifiche Tiranti				NTC2018 (ITA)			
Tirante	Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	Ratio GEO	Ratio STR	Resistenza	Gerarchia delle Resistenze
Tieback_New_New_New_New	Stage B	229.992	399.839	605.557	0.575	0.38		
Tieback_New_New_New_New	Stage 3-	229.144	399.839	605.557	0.573	0.378		

Inviluppo Verifiche Tiranti (su tutte le D.A. attive)

	Tipo Risultato: Verifiche Tiranti								
Tirante	Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	Ratio GEO	Ratio STR	Resistenza	Gerarchia delle Resistenze	Design Assumption
Tieback_New_New_New_New	Stage B	298.99	399.839	605.557	0.748	0.494			NTC2018: A1+M1+R1 (R3 per tiranti)

Verifiche Travi di Ripartizione Nominal

Design Assumption: Nominal	Tipo Risultato: Verifiche Travi di Ripartizione								
Trave di Ripartizione	Elemento strutturale	Sezione	Materiale	Stage	Carico distribuito (kN/m)	Assiale (kN)	Ratio M-N	Ratio taglio	Instabilità
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage B	95.83	0	0	0	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	95.496	0	0	0	0

Verifiche Travi di Ripartizione NTC2018: SLE (Rara/Frequente/Quasi Permanente)

Design Assumption: NTC2018: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Verifiche Travi di Ripartizione	NTC2018 (ITA)							
Trave di Ripartizione	**Elemento strutturale**	**Sezione**	**Materiale**	**Stage**	**Carico distribuito (kN/m)**	**Assiale (kN)**	**Ratio M-N**	**Ratio taglio**	**Instabilità**
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage B	95.83	0	0.323	0.215	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	95.496	0	0.322	0.214	0

Verifiche Travi di Ripartizione NTC2018: A1+M1+R1 (R3 per tiranti)

Design Assumption: NTC2018: A1+M1+R1 (R3 per tiranti)	Tipo Risultato: Verifiche Travi di Ripartizione	NTC2018 (ITA)							
Trave di Ripartizione	**Elemento strutturale**	**Sezione**	**Materiale**	**Stage**	**Carico distribuito (kN/m)**	**Assiale (kN)**	**Ratio M-N**	**Ratio taglio**	**Instabilità**
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage B	124.579	0	0.42	0.28	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	124.149	0	0.418	0.279	0

Verifiche Travi di Ripartizione NTC2018: A2+M2+R1

Design Assumption: NTC2018: A2+M2+R1	Tipo Risultato: Verifiche Travi di Ripartizione	NTC2018 (ITA)							
Trave di Ripartizione	Elemento strutturale	Sezione	Materiale	Stage	Carico distribuito (kN/m)	Assiale (kN)	Ratio M-N	Ratio taglio	Instabilità
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage B	95.83	0	0.323	0.215	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	95.477	0	0.322	0.214	0

10 ALLEGATO 2: tabulato di calcolo paratia (interasse tiranti 4m)

Descrizione della Stratigrafia e degli Strati di Terreno

Tipo : POLYLINE
Punti
(-30;0)
(10;0)
(20;0)
(20;-40)
(-30;-40)
OCR : 1

Tipo : POLYLINE
Punti
(-30;-2)
(20;-2)
(20;-20)
(-30;-20)
OCR : 1

Strato di Terreno	Terreno	γ dry	γ sat	ø'	øcv	øp	c'	Su	Modulo Elastico	Eu	Evc	Eur	Ah	Av	exp	Pa	Rur/Rvc	Rvc	Ku	Kvc	Kur
		kN/m³	kN/m³	°	°	°	kPa	kPa			kPa	kPa				kPa		kPa	kN/m³	kN/m³	kN/m³
1	RILEVATO	19	19	35			0		Constant		50000	80000									
2	unità SR	24.5	24.5	40			40		Constant		150000	240000									

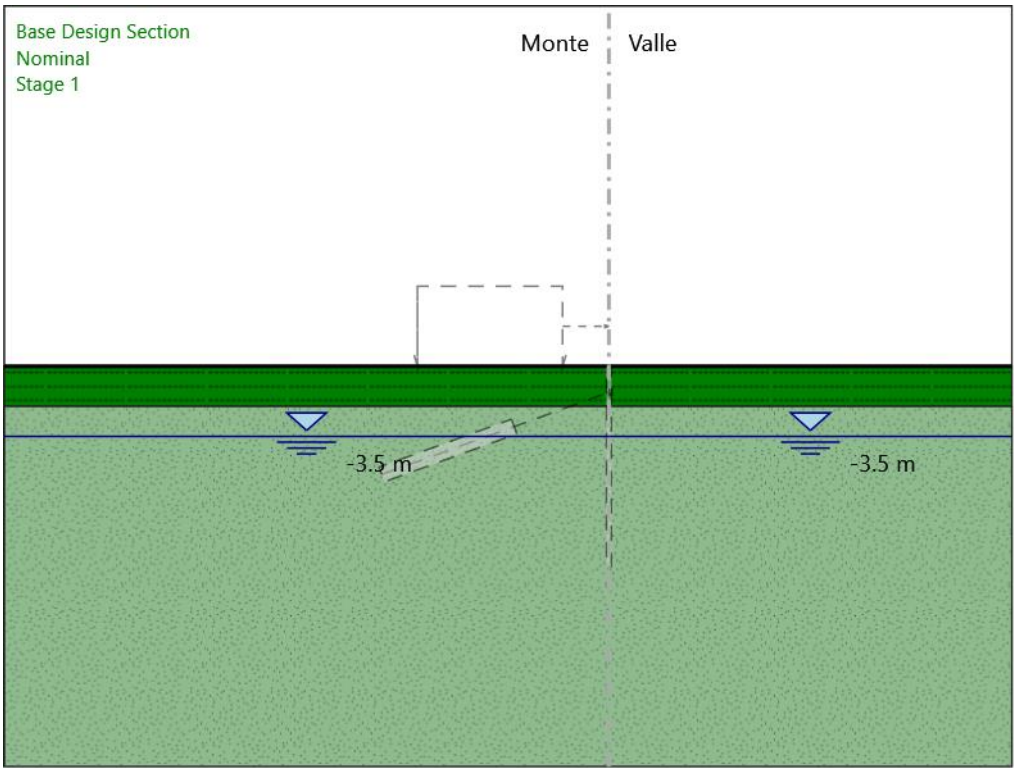
Descrizione Pareti

X : 0 m
Quota in alto : 0 m
Quota di fondo : -10 m
Muro di sinistra

Sezione : mc 240 inter 40 cm
Area equivalente : 0.0294745535317205 m
Inerzia equivalente : 0.0001 m^4/m
Materiale calcestruzzo : C25/30
Tipo sezione : Tangent
Spaziatura : 0.4 m
Diametro : 0.24 m
Efficacia : 1
Materiale acciaio : S355
Sezione : CHS168.3*12
Tipo sezione : O
Spaziatura : 0.4 m
Spessore : 0.012 m
Diametro : 0.1683 m

Fasi di Calcolo

Stage 1



Stage 1

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

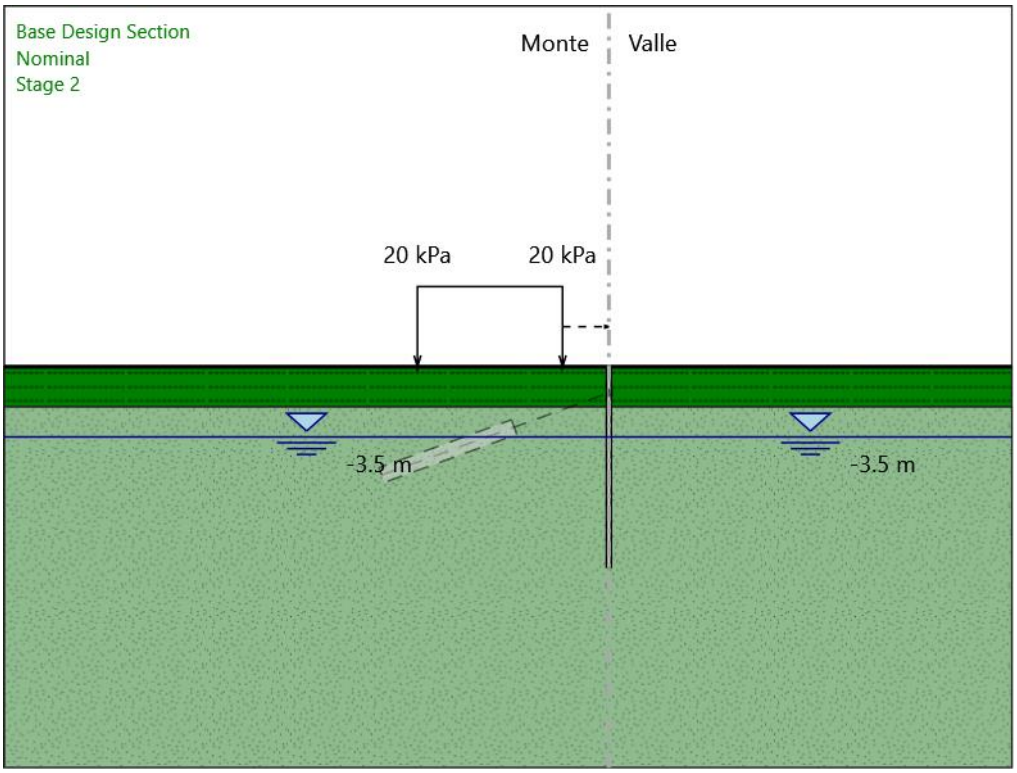
0 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -3.5 m

Stage 2



Stage 2

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : 0 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

0 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -3.5 m

Carichi

Carico lineare in superficie : SurfaceSurcharge

X iniziale : -9.5 m

X finale : -2.3 m

Pressione iniziale : 20 kPa

Pressione finale : 20 kPa

Elementi strutturali

Paratia : paratia sx

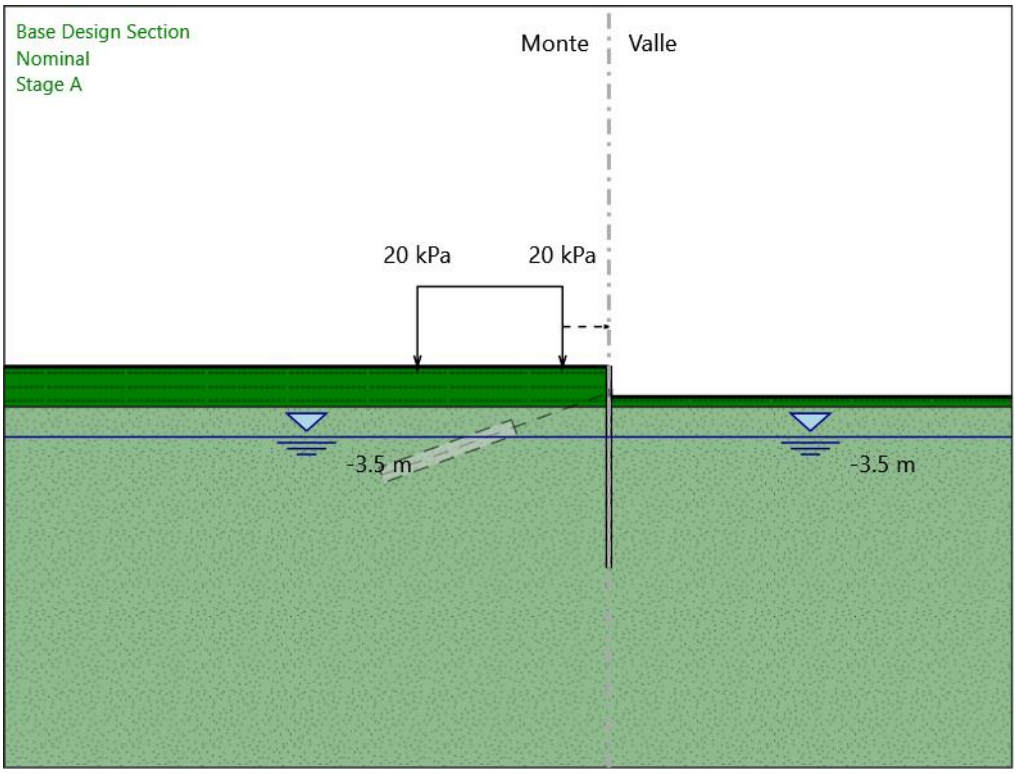
X : 0 m

Quota in alto : 0 m

Quota di fondo : -10 m

Sezione : mc 240 inter 40 cm

Stage A



Stage A

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -1.5 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-1.5 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -3.5 m

Carichi

Carico lineare in superficie : SurfaceSurcharge

X iniziale : -9.5 m

X finale : -2.3 m

Pressione iniziale : 20 kPa

Pressione finale : 20 kPa

Elementi strutturali

Paratia : paratia sx

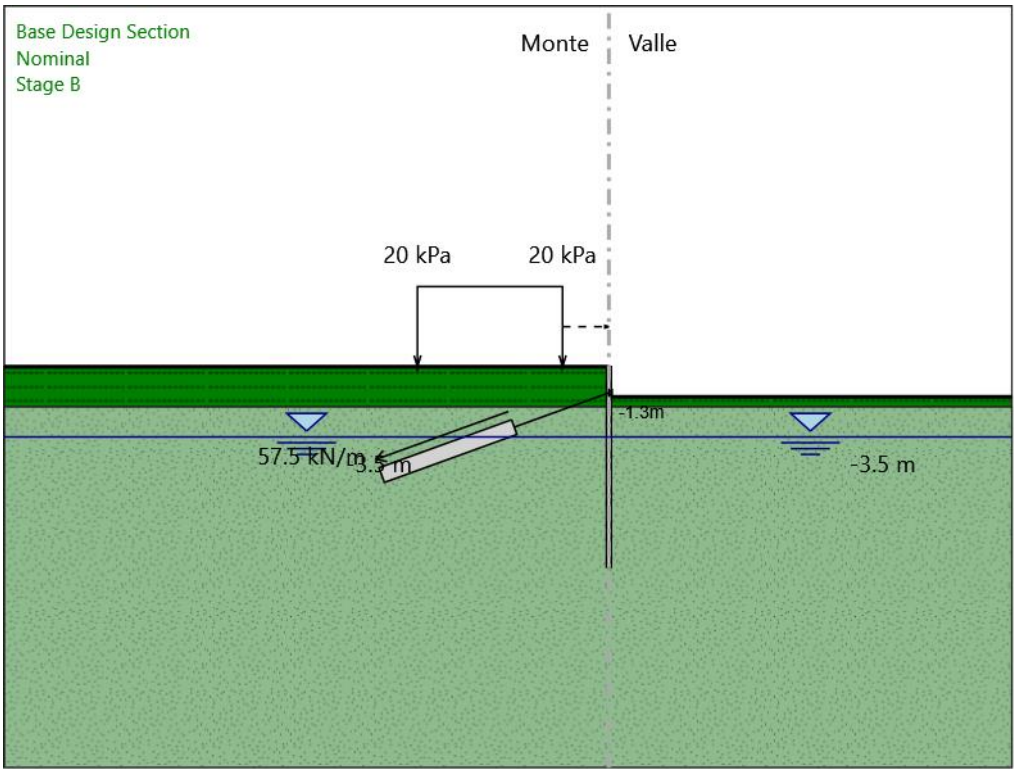
X : 0 m

Quota in alto : 0 m

Quota di fondo : -10 m

Sezione : mc 240 inter 40 cm

Stage B



Stage B

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -1.5 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-1.5 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -3.5 m

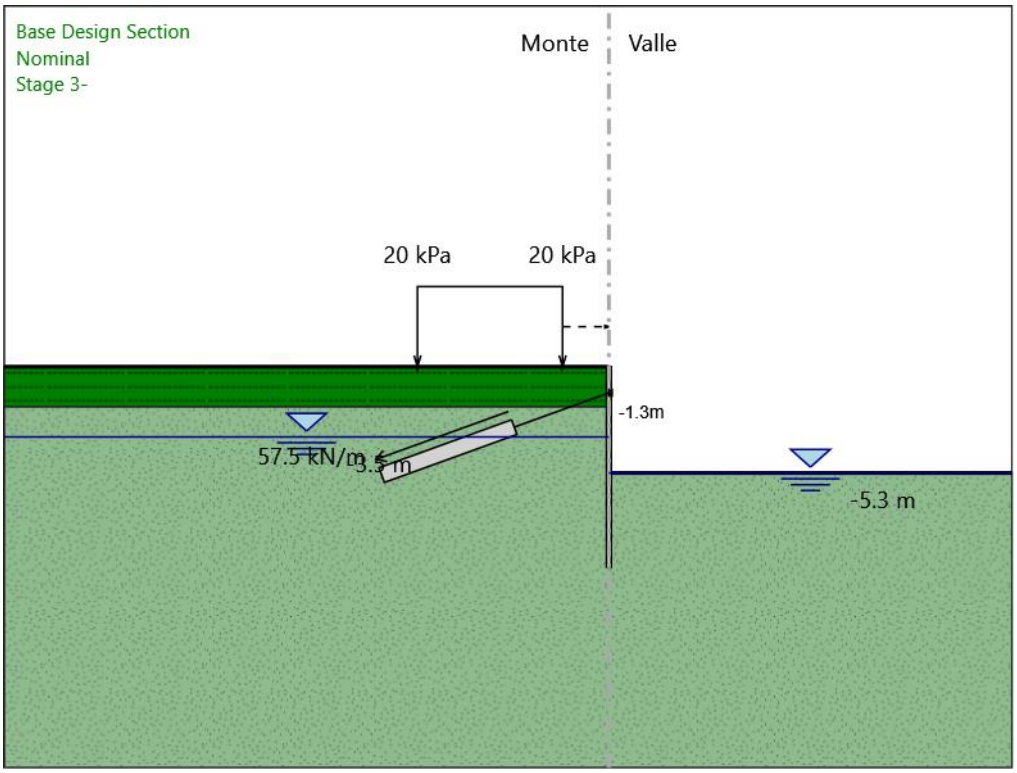
Carichi

- Carico lineare in superficie : SurfaceSurcharge
  - X iniziale : -9.5 m
  - X finale : -2.3 m
  - Pressione iniziale : 20 kPa
  - Pressione finale : 20 kPa

Elementi strutturali

- Paratia : paratia sx
  - X : 0 m
  - Quota in alto : 0 m
  - Quota di fondo : -10 m
  - Sezione : mc 240 inter 40 cm
- Tirante : Tieback_New_New_New_New
  - X : 0 m
  - Z : -1.3 m
  - Lunghezza bulbo : 7 m
  - Diametro bulbo : 0.2 m
  - Lunghezza libera : 5 m
  - Spaziatura orizzontale : 4 m
  - Precarico : 230 kN
  - Angolo : 20 °
  - Sezione : 3 strands
    - Tipo di barre : Barre trefoli
    - Numero di barre : 3
    - Diametro : 0.01331 m
    - Area : 0.000417 m^2
- Trave di Ripartizione : Default Waler
  - Sezione : Waler Section 2 steel
    - HE 160B
    - Materiale : S355

Stage 3-



Stage 3-

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -5.3 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-5.3 m

Falda acquifera

Falda di sinistra : -3.5 m

Falda di destra : -5.3 m

Carichi

Carico lineare in superficie : SurfaceSurcharge

X iniziale : -9.5 m

X finale : -2.3 m

Pressione iniziale : 20 kPa

Pressione finale : 20 kPa

Elementi strutturali

Paratia : paratia sx

X : 0 m

Quota in alto : 0 m

Quota di fondo : -10 m

Sezione : mc 240 inter 40 cm

Tirante : Tieback_New_New_New_New

X : 0 m

Z : -1.3 m

Lunghezza bulbo : 7 m

Diametro bulbo : 0.2 m

Lunghezza libera : 5 m

Spaziatura orizzontale : 4 m

Precarico : 230 kN

Angolo : 20 °

Sezione : 3 strands

Tipo di barre : Barre trefoli

Numero di barre : 3

Diametro : 0.01331 m

Area : 0.000417 m^2

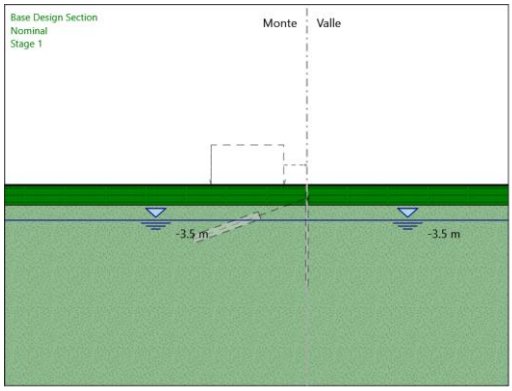
Trave di Ripartizione : Default Waler

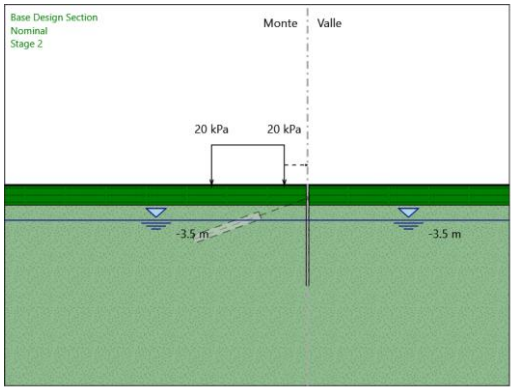
Sezione : Waler Section 2 steel

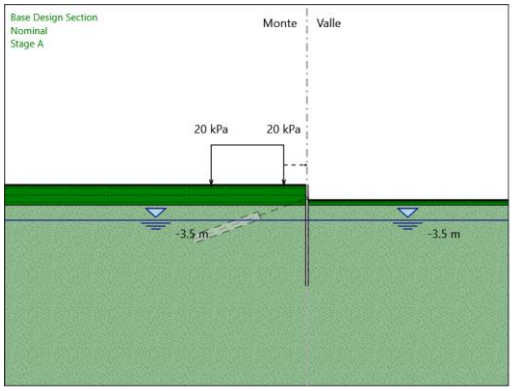
HE 160B

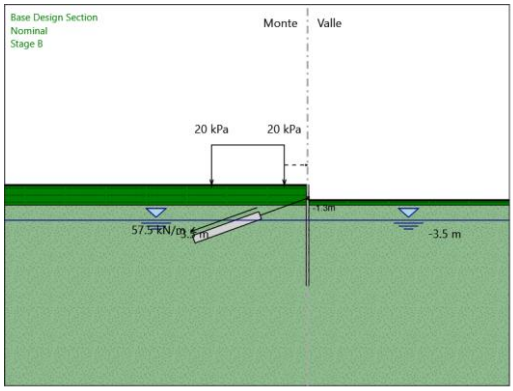
Materiale : S355

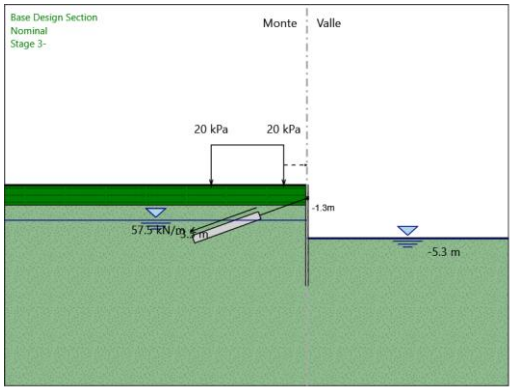
Tabella Configurazione Stage (Nominal)











Grafici dei Risultati

Design Assumption : Nominal

Tabella Spostamento Nominal - LEFT Stage: Stage 1

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	0	0
Stage 1	-0.1	0
Stage 1	-0.2	0
Stage 1	-0.3	0
Stage 1	-0.4	0
Stage 1	-0.5	0
Stage 1	-0.6	0
Stage 1	-0.7	0
Stage 1	-0.8	0
Stage 1	-0.9	0
Stage 1	-1	0
Stage 1	-1.1	0
Stage 1	-1.2	0
Stage 1	-1.3	0
Stage 1	-1.4	0
Stage 1	-1.5	0
Stage 1	-1.6	0
Stage 1	-1.7	0
Stage 1	-1.8	0
Stage 1	-1.9	0
Stage 1	-2	0
Stage 1	-2.1	0
Stage 1	-2.2	0
Stage 1	-2.3	0
Stage 1	-2.4	0
Stage 1	-2.5	0
Stage 1	-2.6	0
Stage 1	-2.7	0
Stage 1	-2.8	0
Stage 1	-2.9	0
Stage 1	-3	0
Stage 1	-3.1	0
Stage 1	-3.2	0
Stage 1	-3.3	0
Stage 1	-3.4	0
Stage 1	-3.5	0
Stage 1	-3.6	0
Stage 1	-3.7	0
Stage 1	-3.8	0
Stage 1	-3.9	0
Stage 1	-4	0
Stage 1	-4.1	0
Stage 1	-4.2	0
Stage 1	-4.3	0
Stage 1	-4.4	0
Stage 1	-4.5	0
Stage 1	-4.6	0
Stage 1	-4.7	0
Stage 1	-4.8	0
Stage 1	-4.9	0
Stage 1	-5	0
Stage 1	-5.1	0
Stage 1	-5.2	0
Stage 1	-5.3	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	-5.4	0
Stage 1	-5.5	0
Stage 1	-5.6	0
Stage 1	-5.7	0
Stage 1	-5.8	0
Stage 1	-5.9	0
Stage 1	-6	0
Stage 1	-6.1	0
Stage 1	-6.2	0
Stage 1	-6.3	0
Stage 1	-6.4	0
Stage 1	-6.5	0
Stage 1	-6.6	0
Stage 1	-6.7	0
Stage 1	-6.8	0
Stage 1	-6.9	0
Stage 1	-7	0
Stage 1	-7.1	0
Stage 1	-7.2	0
Stage 1	-7.3	0
Stage 1	-7.4	0
Stage 1	-7.5	0
Stage 1	-7.6	0
Stage 1	-7.7	0
Stage 1	-7.8	0
Stage 1	-7.9	0
Stage 1	-8	0
Stage 1	-8.1	0
Stage 1	-8.2	0
Stage 1	-8.3	0
Stage 1	-8.4	0
Stage 1	-8.5	0
Stage 1	-8.6	0
Stage 1	-8.7	0
Stage 1	-8.8	0
Stage 1	-8.9	0
Stage 1	-9	0
Stage 1	-9.1	0
Stage 1	-9.2	0
Stage 1	-9.3	0
Stage 1	-9.4	0
Stage 1	-9.5	0
Stage 1	-9.6	0
Stage 1	-9.7	0
Stage 1	-9.8	0
Stage 1	-9.9	0
Stage 1	-10	0

Tabella Spostamento Nominal - LEFT Stage: Stage 2

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2	0	0
Stage 2	-0.1	0
Stage 2	-0.2	0
Stage 2	-0.3	0
Stage 2	-0.4	0
Stage 2	-0.5	0
Stage 2	-0.6	0
Stage 2	-0.7	0
Stage 2	-0.8	0
Stage 2	-0.9	0
Stage 2	-1	0
Stage 2	-1.1	0
Stage 2	-1.2	0
Stage 2	-1.3	0
Stage 2	-1.4	0
Stage 2	-1.5	0
Stage 2	-1.6	0
Stage 2	-1.7	0
Stage 2	-1.8	0
Stage 2	-1.9	0
Stage 2	-2	0
Stage 2	-2.1	0
Stage 2	-2.2	0
Stage 2	-2.3	0
Stage 2	-2.4	0
Stage 2	-2.5	0
Stage 2	-2.6	0
Stage 2	-2.7	0
Stage 2	-2.8	0
Stage 2	-2.9	0
Stage 2	-3	0
Stage 2	-3.1	0
Stage 2	-3.2	0
Stage 2	-3.3	0
Stage 2	-3.4	0
Stage 2	-3.5	0
Stage 2	-3.6	0
Stage 2	-3.7	0
Stage 2	-3.8	0
Stage 2	-3.9	0
Stage 2	-4	0
Stage 2	-4.1	0.01
Stage 2	-4.2	0.01
Stage 2	-4.3	0.01
Stage 2	-4.4	0.01
Stage 2	-4.5	0.01
Stage 2	-4.6	0.01
Stage 2	-4.7	0.01
Stage 2	-4.8	0.01
Stage 2	-4.9	0.01
Stage 2	-5	0.01
Stage 2	-5.1	0.01
Stage 2	-5.2	0.01
Stage 2	-5.3	0.01
Stage 2	-5.4	0.01
Stage 2	-5.5	0.01
Stage 2	-5.6	0.01
Stage 2	-5.7	0.01
Stage 2	-5.8	0.01
Stage 2	-5.9	0.01
Stage 2	-6	0.01

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2	-6.1	0.01
Stage 2	-6.2	0.01
Stage 2	-6.3	0.01
Stage 2	-6.4	0.01
Stage 2	-6.5	0.01
Stage 2	-6.6	0.01
Stage 2	-6.7	0.01
Stage 2	-6.8	0.01
Stage 2	-6.9	0.01
Stage 2	-7	0.01
Stage 2	-7.1	0.01
Stage 2	-7.2	0.01
Stage 2	-7.3	0.01
Stage 2	-7.4	0.01
Stage 2	-7.5	0.01
Stage 2	-7.6	0.01
Stage 2	-7.7	0.01
Stage 2	-7.8	0.01
Stage 2	-7.9	0.01
Stage 2	-8	0.01
Stage 2	-8.1	0.01
Stage 2	-8.2	0.01
Stage 2	-8.3	0.01
Stage 2	-8.4	0.01
Stage 2	-8.5	0.01
Stage 2	-8.6	0.01
Stage 2	-8.7	0.01
Stage 2	-8.8	0.01
Stage 2	-8.9	0.01
Stage 2	-9	0.01
Stage 2	-9.1	0.01
Stage 2	-9.2	0.01
Stage 2	-9.3	0.01
Stage 2	-9.4	0.01
Stage 2	-9.5	0.01
Stage 2	-9.6	0.01
Stage 2	-9.7	0.01
Stage 2	-9.8	0.01
Stage 2	-9.9	0.01
Stage 2	-10	0.01

Tabella Spostamento Nominal - LEFT Stage: Stage A

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage A	0	1.15
Stage A	-0.1	1.09
Stage A	-0.2	1.04
Stage A	-0.3	0.99
Stage A	-0.4	0.94
Stage A	-0.5	0.88
Stage A	-0.6	0.83
Stage A	-0.7	0.78
Stage A	-0.8	0.73
Stage A	-0.9	0.68
Stage A	-1	0.63
Stage A	-1.1	0.57
Stage A	-1.2	0.52
Stage A	-1.3	0.48
Stage A	-1.4	0.43
Stage A	-1.5	0.38
Stage A	-1.6	0.34
Stage A	-1.7	0.29
Stage A	-1.8	0.25
Stage A	-1.9	0.21
Stage A	-2	0.18
Stage A	-2.1	0.15
Stage A	-2.2	0.12
Stage A	-2.3	0.09
Stage A	-2.4	0.07
Stage A	-2.5	0.06
Stage A	-2.6	0.04
Stage A	-2.7	0.03
Stage A	-2.8	0.02
Stage A	-2.9	0.02
Stage A	-3	0.01
Stage A	-3.1	0.01
Stage A	-3.2	0.01
Stage A	-3.3	0.01
Stage A	-3.4	0.01
Stage A	-3.5	0.01
Stage A	-3.6	0.01
Stage A	-3.7	0.01
Stage A	-3.8	0.01
Stage A	-3.9	0.02
Stage A	-4	0.02
Stage A	-4.1	0.02
Stage A	-4.2	0.02
Stage A	-4.3	0.02
Stage A	-4.4	0.02
Stage A	-4.5	0.02
Stage A	-4.6	0.03
Stage A	-4.7	0.03
Stage A	-4.8	0.03
Stage A	-4.9	0.03
Stage A	-5	0.03
Stage A	-5.1	0.03
Stage A	-5.2	0.03
Stage A	-5.3	0.03
Stage A	-5.4	0.03
Stage A	-5.5	0.03
Stage A	-5.6	0.03
Stage A	-5.7	0.03
Stage A	-5.8	0.03
Stage A	-5.9	0.03
Stage A	-6	0.03

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage A	-6.1	0.03
Stage A	-6.2	0.03
Stage A	-6.3	0.03
Stage A	-6.4	0.03
Stage A	-6.5	0.03
Stage A	-6.6	0.03
Stage A	-6.7	0.03
Stage A	-6.8	0.03
Stage A	-6.9	0.03
Stage A	-7	0.03
Stage A	-7.1	0.03
Stage A	-7.2	0.03
Stage A	-7.3	0.03
Stage A	-7.4	0.03
Stage A	-7.5	0.03
Stage A	-7.6	0.03
Stage A	-7.7	0.03
Stage A	-7.8	0.03
Stage A	-7.9	0.03
Stage A	-8	0.03
Stage A	-8.1	0.03
Stage A	-8.2	0.03
Stage A	-8.3	0.03
Stage A	-8.4	0.03
Stage A	-8.5	0.03
Stage A	-8.6	0.03
Stage A	-8.7	0.03
Stage A	-8.8	0.03
Stage A	-8.9	0.03
Stage A	-9	0.03
Stage A	-9.1	0.03
Stage A	-9.2	0.03
Stage A	-9.3	0.03
Stage A	-9.4	0.03
Stage A	-9.5	0.03
Stage A	-9.6	0.03
Stage A	-9.7	0.03
Stage A	-9.8	0.03
Stage A	-9.9	0.03
Stage A	-10	0.03

Tabella Spostamento Nominal - LEFT Stage: Stage B

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage B	0	0.75
Stage B	-0.1	0.69
Stage B	-0.2	0.64
Stage B	-0.3	0.58
Stage B	-0.4	0.53
Stage B	-0.5	0.47
Stage B	-0.6	0.42
Stage B	-0.7	0.36
Stage B	-0.8	0.31
Stage B	-0.9	0.26
Stage B	-1	0.21
Stage B	-1.1	0.17
Stage B	-1.2	0.13
Stage B	-1.3	0.1
Stage B	-1.4	0.07
Stage B	-1.5	0.05
Stage B	-1.6	0.04
Stage B	-1.7	0.03
Stage B	-1.8	0.02
Stage B	-1.9	0.01
Stage B	-2	0.01
Stage B	-2.1	0.01
Stage B	-2.2	0.01
Stage B	-2.3	0.01
Stage B	-2.4	0.01
Stage B	-2.5	0.01
Stage B	-2.6	0.01
Stage B	-2.7	0.01
Stage B	-2.8	0.01
Stage B	-2.9	0.02
Stage B	-3	0.02
Stage B	-3.1	0.02
Stage B	-3.2	0.02
Stage B	-3.3	0.02
Stage B	-3.4	0.02
Stage B	-3.5	0.02
Stage B	-3.6	0.02
Stage B	-3.7	0.03
Stage B	-3.8	0.03
Stage B	-3.9	0.03
Stage B	-4	0.03
Stage B	-4.1	0.03
Stage B	-4.2	0.03
Stage B	-4.3	0.03
Stage B	-4.4	0.03
Stage B	-4.5	0.03
Stage B	-4.6	0.03
Stage B	-4.7	0.03
Stage B	-4.8	0.03
Stage B	-4.9	0.03
Stage B	-5	0.03
Stage B	-5.1	0.03
Stage B	-5.2	0.03
Stage B	-5.3	0.03
Stage B	-5.4	0.03
Stage B	-5.5	0.03
Stage B	-5.6	0.03
Stage B	-5.7	0.03
Stage B	-5.8	0.03
Stage B	-5.9	0.03
Stage B	-6	0.03

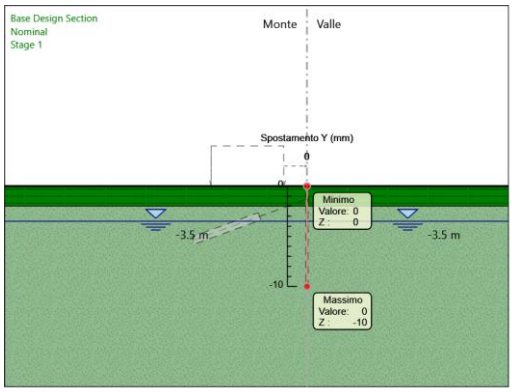
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage B	-6.1	0.03
Stage B	-6.2	0.03
Stage B	-6.3	0.03
Stage B	-6.4	0.03
Stage B	-6.5	0.03
Stage B	-6.6	0.03
Stage B	-6.7	0.03
Stage B	-6.8	0.03
Stage B	-6.9	0.03
Stage B	-7	0.03
Stage B	-7.1	0.03
Stage B	-7.2	0.03
Stage B	-7.3	0.03
Stage B	-7.4	0.03
Stage B	-7.5	0.03
Stage B	-7.6	0.03
Stage B	-7.7	0.03
Stage B	-7.8	0.03
Stage B	-7.9	0.03
Stage B	-8	0.03
Stage B	-8.1	0.03
Stage B	-8.2	0.03
Stage B	-8.3	0.03
Stage B	-8.4	0.03
Stage B	-8.5	0.03
Stage B	-8.6	0.03
Stage B	-8.7	0.03
Stage B	-8.8	0.03
Stage B	-8.9	0.03
Stage B	-9	0.03
Stage B	-9.1	0.03
Stage B	-9.2	0.03
Stage B	-9.3	0.03
Stage B	-9.4	0.03
Stage B	-9.5	0.03
Stage B	-9.6	0.03
Stage B	-9.7	0.03
Stage B	-9.8	0.03
Stage B	-9.9	0.03
Stage B	-10	0.03

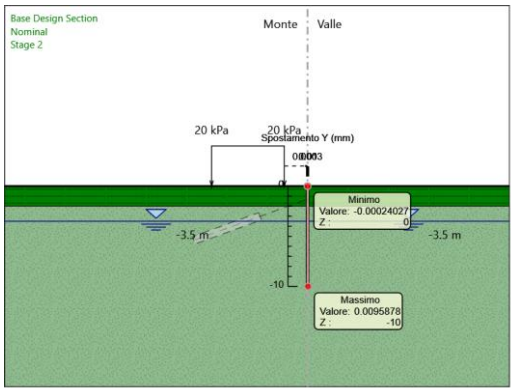
Tabella Spostamento Nominal - LEFT Stage: Stage 3-

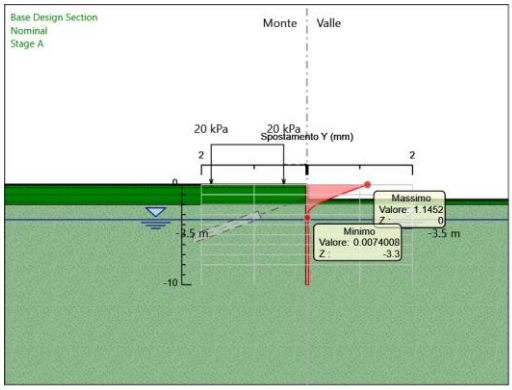
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-	0	0.51
Stage 3-	-0.1	0.47
Stage 3-	-0.2	0.44
Stage 3-	-0.3	0.4
Stage 3-	-0.4	0.37
Stage 3-	-0.5	0.33
Stage 3-	-0.6	0.3
Stage 3-	-0.7	0.26
Stage 3-	-0.8	0.23
Stage 3-	-0.9	0.2
Stage 3-	-1	0.17
Stage 3-	-1.1	0.15
Stage 3-	-1.2	0.13
Stage 3-	-1.3	0.12
Stage 3-	-1.4	0.11
Stage 3-	-1.5	0.11
Stage 3-	-1.6	0.12
Stage 3-	-1.7	0.13
Stage 3-	-1.8	0.15
Stage 3-	-1.9	0.16
Stage 3-	-2	0.18
Stage 3-	-2.1	0.2
Stage 3-	-2.2	0.23
Stage 3-	-2.3	0.25
Stage 3-	-2.4	0.28
Stage 3-	-2.5	0.31
Stage 3-	-2.6	0.33
Stage 3-	-2.7	0.36
Stage 3-	-2.8	0.39
Stage 3-	-2.9	0.42
Stage 3-	-3	0.45
Stage 3-	-3.1	0.47
Stage 3-	-3.2	0.5
Stage 3-	-3.3	0.53
Stage 3-	-3.4	0.55
Stage 3-	-3.5	0.58
Stage 3-	-3.6	0.6
Stage 3-	-3.7	0.62
Stage 3-	-3.8	0.64
Stage 3-	-3.9	0.66
Stage 3-	-4	0.68
Stage 3-	-4.1	0.69
Stage 3-	-4.2	0.7
Stage 3-	-4.3	0.71
Stage 3-	-4.4	0.71
Stage 3-	-4.5	0.72
Stage 3-	-4.6	0.72
Stage 3-	-4.7	0.71
Stage 3-	-4.8	0.71
Stage 3-	-4.9	0.7
Stage 3-	-5	0.69
Stage 3-	-5.1	0.68
Stage 3-	-5.2	0.66
Stage 3-	-5.3	0.64
Stage 3-	-5.4	0.63
Stage 3-	-5.5	0.61
Stage 3-	-5.6	0.59
Stage 3-	-5.7	0.57
Stage 3-	-5.8	0.55
Stage 3-	-5.9	0.54
Stage 3-	-6	0.52

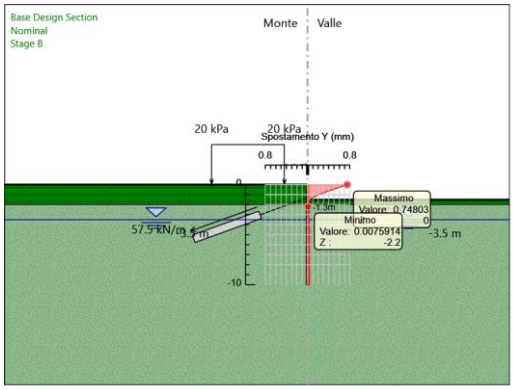
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-	-6.1	0.5
Stage 3-	-6.2	0.49
Stage 3-	-6.3	0.47
Stage 3-	-6.4	0.46
Stage 3-	-6.5	0.45
Stage 3-	-6.6	0.44
Stage 3-	-6.7	0.42
Stage 3-	-6.8	0.42
Stage 3-	-6.9	0.41
Stage 3-	-7	0.4
Stage 3-	-7.1	0.39
Stage 3-	-7.2	0.39
Stage 3-	-7.3	0.38
Stage 3-	-7.4	0.38
Stage 3-	-7.5	0.37
Stage 3-	-7.6	0.37
Stage 3-	-7.7	0.36
Stage 3-	-7.8	0.36
Stage 3-	-7.9	0.36
Stage 3-	-8	0.35
Stage 3-	-8.1	0.35
Stage 3-	-8.2	0.35
Stage 3-	-8.3	0.35
Stage 3-	-8.4	0.34
Stage 3-	-8.5	0.34
Stage 3-	-8.6	0.34
Stage 3-	-8.7	0.34
Stage 3-	-8.8	0.34
Stage 3-	-8.9	0.33
Stage 3-	-9	0.33
Stage 3-	-9.1	0.33
Stage 3-	-9.2	0.33
Stage 3-	-9.3	0.33
Stage 3-	-9.4	0.32
Stage 3-	-9.5	0.32
Stage 3-	-9.6	0.32
Stage 3-	-9.7	0.32
Stage 3-	-9.8	0.32
Stage 3-	-9.9	0.31
Stage 3-	-10	0.31

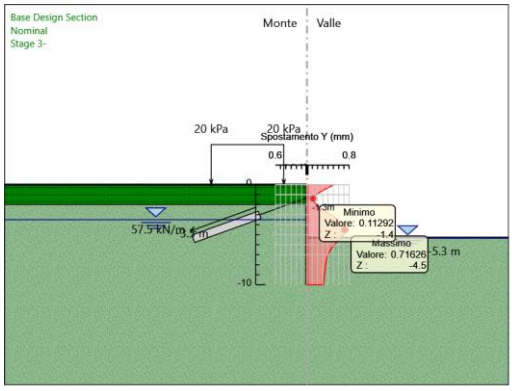
Grafici Spostamento in tabella











Inviluppi Spostamento Nominal

Risultati Paratia

Tabella Risultati Paratia Nominal - Stage: Stage 1

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.1	0	0
Stage 1	-0.2	0	0
Stage 1	-0.3	0	0
Stage 1	-0.4	0	0
Stage 1	-0.5	0	0
Stage 1	-0.6	0	0
Stage 1	-0.7	0	0
Stage 1	-0.8	0	0
Stage 1	-0.9	0	0
Stage 1	-1	0	0
Stage 1	-1.1	0	0
Stage 1	-1.2	0	0
Stage 1	-1.3	0	0
Stage 1	-1.4	0	0
Stage 1	-1.5	0	0
Stage 1	-1.6	0	0
Stage 1	-1.7	0	0
Stage 1	-1.8	0	0
Stage 1	-1.9	0	0
Stage 1	-2	0	0
Stage 1	-2.1	0	0
Stage 1	-2.2	0	0
Stage 1	-2.3	0	0
Stage 1	-2.4	0	0
Stage 1	-2.5	0	0
Stage 1	-2.6	0	0
Stage 1	-2.7	0	0
Stage 1	-2.8	0	0
Stage 1	-2.9	0	0
Stage 1	-3	0	0
Stage 1	-3.1	0	0
Stage 1	-3.2	0	0
Stage 1	-3.3	0	0
Stage 1	-3.4	0	0
Stage 1	-3.5	0	0
Stage 1	-3.6	0	0
Stage 1	-3.7	0	0
Stage 1	-3.8	0	0
Stage 1	-3.9	0	0
Stage 1	-4	0	0
Stage 1	-4.1	0	0
Stage 1	-4.2	0	0
Stage 1	-4.3	0	0
Stage 1	-4.4	0	0
Stage 1	-4.5	0	0
Stage 1	-4.6	0	0
Stage 1	-4.7	0	0
Stage 1	-4.8	0	0
Stage 1	-4.9	0	0
Stage 1	-5	0	0
Stage 1	-5.1	0	0
Stage 1	-5.2	0	0
Stage 1	-5.3	0	0

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-5.4	0	0
Stage 1	-5.5	0	0
Stage 1	-5.6	0	0
Stage 1	-5.7	0	0
Stage 1	-5.8	0	0
Stage 1	-5.9	0	0
Stage 1	-6	0	0
Stage 1	-6.1	0	0
Stage 1	-6.2	0	0
Stage 1	-6.3	0	0
Stage 1	-6.4	0	0
Stage 1	-6.5	0	0
Stage 1	-6.6	0	0
Stage 1	-6.7	0	0
Stage 1	-6.8	0	0
Stage 1	-6.9	0	0
Stage 1	-7	0	0
Stage 1	-7.1	0	0
Stage 1	-7.2	0	0
Stage 1	-7.3	0	0
Stage 1	-7.4	0	0
Stage 1	-7.5	0	0
Stage 1	-7.6	0	0
Stage 1	-7.7	0	0
Stage 1	-7.8	0	0
Stage 1	-7.9	0	0
Stage 1	-8	0	0
Stage 1	-8.1	0	0
Stage 1	-8.2	0	0
Stage 1	-8.3	0	0
Stage 1	-8.4	0	0
Stage 1	-8.5	0	0
Stage 1	-8.6	0	0
Stage 1	-8.7	0	0
Stage 1	-8.8	0	0
Stage 1	-8.9	0	0
Stage 1	-9	0	0
Stage 1	-9.1	0	0
Stage 1	-9.2	0	0
Stage 1	-9.3	0	0
Stage 1	-9.4	0	0
Stage 1	-9.5	0	0
Stage 1	-9.6	0	0
Stage 1	-9.7	0	0
Stage 1	-9.8	0	0
Stage 1	-9.9	0	0
Stage 1	-10	0	0

Tabella Risultati Paratia Nominal - Stage: Stage 2

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	0	0	0
Stage 2	-0.1	0	0
Stage 2	-0.1	0	0
Stage 2	-0.2	0	0
Stage 2	-0.3	0	0
Stage 2	-0.4	0	0
Stage 2	-0.5	0	0
Stage 2	-0.6	0	0.01
Stage 2	-0.7	0	0.01
Stage 2	-0.8	0	0.02
Stage 2	-0.9	0.01	0.02
Stage 2	-1	0.01	0.03
Stage 2	-1.1	0.01	0.03
Stage 2	-1.2	0.01	0.03
Stage 2	-1.3	0.02	0.03
Stage 2	-1.4	0.02	0.02
Stage 2	-1.5	0.02	0.01
Stage 2	-1.6	0.02	0
Stage 2	-1.7	0.02	-0.02
Stage 2	-1.8	0.01	-0.04
Stage 2	-1.9	0.01	-0.07
Stage 2	-2	0	-0.1
Stage 2	-2.1	-0.01	-0.08
Stage 2	-2.2	-0.02	-0.06
Stage 2	-2.3	-0.02	-0.04
Stage 2	-2.4	-0.03	-0.03
Stage 2	-2.5	-0.03	-0.02
Stage 2	-2.6	-0.03	-0.01
Stage 2	-2.7	-0.03	0
Stage 2	-2.8	-0.03	0.01
Stage 2	-2.9	-0.03	0.01
Stage 2	-3	-0.02	0.02
Stage 2	-3.1	-0.02	0.03
Stage 2	-3.2	-0.02	0.04
Stage 2	-3.3	-0.01	0.04
Stage 2	-3.4	-0.01	0.05
Stage 2	-3.5	0	0.04
Stage 2	-3.6	0	0.04
Stage 2	-3.7	0	0.03
Stage 2	-3.8	0.01	0.03
Stage 2	-3.9	0.01	0.02
Stage 2	-4	0.01	0.02
Stage 2	-4.1	0.01	0.01
Stage 2	-4.2	0.01	0.01
Stage 2	-4.3	0.01	0.01
Stage 2	-4.4	0.01	0.01
Stage 2	-4.5	0.01	0
Stage 2	-4.6	0.01	0
Stage 2	-4.7	0.01	0
Stage 2	-4.8	0.01	0
Stage 2	-4.9	0.01	0
Stage 2	-5	0.01	-0.01
Stage 2	-5.1	0.01	-0.01
Stage 2	-5.2	0.01	0
Stage 2	-5.3	0.01	-0.01
Stage 2	-5.4	0.01	0
Stage 2	-5.5	0.01	-0.01
Stage 2	-5.6	0.01	-0.01
Stage 2	-5.7	0.01	-0.01
Stage 2	-5.8	0.01	-0.01
Stage 2	-5.9	0.01	-0.01

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	-6	0.01	0
Stage 2	-6.1	0.01	0
Stage 2	-6.2	0	0
Stage 2	-6.3	0	0
Stage 2	-6.4	0	0
Stage 2	-6.5	0	0
Stage 2	-6.6	0	0
Stage 2	-6.7	0	0
Stage 2	-6.8	0	0
Stage 2	-6.9	0	0
Stage 2	-7	0	0
Stage 2	-7.1	0	0
Stage 2	-7.2	0	0
Stage 2	-7.3	0	0
Stage 2	-7.4	0	0
Stage 2	-7.5	0	0
Stage 2	-7.6	0	0
Stage 2	-7.7	0	0
Stage 2	-7.8	0	0
Stage 2	-7.9	0	0
Stage 2	-8	0	0
Stage 2	-8.1	0	0
Stage 2	-8.2	0	0
Stage 2	-8.3	0	0.01
Stage 2	-8.4	0	0.01
Stage 2	-8.5	0.01	0.01
Stage 2	-8.6	0.01	0.01
Stage 2	-8.7	0.01	0.01
Stage 2	-8.8	0.01	0.01
Stage 2	-8.9	0.01	0.01
Stage 2	-9	0.01	0.01
Stage 2	-9.1	0.01	0
Stage 2	-9.2	0.01	0
Stage 2	-9.3	0.01	0
Stage 2	-9.4	0.01	-0.01
Stage 2	-9.5	0.01	-0.01
Stage 2	-9.6	0.01	-0.02
Stage 2	-9.7	0	-0.02
Stage 2	-9.8	0	-0.02
Stage 2	-9.9	0	-0.01
Stage 2	-10	0	-0.01

Tabella Risultati Paratia Nominal - Stage: Stage A

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage A	0	0	0
Stage A	-0.1	0	0
Stage A	-0.1	0	0
Stage A	-0.2	-0.01	-0.06
Stage A	-0.3	-0.02	-0.18
Stage A	-0.4	-0.06	-0.37
Stage A	-0.5	-0.12	-0.61
Stage A	-0.6	-0.21	-0.91
Stage A	-0.7	-0.34	-1.28
Stage A	-0.8	-0.51	-1.71
Stage A	-0.9	-0.73	-2.2
Stage A	-1	-1.01	-2.76
Stage A	-1.1	-1.35	-3.37
Stage A	-1.2	-1.75	-4.05
Stage A	-1.3	-2.23	-4.8
Stage A	-1.4	-2.79	-5.6
Stage A	-1.5	-3.44	-6.48
Stage A	-1.6	-4.18	-7.41
Stage A	-1.7	-4.96	-7.82
Stage A	-1.8	-5.73	-7.71
Stage A	-1.9	-6.44	-7.11
Stage A	-2	-7.1	-6.58
Stage A	-2.1	-7.5	-4.02
Stage A	-2.2	-7.66	-1.54
Stage A	-2.3	-7.57	0.88
Stage A	-2.4	-7.24	3.27
Stage A	-2.5	-6.74	5.06
Stage A	-2.6	-6.11	6.22
Stage A	-2.7	-5.43	6.86
Stage A	-2.8	-4.72	7.1
Stage A	-2.9	-4.02	7.02
Stage A	-3	-3.35	6.71
Stage A	-3.1	-2.72	6.24
Stage A	-3.2	-2.16	5.66
Stage A	-3.3	-1.66	5.02
Stage A	-3.4	-1.22	4.37
Stage A	-3.5	-0.85	3.71
Stage A	-3.6	-0.54	3.09
Stage A	-3.7	-0.29	2.51
Stage A	-3.8	-0.09	1.98
Stage A	-3.9	0.06	1.52
Stage A	-4	0.17	1.12
Stage A	-4.1	0.25	0.77
Stage A	-4.2	0.3	0.49
Stage A	-4.3	0.33	0.26
Stage A	-4.4	0.34	0.08
Stage A	-4.5	0.33	-0.06
Stage A	-4.6	0.31	-0.16
Stage A	-4.7	0.29	-0.23
Stage A	-4.8	0.26	-0.28
Stage A	-4.9	0.23	-0.3
Stage A	-5	0.2	-0.31
Stage A	-5.1	0.17	-0.3
Stage A	-5.2	0.14	-0.28
Stage A	-5.3	0.12	-0.26
Stage A	-5.4	0.09	-0.24
Stage A	-5.5	0.07	-0.21
Stage A	-5.6	0.05	-0.18
Stage A	-5.7	0.04	-0.15
Stage A	-5.8	0.02	-0.13
Stage A	-5.9	0.01	-0.1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage A	-6	0.01	-0.08
Stage A	-6.1	0	-0.06
Stage A	-6.2	0	-0.04
Stage A	-6.3	-0.01	-0.03
Stage A	-6.4	-0.01	-0.02
Stage A	-6.5	-0.01	-0.01
Stage A	-6.6	-0.01	0
Stage A	-6.7	-0.01	0
Stage A	-6.8	-0.01	0.01
Stage A	-6.9	-0.01	0.01
Stage A	-7	-0.01	0.01
Stage A	-7.1	-0.01	0.01
Stage A	-7.2	-0.01	0.01
Stage A	-7.3	0	0.01
Stage A	-7.4	0	0.01
Stage A	-7.5	0	0.01
Stage A	-7.6	0	0.01
Stage A	-7.7	0	0.01
Stage A	-7.8	0	0.01
Stage A	-7.9	0	0.01
Stage A	-8	0	0.01
Stage A	-8.1	0	0.01
Stage A	-8.2	0	0.01
Stage A	-8.3	0	0.01
Stage A	-8.4	0	0.01
Stage A	-8.5	0.01	0.01
Stage A	-8.6	0.01	0.01
Stage A	-8.7	0.01	0.01
Stage A	-8.8	0.01	0.01
Stage A	-8.9	0.01	0.01
Stage A	-9	0.01	0.01
Stage A	-9.1	0.01	0
Stage A	-9.2	0.01	0
Stage A	-9.3	0.01	0
Stage A	-9.4	0.01	-0.01
Stage A	-9.5	0.01	-0.01
Stage A	-9.6	0.01	-0.02
Stage A	-9.7	0	-0.02
Stage A	-9.8	0	-0.02
Stage A	-9.9	0	-0.01
Stage A	-10	0	-0.01

Tabella Risultati Paratia Nominal - Stage: Stage B

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage B	0	0	0
Stage B	-0.1	0	0
Stage B	-0.1	0	0
Stage B	-0.2	-0.06	-0.59
Stage B	-0.3	-0.24	-1.77
Stage B	-0.4	-0.59	-3.54
Stage B	-0.5	-1.17	-5.81
Stage B	-0.6	-1.99	-8.16
Stage B	-0.7	-3.05	-10.61
Stage B	-0.8	-4.36	-13.13
Stage B	-0.9	-5.93	-15.74
Stage B	-1	-7.77	-18.41
Stage B	-1.1	-9.89	-21.14
Stage B	-1.2	-12.28	-23.91
Stage B	-1.3	-14.95	-26.7
Stage B	-1.4	-12.5	24.54
Stage B	-1.5	-10.32	21.78
Stage B	-1.6	-8.41	19.07
Stage B	-1.7	-6.76	16.48
Stage B	-1.8	-5.36	14.04
Stage B	-1.9	-4.13	12.31
Stage B	-2	-3.05	10.78
Stage B	-2.1	-2.25	8
Stage B	-2.2	-1.66	5.91
Stage B	-2.3	-1.21	4.46
Stage B	-2.4	-0.85	3.63
Stage B	-2.5	-0.55	3
Stage B	-2.6	-0.31	2.43
Stage B	-2.7	-0.11	1.91
Stage B	-2.8	0.03	1.46
Stage B	-2.9	0.14	1.07
Stage B	-3	0.21	0.75
Stage B	-3.1	0.26	0.48
Stage B	-3.2	0.29	0.27
Stage B	-3.3	0.3	0.1
Stage B	-3.4	0.3	-0.03
Stage B	-3.5	0.28	-0.13
Stage B	-3.6	0.26	-0.19
Stage B	-3.7	0.24	-0.24
Stage B	-3.8	0.21	-0.26
Stage B	-3.9	0.19	-0.27
Stage B	-4	0.16	-0.27
Stage B	-4.1	0.13	-0.26
Stage B	-4.2	0.11	-0.24
Stage B	-4.3	0.09	-0.21
Stage B	-4.4	0.07	-0.19
Stage B	-4.5	0.05	-0.17
Stage B	-4.6	0.04	-0.14
Stage B	-4.7	0.03	-0.12
Stage B	-4.8	0.02	-0.1
Stage B	-4.9	0.01	-0.07
Stage B	-5	0	-0.06
Stage B	-5.1	0	-0.04
Stage B	-5.2	0	-0.03
Stage B	-5.3	-0.01	-0.02
Stage B	-5.4	-0.01	-0.01
Stage B	-5.5	-0.01	-0.01
Stage B	-5.6	-0.01	0
Stage B	-5.7	-0.01	0
Stage B	-5.8	-0.01	0
Stage B	-5.9	-0.01	0.01

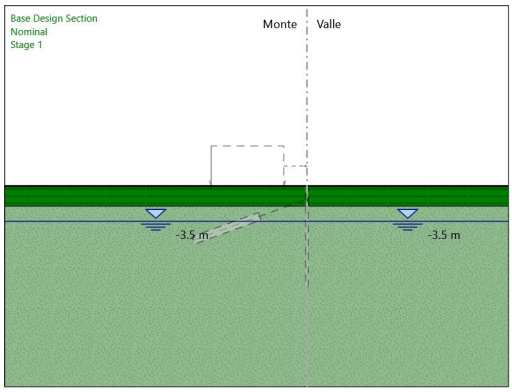
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage B	-6	0	0.01
Stage B	-6.1	0	0.01
Stage B	-6.2	0	0.01
Stage B	-6.3	0	0.01
Stage B	-6.4	0	0.01
Stage B	-6.5	0	0.01
Stage B	-6.6	0	0.01
Stage B	-6.7	0	0.01
Stage B	-6.8	0	0
Stage B	-6.9	0	0
Stage B	-7	0	0
Stage B	-7.1	0	0
Stage B	-7.2	0	0
Stage B	-7.3	0	0
Stage B	-7.4	0	0
Stage B	-7.5	0	0
Stage B	-7.6	0	0
Stage B	-7.7	0	0
Stage B	-7.8	0	0
Stage B	-7.9	0	0
Stage B	-8	0	0
Stage B	-8.1	0	0
Stage B	-8.2	0	0
Stage B	-8.3	0	0.01
Stage B	-8.4	0	0.01
Stage B	-8.5	0.01	0.01
Stage B	-8.6	0.01	0.01
Stage B	-8.7	0.01	0.01
Stage B	-8.8	0.01	0.01
Stage B	-8.9	0.01	0.01
Stage B	-9	0.01	0.01
Stage B	-9.1	0.01	0
Stage B	-9.2	0.01	0
Stage B	-9.3	0.01	0
Stage B	-9.4	0.01	-0.01
Stage B	-9.5	0.01	-0.01
Stage B	-9.6	0.01	-0.02
Stage B	-9.7	0	-0.02
Stage B	-9.8	0	-0.02
Stage B	-9.9	0	-0.01
Stage B	-10	0	-0.01

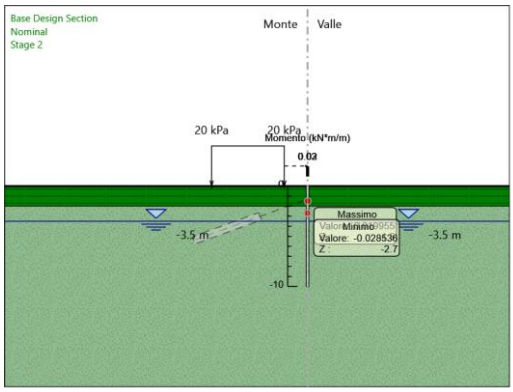
Tabella Risultati Paratia Nominal - Stage: Stage 3-

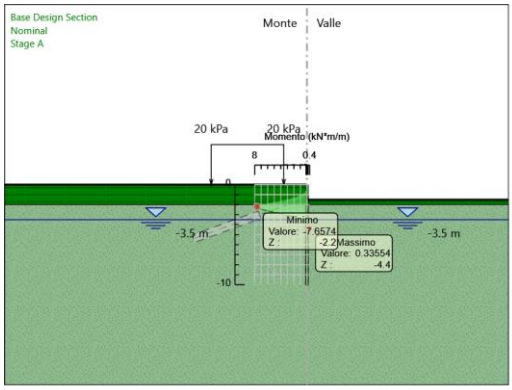
Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-	0	0	0
Stage 3-	-0.1	0	0
Stage 3-	-0.1	0	0
Stage 3-	-0.2	-0.06	-0.59
Stage 3-	-0.3	-0.24	-1.77
Stage 3-	-0.4	-0.59	-3.54
Stage 3-	-0.5	-1.18	-5.9
Stage 3-	-0.6	-2.03	-8.46
Stage 3-	-0.7	-3.13	-11.07
Stage 3-	-0.8	-4.51	-13.75
Stage 3-	-0.9	-6.15	-16.46
Stage 3-	-1	-8.08	-19.22
Stage 3-	-1.1	-10.28	-22.01
Stage 3-	-1.2	-12.76	-24.81
Stage 3-	-1.3	-15.52	-27.6
Stage 3-	-1.4	-13.15	23.7
Stage 3-	-1.5	-11.04	21.04
Stage 3-	-1.6	-9.2	18.47
Stage 3-	-1.7	-7.6	16.01
Stage 3-	-1.8	-6.23	13.69
Stage 3-	-1.9	-5.08	11.49
Stage 3-	-2	-4.14	9.43
Stage 3-	-2.1	-3.41	7.31
Stage 3-	-2.2	-2.83	5.8
Stage 3-	-2.3	-2.34	4.88
Stage 3-	-2.4	-1.88	4.53
Stage 3-	-2.5	-1.45	4.38
Stage 3-	-2.6	-1.01	4.33
Stage 3-	-2.7	-0.58	4.33
Stage 3-	-2.8	-0.15	4.33
Stage 3-	-2.9	0.29	4.33
Stage 3-	-3	0.72	4.33
Stage 3-	-3.1	1.15	4.33
Stage 3-	-3.2	1.59	4.33
Stage 3-	-3.3	2.02	4.33
Stage 3-	-3.4	2.45	4.33
Stage 3-	-3.5	2.88	4.33
Stage 3-	-3.6	3.32	4.33
Stage 3-	-3.7	3.74	4.25
Stage 3-	-3.8	4.15	4.08
Stage 3-	-3.9	4.53	3.83
Stage 3-	-4	4.88	3.49
Stage 3-	-4.1	5.19	3.07
Stage 3-	-4.2	5.45	2.57
Stage 3-	-4.3	5.64	1.98
Stage 3-	-4.4	5.78	1.31
Stage 3-	-4.5	5.83	0.55
Stage 3-	-4.6	5.8	-0.28
Stage 3-	-4.7	5.68	-1.21
Stage 3-	-4.8	5.46	-2.21
Stage 3-	-4.9	5.13	-3.31
Stage 3-	-5	4.68	-4.48
Stage 3-	-5.1	4.11	-5.74
Stage 3-	-5.2	3.4	-7.08
Stage 3-	-5.3	2.55	-8.51
Stage 3-	-5.4	1.55	-10.02
Stage 3-	-5.5	0.68	-8.65
Stage 3-	-5.6	-0.05	-7.29
Stage 3-	-5.7	-0.65	-6.01
Stage 3-	-5.8	-1.13	-4.82
Stage 3-	-5.9	-1.51	-3.75

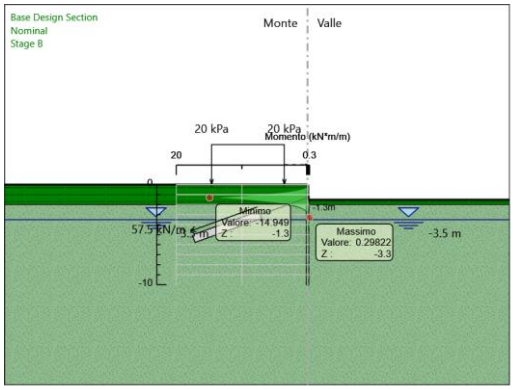
Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-	-6	-1.78	-2.78
Stage 3-	-6.1	-1.98	-1.94
Stage 3-	-6.2	-2.1	-1.21
Stage 3-	-6.3	-2.16	-0.6
Stage 3-	-6.4	-2.17	-0.08
Stage 3-	-6.5	-2.13	0.35
Stage 3-	-6.6	-2.06	0.68
Stage 3-	-6.7	-1.97	0.95
Stage 3-	-6.8	-1.86	1.14
Stage 3-	-6.9	-1.73	1.27
Stage 3-	-7	-1.59	1.36
Stage 3-	-7.1	-1.45	1.4
Stage 3-	-7.2	-1.31	1.41
Stage 3-	-7.3	-1.17	1.38
Stage 3-	-7.4	-1.04	1.34
Stage 3-	-7.5	-0.91	1.28
Stage 3-	-7.6	-0.79	1.2
Stage 3-	-7.7	-0.68	1.11
Stage 3-	-7.8	-0.58	1.02
Stage 3-	-7.9	-0.49	0.93
Stage 3-	-8	-0.4	0.83
Stage 3-	-8.1	-0.33	0.74
Stage 3-	-8.2	-0.26	0.65
Stage 3-	-8.3	-0.21	0.56
Stage 3-	-8.4	-0.16	0.48
Stage 3-	-8.5	-0.12	0.41
Stage 3-	-8.6	-0.08	0.34
Stage 3-	-8.7	-0.06	0.28
Stage 3-	-8.8	-0.03	0.22
Stage 3-	-8.9	-0.02	0.17
Stage 3-	-9	0	0.13
Stage 3-	-9.1	0.01	0.09
Stage 3-	-9.2	0.01	0.06
Stage 3-	-9.3	0.01	0.03
Stage 3-	-9.4	0.01	0.01
Stage 3-	-9.5	0.01	-0.01
Stage 3-	-9.6	0.01	-0.03
Stage 3-	-9.7	0.01	-0.03
Stage 3-	-9.8	0	-0.03
Stage 3-	-9.9	0	-0.03
Stage 3-	-10	0	-0.01

Grafico Momento Nominal









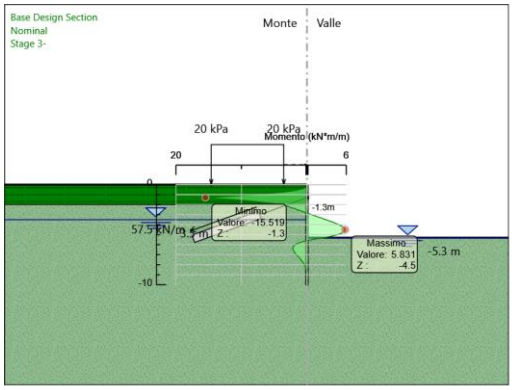
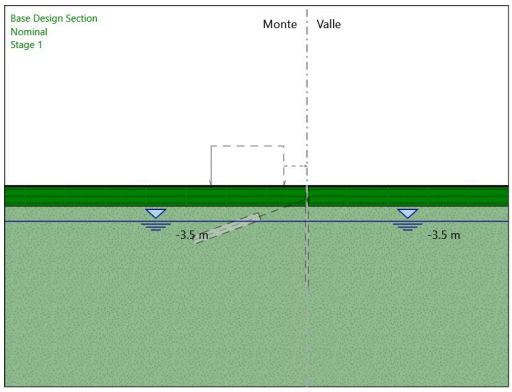
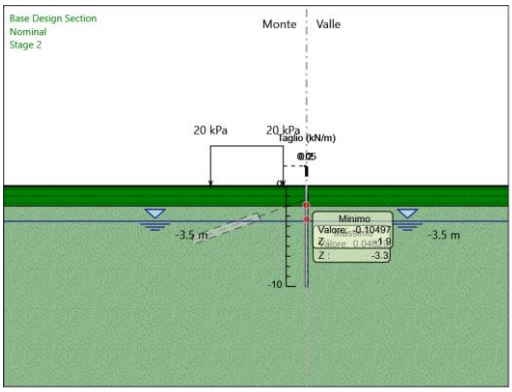
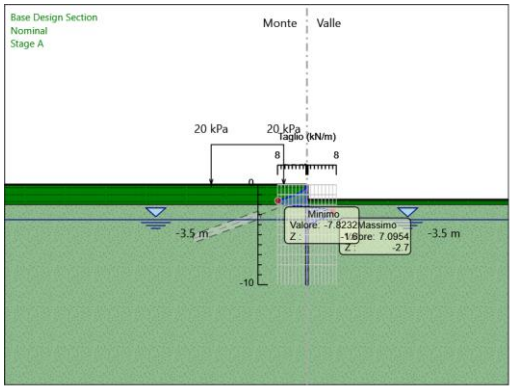
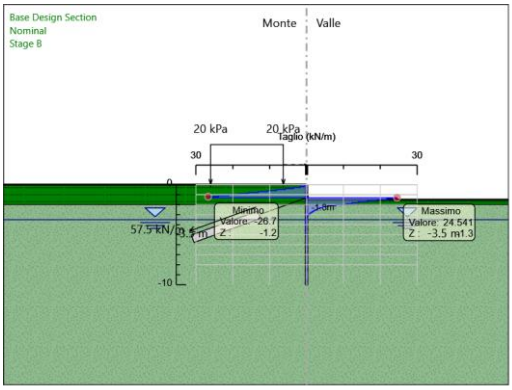


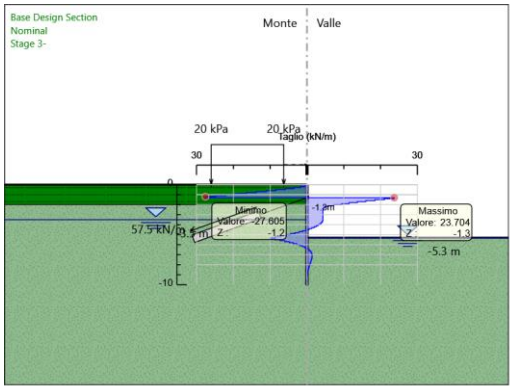
Grafico Taglio Nominal











Inviluppi Risultati Paratia Nominal

Risultati Elementi strutturali

Design Assumption: Nominal	Sollecitazione Tieback_New_New_New_New
Stage	Forza (kN/m)
Stage B	57.5
Stage 3-	57.52275

Risultati Terreno

Tabella Risultati Terreno Left Wall - Nominal - Stage 1

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)
Stage 1	0	0	0	V-C	0.32	3.1	0	0	0	0	0
Stage 1	-0.1	1.9	0.95	V-C	0.32	3.1	0	0	0	0	0.95
Stage 1	-0.2	3.8	1.9	V-C	0.32	3.1	0	0	0	0	1.9
Stage 1	-0.3	5.7	2.85	V-C	0.32	3.1	0	0	0	0	2.85
Stage 1	-0.4	7.6	3.8	V-C	0.32	3.1	0	0	0	0	3.8
Stage 1	-0.5	9.5	4.75	V-C	0.32	3.1	0	0	0	0	4.75
Stage 1	-0.6	11.4	5.7	V-C	0.32	3.1	0	0	0	0	5.7
Stage 1	-0.7	13.3	6.65	V-C	0.32	3.1	0	0	0	0	6.65
Stage 1	-0.8	15.2	7.6	V-C	0.32	3.1	0	0	0	0	7.6
Stage 1	-0.9	17.1	8.55	V-C	0.32	3.1	0	0	0	0	8.55
Stage 1	-1	19	9.5	V-C	0.32	3.1	0	0	0	0	9.5
Stage 1	-1.1	20.9	10.45	V-C	0.32	3.1	0	0	0	0	10.45
Stage 1	-1.2	22.8	11.4	V-C	0.32	3.1	0	0	0	0	11.4
Stage 1	-1.3	24.7	12.35	V-C	0.32	3.1	0	0	0	0	12.35
Stage 1	-1.4	26.6	13.3	V-C	0.32	3.1	0	0	0	0	13.3
Stage 1	-1.5	28.5	14.25	V-C	0.32	3.1	0	0	0	0	14.25
Stage 1	-1.6	30.4	15.2	V-C	0.32	3.1	0	0	0	0	15.2
Stage 1	-1.7	32.3	16.15	V-C	0.32	3.1	0	0	0	0	16.15
Stage 1	-1.8	34.2	17.1	V-C	0.32	3.1	0	0	0	0	17.1
Stage 1	-1.9	36.1	18.05	V-C	0.32	3.1	0	0	0	0	18.05
Stage 1	-2	38	19	V-C	0.217	4.599	40	0	0	0	19
Stage 1	-2.1	40.45	20.225	V-C	0.217	4.599	40	0	0	0	20.225
Stage 1	-2.2	42.9	21.45	V-C	0.217	4.599	40	0	0	0	21.45
Stage 1	-2.3	45.35	22.675	V-C	0.217	4.599	40	0	0	0	22.675
Stage 1	-2.4	47.8	23.9	V-C	0.217	4.599	40	0	0	0	23.9
Stage 1	-2.5	50.25	25.125	V-C	0.217	4.599	40	0	0	0	25.125
Stage 1	-2.6	52.7	26.35	V-C	0.217	4.599	40	0	0	0	26.35
Stage 1	-2.7	55.15	27.575	V-C	0.217	4.599	40	0	0	0	27.575
Stage 1	-2.8	57.6	28.8	V-C	0.217	4.599	40	0	0	0	28.8
Stage 1	-2.9	60.05	30.025	V-C	0.217	4.599	40	0	0	0	30.025
Stage 1	-3	62.5	31.25	V-C	0.217	4.599	40	0	0	0	31.25
Stage 1	-3.1	64.95	32.475	V-C	0.217	4.599	40	0	0	0	32.475
Stage 1	-3.2	67.4	33.7	V-C	0.217	4.599	40	0	0	0	33.7
Stage 1	-3.3	69.85	34.925	V-C	0.217	4.599	40	0	0	0	34.925
Stage 1	-3.4	72.3	36.15	V-C	0.217	4.599	40	0	0	0	36.15
Stage 1	-3.5	74.75	37.375	V-C	0.217	4.599	40	0	0	0	37.375
Stage 1	-3.6	76.2	38.1	V-C	0.217	4.599	40	1	0	0	39.1
Stage 1	-3.7	77.65	38.825	V-C	0.217	4.599	40	2	0	0	40.825
Stage 1	-3.8	79.1	39.55	V-C	0.217	4.599	40	3	0	0	42.55
Stage 1	-3.9	80.55	40.275	V-C	0.217	4.599	40	4	0	0	44.275
Stage 1	-4	82	41	V-C	0.217	4.599	40	5	0	0	46
Stage 1	-4.1	83.45	41.725	V-C	0.217	4.599	40	6	0	0	47.725
Stage 1	-4.2	84.9	42.45	V-C	0.217	4.599	40	7	0	0	49.45
Stage 1	-4.3	86.35	43.175	V-C	0.217	4.599	40	8	0	0	51.175
Stage 1	-4.4	87.8	43.9	V-C	0.217	4.599	40	9	0	0	52.9
Stage 1	-4.5	89.25	44.625	V-C	0.217	4.599	40	10	0	0	54.625
Stage 1	-4.6	90.7	45.35	V-C	0.217	4.599	40	11	0	0	56.35
Stage 1	-4.7	92.15	46.075	V-C	0.217	4.599	40	12	0	0	58.075
Stage 1	-4.8	93.6	46.8	V-C	0.217	4.599	40	13	0	0	59.8
Stage 1	-4.9	95.05	47.525	V-C	0.217	4.599	40	14	0	0	61.525
Stage 1	-5	96.5	48.25	V-C	0.217	4.599	40	15	0	0	63.25
Stage 1	-5.1	97.95	48.975	V-C	0.217	4.599	40	16	0	0	64.975
Stage 1	-5.2	99.4	49.7	V-C	0.217	4.599	40	17	0	0	66.7
Stage 1	-5.3	100.85	50.425	V-C	0.217	4.599	40	18	0	0	68.425
Stage 1	-5.4	102.3	51.15	V-C	0.217	4.599	40	19	0	0	70.15
Stage 1	-5.5	103.75	51.875	V-C	0.217	4.599	40	20	0	0	71.875
Stage 1	-5.6	105.2	52.6	V-C	0.217	4.599	40	21	0	0	73.6
Stage 1	-5.7	106.65	53.325	V-C	0.217	4.599	40	22	0	0	75.325

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)
Stage 1	-5.8	108.1	54.05	V-C	0.217	4.599	40	23	0	0	77.05
Stage 1	-5.9	109.55	54.775	V-C	0.217	4.599	40	24	0	0	78.775
Stage 1	-6	111	55.5	V-C	0.217	4.599	40	25	0	0	80.5
Stage 1	-6.1	112.45	56.225	V-C	0.217	4.599	40	26	0	0	82.225
Stage 1	-6.2	113.9	56.95	V-C	0.217	4.599	40	27	0	0	83.95
Stage 1	-6.3	115.35	57.675	V-C	0.217	4.599	40	28	0	0	85.675
Stage 1	-6.4	116.8	58.4	V-C	0.217	4.599	40	29	0	0	87.4
Stage 1	-6.5	118.25	59.125	V-C	0.217	4.599	40	30	0	0	89.125
Stage 1	-6.6	119.7	59.85	V-C	0.217	4.599	40	31	0	0	90.85
Stage 1	-6.7	121.15	60.575	V-C	0.217	4.599	40	32	0	0	92.575
Stage 1	-6.8	122.6	61.3	V-C	0.217	4.599	40	33	0	0	94.3
Stage 1	-6.9	124.05	62.025	V-C	0.217	4.599	40	34	0	0	96.025
Stage 1	-7	125.5	62.75	V-C	0.217	4.599	40	35	0	0	97.75
Stage 1	-7.1	126.95	63.475	V-C	0.217	4.599	40	36	0	0	99.475
Stage 1	-7.2	128.4	64.2	V-C	0.217	4.599	40	37	0	0	101.2
Stage 1	-7.3	129.85	64.925	V-C	0.217	4.599	40	38	0	0	102.925
Stage 1	-7.4	131.3	65.65	V-C	0.217	4.599	40	39	0	0	104.65
Stage 1	-7.5	132.75	66.375	V-C	0.217	4.599	40	40	0	0	106.375
Stage 1	-7.6	134.2	67.1	V-C	0.217	4.599	40	41	0	0	108.1
Stage 1	-7.7	135.65	67.825	V-C	0.217	4.599	40	42	0	0	109.825
Stage 1	-7.8	137.1	68.55	V-C	0.217	4.599	40	43	0	0	111.55
Stage 1	-7.9	138.55	69.275	V-C	0.217	4.599	40	44	0	0	113.275
Stage 1	-8	140	70	V-C	0.217	4.599	40	45	0	0	115
Stage 1	-8.1	141.45	70.725	V-C	0.217	4.599	40	46	0	0	116.725
Stage 1	-8.2	142.9	71.45	V-C	0.217	4.599	40	47	0	0	118.45
Stage 1	-8.3	144.35	72.175	V-C	0.217	4.599	40	48	0	0	120.175
Stage 1	-8.4	145.8	72.9	V-C	0.217	4.599	40	49	0	0	121.9
Stage 1	-8.5	147.25	73.625	V-C	0.217	4.599	40	50	0	0	123.625
Stage 1	-8.6	148.7	74.35	V-C	0.217	4.599	40	51	0	0	125.35
Stage 1	-8.7	150.15	75.075	V-C	0.217	4.599	40	52	0	0	127.075
Stage 1	-8.8	151.6	75.8	V-C	0.217	4.599	40	53	0	0	128.8
Stage 1	-8.9	153.05	76.525	V-C	0.217	4.599	40	54	0	0	130.525
Stage 1	-9	154.5	77.25	V-C	0.217	4.599	40	55	0	0	132.25
Stage 1	-9.1	155.95	77.975	V-C	0.217	4.599	40	56	0	0	133.975
Stage 1	-9.2	157.4	78.7	V-C	0.217	4.599	40	57	0	0	135.7
Stage 1	-9.3	158.85	79.425	V-C	0.217	4.599	40	58	0	0	137.425
Stage 1	-9.4	160.3	80.15	V-C	0.217	4.599	40	59	0	0	139.15
Stage 1	-9.5	161.75	80.875	V-C	0.217	4.599	40	60	0	0	140.875
Stage 1	-9.6	163.2	81.6	V-C	0.217	4.599	40	61	0	0	142.6
Stage 1	-9.7	164.65	82.325	V-C	0.217	4.599	40	62	0	0	144.325
Stage 1	-9.8	166.1	83.05	V-C	0.217	4.599	40	63	0	0	146.05
Stage 1	-9.9	167.55	83.775	V-C	0.217	4.599	40	64	0	0	147.775
Stage 1	-10	169	84.5	V-C	0.217	4.599	40	65	0	0	149.5

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)
Stage 1	0	0	0	V-C	0.32	3.1	0	0	0	0	0
Stage 1	-0.1	1.9	0.95	V-C	0.32	3.1	0	0	0	0	0.95
Stage 1	-0.2	3.8	1.9	V-C	0.32	3.1	0	0	0	0	1.9
Stage 1	-0.3	5.7	2.85	V-C	0.32	3.1	0	0	0	0	2.85
Stage 1	-0.4	7.6	3.8	V-C	0.32	3.1	0	0	0	0	3.8
Stage 1	-0.5	9.5	4.75	V-C	0.32	3.1	0	0	0	0	4.75
Stage 1	-0.6	11.4	5.7	V-C	0.32	3.1	0	0	0	0	5.7
Stage 1	-0.7	13.3	6.65	V-C	0.32	3.1	0	0	0	0	6.65
Stage 1	-0.8	15.2	7.6	V-C	0.32	3.1	0	0	0	0	7.6
Stage 1	-0.9	17.1	8.55	V-C	0.32	3.1	0	0	0	0	8.55
Stage 1	-1	19	9.5	V-C	0.32	3.1	0	0	0	0	9.5
Stage 1	-1.1	20.9	10.45	V-C	0.32	3.1	0	0	0	0	10.45
Stage 1	-1.2	22.8	11.4	V-C	0.32	3.1	0	0	0	0	11.4
Stage 1	-1.3	24.7	12.35	V-C	0.32	3.1	0	0	0	0	12.35
Stage 1	-1.4	26.6	13.3	V-C	0.32	3.1	0	0	0	0	13.3
Stage 1	-1.5	28.5	14.25	V-C	0.32	3.1	0	0	0	0	14.25
Stage 1	-1.6	30.4	15.2	V-C	0.32	3.1	0	0	0	0	15.2
Stage 1	-1.7	32.3	16.15	V-C	0.32	3.1	0	0	0	0	16.15
Stage 1	-1.8	34.2	17.1	V-C	0.32	3.1	0	0	0	0	17.1
Stage 1	-1.9	36.1	18.05	V-C	0.32	3.1	0	0	0	0	18.05
Stage 1	-2	38	19	V-C	0.217	4.599	40	0	0	0	19
Stage 1	-2.1	40.45	20.225	V-C	0.217	4.599	40	0	0	0	20.225
Stage 1	-2.2	42.9	21.45	V-C	0.217	4.599	40	0	0	0	21.45
Stage 1	-2.3	45.35	22.675	V-C	0.217	4.599	40	0	0	0	22.675
Stage 1	-2.4	47.8	23.9	V-C	0.217	4.599	40	0	0	0	23.9
Stage 1	-2.5	50.25	25.125	V-C	0.217	4.599	40	0	0	0	25.125
Stage 1	-2.6	52.7	26.35	V-C	0.217	4.599	40	0	0	0	26.35
Stage 1	-2.7	55.15	27.575	V-C	0.217	4.599	40	0	0	0	27.575
Stage 1	-2.8	57.6	28.8	V-C	0.217	4.599	40	0	0	0	28.8
Stage 1	-2.9	60.05	30.025	V-C	0.217	4.599	40	0	0	0	30.025
Stage 1	-3	62.5	31.25	V-C	0.217	4.599	40	0	0	0	31.25
Stage 1	-3.1	64.95	32.475	V-C	0.217	4.599	40	0	0	0	32.475
Stage 1	-3.2	67.4	33.7	V-C	0.217	4.599	40	0	0	0	33.7
Stage 1	-3.3	69.85	34.925	V-C	0.217	4.599	40	0	0	0	34.925
Stage 1	-3.4	72.3	36.15	V-C	0.217	4.599	40	0	0	0	36.15
Stage 1	-3.5	74.75	37.375	V-C	0.217	4.599	40	0	0	0	37.375
Stage 1	-3.6	76.2	38.1	V-C	0.217	4.599	40	1	0	0	39.1
Stage 1	-3.7	77.65	38.825	V-C	0.217	4.599	40	2	0	0	40.825
Stage 1	-3.8	79.1	39.55	V-C	0.217	4.599	40	3	0	0	42.55
Stage 1	-3.9	80.55	40.275	V-C	0.217	4.599	40	4	0	0	44.275
Stage 1	-4	82	41	V-C	0.217	4.599	40	5	0	0	46
Stage 1	-4.1	83.45	41.725	V-C	0.217	4.599	40	6	0	0	47.725
Stage 1	-4.2	84.9	42.45	V-C	0.217	4.599	40	7	0	0	49.45
Stage 1	-4.3	86.35	43.175	V-C	0.217	4.599	40	8	0	0	51.175
Stage 1	-4.4	87.8	43.9	V-C	0.217	4.599	40	9	0	0	52.9
Stage 1	-4.5	89.25	44.625	V-C	0.217	4.599	40	10	0	0	54.625
Stage 1	-4.6	90.7	45.35	V-C	0.217	4.599	40	11	0	0	56.35
Stage 1	-4.7	92.15	46.075	V-C	0.217	4.599	40	12	0	0	58.075
Stage 1	-4.8	93.6	46.8	V-C	0.217	4.599	40	13	0	0	59.8
Stage 1	-4.9	95.05	47.525	V-C	0.217	4.599	40	14	0	0	61.525
Stage 1	-5	96.5	48.25	V-C	0.217	4.599	40	15	0	0	63.25
Stage 1	-5.1	97.95	48.975	V-C	0.217	4.599	40	16	0	0	64.975
Stage 1	-5.2	99.4	49.7	V-C	0.217	4.599	40	17	0	0	66.7
Stage 1	-5.3	100.85	50.425	V-C	0.217	4.599	40	18	0	0	68.425
Stage 1	-5.4	102.3	51.15	V-C	0.217	4.599	40	19	0	0	70.15
Stage 1	-5.5	103.75	51.875	V-C	0.217	4.599	40	20	0	0	71.875
Stage 1	-5.6	105.2	52.6	V-C	0.217	4.599	40	21	0	0	73.6
Stage 1	-5.7	106.65	53.325	V-C	0.217	4.599	40	22	0	0	75.325
Stage 1	-5.8	108.1	54.05	V-C	0.217	4.599	40	23	0	0	77.05
Stage 1	-5.9	109.55	54.775	V-C	0.217	4.599	40	24	0	0	78.775
Stage 1	-6	111	55.5	V-C	0.217	4.599	40	25	0	0	80.5
Stage 1	-6.1	112.45	56.225	V-C	0.217	4.599	40	26	0	0	82.225
Stage 1	-6.2	113.9	56.95	V-C	0.217	4.599	40	27	0	0	83.95

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)
Stage 1	-6.3	115.35	57.675	V-C	0.217	4.599	40	28	0	0	85.675
Stage 1	-6.4	116.8	58.4	V-C	0.217	4.599	40	29	0	0	87.4
Stage 1	-6.5	118.25	59.125	V-C	0.217	4.599	40	30	0	0	89.125
Stage 1	-6.6	119.7	59.85	V-C	0.217	4.599	40	31	0	0	90.85
Stage 1	-6.7	121.15	60.575	V-C	0.217	4.599	40	32	0	0	92.575
Stage 1	-6.8	122.6	61.3	V-C	0.217	4.599	40	33	0	0	94.3
Stage 1	-6.9	124.05	62.025	V-C	0.217	4.599	40	34	0	0	96.025
Stage 1	-7	125.5	62.75	V-C	0.217	4.599	40	35	0	0	97.75
Stage 1	-7.1	126.95	63.475	V-C	0.217	4.599	40	36	0	0	99.475
Stage 1	-7.2	128.4	64.2	V-C	0.217	4.599	40	37	0	0	101.2
Stage 1	-7.3	129.85	64.925	V-C	0.217	4.599	40	38	0	0	102.925
Stage 1	-7.4	131.3	65.65	V-C	0.217	4.599	40	39	0	0	104.65
Stage 1	-7.5	132.75	66.375	V-C	0.217	4.599	40	40	0	0	106.375
Stage 1	-7.6	134.2	67.1	V-C	0.217	4.599	40	41	0	0	108.1
Stage 1	-7.7	135.65	67.825	V-C	0.217	4.599	40	42	0	0	109.825
Stage 1	-7.8	137.1	68.55	V-C	0.217	4.599	40	43	0	0	111.55
Stage 1	-7.9	138.55	69.275	V-C	0.217	4.599	40	44	0	0	113.275
Stage 1	-8	140	70	V-C	0.217	4.599	40	45	0	0	115
Stage 1	-8.1	141.45	70.725	V-C	0.217	4.599	40	46	0	0	116.725
Stage 1	-8.2	142.9	71.45	V-C	0.217	4.599	40	47	0	0	118.45
Stage 1	-8.3	144.35	72.175	V-C	0.217	4.599	40	48	0	0	120.175
Stage 1	-8.4	145.8	72.9	V-C	0.217	4.599	40	49	0	0	121.9
Stage 1	-8.5	147.25	73.625	V-C	0.217	4.599	40	50	0	0	123.625
Stage 1	-8.6	148.7	74.35	V-C	0.217	4.599	40	51	0	0	125.35
Stage 1	-8.7	150.15	75.075	V-C	0.217	4.599	40	52	0	0	127.075
Stage 1	-8.8	151.6	75.8	V-C	0.217	4.599	40	53	0	0	128.8
Stage 1	-8.9	153.05	76.525	V-C	0.217	4.599	40	54	0	0	130.525
Stage 1	-9	154.5	77.25	V-C	0.217	4.599	40	55	0	0	132.25
Stage 1	-9.1	155.95	77.975	V-C	0.217	4.599	40	56	0	0	133.975
Stage 1	-9.2	157.4	78.7	V-C	0.217	4.599	40	57	0	0	135.7
Stage 1	-9.3	158.85	79.425	V-C	0.217	4.599	40	58	0	0	137.425
Stage 1	-9.4	160.3	80.15	V-C	0.217	4.599	40	59	0	0	139.15
Stage 1	-9.5	161.75	80.875	V-C	0.217	4.599	40	60	0	0	140.875
Stage 1	-9.6	163.2	81.6	V-C	0.217	4.599	40	61	0	0	142.6
Stage 1	-9.7	164.65	82.325	V-C	0.217	4.599	40	62	0	0	144.325
Stage 1	-9.8	166.1	83.05	V-C	0.217	4.599	40	63	0	0	146.05
Stage 1	-9.9	167.55	83.775	V-C	0.217	4.599	40	64	0	0	147.775
Stage 1	-10	169	84.5	V-C	0.217	4.599	40	65	0	0	149.5

Tabella Risultati Terreno Left Wall - Nominal - Stage 2

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)
Stage 2	0	0	0	ACTIVE	0.32	3.1	0	0	0	0	0
Stage 2	-0.1	1.9	0.958	UL-RL	0.32	3.1	0	0	0	0	0.958
Stage 2	-0.2	3.803	1.899	UL-RL	0.32	3.1	0	0	0	0	1.899
Stage 2	-0.3	5.709	2.838	UL-RL	0.32	3.1	0	0	0	0	2.838
Stage 2	-0.4	7.621	3.779	UL-RL	0.32	3.1	0	0	0	0	3.779
Stage 2	-0.5	9.541	4.724	UL-RL	0.32	3.1	0	0	0	0	4.724
Stage 2	-0.6	11.469	5.673	UL-RL	0.32	3.1	0	0	0	0	5.673
Stage 2	-0.7	13.406	6.626	UL-RL	0.32	3.1	0	0	0	0	6.626
Stage 2	-0.8	15.353	7.585	UL-RL	0.32	3.1	0	0	0	0	7.585
Stage 2	-0.9	17.311	8.55	UL-RL	0.32	3.1	0	0	0	0	8.55
Stage 2	-1	19.278	9.519	UL-RL	0.32	3.1	0	0	0	0	9.519
Stage 2	-1.1	21.256	10.494	UL-RL	0.32	3.1	0	0	0	0	10.494
Stage 2	-1.2	23.242	11.475	UL-RL	0.32	3.1	0	0	0	0	11.475
Stage 2	-1.3	25.237	12.46	UL-RL	0.32	3.1	0	0	0	0	12.46
Stage 2	-1.4	27.24	13.45	UL-RL	0.32	3.1	0	0	0	0	13.45
Stage 2	-1.5	29.25	14.445	UL-RL	0.32	3.1	0	0	0	0	14.445
Stage 2	-1.6	31.265	15.443	UL-RL	0.32	3.1	0	0	0	0	15.443
Stage 2	-1.7	33.286	16.445	UL-RL	0.32	3.1	0	0	0	0	16.445
Stage 2	-1.8	35.31	17.45	UL-RL	0.32	3.1	0	0	0	0	17.45
Stage 2	-1.9	37.337	18.457	UL-RL	0.32	3.1	0	0	0	0	18.457
Stage 2	-2	39.367	18.955	UL-RL	0.217	4.599	40	0	0	0	18.955
Stage 2	-2.1	41.948	20.224	UL-RL	0.217	4.599	40	0	0	0	20.224
Stage 2	-2.2	44.529	21.491	UL-RL	0.217	4.599	40	0	0	0	21.491
Stage 2	-2.3	47.111	22.755	UL-RL	0.217	4.599	40	0	0	0	22.755
Stage 2	-2.4	49.692	24.014	UL-RL	0.217	4.599	40	0	0	0	24.014
Stage 2	-2.5	52.272	25.269	UL-RL	0.217	4.599	40	0	0	0	25.269
Stage 2	-2.6	54.85	26.517	UL-RL	0.217	4.599	40	0	0	0	26.517
Stage 2	-2.7	57.427	27.759	UL-RL	0.217	4.599	40	0	0	0	27.759
Stage 2	-2.8	60.001	28.995	UL-RL	0.217	4.599	40	0	0	0	28.995
Stage 2	-2.9	62.573	30.225	UL-RL	0.217	4.599	40	0	0	0	30.225
Stage 2	-3	65.143	31.448	UL-RL	0.217	4.599	40	0	0	0	31.448
Stage 2	-3.1	67.9	32.761	UL-RL	0.217	4.599	40	0	0	0	32.761
Stage 2	-3.2	70.524	34.003	UL-RL	0.217	4.599	40	0	0	0	34.003
Stage 2	-3.3	73.141	35.239	UL-RL	0.217	4.599	40	0	0	0	35.239
Stage 2	-3.4	75.96	36.574	UL-RL	0.217	4.599	40	0	0	0	36.574
Stage 2	-3.5	78.558	37.796	UL-RL	0.217	4.599	40	0	0	0	37.796
Stage 2	-3.6	80.348	38.613	UL-RL	0.217	4.599	40	1	0	0	39.613
Stage 2	-3.7	81.929	39.327	UL-RL	0.217	4.599	40	2	0	0	41.327
Stage 2	-3.8	83.505	40.038	UL-RL	0.217	4.599	40	3	0	0	43.038
Stage 2	-3.9	85.26	40.84	UL-RL	0.217	4.599	40	4	0	0	44.84
Stage 2	-4	86.823	41.547	UL-RL	0.217	4.599	40	5	0	0	46.547
Stage 2	-4.1	88.382	42.254	UL-RL	0.217	4.599	40	6	0	0	48.254
Stage 2	-4.2	90.108	43.046	UL-RL	0.217	4.599	40	7	0	0	50.046
Stage 2	-4.3	91.656	43.752	UL-RL	0.217	4.599	40	8	0	0	51.752
Stage 2	-4.4	93.363	44.539	UL-RL	0.217	4.599	40	9	0	0	53.539
Stage 2	-4.5	94.901	45.245	UL-RL	0.217	4.599	40	10	0	0	55.245
Stage 2	-4.6	96.436	45.951	UL-RL	0.217	4.599	40	11	0	0	56.951
Stage 2	-4.7	98.121	46.735	UL-RL	0.217	4.599	40	12	0	0	58.735
Stage 2	-4.8	99.648	47.442	UL-RL	0.217	4.599	40	13	0	0	60.442
Stage 2	-4.9	101.319	48.223	UL-RL	0.217	4.599	40	14	0	0	62.223
Stage 2	-5	102.839	48.931	UL-RL	0.217	4.599	40	15	0	0	63.931
Stage 2	-5.1	104.357	49.64	UL-RL	0.217	4.599	40	16	0	0	65.64
Stage 2	-5.2	106.011	50.419	UL-RL	0.217	4.599	40	17	0	0	67.419
Stage 2	-5.3	107.522	51.128	UL-RL	0.217	4.599	40	18	0	0	69.128
Stage 2	-5.4	109.165	51.905	UL-RL	0.217	4.599	40	19	0	0	70.905
Stage 2	-5.5	110.671	52.616	UL-RL	0.217	4.599	40	20	0	0	72.616
Stage 2	-5.6	112.176	53.327	UL-RL	0.217	4.599	40	21	0	0	74.327
Stage 2	-5.7	113.804	54.101	UL-RL	0.217	4.599	40	22	0	0	76.101
Stage 2	-5.8	115.304	54.813	UL-RL	0.217	4.599	40	23	0	0	77.813
Stage 2	-5.9	116.802	55.525	UL-RL	0.217	4.599	40	24	0	0	79.525
Stage 2	-6	118.419	56.297	UL-RL	0.217	4.599	40	25	0	0	81.297

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)
Stage 2	-6.1	119.914	57.009	UL-RL	0.217		4.599	40	26	0	0	83.009
Stage 2	-6.2	121.522	57.779	UL-RL	0.217		4.599	40	27	0	0	84.779
Stage 2	-6.3	123.013	58.491	UL-RL	0.217		4.599	40	28	0	0	86.491
Stage 2	-6.4	124.502	59.203	UL-RL	0.217		4.599	40	29	0	0	88.203
Stage 2	-6.5	126.101	59.971	UL-RL	0.217		4.599	40	30	0	0	89.971
Stage 2	-6.6	127.587	60.683	UL-RL	0.217		4.599	40	31	0	0	91.683
Stage 2	-6.7	129.179	61.449	UL-RL	0.217		4.599	40	32	0	0	93.449
Stage 2	-6.8	130.662	62.161	UL-RL	0.217		4.599	40	33	0	0	95.161
Stage 2	-6.9	132.145	62.874	UL-RL	0.217		4.599	40	34	0	0	96.874
Stage 2	-7	133.729	63.638	UL-RL	0.217		4.599	40	35	0	0	98.638
Stage 2	-7.1	135.208	64.35	UL-RL	0.217		4.599	40	36	0	0	100.35
Stage 2	-7.2	136.787	65.113	UL-RL	0.217		4.599	40	37	0	0	102.112
Stage 2	-7.3	138.264	65.825	UL-RL	0.217		4.599	40	38	0	0	103.825
Stage 2	-7.4	139.741	66.538	UL-RL	0.217		4.599	40	39	0	0	105.538
Stage 2	-7.5	141.312	67.299	UL-RL	0.217		4.599	40	40	0	0	107.298
Stage 2	-7.6	142.787	68.011	UL-RL	0.217		4.599	40	41	0	0	109.011
Stage 2	-7.7	144.26	68.724	UL-RL	0.217		4.599	40	42	0	0	110.724
Stage 2	-7.8	145.826	69.483	UL-RL	0.217		4.599	40	43	0	0	112.483
Stage 2	-7.9	147.298	70.196	UL-RL	0.217		4.599	40	44	0	0	114.196
Stage 2	-8	148.859	70.954	UL-RL	0.217		4.599	40	45	0	0	115.954
Stage 2	-8.1	150.329	71.667	UL-RL	0.217		4.599	40	46	0	0	117.667
Stage 2	-8.2	151.798	72.38	UL-RL	0.217		4.599	40	47	0	0	119.38
Stage 2	-8.3	153.354	73.138	UL-RL	0.217		4.599	40	48	0	0	121.138
Stage 2	-8.4	154.822	73.852	UL-RL	0.217		4.599	40	49	0	0	122.852
Stage 2	-8.5	156.374	74.609	UL-RL	0.217		4.599	40	50	0	0	124.609
Stage 2	-8.6	157.84	75.324	UL-RL	0.217		4.599	40	51	0	0	126.324
Stage 2	-8.7	159.307	76.04	UL-RL	0.217		4.599	40	52	0	0	128.04
Stage 2	-8.8	160.854	76.798	UL-RL	0.217		4.599	40	53	0	0	129.798
Stage 2	-8.9	162.319	77.517	UL-RL	0.217		4.599	40	54	0	0	131.517
Stage 2	-9	163.863	78.276	UL-RL	0.217		4.599	40	55	0	0	133.276
Stage 2	-9.1	165.326	78.997	UL-RL	0.217		4.599	40	56	0	0	134.997
Stage 2	-9.2	166.79	79.719	UL-RL	0.217		4.599	40	57	0	0	136.719
Stage 2	-9.3	168.33	80.482	UL-RL	0.217		4.599	40	58	0	0	138.482
Stage 2	-9.4	169.792	81.207	UL-RL	0.217		4.599	40	59	0	0	140.207
Stage 2	-9.5	171.254	81.934	UL-RL	0.217		4.599	40	60	0	0	141.934
Stage 2	-9.6	172.64	82.624	UL-RL	0.217		4.599	40	61	0	0	143.624
Stage 2	-9.7	174.028	83.316	UL-RL	0.217		4.599	40	62	0	0	145.316
Stage 2	-9.8	175.416	84.009	UL-RL	0.217		4.599	40	63	0	0	147.008
Stage 2	-9.9	176.805	84.702	UL-RL	0.217		4.599	40	64	0	0	148.702
Stage 2	-10	178.195	85.396	UL-RL	0.217		4.599	40	65	0	0	150.396

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)
Stage 2	0	0	0	PASSIVE	0.32	3.1	0	0	0	0	0
Stage 2	-0.1	1.9	0.943	UL-RL	0.32	3.1	0	0	0	0	0.943
Stage 2	-0.2	3.8	1.901	V-C	0.32	3.1	0	0	0	0	1.901
Stage 2	-0.3	5.7	2.856	V-C	0.32	3.1	0	0	0	0	2.856
Stage 2	-0.4	7.6	3.811	V-C	0.32	3.1	0	0	0	0	3.811
Stage 2	-0.5	9.5	4.766	V-C	0.32	3.1	0	0	0	0	4.766
Stage 2	-0.6	11.4	5.721	V-C	0.32	3.1	0	0	0	0	5.721
Stage 2	-0.7	13.3	6.676	V-C	0.32	3.1	0	0	0	0	6.676
Stage 2	-0.8	15.2	7.631	V-C	0.32	3.1	0	0	0	0	7.631
Stage 2	-0.9	17.1	8.586	V-C	0.32	3.1	0	0	0	0	8.586
Stage 2	-1	19	9.541	V-C	0.32	3.1	0	0	0	0	9.541
Stage 2	-1.1	20.9	10.495	V-C	0.32	3.1	0	0	0	0	10.495
Stage 2	-1.2	22.8	11.45	V-C	0.32	3.1	0	0	0	0	11.45
Stage 2	-1.3	24.7	12.404	V-C	0.32	3.1	0	0	0	0	12.404
Stage 2	-1.4	26.6	13.358	V-C	0.32	3.1	0	0	0	0	13.358
Stage 2	-1.5	28.5	14.311	V-C	0.32	3.1	0	0	0	0	14.311
Stage 2	-1.6	30.4	15.264	V-C	0.32	3.1	0	0	0	0	15.264
Stage 2	-1.7	32.3	16.217	V-C	0.32	3.1	0	0	0	0	16.217
Stage 2	-1.8	34.2	17.169	V-C	0.32	3.1	0	0	0	0	17.169
Stage 2	-1.9	36.1	18.122	V-C	0.32	3.1	0	0	0	0	18.122
Stage 2	-2	38	19.198	V-C	0.217	4.599	40	0	0	0	19.198
Stage 2	-2.1	40.45	20.429	V-C	0.217	4.599	40	0	0	0	20.429
Stage 2	-2.2	42.9	21.66	V-C	0.217	4.599	40	0	0	0	21.66
Stage 2	-2.3	45.35	22.893	V-C	0.217	4.599	40	0	0	0	22.893
Stage 2	-2.4	47.8	24.126	V-C	0.217	4.599	40	0	0	0	24.126
Stage 2	-2.5	50.25	25.361	V-C	0.217	4.599	40	0	0	0	25.361
Stage 2	-2.6	52.7	26.597	V-C	0.217	4.599	40	0	0	0	26.597
Stage 2	-2.7	55.15	27.834	V-C	0.217	4.599	40	0	0	0	27.834
Stage 2	-2.8	57.6	29.073	V-C	0.217	4.599	40	0	0	0	29.073
Stage 2	-2.9	60.05	30.314	V-C	0.217	4.599	40	0	0	0	30.314
Stage 2	-3	62.5	31.555	V-C	0.217	4.599	40	0	0	0	31.555
Stage 2	-3.1	64.95	32.798	V-C	0.217	4.599	40	0	0	0	32.798
Stage 2	-3.2	67.4	34.042	V-C	0.217	4.599	40	0	0	0	34.042
Stage 2	-3.3	69.85	35.287	V-C	0.217	4.599	40	0	0	0	35.287
Stage 2	-3.4	72.3	36.532	V-C	0.217	4.599	40	0	0	0	36.532
Stage 2	-3.5	74.75	37.778	V-C	0.217	4.599	40	0	0	0	37.778
Stage 2	-3.6	76.2	38.524	V-C	0.217	4.599	40	1	0	0	39.524
Stage 2	-3.7	77.65	39.27	V-C	0.217	4.599	40	2	0	0	41.27
Stage 2	-3.8	79.1	40.016	V-C	0.217	4.599	40	3	0	0	43.016
Stage 2	-3.9	80.55	40.762	V-C	0.217	4.599	40	4	0	0	44.762
Stage 2	-4	82	41.507	V-C	0.217	4.599	40	5	0	0	46.507
Stage 2	-4.1	83.45	42.252	V-C	0.217	4.599	40	6	0	0	48.252
Stage 2	-4.2	84.9	42.996	V-C	0.217	4.599	40	7	0	0	49.996
Stage 2	-4.3	86.35	43.739	V-C	0.217	4.599	40	8	0	0	51.739
Stage 2	-4.4	87.8	44.482	V-C	0.217	4.599	40	9	0	0	53.482
Stage 2	-4.5	89.25	45.225	V-C	0.217	4.599	40	10	0	0	55.225
Stage 2	-4.6	90.7	45.966	V-C	0.217	4.599	40	11	0	0	56.966
Stage 2	-4.7	92.15	46.707	V-C	0.217	4.599	40	12	0	0	58.707
Stage 2	-4.8	93.6	47.448	V-C	0.217	4.599	40	13	0	0	60.448
Stage 2	-4.9	95.05	48.187	V-C	0.217	4.599	40	14	0	0	62.187
Stage 2	-5	96.5	48.926	V-C	0.217	4.599	40	15	0	0	63.926
Stage 2	-5.1	97.95	49.665	V-C	0.217	4.599	40	16	0	0	65.665
Stage 2	-5.2	99.4	50.403	V-C	0.217	4.599	40	17	0	0	67.403
Stage 2	-5.3	100.85	51.141	V-C	0.217	4.599	40	18	0	0	69.141
Stage 2	-5.4	102.3	51.878	V-C	0.217	4.599	40	19	0	0	70.878
Stage 2	-5.5	103.75	52.614	V-C	0.217	4.599	40	20	0	0	72.614
Stage 2	-5.6	105.2	53.35	V-C	0.217	4.599	40	21	0	0	74.35
Stage 2	-5.7	106.65	54.086	V-C	0.217	4.599	40	22	0	0	76.086
Stage 2	-5.8	108.1	54.822	V-C	0.217	4.599	40	23	0	0	77.822
Stage 2	-5.9	109.55	55.557	V-C	0.217	4.599	40	24	0	0	79.557
Stage 2	-6	111	56.292	V-C	0.217	4.599	40	25	0	0	81.292
Stage 2	-6.1	112.45	57.026	V-C	0.217	4.599	40	26	0	0	83.026
Stage 2	-6.2	113.9	57.76	V-C	0.217	4.599	40	27	0	0	84.76

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)
Stage 2	-6.3	115.35	58.495	V-C	0.217	4.599	40	28	0	0	86.495
Stage 2	-6.4	116.8	59.228	V-C	0.217	4.599	40	29	0	0	88.228
Stage 2	-6.5	118.25	59.962	V-C	0.217	4.599	40	30	0	0	89.962
Stage 2	-6.6	119.7	60.695	V-C	0.217	4.599	40	31	0	0	91.695
Stage 2	-6.7	121.15	61.429	V-C	0.217	4.599	40	32	0	0	93.429
Stage 2	-6.8	122.6	62.162	V-C	0.217	4.599	40	33	0	0	95.162
Stage 2	-6.9	124.05	62.894	V-C	0.217	4.599	40	34	0	0	96.894
Stage 2	-7	125.5	63.627	V-C	0.217	4.599	40	35	0	0	98.627
Stage 2	-7.1	126.95	64.359	V-C	0.217	4.599	40	36	0	0	100.359
Stage 2	-7.2	128.4	65.092	V-C	0.217	4.599	40	37	0	0	102.092
Stage 2	-7.3	129.85	65.824	V-C	0.217	4.599	40	38	0	0	103.824
Stage 2	-7.4	131.3	66.556	V-C	0.217	4.599	40	39	0	0	105.556
Stage 2	-7.5	132.75	67.288	V-C	0.217	4.599	40	40	0	0	107.288
Stage 2	-7.6	134.2	68.019	V-C	0.217	4.599	40	41	0	0	109.019
Stage 2	-7.7	135.65	68.751	V-C	0.217	4.599	40	42	0	0	110.751
Stage 2	-7.8	137.1	69.482	V-C	0.217	4.599	40	43	0	0	112.482
Stage 2	-7.9	138.55	70.213	V-C	0.217	4.599	40	44	0	0	114.213
Stage 2	-8	140	70.945	V-C	0.217	4.599	40	45	0	0	115.944
Stage 2	-8.1	141.45	71.676	V-C	0.217	4.599	40	46	0	0	117.676
Stage 2	-8.2	142.9	72.406	V-C	0.217	4.599	40	47	0	0	119.406
Stage 2	-8.3	144.35	73.137	V-C	0.217	4.599	40	48	0	0	121.137
Stage 2	-8.4	145.8	73.867	V-C	0.217	4.599	40	49	0	0	122.867
Stage 2	-8.5	147.25	74.598	V-C	0.217	4.599	40	50	0	0	124.598
Stage 2	-8.6	148.7	75.327	V-C	0.217	4.599	40	51	0	0	126.327
Stage 2	-8.7	150.15	76.057	V-C	0.217	4.599	40	52	0	0	128.057
Stage 2	-8.8	151.6	76.786	V-C	0.217	4.599	40	53	0	0	129.786
Stage 2	-8.9	153.05	77.515	V-C	0.217	4.599	40	54	0	0	131.515
Stage 2	-9	154.5	78.244	V-C	0.217	4.599	40	55	0	0	133.244
Stage 2	-9.1	155.95	78.972	V-C	0.217	4.599	40	56	0	0	134.972
Stage 2	-9.2	157.4	79.699	V-C	0.217	4.599	40	57	0	0	136.699
Stage 2	-9.3	158.85	80.426	V-C	0.217	4.599	40	58	0	0	138.426
Stage 2	-9.4	160.3	81.153	V-C	0.217	4.599	40	59	0	0	140.153
Stage 2	-9.5	161.75	81.879	V-C	0.217	4.599	40	60	0	0	141.879
Stage 2	-9.6	163.2	82.605	V-C	0.217	4.599	40	61	0	0	143.605
Stage 2	-9.7	164.65	83.33	V-C	0.217	4.599	40	62	0	0	145.33
Stage 2	-9.8	166.1	84.056	V-C	0.217	4.599	40	63	0	0	147.056
Stage 2	-9.9	167.55	84.781	V-C	0.217	4.599	40	64	0	0	148.781
Stage 2	-10	169	85.506	V-C	0.217	4.599	40	65	0	0	150.506

Tabella Risultati Terreno Left Wall - Nominal - Stage A

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)
Stage A	0	0	0	ACTIVE	0.32	3.1	0	0	0	0	0
Stage A	-0.1	1.9	0.608	ACTIVE	0.32	3.1	0	0	0	0	0.608
Stage A	-0.2	3.803	1.217	ACTIVE	0.32	3.1	0	0	0	0	1.217
Stage A	-0.3	5.709	1.827	ACTIVE	0.32	3.1	0	0	0	0	1.827
Stage A	-0.4	7.621	2.439	ACTIVE	0.32	3.1	0	0	0	0	2.439
Stage A	-0.5	9.541	3.053	ACTIVE	0.32	3.1	0	0	0	0	3.053
Stage A	-0.6	11.469	3.67	ACTIVE	0.32	3.1	0	0	0	0	3.67
Stage A	-0.7	13.406	4.29	ACTIVE	0.32	3.1	0	0	0	0	4.29
Stage A	-0.8	15.353	4.913	ACTIVE	0.32	3.1	0	0	0	0	4.913
Stage A	-0.9	17.311	5.539	ACTIVE	0.32	3.1	0	0	0	0	5.539
Stage A	-1	19.278	6.169	ACTIVE	0.32	3.1	0	0	0	0	6.169
Stage A	-1.1	21.256	6.802	ACTIVE	0.32	3.1	0	0	0	0	6.802
Stage A	-1.2	23.242	7.438	ACTIVE	0.32	3.1	0	0	0	0	7.438
Stage A	-1.3	25.237	8.076	ACTIVE	0.32	3.1	0	0	0	0	8.076
Stage A	-1.4	27.24	8.717	ACTIVE	0.32	3.1	0	0	0	0	8.717
Stage A	-1.5	29.25	9.36	ACTIVE	0.32	3.1	0	0	0	0	9.36
Stage A	-1.6	31.265	10.005	ACTIVE	0.32	3.1	0	0	0	0	10.005
Stage A	-1.7	33.286	10.651	ACTIVE	0.32	3.1	0	0	0	0	10.651
Stage A	-1.8	35.31	11.299	ACTIVE	0.32	3.1	0	0	0	0	11.299
Stage A	-1.9	37.337	11.948	ACTIVE	0.32	3.1	0	0	0	0	11.948
Stage A	-2	39.367	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage A	-2.1	41.948	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage A	-2.2	44.529	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage A	-2.3	47.111	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage A	-2.4	49.692	5.533	UL-RL	0.217	4.599	40	0	0	0	5.533
Stage A	-2.5	52.272	11.266	UL-RL	0.217	4.599	40	0	0	0	11.266
Stage A	-2.6	54.85	16.168	UL-RL	0.217	4.599	40	0	0	0	16.168
Stage A	-2.7	57.427	20.316	UL-RL	0.217	4.599	40	0	0	0	20.316
Stage A	-2.8	60.001	23.794	UL-RL	0.217	4.599	40	0	0	0	23.794
Stage A	-2.9	62.573	26.687	UL-RL	0.217	4.599	40	0	0	0	26.687
Stage A	-3	65.143	29.081	UL-RL	0.217	4.599	40	0	0	0	29.081
Stage A	-3.1	67.9	31.155	UL-RL	0.217	4.599	40	0	0	0	31.155
Stage A	-3.2	70.524	32.824	UL-RL	0.217	4.599	40	0	0	0	32.824
Stage A	-3.3	73.141	34.222	UL-RL	0.217	4.599	40	0	0	0	34.222
Stage A	-3.4	75.96	35.515	UL-RL	0.217	4.599	40	0	0	0	35.515
Stage A	-3.5	78.558	36.545	UL-RL	0.217	4.599	40	0	0	0	36.545
Stage A	-3.6	80.348	37.065	UL-RL	0.217	4.599	40	1	0	0	38.065
Stage A	-3.7	81.929	37.414	UL-RL	0.217	4.599	40	2	0	0	39.414
Stage A	-3.8	83.505	37.723	UL-RL	0.217	4.599	40	3	0	0	40.723
Stage A	-3.9	85.26	38.111	UL-RL	0.217	4.599	40	4	0	0	42.111
Stage A	-4	86.823	38.409	UL-RL	0.217	4.599	40	5	0	0	43.409
Stage A	-4.1	88.382	38.728	UL-RL	0.217	4.599	40	6	0	0	44.727
Stage A	-4.2	90.108	39.16	UL-RL	0.217	4.599	40	7	0	0	46.16
Stage A	-4.3	91.656	39.541	UL-RL	0.217	4.599	40	8	0	0	47.541
Stage A	-4.4	93.363	40.043	UL-RL	0.217	4.599	40	9	0	0	49.042
Stage A	-4.5	94.901	40.501	UL-RL	0.217	4.599	40	10	0	0	50.501
Stage A	-4.6	96.436	41	UL-RL	0.217	4.599	40	11	0	0	52
Stage A	-4.7	98.121	41.612	UL-RL	0.217	4.599	40	12	0	0	53.612
Stage A	-4.8	99.648	42.182	UL-RL	0.217	4.599	40	13	0	0	55.182
Stage A	-4.9	101.319	42.857	UL-RL	0.217	4.599	40	14	0	0	56.857
Stage A	-5	102.839	43.486	UL-RL	0.217	4.599	40	15	0	0	58.486
Stage A	-5.1	104.357	44.139	UL-RL	0.217	4.599	40	16	0	0	60.139
Stage A	-5.2	106.011	44.881	UL-RL	0.217	4.599	40	17	0	0	61.881
Stage A	-5.3	107.522	45.571	UL-RL	0.217	4.599	40	18	0	0	63.571
Stage A	-5.4	109.165	46.341	UL-RL	0.217	4.599	40	19	0	0	65.341
Stage A	-5.5	110.671	47.055	UL-RL	0.217	4.599	40	20	0	0	67.055
Stage A	-5.6	112.176	47.777	UL-RL	0.217	4.599	40	21	0	0	68.777
Stage A	-5.7	113.804	48.569	UL-RL	0.217	4.599	40	22	0	0	70.569
Stage A	-5.8	115.304	49.301	UL-RL	0.217	4.599	40	23	0	0	72.301
Stage A	-5.9	116.802	50.036	UL-RL	0.217	4.599	40	24	0	0	74.036
Stage A	-6	118.419	50.832	UL-RL	0.217	4.599	40	25	0	0	75.832

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)
Stage A	-6.1	119.914	51.568	UL-RL	0.217	4.599	40	26	0	0	77.568
Stage A	-6.2	121.522	52.361	UL-RL	0.217	4.599	40	27	0	0	79.361
Stage A	-6.3	123.013	53.095	UL-RL	0.217	4.599	40	28	0	0	81.095
Stage A	-6.4	124.502	53.828	UL-RL	0.217	4.599	40	29	0	0	82.828
Stage A	-6.5	126.101	54.614	UL-RL	0.217	4.599	40	30	0	0	84.614
Stage A	-6.6	127.587	55.343	UL-RL	0.217	4.599	40	31	0	0	86.343
Stage A	-6.7	129.179	56.124	UL-RL	0.217	4.599	40	32	0	0	88.124
Stage A	-6.8	130.662	56.85	UL-RL	0.217	4.599	40	33	0	0	89.85
Stage A	-6.9	132.145	57.574	UL-RL	0.217	4.599	40	34	0	0	91.574
Stage A	-7	133.729	58.348	UL-RL	0.217	4.599	40	35	0	0	93.348
Stage A	-7.1	135.208	59.069	UL-RL	0.217	4.599	40	36	0	0	95.069
Stage A	-7.2	136.787	59.839	UL-RL	0.217	4.599	40	37	0	0	96.839
Stage A	-7.3	138.264	60.558	UL-RL	0.217	4.599	40	38	0	0	98.558
Stage A	-7.4	139.741	61.276	UL-RL	0.217	4.599	40	39	0	0	100.276
Stage A	-7.5	141.312	62.041	UL-RL	0.217	4.599	40	40	0	0	102.041
Stage A	-7.6	142.787	62.758	UL-RL	0.217	4.599	40	41	0	0	103.758
Stage A	-7.7	144.26	63.475	UL-RL	0.217	4.599	40	42	0	0	105.475
Stage A	-7.8	145.826	64.237	UL-RL	0.217	4.599	40	43	0	0	107.237
Stage A	-7.9	147.298	64.953	UL-RL	0.217	4.599	40	44	0	0	108.953
Stage A	-8	148.859	65.713	UL-RL	0.217	4.599	40	45	0	0	110.713
Stage A	-8.1	150.329	66.429	UL-RL	0.217	4.599	40	46	0	0	112.429
Stage A	-8.2	151.798	67.145	UL-RL	0.217	4.599	40	47	0	0	114.144
Stage A	-8.3	153.354	67.904	UL-RL	0.217	4.599	40	48	0	0	115.904
Stage A	-8.4	154.822	68.62	UL-RL	0.217	4.599	40	49	0	0	117.62
Stage A	-8.5	156.374	69.38	UL-RL	0.217	4.599	40	50	0	0	119.38
Stage A	-8.6	157.84	70.097	UL-RL	0.217	4.599	40	51	0	0	121.097
Stage A	-8.7	159.307	70.816	UL-RL	0.217	4.599	40	52	0	0	122.816
Stage A	-8.8	160.854	71.576	UL-RL	0.217	4.599	40	53	0	0	124.576
Stage A	-8.9	162.319	72.296	UL-RL	0.217	4.599	40	54	0	0	126.296
Stage A	-9	163.863	73.058	UL-RL	0.217	4.599	40	55	0	0	128.058
Stage A	-9.1	165.326	73.781	UL-RL	0.217	4.599	40	56	0	0	129.781
Stage A	-9.2	166.79	74.506	UL-RL	0.217	4.599	40	57	0	0	131.506
Stage A	-9.3	168.33	75.271	UL-RL	0.217	4.599	40	58	0	0	133.271
Stage A	-9.4	169.792	75.998	UL-RL	0.217	4.599	40	59	0	0	134.998
Stage A	-9.5	171.254	76.727	UL-RL	0.217	4.599	40	60	0	0	136.727
Stage A	-9.6	172.64	77.42	UL-RL	0.217	4.599	40	61	0	0	138.42
Stage A	-9.7	174.028	78.114	UL-RL	0.217	4.599	40	62	0	0	140.114
Stage A	-9.8	175.416	78.809	UL-RL	0.217	4.599	40	63	0	0	141.809
Stage A	-9.9	176.805	79.505	UL-RL	0.217	4.599	40	64	0	0	143.505
Stage A	-10	178.195	80.202	UL-RL	0.217	4.599	40	65	0	0	145.202

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)
Stage A	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-0.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage A	-1.5	0	0	PASSIVE	0.32	3.1	0	0	0	0	0
Stage A	-1.6	1.9	5.89	PASSIVE	0.32	3.1	0	0	0	0	5.89
Stage A	-1.7	3.8	11.78	PASSIVE	0.32	3.1	0	0	0	0	11.78
Stage A	-1.8	5.7	17.35	V-C	0.32	3.1	0	0	0	0	17.35
Stage A	-1.9	7.6	17.174	UL-RL	0.32	3.1	0	0	0	0	17.174
Stage A	-2	9.5	25.627	V-C	0.217	4.599	40	0	0	0	25.627
Stage A	-2.1	11.95	24.812	V-C	0.217	4.599	40	0	0	0	24.812
Stage A	-2.2	14.4	24.211	V-C	0.217	4.599	40	0	0	0	24.211
Stage A	-2.3	16.85	23.84	V-C	0.217	4.599	40	0	0	0	23.84
Stage A	-2.4	19.3	23.45	UL-RL	0.217	4.599	40	0	0	0	23.45
Stage A	-2.5	21.75	22.855	UL-RL	0.217	4.599	40	0	0	0	22.855
Stage A	-2.6	24.2	22.603	UL-RL	0.217	4.599	40	0	0	0	22.603
Stage A	-2.7	26.65	22.665	UL-RL	0.217	4.599	40	0	0	0	22.665
Stage A	-2.8	29.1	23.006	UL-RL	0.217	4.599	40	0	0	0	23.006
Stage A	-2.9	31.55	23.591	UL-RL	0.217	4.599	40	0	0	0	23.591
Stage A	-3	34	24.384	UL-RL	0.217	4.599	40	0	0	0	24.384
Stage A	-3.1	36.45	25.35	UL-RL	0.217	4.599	40	0	0	0	25.35
Stage A	-3.2	38.9	26.457	UL-RL	0.217	4.599	40	0	0	0	26.457
Stage A	-3.3	41.35	27.676	UL-RL	0.217	4.599	40	0	0	0	27.676
Stage A	-3.4	43.8	28.98	UL-RL	0.217	4.599	40	0	0	0	28.98
Stage A	-3.5	46.25	30.346	UL-RL	0.217	4.599	40	0	0	0	30.346
Stage A	-3.6	47.7	31.242	UL-RL	0.217	4.599	40	1	0	0	32.242
Stage A	-3.7	49.15	32.166	UL-RL	0.217	4.599	40	2	0	0	34.166
Stage A	-3.8	50.6	33.105	UL-RL	0.217	4.599	40	3	0	0	36.105
Stage A	-3.9	52.05	34.049	UL-RL	0.217	4.599	40	4	0	0	38.049
Stage A	-4	53.5	34.988	UL-RL	0.217	4.599	40	5	0	0	39.988
Stage A	-4.1	54.95	35.919	UL-RL	0.217	4.599	40	6	0	0	41.918
Stage A	-4.2	56.4	36.835	UL-RL	0.217	4.599	40	7	0	0	43.835
Stage A	-4.3	57.85	37.734	UL-RL	0.217	4.599	40	8	0	0	45.734
Stage A	-4.4	59.3	38.616	UL-RL	0.217	4.599	40	9	0	0	47.616
Stage A	-4.5	60.75	39.479	UL-RL	0.217	4.599	40	10	0	0	49.479
Stage A	-4.6	62.2	40.324	UL-RL	0.217	4.599	40	11	0	0	51.324
Stage A	-4.7	63.65	41.153	UL-RL	0.217	4.599	40	12	0	0	53.153
Stage A	-4.8	65.1	41.965	UL-RL	0.217	4.599	40	13	0	0	54.965
Stage A	-4.9	66.55	42.763	UL-RL	0.217	4.599	40	14	0	0	56.763
Stage A	-5	68	43.548	UL-RL	0.217	4.599	40	15	0	0	58.548
Stage A	-5.1	69.45	44.321	UL-RL	0.217	4.599	40	16	0	0	60.321
Stage A	-5.2	70.9	45.086	UL-RL	0.217	4.599	40	17	0	0	62.086
Stage A	-5.3	72.35	45.842	UL-RL	0.217	4.599	40	18	0	0	63.842
Stage A	-5.4	73.8	46.592	UL-RL	0.217	4.599	40	19	0	0	65.592
Stage A	-5.5	75.25	47.337	UL-RL	0.217	4.599	40	20	0	0	67.337
Stage A	-5.6	76.7	48.077	UL-RL	0.217	4.599	40	21	0	0	69.077
Stage A	-5.7	78.15	48.814	UL-RL	0.217	4.599	40	22	0	0	70.814
Stage A	-5.8	79.6	49.55	UL-RL	0.217	4.599	40	23	0	0	72.55
Stage A	-5.9	81.05	50.283	UL-RL	0.217	4.599	40	24	0	0	74.283
Stage A	-6	82.5	51.016	UL-RL	0.217	4.599	40	25	0	0	76.016
Stage A	-6.1	83.95	51.748	UL-RL	0.217	4.599	40	26	0	0	77.748
Stage A	-6.2	85.4	52.48	UL-RL	0.217	4.599	40	27	0	0	79.48

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)
Stage A	-6.3	86.85	53.212	UL-RL	0.217	4.599	40	28	0	0	81.212
Stage A	-6.4	88.3	53.944	UL-RL	0.217	4.599	40	29	0	0	82.944
Stage A	-6.5	89.75	54.676	UL-RL	0.217	4.599	40	30	0	0	84.676
Stage A	-6.6	91.2	55.409	UL-RL	0.217	4.599	40	31	0	0	86.409
Stage A	-6.7	92.65	56.142	UL-RL	0.217	4.599	40	32	0	0	88.142
Stage A	-6.8	94.1	56.876	UL-RL	0.217	4.599	40	33	0	0	89.876
Stage A	-6.9	95.55	57.61	UL-RL	0.217	4.599	40	34	0	0	91.61
Stage A	-7	97	58.344	UL-RL	0.217	4.599	40	35	0	0	93.344
Stage A	-7.1	98.45	59.079	UL-RL	0.217	4.599	40	36	0	0	95.079
Stage A	-7.2	99.9	59.814	UL-RL	0.217	4.599	40	37	0	0	96.814
Stage A	-7.3	101.35	60.549	UL-RL	0.217	4.599	40	38	0	0	98.549
Stage A	-7.4	102.8	61.284	UL-RL	0.217	4.599	40	39	0	0	100.284
Stage A	-7.5	104.25	62.019	UL-RL	0.217	4.599	40	40	0	0	102.019
Stage A	-7.6	105.7	62.754	UL-RL	0.217	4.599	40	41	0	0	103.754
Stage A	-7.7	107.15	63.489	UL-RL	0.217	4.599	40	42	0	0	105.489
Stage A	-7.8	108.6	64.224	UL-RL	0.217	4.599	40	43	0	0	107.224
Stage A	-7.9	110.05	64.959	UL-RL	0.217	4.599	40	44	0	0	108.959
Stage A	-8	111.5	65.694	UL-RL	0.217	4.599	40	45	0	0	110.694
Stage A	-8.1	112.95	66.428	UL-RL	0.217	4.599	40	46	0	0	112.428
Stage A	-8.2	114.4	67.163	UL-RL	0.217	4.599	40	47	0	0	114.162
Stage A	-8.3	115.85	67.897	UL-RL	0.217	4.599	40	48	0	0	115.897
Stage A	-8.4	117.3	68.63	UL-RL	0.217	4.599	40	49	0	0	117.63
Stage A	-8.5	118.75	69.364	UL-RL	0.217	4.599	40	50	0	0	119.364
Stage A	-8.6	120.2	70.097	UL-RL	0.217	4.599	40	51	0	0	121.097
Stage A	-8.7	121.65	70.83	UL-RL	0.217	4.599	40	52	0	0	122.83
Stage A	-8.8	123.1	71.562	UL-RL	0.217	4.599	40	53	0	0	124.562
Stage A	-8.9	124.55	72.294	UL-RL	0.217	4.599	40	54	0	0	126.294
Stage A	-9	126	73.025	UL-RL	0.217	4.599	40	55	0	0	128.025
Stage A	-9.1	127.45	73.756	UL-RL	0.217	4.599	40	56	0	0	129.756
Stage A	-9.2	128.9	74.486	UL-RL	0.217	4.599	40	57	0	0	131.486
Stage A	-9.3	130.35	75.215	UL-RL	0.217	4.599	40	58	0	0	133.215
Stage A	-9.4	131.8	75.944	UL-RL	0.217	4.599	40	59	0	0	134.944
Stage A	-9.5	133.25	76.673	UL-RL	0.217	4.599	40	60	0	0	136.673
Stage A	-9.6	134.7	77.401	UL-RL	0.217	4.599	40	61	0	0	138.401
Stage A	-9.7	136.15	78.129	UL-RL	0.217	4.599	40	62	0	0	140.129
Stage A	-9.8	137.6	78.857	UL-RL	0.217	4.599	40	63	0	0	141.857
Stage A	-9.9	139.05	79.584	UL-RL	0.217	4.599	40	64	0	0	143.584
Stage A	-10	140.5	80.311	UL-RL	0.217	4.599	40	65	0	0	145.311

Tabella Risultati Terreno Left Wall - Nominal - Stage B

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)
Stage B	0	0	0	PASSIVE	0.32	3.1	0	0	0	0	0
Stage B	-0.1	1.9	5.891	PASSIVE	0.32	3.1	0	0	0	0	5.891
Stage B	-0.2	3.803	11.788	PASSIVE	0.32	3.1	0	0	0	0	11.788
Stage B	-0.3	5.709	17.698	PASSIVE	0.32	3.1	0	0	0	0	17.698
Stage B	-0.4	7.621	22.679	V-C	0.32	3.1	0	0	0	0	22.679
Stage B	-0.5	9.541	23.568	V-C	0.32	3.1	0	0	0	0	23.568
Stage B	-0.6	11.469	24.435	V-C	0.32	3.1	0	0	0	0	24.435
Stage B	-0.7	13.406	25.264	V-C	0.32	3.1	0	0	0	0	25.264
Stage B	-0.8	15.353	26.035	V-C	0.32	3.1	0	0	0	0	26.035
Stage B	-0.9	17.311	26.72	V-C	0.32	3.1	0	0	0	0	26.72
Stage B	-1	19.278	27.288	V-C	0.32	3.1	0	0	0	0	27.288
Stage B	-1.1	21.256	27.704	V-C	0.32	3.1	0	0	0	0	27.704
Stage B	-1.2	23.242	27.927	V-C	0.32	3.1	0	0	0	0	27.927
Stage B	-1.3	25.237	27.91	V-C	0.32	3.1	0	0	0	0	27.91
Stage B	-1.4	27.24	27.623	V-C	0.32	3.1	0	0	0	0	27.623
Stage B	-1.5	29.25	27.116	V-C	0.32	3.1	0	0	0	0	27.116
Stage B	-1.6	31.265	26.451	V-C	0.32	3.1	0	0	0	0	26.451
Stage B	-1.7	33.286	25.691	V-C	0.32	3.1	0	0	0	0	25.691
Stage B	-1.8	35.31	24.89	V-C	0.32	3.1	0	0	0	0	24.89
Stage B	-1.9	37.337	24.098	V-C	0.32	3.1	0	0	0	0	24.098
Stage B	-2	39.367	34.523	V-C	0.217	4.599	40	0	0	0	34.523
Stage B	-2.1	41.948	30.204	V-C	0.217	4.599	40	0	0	0	30.204
Stage B	-2.2	44.529	26.283	V-C	0.217	4.599	40	0	0	0	26.283
Stage B	-2.3	47.111	22.377	UL-RL	0.217	4.599	40	0	0	0	22.377
Stage B	-2.4	49.692	22.37	UL-RL	0.217	4.599	40	0	0	0	22.37
Stage B	-2.5	52.272	23.344	UL-RL	0.217	4.599	40	0	0	0	23.344
Stage B	-2.6	54.85	24.247	UL-RL	0.217	4.599	40	0	0	0	24.247
Stage B	-2.7	57.427	25.108	UL-RL	0.217	4.599	40	0	0	0	25.108
Stage B	-2.8	60.001	25.951	UL-RL	0.217	4.599	40	0	0	0	25.951
Stage B	-2.9	62.573	26.795	UL-RL	0.217	4.599	40	0	0	0	26.795
Stage B	-3	65.143	27.652	UL-RL	0.217	4.599	40	0	0	0	27.652
Stage B	-3.1	67.9	28.628	UL-RL	0.217	4.599	40	0	0	0	28.628
Stage B	-3.2	70.524	29.567	UL-RL	0.217	4.599	40	0	0	0	29.567
Stage B	-3.3	73.141	30.537	UL-RL	0.217	4.599	40	0	0	0	30.537
Stage B	-3.4	75.96	31.644	UL-RL	0.217	4.599	40	0	0	0	31.644
Stage B	-3.5	78.558	32.675	UL-RL	0.217	4.599	40	0	0	0	32.675
Stage B	-3.6	80.348	33.337	UL-RL	0.217	4.599	40	1	0	0	34.337
Stage B	-3.7	81.929	33.927	UL-RL	0.217	4.599	40	2	0	0	35.927
Stage B	-3.8	83.505	34.545	UL-RL	0.217	4.599	40	3	0	0	37.545
Stage B	-3.9	85.26	35.278	UL-RL	0.217	4.599	40	4	0	0	39.278
Stage B	-4	86.823	35.938	UL-RL	0.217	4.599	40	5	0	0	40.938
Stage B	-4.1	88.382	36.617	UL-RL	0.217	4.599	40	6	0	0	42.617
Stage B	-4.2	90.108	37.396	UL-RL	0.217	4.599	40	7	0	0	44.396
Stage B	-4.3	91.656	38.101	UL-RL	0.217	4.599	40	8	0	0	46.1
Stage B	-4.4	93.363	38.896	UL-RL	0.217	4.599	40	9	0	0	47.896
Stage B	-4.5	94.901	39.617	UL-RL	0.217	4.599	40	10	0	0	49.617
Stage B	-4.6	96.436	40.344	UL-RL	0.217	4.599	40	11	0	0	51.344
Stage B	-4.7	98.121	41.151	UL-RL	0.217	4.599	40	12	0	0	53.151
Stage B	-4.8	99.648	41.883	UL-RL	0.217	4.599	40	13	0	0	54.883
Stage B	-4.9	101.319	42.691	UL-RL	0.217	4.599	40	14	0	0	56.691
Stage B	-5	102.839	43.424	UL-RL	0.217	4.599	40	15	0	0	58.424
Stage B	-5.1	104.357	44.158	UL-RL	0.217	4.599	40	16	0	0	60.158
Stage B	-5.2	106.011	44.961	UL-RL	0.217	4.599	40	17	0	0	61.961
Stage B	-5.3	107.522	45.692	UL-RL	0.217	4.599	40	18	0	0	63.692
Stage B	-5.4	109.165	46.489	UL-RL	0.217	4.599	40	19	0	0	65.489
Stage B	-5.5	110.671	47.218	UL-RL	0.217	4.599	40	20	0	0	67.218
Stage B	-5.6	112.176	47.946	UL-RL	0.217	4.599	40	21	0	0	68.946
Stage B	-5.7	113.804	48.735	UL-RL	0.217	4.599	40	22	0	0	70.735
Stage B	-5.8	115.304	49.459	UL-RL	0.217	4.599	40	23	0	0	72.459
Stage B	-5.9	116.802	50.182	UL-RL	0.217	4.599	40	24	0	0	74.182
Stage B	-6	118.419	50.964	UL-RL	0.217	4.599	40	25	0	0	75.964

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)
Stage B	-6.1	119.914	51.685	UL-RL	0.217	4.599	40	26	0	0	77.685
Stage B	-6.2	121.522	52.463	UL-RL	0.217	4.599	40	27	0	0	79.463
Stage B	-6.3	123.013	53.181	UL-RL	0.217	4.599	40	28	0	0	81.181
Stage B	-6.4	124.502	53.899	UL-RL	0.217	4.599	40	29	0	0	82.899
Stage B	-6.5	126.101	54.672	UL-RL	0.217	4.599	40	30	0	0	84.672
Stage B	-6.6	127.587	55.389	UL-RL	0.217	4.599	40	31	0	0	86.389
Stage B	-6.7	129.179	56.159	UL-RL	0.217	4.599	40	32	0	0	88.159
Stage B	-6.8	130.662	56.875	UL-RL	0.217	4.599	40	33	0	0	89.875
Stage B	-6.9	132.145	57.591	UL-RL	0.217	4.599	40	34	0	0	91.591
Stage B	-7	133.729	58.359	UL-RL	0.217	4.599	40	35	0	0	93.359
Stage B	-7.1	135.208	59.075	UL-RL	0.217	4.599	40	36	0	0	95.075
Stage B	-7.2	136.787	59.84	UL-RL	0.217	4.599	40	37	0	0	96.84
Stage B	-7.3	138.264	60.556	UL-RL	0.217	4.599	40	38	0	0	98.556
Stage B	-7.4	139.741	61.272	UL-RL	0.217	4.599	40	39	0	0	100.272
Stage B	-7.5	141.312	62.036	UL-RL	0.217	4.599	40	40	0	0	102.036
Stage B	-7.6	142.787	62.752	UL-RL	0.217	4.599	40	41	0	0	103.751
Stage B	-7.7	144.26	63.467	UL-RL	0.217	4.599	40	42	0	0	105.467
Stage B	-7.8	145.826	64.23	UL-RL	0.217	4.599	40	43	0	0	107.23
Stage B	-7.9	147.298	64.945	UL-RL	0.217	4.599	40	44	0	0	108.945
Stage B	-8	148.859	65.706	UL-RL	0.217	4.599	40	45	0	0	110.706
Stage B	-8.1	150.329	66.423	UL-RL	0.217	4.599	40	46	0	0	112.422
Stage B	-8.2	151.798	67.139	UL-RL	0.217	4.599	40	47	0	0	114.139
Stage B	-8.3	153.354	67.899	UL-RL	0.217	4.599	40	48	0	0	115.899
Stage B	-8.4	154.822	68.616	UL-RL	0.217	4.599	40	49	0	0	117.616
Stage B	-8.5	156.374	69.376	UL-RL	0.217	4.599	40	50	0	0	119.376
Stage B	-8.6	157.84	70.094	UL-RL	0.217	4.599	40	51	0	0	121.094
Stage B	-8.7	159.307	70.813	UL-RL	0.217	4.599	40	52	0	0	122.813
Stage B	-8.8	160.854	71.574	UL-RL	0.217	4.599	40	53	0	0	124.574
Stage B	-8.9	162.319	72.295	UL-RL	0.217	4.599	40	54	0	0	126.295
Stage B	-9	163.863	73.057	UL-RL	0.217	4.599	40	55	0	0	128.057
Stage B	-9.1	165.326	73.781	UL-RL	0.217	4.599	40	56	0	0	129.781
Stage B	-9.2	166.79	74.506	UL-RL	0.217	4.599	40	57	0	0	131.506
Stage B	-9.3	168.33	75.271	UL-RL	0.217	4.599	40	58	0	0	133.271
Stage B	-9.4	169.792	75.998	UL-RL	0.217	4.599	40	59	0	0	134.998
Stage B	-9.5	171.254	76.728	UL-RL	0.217	4.599	40	60	0	0	136.728
Stage B	-9.6	172.64	77.42	UL-RL	0.217	4.599	40	61	0	0	138.42
Stage B	-9.7	174.028	78.115	UL-RL	0.217	4.599	40	62	0	0	140.115
Stage B	-9.8	175.416	78.81	UL-RL	0.217	4.599	40	63	0	0	141.81
Stage B	-9.9	176.805	79.506	UL-RL	0.217	4.599	40	64	0	0	143.506
Stage B	-10	178.195	80.203	UL-RL	0.217	4.599	40	65	0	0	145.203

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)
Stage B	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-0.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage B	-1.5	0	0	ACTIVE	0.32	3.1	0	0	0	0	0
Stage B	-1.6	1.9	0.608	ACTIVE	0.32	3.1	0	0	0	0	0.608
Stage B	-1.7	3.8	1.216	ACTIVE	0.32	3.1	0	0	0	0	1.216
Stage B	-1.8	5.7	7.631	UL-RL	0.32	3.1	0	0	0	0	7.631
Stage B	-1.9	7.6	8.824	UL-RL	0.32	3.1	0	0	0	0	8.824
Stage B	-2	9.5	6.741	UL-RL	0.217	4.599	40	0	0	0	6.741
Stage B	-2.1	11.95	9.269	UL-RL	0.217	4.599	40	0	0	0	9.269
Stage B	-2.2	14.4	11.732	UL-RL	0.217	4.599	40	0	0	0	11.732
Stage B	-2.3	16.85	14.109	UL-RL	0.217	4.599	40	0	0	0	14.109
Stage B	-2.4	19.3	16.128	UL-RL	0.217	4.599	40	0	0	0	16.128
Stage B	-2.5	21.75	17.603	UL-RL	0.217	4.599	40	0	0	0	17.603
Stage B	-2.6	24.2	19.09	UL-RL	0.217	4.599	40	0	0	0	19.09
Stage B	-2.7	26.65	20.581	UL-RL	0.217	4.599	40	0	0	0	20.581
Stage B	-2.8	29.1	22.067	UL-RL	0.217	4.599	40	0	0	0	22.067
Stage B	-2.9	31.55	23.543	UL-RL	0.217	4.599	40	0	0	0	23.543
Stage B	-3	34	25.005	UL-RL	0.217	4.599	40	0	0	0	25.005
Stage B	-3.1	36.45	26.449	UL-RL	0.217	4.599	40	0	0	0	26.449
Stage B	-3.2	38.9	27.874	UL-RL	0.217	4.599	40	0	0	0	27.874
Stage B	-3.3	41.35	29.278	UL-RL	0.217	4.599	40	0	0	0	29.278
Stage B	-3.4	43.8	30.663	UL-RL	0.217	4.599	40	0	0	0	30.663
Stage B	-3.5	46.25	32.029	UL-RL	0.217	4.599	40	0	0	0	32.029
Stage B	-3.6	47.7	32.863	UL-RL	0.217	4.599	40	1	0	0	33.863
Stage B	-3.7	49.15	33.682	UL-RL	0.217	4.599	40	2	0	0	35.682
Stage B	-3.8	50.6	34.488	UL-RL	0.217	4.599	40	3	0	0	37.488
Stage B	-3.9	52.05	35.281	UL-RL	0.217	4.599	40	4	0	0	39.281
Stage B	-4	53.5	36.063	UL-RL	0.217	4.599	40	5	0	0	41.063
Stage B	-4.1	54.95	36.836	UL-RL	0.217	4.599	40	6	0	0	42.836
Stage B	-4.2	56.4	37.602	UL-RL	0.217	4.599	40	7	0	0	44.602
Stage B	-4.3	57.85	38.361	UL-RL	0.217	4.599	40	8	0	0	46.361
Stage B	-4.4	59.3	39.114	UL-RL	0.217	4.599	40	9	0	0	48.114
Stage B	-4.5	60.75	39.864	UL-RL	0.217	4.599	40	10	0	0	49.864
Stage B	-4.6	62.2	40.61	UL-RL	0.217	4.599	40	11	0	0	51.61
Stage B	-4.7	63.65	41.353	UL-RL	0.217	4.599	40	12	0	0	53.353
Stage B	-4.8	65.1	42.095	UL-RL	0.217	4.599	40	13	0	0	55.095
Stage B	-4.9	66.55	42.835	UL-RL	0.217	4.599	40	14	0	0	56.835
Stage B	-5	68	43.574	UL-RL	0.217	4.599	40	15	0	0	58.574
Stage B	-5.1	69.45	44.313	UL-RL	0.217	4.599	40	16	0	0	60.313
Stage B	-5.2	70.9	45.051	UL-RL	0.217	4.599	40	17	0	0	62.051
Stage B	-5.3	72.35	45.789	UL-RL	0.217	4.599	40	18	0	0	63.789
Stage B	-5.4	73.8	46.528	UL-RL	0.217	4.599	40	19	0	0	65.528
Stage B	-5.5	75.25	47.266	UL-RL	0.217	4.599	40	20	0	0	67.266
Stage B	-5.6	76.7	48.004	UL-RL	0.217	4.599	40	21	0	0	69.004
Stage B	-5.7	78.15	48.742	UL-RL	0.217	4.599	40	22	0	0	70.742
Stage B	-5.8	79.6	49.481	UL-RL	0.217	4.599	40	23	0	0	72.481
Stage B	-5.9	81.05	50.219	UL-RL	0.217	4.599	40	24	0	0	74.219
Stage B	-6	82.5	50.958	UL-RL	0.217	4.599	40	25	0	0	75.958
Stage B	-6.1	83.95	51.697	UL-RL	0.217	4.599	40	26	0	0	77.697
Stage B	-6.2	85.4	52.436	UL-RL	0.217	4.599	40	27	0	0	79.435

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)
Stage B	-6.3	86.85	53.174	UL-RL	0.217	4.599	40	28	0	0	81.174
Stage B	-6.4	88.3	53.913	UL-RL	0.217	4.599	40	29	0	0	82.913
Stage B	-6.5	89.75	54.651	UL-RL	0.217	4.599	40	30	0	0	84.651
Stage B	-6.6	91.2	55.389	UL-RL	0.217	4.599	40	31	0	0	86.389
Stage B	-6.7	92.65	56.127	UL-RL	0.217	4.599	40	32	0	0	88.127
Stage B	-6.8	94.1	56.865	UL-RL	0.217	4.599	40	33	0	0	89.865
Stage B	-6.9	95.55	57.602	UL-RL	0.217	4.599	40	34	0	0	91.602
Stage B	-7	97	58.339	UL-RL	0.217	4.599	40	35	0	0	93.339
Stage B	-7.1	98.45	59.076	UL-RL	0.217	4.599	40	36	0	0	95.076
Stage B	-7.2	99.9	59.813	UL-RL	0.217	4.599	40	37	0	0	96.813
Stage B	-7.3	101.35	60.549	UL-RL	0.217	4.599	40	38	0	0	98.549
Stage B	-7.4	102.8	61.285	UL-RL	0.217	4.599	40	39	0	0	100.285
Stage B	-7.5	104.25	62.021	UL-RL	0.217	4.599	40	40	0	0	102.021
Stage B	-7.6	105.7	62.757	UL-RL	0.217	4.599	40	41	0	0	103.757
Stage B	-7.7	107.15	63.492	UL-RL	0.217	4.599	40	42	0	0	105.492
Stage B	-7.8	108.6	64.227	UL-RL	0.217	4.599	40	43	0	0	107.227
Stage B	-7.9	110.05	64.962	UL-RL	0.217	4.599	40	44	0	0	108.962
Stage B	-8	111.5	65.697	UL-RL	0.217	4.599	40	45	0	0	110.697
Stage B	-8.1	112.95	66.431	UL-RL	0.217	4.599	40	46	0	0	112.431
Stage B	-8.2	114.4	67.165	UL-RL	0.217	4.599	40	47	0	0	114.165
Stage B	-8.3	115.85	67.899	UL-RL	0.217	4.599	40	48	0	0	115.899
Stage B	-8.4	117.3	68.632	UL-RL	0.217	4.599	40	49	0	0	117.632
Stage B	-8.5	118.75	69.365	UL-RL	0.217	4.599	40	50	0	0	119.365
Stage B	-8.6	120.2	70.098	UL-RL	0.217	4.599	40	51	0	0	121.098
Stage B	-8.7	121.65	70.831	UL-RL	0.217	4.599	40	52	0	0	122.831
Stage B	-8.8	123.1	71.563	UL-RL	0.217	4.599	40	53	0	0	124.563
Stage B	-8.9	124.55	72.294	UL-RL	0.217	4.599	40	54	0	0	126.294
Stage B	-9	126	73.025	UL-RL	0.217	4.599	40	55	0	0	128.025
Stage B	-9.1	127.45	73.756	UL-RL	0.217	4.599	40	56	0	0	129.756
Stage B	-9.2	128.9	74.486	UL-RL	0.217	4.599	40	57	0	0	131.486
Stage B	-9.3	130.35	75.215	UL-RL	0.217	4.599	40	58	0	0	133.215
Stage B	-9.4	131.8	75.944	UL-RL	0.217	4.599	40	59	0	0	134.944
Stage B	-9.5	133.25	76.673	UL-RL	0.217	4.599	40	60	0	0	136.673
Stage B	-9.6	134.7	77.401	UL-RL	0.217	4.599	40	61	0	0	138.401
Stage B	-9.7	136.15	78.129	UL-RL	0.217	4.599	40	62	0	0	140.129
Stage B	-9.8	137.6	78.856	UL-RL	0.217	4.599	40	63	0	0	141.856
Stage B	-9.9	139.05	79.584	UL-RL	0.217	4.599	40	64	0	0	143.584
Stage B	-10	140.5	80.311	UL-RL	0.217	4.599	40	65	0	0	145.311

Tabella Risultati Terreno Left Wall - Nominal - Stage 3-

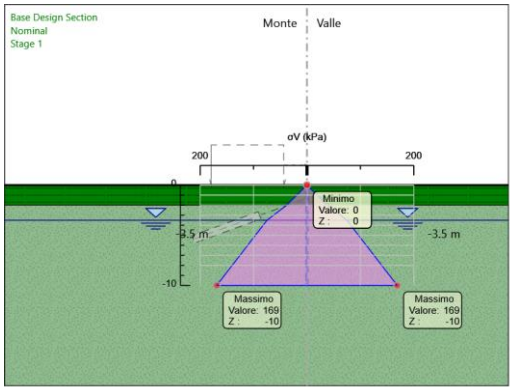
Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	0	0	0	PASSIVE	0.32	3.1	0	0	0	0	0
Stage 3-	-0.1	1.9	5.891	PASSIVE	0.32	3.1	0	0	0	0	5.891
Stage 3-	-0.2	3.803	11.788	PASSIVE	0.32	3.1	0	0	0	0	11.788
Stage 3-	-0.3	5.709	17.698	PASSIVE	0.32	3.1	0	0	0	0	17.698
Stage 3-	-0.4	7.621	23.626	PASSIVE	0.32	3.1	0	0	0	0	23.626
Stage 3-	-0.5	9.541	25.578	V-C	0.32	3.1	0	0	0	0	25.578
Stage 3-	-0.6	11.469	26.162	V-C	0.32	3.1	0	0	0	0	26.162
Stage 3-	-0.7	13.406	26.707	V-C	0.32	3.1	0	0	0	0	26.707
Stage 3-	-0.8	15.353	27.193	V-C	0.32	3.1	0	0	0	0	27.193
Stage 3-	-0.9	17.311	27.593	V-C	0.32	3.1	0	0	0	0	27.593
Stage 3-	-1	19.278	27.875	V-C	0.32	3.1	0	0	0	0	27.875
Stage 3-	-1.1	21.256	28.001	UL-RL	0.32	3.1	0	0	0	0	28.001
Stage 3-	-1.2	23.242	27.93	UL-RL	0.32	3.1	0	0	0	0	27.93
Stage 3-	-1.3	25.237	27.448	UL-RL	0.32	3.1	0	0	0	0	27.448
Stage 3-	-1.4	27.24	26.684	UL-RL	0.32	3.1	0	0	0	0	26.684
Stage 3-	-1.5	29.25	25.691	UL-RL	0.32	3.1	0	0	0	0	25.691
Stage 3-	-1.6	31.265	24.534	UL-RL	0.32	3.1	0	0	0	0	24.534
Stage 3-	-1.7	33.286	23.272	UL-RL	0.32	3.1	0	0	0	0	23.272
Stage 3-	-1.8	35.31	21.96	UL-RL	0.32	3.1	0	0	0	0	21.96
Stage 3-	-1.9	37.337	20.647	UL-RL	0.32	3.1	0	0	0	0	20.647
Stage 3-	-2	39.367	21.185	UL-RL	0.217	4.599	40	0	0	0	21.185
Stage 3-	-2.1	41.948	15.047	UL-RL	0.217	4.599	40	0	0	0	15.047
Stage 3-	-2.2	44.529	9.264	UL-RL	0.217	4.599	40	0	0	0	9.264
Stage 3-	-2.3	47.111	3.454	UL-RL	0.217	4.599	40	0	0	0	3.454
Stage 3-	-2.4	49.692	1.501	UL-RL	0.217	4.599	40	0	0	0	1.501
Stage 3-	-2.5	52.272	0.491	UL-RL	0.217	4.599	40	0	0	0	0.491
Stage 3-	-2.6	54.85	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-2.7	57.427	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-2.8	60.001	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-2.9	62.573	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3	65.143	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.1	67.9	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.2	70.524	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.3	73.141	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.4	75.96	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.5	78.558	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.6	80.508	0	ACTIVE	0.217	4.599	40	0.839	0.161	0	0.839
Stage 3-	-3.7	82.25	0	ACTIVE	0.217	4.599	40	1.679	0.161	0	1.679
Stage 3-	-3.8	83.988	0	ACTIVE	0.217	4.599	40	2.518	0.161	0	2.518
Stage 3-	-3.9	85.903	0	ACTIVE	0.217	4.599	40	3.357	0.161	0	3.357
Stage 3-	-4	87.627	0	ACTIVE	0.217	4.599	40	4.196	0.161	0	4.196
Stage 3-	-4.1	89.346	0	ACTIVE	0.217	4.599	40	5.036	0.161	0	5.036
Stage 3-	-4.2	91.233	0	ACTIVE	0.217	4.599	40	5.875	0.161	0	5.875
Stage 3-	-4.3	92.941	0	ACTIVE	0.217	4.599	40	6.714	0.161	0	6.714
Stage 3-	-4.4	94.809	0	ACTIVE	0.217	4.599	40	7.554	0.161	0	7.554
Stage 3-	-4.5	96.508	0	ACTIVE	0.217	4.599	40	8.393	0.161	0	8.393
Stage 3-	-4.6	98.204	0	ACTIVE	0.217	4.599	40	9.232	0.161	0	9.232
Stage 3-	-4.7	100.05	0	ACTIVE	0.217	4.599	40	10.071	0.161	0	10.071
Stage 3-	-4.8	101.738	0	ACTIVE	0.217	4.599	40	10.911	0.161	0	10.911
Stage 3-	-4.9	103.569	0	ACTIVE	0.217	4.599	40	11.75	0.161	0	11.75
Stage 3-	-5	105.25	0	ACTIVE	0.217	4.599	40	12.589	0.161	0	12.589
Stage 3-	-5.1	106.928	0	ACTIVE	0.217	4.599	40	13.429	0.161	0	13.429
Stage 3-	-5.2	108.743	0	ACTIVE	0.217	4.599	40	14.268	0.161	0	14.268
Stage 3-	-5.3	110.415	0	ACTIVE	0.217	4.599	40	15.107	0.161	0	15.107
Stage 3-	-5.4	112.218	1.751	UL-RL	0.217	4.599	40	15.946	0.161	0	17.697
Stage 3-	-5.5	113.885	3.982	UL-RL	0.217	4.599	40	16.786	0.161	0	20.768
Stage 3-	-5.6	115.55	6.238	UL-RL	0.217	4.599	40	17.625	0.161	0	23.863
Stage 3-	-5.7	117.34	8.555	UL-RL	0.217	4.599	40	18.464	0.161	0	27.019
Stage 3-	-5.8	119	10.784	UL-RL	0.217	4.599	40	19.304	0.161	0	30.087
Stage 3-	-5.9	120.66	12.971	UL-RL	0.217	4.599	40	20.143	0.161	0	33.114
Stage 3-	-6	122.437	15.162	UL-RL	0.217	4.599	40	20.982	0.161	0	36.144

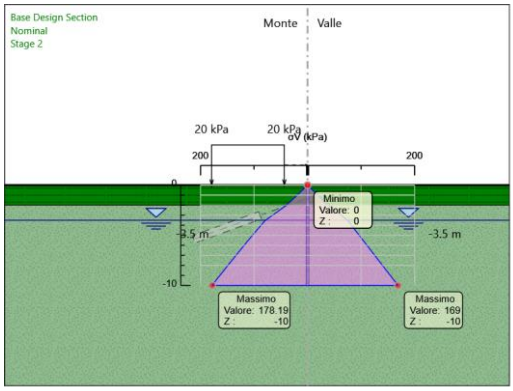
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	-6.1	124.092	17.226	UL-RL	0.217	4.599	40	21.821	0.161	0	39.048
Stage 3-	-6.2	125.862	19.275	UL-RL	0.217	4.599	40	22.661	0.161	0	41.936
Stage 3-	-6.3	127.513	21.188	UL-RL	0.217	4.599	40	23.5	0.161	0	44.688
Stage 3-	-6.4	129.163	23.021	UL-RL	0.217	4.599	40	24.339	0.161	0	47.36
Stage 3-	-6.5	130.923	24.829	UL-RL	0.217	4.599	40	25.179	0.161	0	50.007
Stage 3-	-6.6	132.569	26.502	UL-RL	0.217	4.599	40	26.018	0.161	0	52.52
Stage 3-	-6.7	134.322	28.153	UL-RL	0.217	4.599	40	26.857	0.161	0	55.01
Stage 3-	-6.8	135.966	29.676	UL-RL	0.217	4.599	40	27.696	0.161	0	57.373
Stage 3-	-6.9	137.609	31.131	UL-RL	0.217	4.599	40	28.536	0.161	0	59.667
Stage 3-	-7	139.354	32.574	UL-RL	0.217	4.599	40	29.375	0.161	0	61.949
Stage 3-	-7.1	140.994	33.906	UL-RL	0.217	4.599	40	30.214	0.161	0	64.12
Stage 3-	-7.2	142.733	35.234	UL-RL	0.217	4.599	40	31.054	0.161	0	66.288
Stage 3-	-7.3	144.371	36.464	UL-RL	0.217	4.599	40	31.893	0.161	0	68.356
Stage 3-	-7.4	146.008	37.65	UL-RL	0.217	4.599	40	32.732	0.161	0	70.382
Stage 3-	-7.5	147.741	38.846	UL-RL	0.217	4.599	40	33.571	0.161	0	72.417
Stage 3-	-7.6	149.376	39.959	UL-RL	0.217	4.599	40	34.411	0.161	0	74.37
Stage 3-	-7.7	151.01	41.044	UL-RL	0.217	4.599	40	35.25	0.161	0	76.294
Stage 3-	-7.8	152.736	42.149	UL-RL	0.217	4.599	40	36.089	0.161	0	78.238
Stage 3-	-7.9	154.369	43.187	UL-RL	0.217	4.599	40	36.929	0.161	0	80.115
Stage 3-	-8	156.091	44.251	UL-RL	0.217	4.599	40	37.768	0.161	0	82.019
Stage 3-	-8.1	157.722	45.256	UL-RL	0.217	4.599	40	38.607	0.161	0	83.863
Stage 3-	-8.2	159.352	46.249	UL-RL	0.217	4.599	40	39.446	0.161	0	85.695
Stage 3-	-8.3	161.068	47.275	UL-RL	0.217	4.599	40	40.286	0.161	0	87.561
Stage 3-	-8.4	162.697	48.251	UL-RL	0.217	4.599	40	41.125	0.161	0	89.376
Stage 3-	-8.5	164.41	49.263	UL-RL	0.217	4.599	40	41.964	0.161	0	91.227
Stage 3-	-8.6	166.037	50.229	UL-RL	0.217	4.599	40	42.804	0.161	0	93.032
Stage 3-	-8.7	167.664	51.192	UL-RL	0.217	4.599	40	43.643	0.161	0	94.835
Stage 3-	-8.8	169.372	52.195	UL-RL	0.217	4.599	40	44.482	0.161	0	96.677
Stage 3-	-8.9	170.997	53.157	UL-RL	0.217	4.599	40	45.321	0.161	0	98.478
Stage 3-	-9	172.702	54.158	UL-RL	0.217	4.599	40	46.161	0.161	0	100.319
Stage 3-	-9.1	174.326	55.121	UL-RL	0.217	4.599	40	47	0.161	0	102.121
Stage 3-	-9.2	175.95	56.085	UL-RL	0.217	4.599	40	47.839	0.161	0	103.924
Stage 3-	-9.3	177.651	57.089	UL-RL	0.217	4.599	40	48.679	0.161	0	105.767
Stage 3-	-9.4	179.274	58.055	UL-RL	0.217	4.599	40	49.518	0.161	0	107.573
Stage 3-	-9.5	180.897	59.024	UL-RL	0.217	4.599	40	50.357	0.161	0	109.381
Stage 3-	-9.6	182.444	59.956	UL-RL	0.217	4.599	40	51.196	0.161	0	111.153
Stage 3-	-9.7	183.992	60.89	UL-RL	0.217	4.599	40	52.036	0.161	0	112.926
Stage 3-	-9.8	185.541	61.826	UL-RL	0.217	4.599	40	52.875	0.161	0	114.701
Stage 3-	-9.9	187.091	62.762	UL-RL	0.217	4.599	40	53.714	0.161	0	116.476
Stage 3-	-10	188.641	63.698	UL-RL	0.217	4.599	40	54.554	0.161	0	118.252

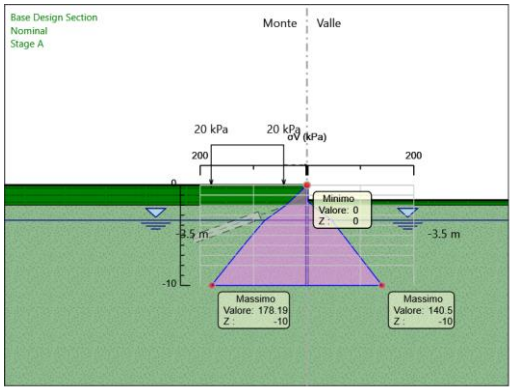
Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-1.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-2.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-3.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.7	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-4.9	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.4	1.289	30.229	UL-RL	0.217	4.599	40	1.161	0.161	0	31.39
Stage 3-	-5.5	2.579	32.011	UL-RL	0.217	4.599	40	2.321	0.161	0	34.333
Stage 3-	-5.6	3.868	33.253	UL-RL	0.217	4.599	40	3.482	0.161	0	36.735
Stage 3-	-5.7	5.157	34.228	UL-RL	0.217	4.599	40	4.643	0.161	0	38.871
Stage 3-	-5.8	6.446	35.047	UL-RL	0.217	4.599	40	5.804	0.161	0	40.85
Stage 3-	-5.9	7.736	35.769	UL-RL	0.217	4.599	40	6.964	0.161	0	42.733
Stage 3-	-6	9.025	36.429	UL-RL	0.217	4.599	40	8.125	0.161	0	44.554
Stage 3-	-6.1	10.314	37.053	UL-RL	0.217	4.599	40	9.286	0.161	0	46.339
Stage 3-	-6.2	11.604	37.657	UL-RL	0.217	4.599	40	10.446	0.161	0	48.104

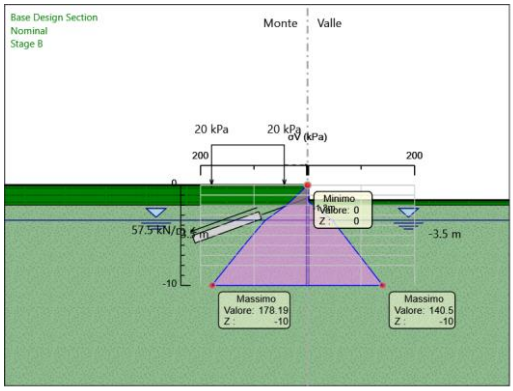
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	-6.3	12.893	38.253	UL-RL	0.217	4.599	40	11.607	0.161	0	49.86
Stage 3-	-6.4	14.182	38.849	UL-RL	0.217	4.599	40	12.768	0.161	0	51.616
Stage 3-	-6.5	15.471	39.45	UL-RL	0.217	4.599	40	13.929	0.161	0	53.378
Stage 3-	-6.6	16.761	40.06	UL-RL	0.217	4.599	40	15.089	0.161	0	55.149
Stage 3-	-6.7	18.05	40.682	UL-RL	0.217	4.599	40	16.25	0.161	0	56.932
Stage 3-	-6.8	19.339	41.317	UL-RL	0.217	4.599	40	17.411	0.161	0	58.728
Stage 3-	-6.9	20.629	41.965	UL-RL	0.217	4.599	40	18.571	0.161	0	60.537
Stage 3-	-7	21.918	42.627	UL-RL	0.217	4.599	40	19.732	0.161	0	62.359
Stage 3-	-7.1	23.207	43.3	UL-RL	0.217	4.599	40	20.893	0.161	0	64.193
Stage 3-	-7.2	24.496	43.986	UL-RL	0.217	4.599	40	22.054	0.161	0	66.039
Stage 3-	-7.3	25.786	44.681	UL-RL	0.217	4.599	40	23.214	0.161	0	67.896
Stage 3-	-7.4	27.075	45.386	UL-RL	0.217	4.599	40	24.375	0.161	0	69.761
Stage 3-	-7.5	28.364	46.098	UL-RL	0.217	4.599	40	25.536	0.161	0	71.634
Stage 3-	-7.6	29.654	46.817	UL-RL	0.217	4.599	40	26.696	0.161	0	73.514
Stage 3-	-7.7	30.943	47.541	UL-RL	0.217	4.599	40	27.857	0.161	0	75.398
Stage 3-	-7.8	32.232	48.269	UL-RL	0.217	4.599	40	29.018	0.161	0	77.286
Stage 3-	-7.9	33.521	48.999	UL-RL	0.217	4.599	40	30.178	0.161	0	79.178
Stage 3-	-8	34.811	49.731	UL-RL	0.217	4.599	40	31.339	0.161	0	81.07
Stage 3-	-8.1	36.1	50.463	UL-RL	0.217	4.599	40	32.5	0.161	0	82.963
Stage 3-	-8.2	37.389	51.196	UL-RL	0.217	4.599	40	33.661	0.161	0	84.856
Stage 3-	-8.3	38.679	51.927	UL-RL	0.217	4.599	40	34.821	0.161	0	86.748
Stage 3-	-8.4	39.968	52.656	UL-RL	0.217	4.599	40	35.982	0.161	0	88.638
Stage 3-	-8.5	41.257	53.384	UL-RL	0.217	4.599	40	37.143	0.161	0	90.527
Stage 3-	-8.6	42.546	54.109	UL-RL	0.217	4.599	40	38.304	0.161	0	92.412
Stage 3-	-8.7	43.836	54.83	UL-RL	0.217	4.599	40	39.464	0.161	0	94.295
Stage 3-	-8.8	45.125	55.549	UL-RL	0.217	4.599	40	40.625	0.161	0	96.174
Stage 3-	-8.9	46.414	56.264	UL-RL	0.217	4.599	40	41.786	0.161	0	98.05
Stage 3-	-9	47.704	56.976	UL-RL	0.217	4.599	40	42.946	0.161	0	99.923
Stage 3-	-9.1	48.993	57.685	UL-RL	0.217	4.599	40	44.107	0.161	0	101.792
Stage 3-	-9.2	50.282	58.389	UL-RL	0.217	4.599	40	45.268	0.161	0	103.657
Stage 3-	-9.3	51.571	59.091	UL-RL	0.217	4.599	40	46.429	0.161	0	105.519
Stage 3-	-9.4	52.861	59.788	UL-RL	0.217	4.599	40	47.589	0.161	0	107.378
Stage 3-	-9.5	54.15	60.483	UL-RL	0.217	4.599	40	48.75	0.161	0	109.233
Stage 3-	-9.6	55.439	61.175	UL-RL	0.217	4.599	40	49.911	0.161	0	111.085
Stage 3-	-9.7	56.729	61.863	UL-RL	0.217	4.599	40	51.071	0.161	0	112.935
Stage 3-	-9.8	58.018	62.55	UL-RL	0.217	4.599	40	52.232	0.161	0	114.782
Stage 3-	-9.9	59.307	63.233	UL-RL	0.217	4.599	40	53.393	0.161	0	116.626
Stage 3-	-10	60.596	63.915	UL-RL	0.217	4.599	40	54.554	0.161	0	118.469

Grafico Risultati Terreno Sigma V









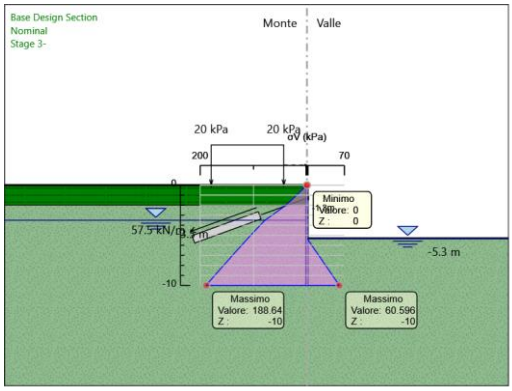
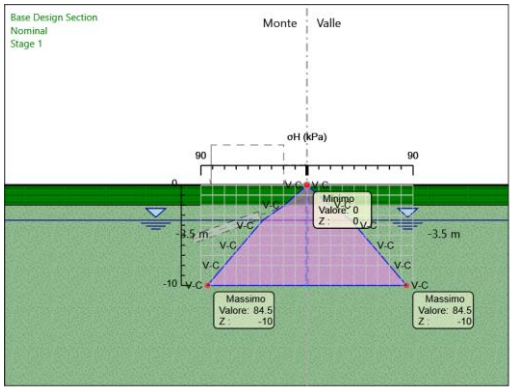
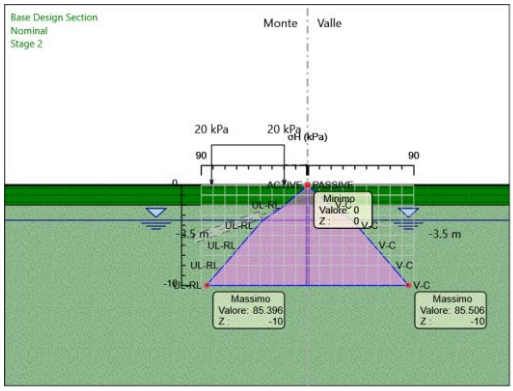
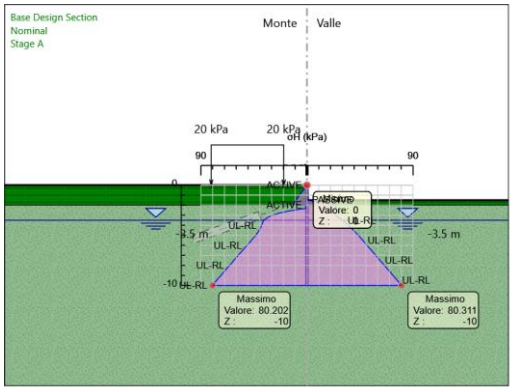
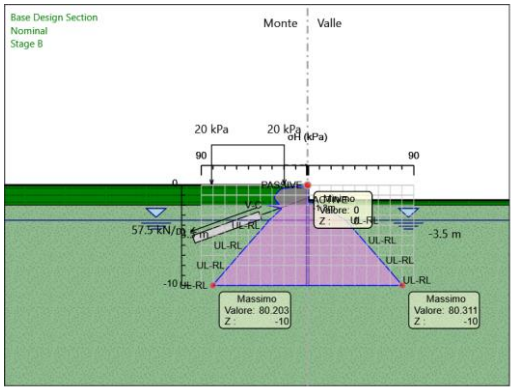


Grafico Risultati Terreno Sigma H









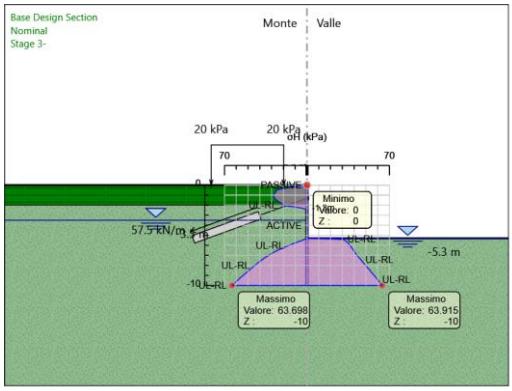
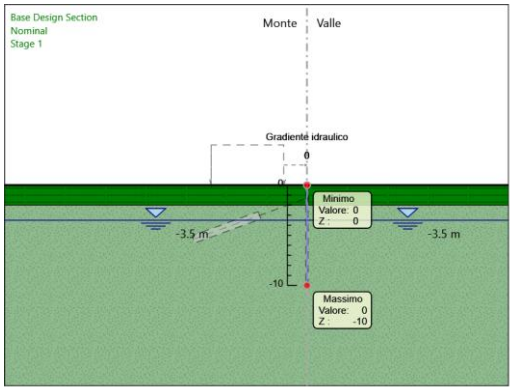
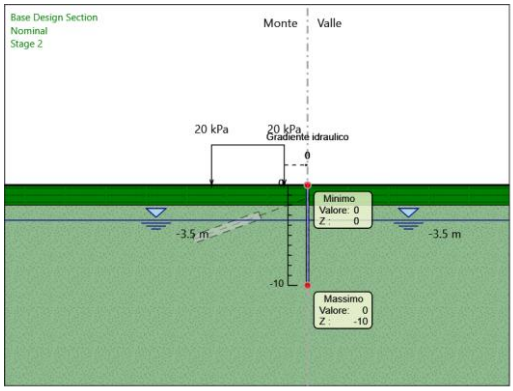
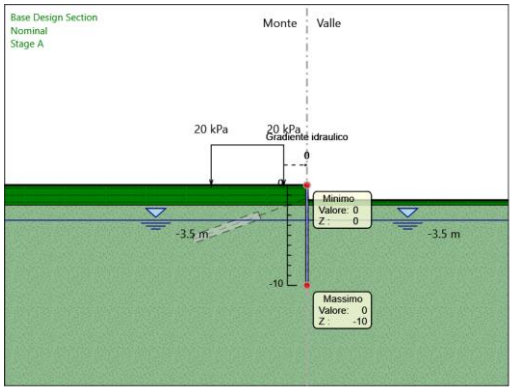
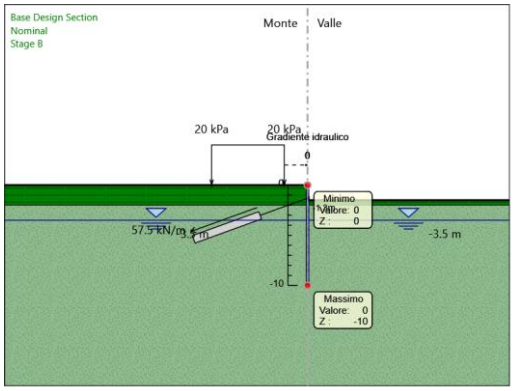


Grafico Risultati Terreno Gradiente









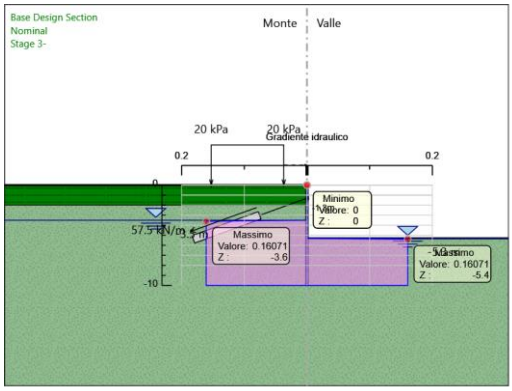
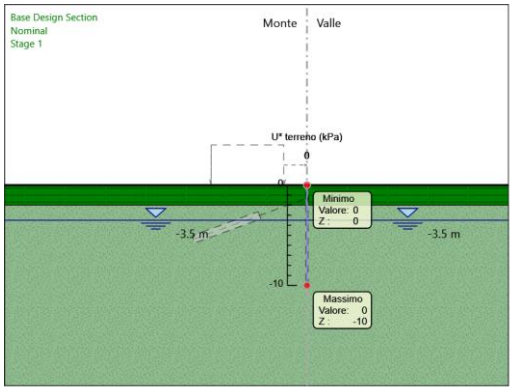
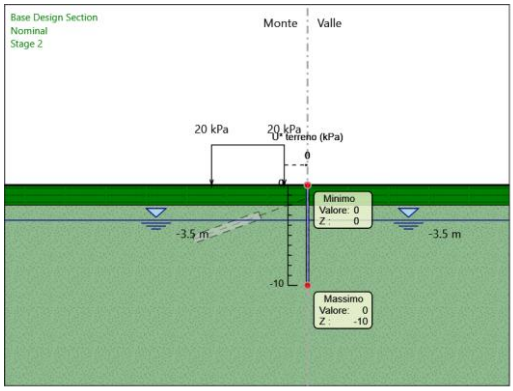
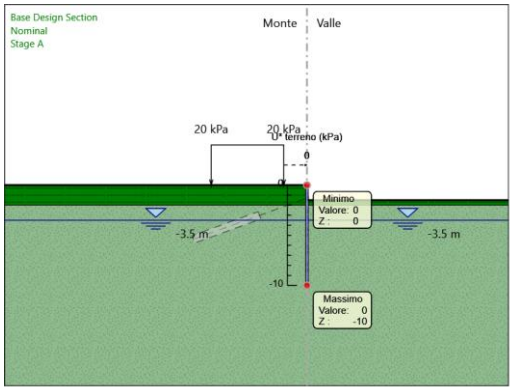
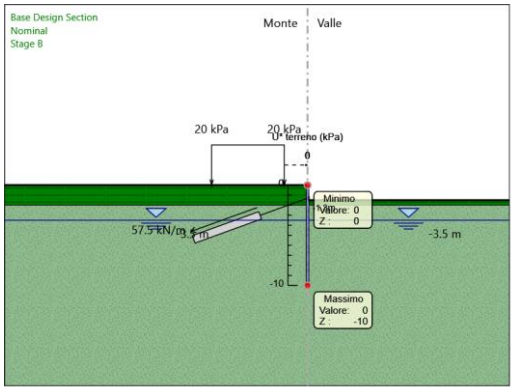


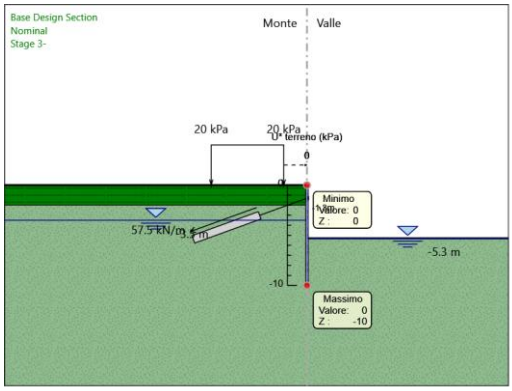
Grafico Risultati Terreno U*











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
Stage 1	457.4	211.2	668.6	11.6	5533.9	8.27%	39.43
Stage 2	463.2	211.2	674.4	12.1	5781.2	8.01%	38.28
Stage A	409.5	211.2	620.7	12.1	5781.2	7.08%	33.84
Stage B	454.3	211.2	665.6	12.1	5781.2	7.86%	37.55
Stage 3-	226.3	177.3	403.6	13.8	5937.3	3.81%	16.4

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
Stage 1	457.4	211.2	668.6	11.6	5533.9	8.27%	39.43
Stage 2	463.2	211.2	674.4	11.6	5533.9	8.37%	39.93
Stage A	409.5	211.2	620.7	0.6	4372.8	9.36%	682.5
Stage B	400.3	211.2	611.5	0.6	4372.8	9.15%	667.17
Stage 3-	221.3	128.2	349.5	0	1452.7	15.23%	∞

Descrizione Coefficienti Design Assumption

Nome	Carichi Permanenti Sfavorevoli (F_dead_load_unfavour)	Carichi Permanenti Favorevoli (F_dead_load_favour)	Carichi Variabili Sfavorevoli (F_live_load_unfavour)	Carichi Variabili Favorevoli (F_live_load_favour)	Carico Sismico (F_seism_load)	Pressioni Acqua Lato Monte (F_WaterDR)	Pressioni Acqua Lato Valle (F_WaterRes)	Carichi Permanenti Destabilizzanti (F_UPL_GDStab)	Carichi Permanenti Stabilizzanti (F_UPL_GStab)	Carichi Variabili Destabilizzanti (F_UPL_QDStab)	Carichi Permanenti Destabilizzanti (F_HYD_GDStab)	Carichi Permanenti Stabilizzanti (F_HYD_GStab)	Carichi Variabili Destabilizzanti (F_HYD_QDStab)
Simbolo	**γG**	**γG**	**γQ**	**γQ**	**γQE**	**γG**	**γG**	**γGdst**	**γGstb**	**γQdst**	**γGdst**	**γGstb**	**γQdst**
Nominal	1	1	1	1	1	1	1	1	1	1	1	1	1
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	1	1	1	1	0	1	1	1	1	1	1	1	1
NTC2018: A1+M1+R1 (R3 per tiranti)	1.3	1	1.5	1	0	1.3	1	1	1	1	1.3	0.9	1
NTC2018: A2+M2+R1	1	1	1.3	1	0	1	1	1	1	1	1.3	0.9	1

Nome	Parziale su tan(ø') (F_Fr)	Parziale su c' (F_eff_cohe)	Parziale su Su (F_Su)	Parziale su qu (F_qu)	Parziale su peso specifico (F_gamma)
Simbolo	**γϕ**	**γc**	**γcu**	**γqu**	**γγ**
Nominal	1	1	1	1	1
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	1	1	1	1	1
NTC2018: A1+M1+R1 (R3 per tiranti)	1	1	1	1	1
NTC2018: A2+M2+R1	1.25	1.25	1.4	1	1

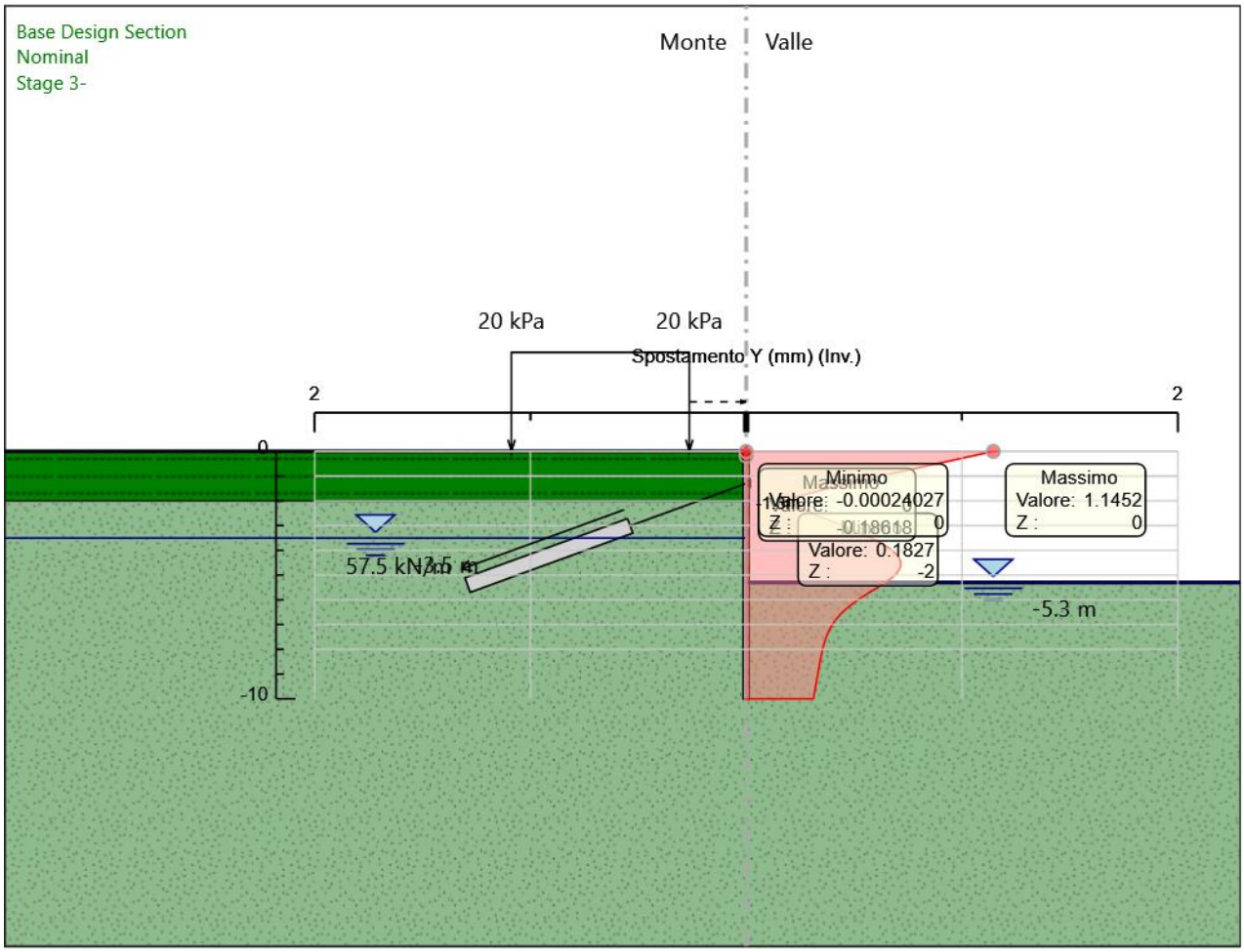
Nome	Parziale resistenza terreno (es. Kp) (F_Soil_Res_walls)	Parziale resistenza Tiranti permanenti (F_Anch_P)	Parziale resistenza Tiranti temporanei (F_Anch_T)	Parziale elementi strutturali (F_wall)
Simbolo	**γRe**	**γap**	**γat**	
Nominal	1	1	1	1
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	1	1	1	1
NTC2018: A1+M1+R1 (R3 per tiranti)	1	1.2	1.1	1
NTC2018: A2+M2+R1	1	1.2	1.1	1

Riepilogo Stage / Design Assumption per Inviluppo

Design Assumption	Stage 1	Stage 2	Stage A	Stage B	Stage 3-
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	V	V	V	V	V
NTC2018: A1+M1+R1 (R3 per tiranti)	V	V	V	V	V
NTC2018: A2+M2+R1	V	V	V	V	V

Descrizione sintetica dei risultati delle Design Assumption (Inviluppi)

Grafico Inviluppi Spostamento



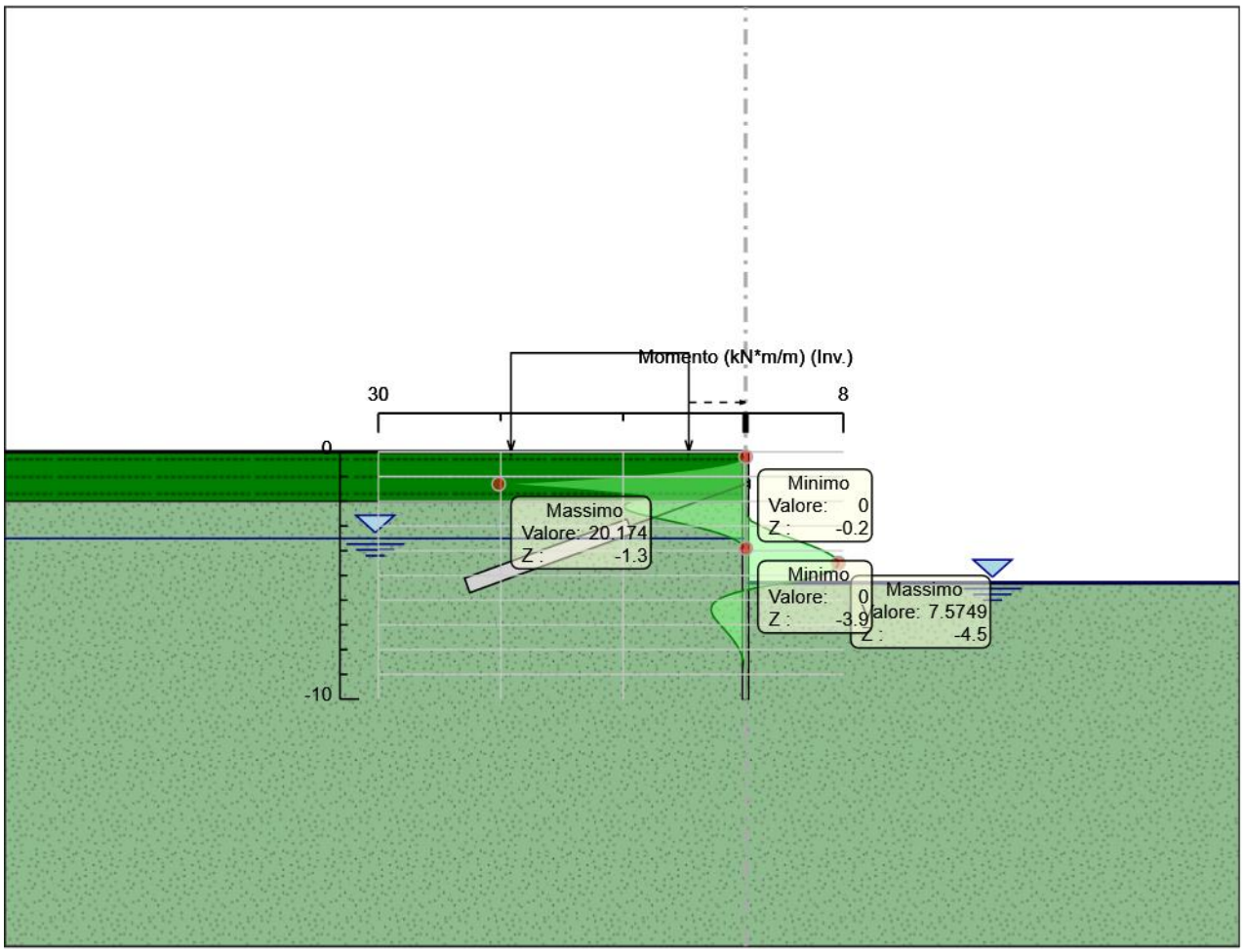
Spostamento

Tabella Inviluppi Momento paratia sx

Selected Design Assumptions	Inviluppi: Momento	Muro: paratia sx
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
0	0	0
-0.1	0	0
-0.2	0.077	0
-0.3	0.306	0
-0.4	0.766	0
-0.5	1.534	0
-0.6	2.633	0.001
-0.7	4.073	0.003
-0.8	5.86	0.006
-0.9	8	0.009
-1	10.499	0.013
-1.1	13.36	0.017
-1.2	16.586	0.022
-1.3	20.174	0.025
-1.4	17.093	0.028
-1.5	14.359	0.03
-1.6	11.959	0.03
-1.7	9.879	0.026
-1.8	8.101	0.02
-1.9	8.395	0.009
-2	9.255	0
-2.1	9.781	0
-2.2	9.983	0
-2.3	9.87	0
-2.4	9.447	0
-2.5	8.789	0
-2.6	7.979	0.169
-2.7	7.086	0.323
-2.8	6.161	0.457
-2.9	5.246	0.873
-3	4.371	1.289
-3.1	3.557	1.705
-3.2	2.819	2.12
-3.3	2.163	2.61
-3.4	1.593	3.174
-3.5	1.108	3.737
-3.6	0.704	4.301
-3.7	0.376	4.854
-3.8	0.116	5.385
-3.9	0	5.883
-4	0	6.338
-4.1	0	6.738
-4.2	0	7.073
-4.3	0	7.331
-4.4	0	7.502
-4.5	0	7.575
-4.6	0	7.539
-4.7	0	7.382
-4.8	0	7.095
-4.9	0.003	6.666
-5	0.008	6.084
-5.1	0.011	5.339
-5.2	0.012	4.419
-5.3	0.013	3.313
-5.4	0.012	2.011
-5.5	0.011	0.887
-5.6	0.086	0.07
-5.7	0.842	0.05
-5.8	1.468	0.033
-5.9	1.955	0.019

Selected Design Assumptions	Inviluppi: Momento	Muro: paratia sx
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-6	2.317	0.009
-6.1	2.569	0.008
-6.2	2.727	0.007
-6.3	2.805	0.007
-6.4	2.815	0.006
-6.5	2.77	0.006
-6.6	2.682	0.006
-6.7	2.559	0.006
-6.8	2.411	0.006
-6.9	2.246	0.005
-7	2.069	0.005
-7.1	1.887	0.005
-7.2	1.704	0.005
-7.3	1.524	0.005
-7.4	1.35	0.004
-7.5	1.184	0.004
-7.6	1.029	0.004
-7.7	0.884	0.004
-7.8	0.752	0.004
-7.9	0.631	0.004
-8	0.523	0.005
-8.1	0.427	0.005
-8.2	0.342	0.006
-8.3	0.269	0.006
-8.4	0.206	0.007
-8.5	0.153	0.008
-8.6	0.108	0.009
-8.7	0.072	0.01
-8.8	0.043	0.012
-8.9	0.02	0.013
-9	0.004	0.014
-9.1	0	0.014
-9.2	0	0.016
-9.3	0	0.02
-9.4	0	0.021
-9.5	0	0.019
-9.6	0	0.015
-9.7	0	0.01
-9.8	0	0.005
-9.9	0	0.002
-10	0	0

Grafico Inviluppi Momento



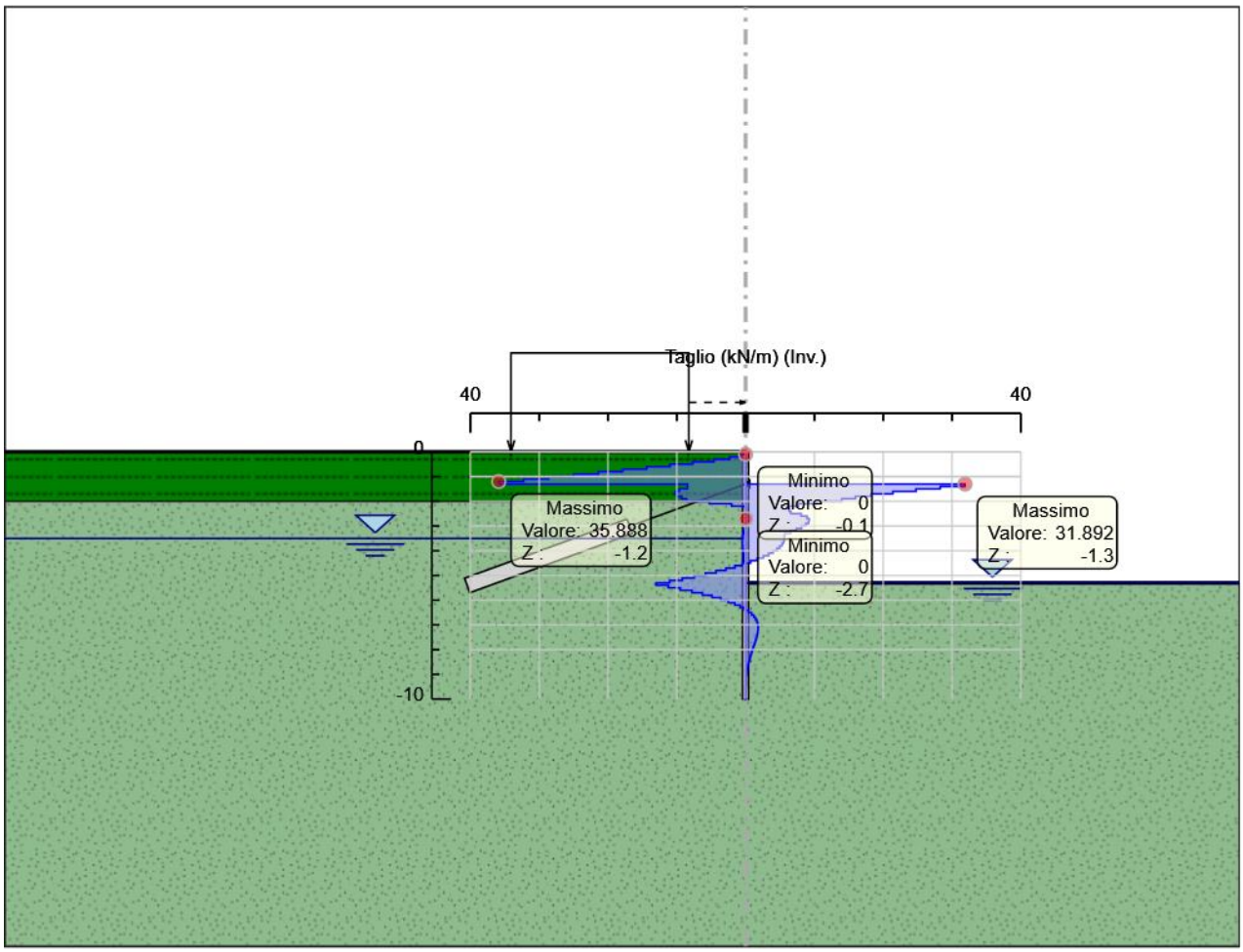
Momento

Tabella Inviluppi Taglio paratia sx

Selected Design Assumptions	Inviluppi: Taglio	Muro: paratia sx
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
0	0	0
-0.1	0.766	0
-0.2	2.299	0
-0.3	4.6	0.001
-0.4	7.673	0.005
-0.5	10.996	0.012
-0.6	14.396	0.019
-0.7	17.867	0.026
-0.8	21.402	0.033
-0.9	24.989	0.039
-1	28.613	0.042
-1.1	32.255	0.042
-1.2	35.888	0.042
-1.3	35.888	31.892
-1.4	8.437	31.892
-1.5	9.658	28.297
-1.6	10.199	24.766
-1.7	10.199	21.401
-1.8	10.058	18.212
-1.9	9.275	15.964
-2	8.598	13.975
-2.1	5.258	10.37
-2.2	2.024	7.653
-2.3	0.065	6.315
-2.4	0.044	6.579
-2.5	0.027	8.095
-2.6	0.014	8.938
-2.7	0.002	9.248
-2.8	0	9.248
-2.9	0	9.149
-3	0	8.748
-3.1	0.16	8.139
-3.2	0.294	7.384
-3.3	0.379	6.555
-3.4	0.436	5.703
-3.5	0.459	5.638
-3.6	0.467	5.638
-3.7	0.467	5.529
-3.8	0.453	5.311
-3.9	0.423	4.983
-4	0.393	4.547
-4.1	0.352	4.001
-4.2	0.305	3.347
-4.3	0.275	2.583
-4.4	0.242	1.71
-4.5	0.459	0.728
-4.6	1.563	0
-4.7	2.872	0
-4.8	4.291	0
-4.9	5.818	0
-5	7.455	0
-5.1	9.201	0
-5.2	11.055	0
-5.3	13.019	0.005
-5.4	13.019	0.006
-5.5	11.241	0.01
-5.6	9.479	0.015
-5.7	7.806	0.015
-5.8	6.267	0.014
-5.9	4.868	0.018

Selected Design Assumptions	Inviluppi: Taglio	Muro: paratia sx
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-6	3.618	0.018
-6.1	2.525	0.016
-6.2	1.578	0.016
-6.3	0.777	0.012
-6.4	0.105	0.449
-6.5	0.011	0.887
-6.6	0.005	1.229
-6.7	0.004	1.478
-6.8	0.004	1.654
-6.9	0.003	1.768
-7	0.002	1.821
-7.1	0.002	1.83
-7.2	0.004	1.83
-7.3	0.004	1.798
-7.4	0.004	1.738
-7.5	0.003	1.658
-7.6	0.003	1.556
-7.7	0.002	1.445
-7.8	0	1.329
-7.9	0	1.205
-8	0	1.083
-8.1	0	0.96
-8.2	0	0.843
-8.3	0	0.735
-8.4	0	0.629
-8.5	0	0.534
-8.6	0	0.442
-8.7	0	0.362
-8.8	0	0.292
-8.9	0	0.226
-9	0	0.171
-9.1	0	0.119
-9.2	0.002	0.075
-9.3	0.01	0.04
-9.4	0.02	0.007
-9.5	0.04	0
-9.6	0.049	0
-9.7	0.049	0
-9.8	0.048	0
-9.9	0.036	0
-10	0.015	0

Grafico Inviluppi Taglio



Taglio

Inviluppo Spinta Reale Efficace / Spinta Passiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Passiva %
NTC2018: A2+M2+R1	Stage 1	Left Wall	LEFT	8.7
NTC2018: A2+M2+R1	Stage 3	Left Wall	RIGHT	18.41

Inviluppo Spinta Reale Efficace / Spinta Attiva

Design Assumption	Stage	Muro	Lato	Inviluppo Spinta Reale Efficace / Spinta Attiva %
NTC2018: A2+M2+R1	Stage 3	Left Wall	LEFT	776.87
NTC2018: A2+M2+R1	Stage 1	Left Wall	RIGHT	2403.2

Normative adottate per le verifiche degli Elementi Strutturali

Normative Verifiche	
Calcestruzzo	NTC
Acciaio	NTC
Tirante	NTC

Coefficienti per Verifica Tiranti	
GEO FS	1
ξa3	1.8
γs	1.15

Riepilogo Stage / Design Assumption per Inviluppo

Design Assumption	Stage 1	Stage 2	Stage A	Stage B	Stage 3-
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	V	V	V	V	V
NTC2018: A1+M1+R1 (R3 per tiranti)	V	V	V	V	V
NTC2018: A2+M2+R1	V	V	V	V	V

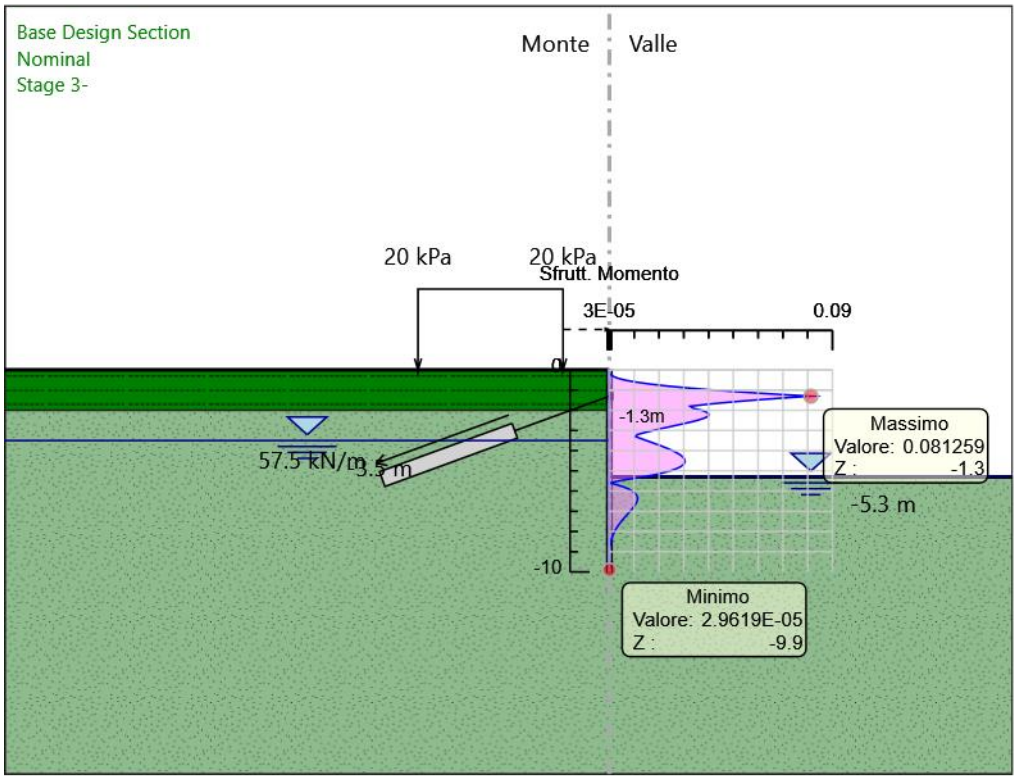
Risultati SteelWorld

Tabella Inviluppi Tasso di Sfruttamento M-N - SteelWorld : LEFT

Inviluppi Tasso di Sfruttamento M-N - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento M-N - SteelWorld
0	0
-0.1	0
-0.2	0
-0.3	0.001
-0.4	0.003
-0.5	0.006
-0.6	0.011
-0.7	0.016
-0.8	0.024
-0.9	0.032
-1	0.042
-1.1	0.054
-1.2	0.067
-1.3	0.081
-1.4	0.069
-1.5	0.058
-1.6	0.048
-1.7	0.04
-1.8	0.033
-1.9	0.034
-2	0.037
-2.1	0.039
-2.2	0.04
-2.3	0.04
-2.4	0.038
-2.5	0.035
-2.6	0.032
-2.7	0.029
-2.8	0.025
-2.9	0.021
-3	0.018
-3.1	0.014
-3.2	0.011
-3.3	0.011
-3.4	0.013
-3.5	0.015
-3.6	0.017
-3.7	0.02
-3.8	0.022
-3.9	0.024
-4	0.026
-4.1	0.027
-4.2	0.028
-4.3	0.03
-4.4	0.03
-4.5	0.031
-4.6	0.03
-4.7	0.03
-4.8	0.029
-4.9	0.027
-5	0.025
-5.1	0.022
-5.2	0.018
-5.3	0.013
-5.4	0.008
-5.5	0.004
-5.6	0
-5.7	0.003

Inviluppi Tasso di Sfruttamento M-N - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento M-N - SteelWorld
-5.8	0.006
-5.9	0.008
-6	0.009
-6.1	0.01
-6.2	0.011
-6.3	0.011
-6.4	0.011
-6.5	0.011
-6.6	0.011
-6.7	0.01
-6.8	0.01
-6.9	0.009
-7	0.008
-7.1	0.008
-7.2	0.007
-7.3	0.006
-7.4	0.005
-7.5	0.005
-7.6	0.004
-7.7	0.004
-7.8	0.003
-7.9	0.003
-8	0.002
-8.1	0.002
-8.2	0.001
-8.3	0.001
-8.4	0.001
-8.5	0.001
-8.6	0
-8.7	0
-8.8	0
-8.9	0
-9	0
-9.1	0
-9.2	0
-9.3	0
-9.4	0
-9.5	0
-9.6	0
-9.7	0
-9.8	0
-9.9	0
-10	0

Grafico Inviluppi Tasso di Sfruttamento M-N - SteelWorld



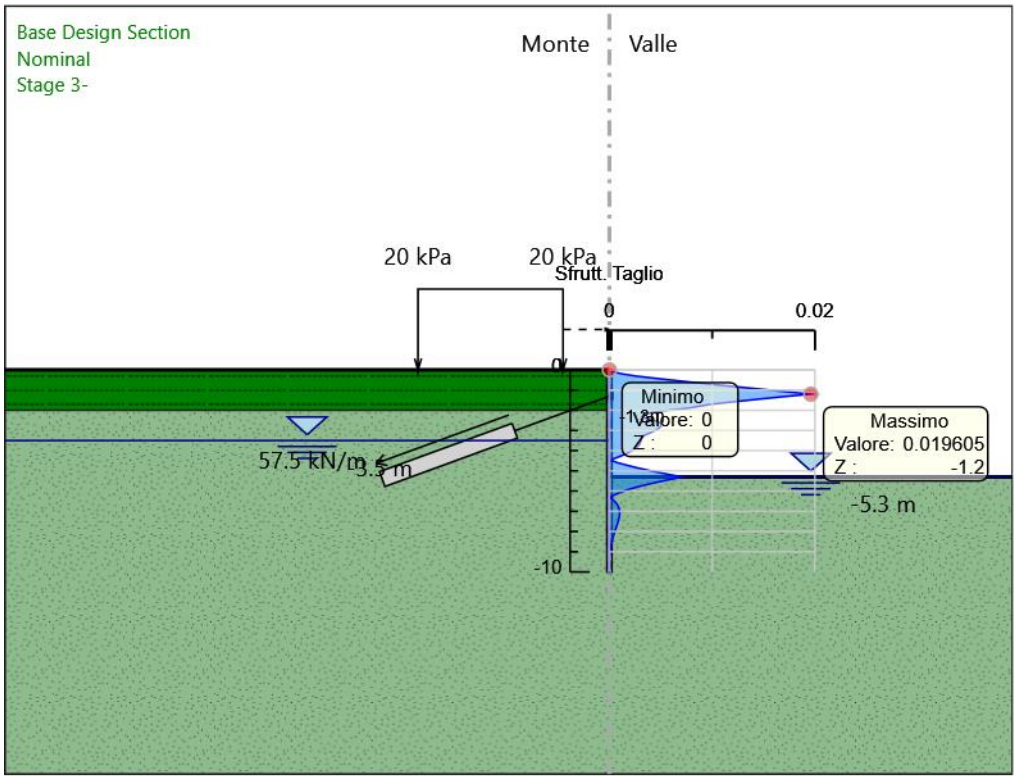
Inviluppi
Tasso di Sfruttamento M-N - SteelWorld

Tabella Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld : LEFT

Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento a Taglio - SteelWorld
0	0
-0.1	0
-0.2	0.001
-0.3	0.003
-0.4	0.004
-0.5	0.006
-0.6	0.008
-0.7	0.01
-0.8	0.012
-0.9	0.014
-1	0.016
-1.1	0.018
-1.2	0.02
-1.3	0.017
-1.4	0.015
-1.5	0.014
-1.6	0.012
-1.7	0.01
-1.8	0.009
-1.9	0.008
-2	0.006
-2.1	0.004
-2.2	0.003
-2.3	0.003
-2.4	0.004
-2.5	0.004
-2.6	0.005
-2.7	0.005
-2.8	0.005
-2.9	0.005
-3	0.004
-3.1	0.004
-3.2	0.004
-3.3	0.003
-3.4	0.003
-3.5	0.003
-3.6	0.003
-3.7	0.003
-3.8	0.003
-3.9	0.002
-4	0.002
-4.1	0.002
-4.2	0.001
-4.3	0.001
-4.4	0
-4.5	0
-4.6	0.001
-4.7	0.002
-4.8	0.002
-4.9	0.003
-5	0.004
-5.1	0.005
-5.2	0.006
-5.3	0.007
-5.4	0.006
-5.5	0.005
-5.6	0.004
-5.7	0.003
-5.8	0.003
-5.9	0.002
-6	0.001

Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento a Taglio - SteelWorld
-6.1	0.001
-6.2	0
-6.3	0
-6.4	0
-6.5	0
-6.6	0.001
-6.7	0.001
-6.8	0.001
-6.9	0.001
-7	0.001
-7.1	0.001
-7.2	0.001
-7.3	0.001
-7.4	0.001
-7.5	0.001
-7.6	0.001
-7.7	0.001
-7.8	0.001
-7.9	0.001
-8	0.001
-8.1	0
-8.2	0
-8.3	0
-8.4	0
-8.5	0
-8.6	0
-8.7	0
-8.8	0
-8.9	0
-9	0
-9.1	0
-9.2	0
-9.3	0
-9.4	0
-9.5	0
-9.6	0
-9.7	0
-9.8	0
-9.9	0
-10	0

Grafico Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld



Inviluppi
Tasso di Sfruttamento a Taglio - SteelWorld

Verifiche Tiranti NTC2018: SLE (Rara/Frequente/Quasi Permanente)

Design Assumption: NTC2018: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Verifiche Tiranti				NTC2018 (ITA)			
Tirante	Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	Ratio GEO	Ratio STR	Resistenza	Gerarchia delle Resistenze
Tieback_New_New_New_New	Stage B	230	791.681	605.557	0.291	0.38		NO
Tieback_New_New_New_New	Stage 3-	230.091	791.681	605.557	0.291	0.38		NO

Verifiche Tiranti NTC2018: A1+M1+R1 (R3 per tiranti)

Design Assumption: NTC2018: A1+M1+R1 (R3 per tiranti)	Tipo Risultato: Verifiche Tiranti				NTC2018 (ITA)			
Tirante	Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	Ratio GEO	Ratio STR	Resistenza	Gerarchia delle Resistenze
Tieback_New_New_New_New	Stage B	299	399.839	605.557	0.748	0.494		
Tieback_New_New_New_New	Stage 3-	299.122	399.839	605.557	0.748	0.494		

Verifiche Tiranti NTC2018: A2+M2+R1

Design Assumption: NTC2018: A2+M2+R1 Tirante	Tipo Risultato: Verifiche Tiranti Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	NTC2018 (ITA) Ratio GEO	Ratio STR	Resistenza	Gerarchia delle Resistenze
Tieback_New_New_New_New	Stage B	230	399.839	605.557	0.575	0.38		
Tieback_New_New_New_New	Stage 3-	230.071	399.839	605.557	0.575	0.38		

Inviluppo Verifiche Tiranti (su tutte le D.A. attive)

	Tipo Risultato: Verifiche Tiranti								
Tirante	Stage	Sollecitazione (kN)	Resistenza GEO (kN)	Resistenza STR (kN)	Ratio GEO	Ratio STR	Resistenza	Gerarchia delle Resistenze	Design Assumption
Tieback_New_New_New_New	Stage B	299	399.839	605.557	0.748	0.494			NTC2018: A1+M1+R1 (R3 per tiranti)

Verifiche Travi di Ripartizione Nominal

Design Assumption: Nominal	Tipo Risultato: Verifiche Travi di Ripartizione								
Trave di Ripartizione	Elemento strutturale	Sezione	Materiale	Stage	Carico distribuito (kN/m)	Assiale (kN)	Ratio M-N	Ratio taglio	Instabilità
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage B	57.5	0	0	0	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	57.523	0	0	0	0

Verifiche Travi di Ripartizione NTC2018: SLE (Rara/Frequente/Quasi Permanente)

Design Assumption: NTC2018: SLE (Rara/Frequente/Quasi Permanente)	Tipo Risultato: Verifiche Travi di Ripartizione	NTC2018 (ITA)							
Trave di Ripartizione	**Elemento strutturale**	**Sezione**	**Materiale**	**Stage**	**Carico distribuito (kN/m)**	**Assiale (kN)**	**Ratio M-N**	**Ratio taglio**	**Instabilità**
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage B	57.5	0	0.538	0.215	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	57.523	0	0.538	0.215	0

Verifiche Travi di Ripartizione NTC2018: A1+M1+R1 (R3 per tiranti)

Design Assumption: NTC2018: A1+M1+R1 (R3 per tiranti)	Tipo Risultato: Verifiche Travi di Ripartizione	NTC2018 (ITA)							
Trave di Ripartizione	**Elemento strutturale**	**Sezione**	**Materiale**	**Stage**	**Carico distribuito (kN/m)**	**Assiale (kN)**	**Ratio M-N**	**Ratio taglio**	**Instabilità**
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage B	74.75	0	0.7	0.28	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	74.78	0	0.7	0.28	0

Verifiche Travi di Ripartizione NTC2018: A2+M2+R1

Design Assumption: NTC2018: A2+M2+R1	Tipo Risultato: Verifiche Travi di Ripartizione	NTC2018 (ITA)							
Trave di Ripartizione	Elemento strutturale	Sezione	Materiale	Stage	Carico distribuito (kN/m)	Assiale (kN)	Ratio M-N	Ratio taglio	Instabilità
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage B	57.5	0	0.538	0.215	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	57.518	0	0.538	0.215	0