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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CAPOGRUPPO MANDATARIA:

PROGER

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Dott. Ing. Lorenzo INFANTE

PROTOCOLLO | DATA _____ 202_

OPERE D'ARTE MINORI - TOMBINI

Tombino 2x2 pk 0+969 – Relazione di calcolo opere provvisionali

CODICE PROGETTO	NOME FILE	REVISIONE	SCALA:
DP RM368 E23	CODICE ELAB. T01TM07STRRE02B	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 TM07.
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.

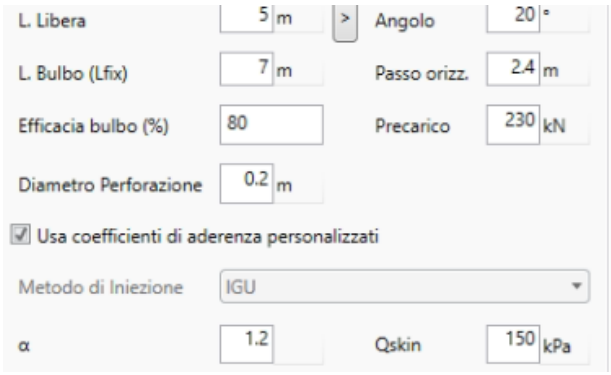
1.1 Descrizione dell'opera

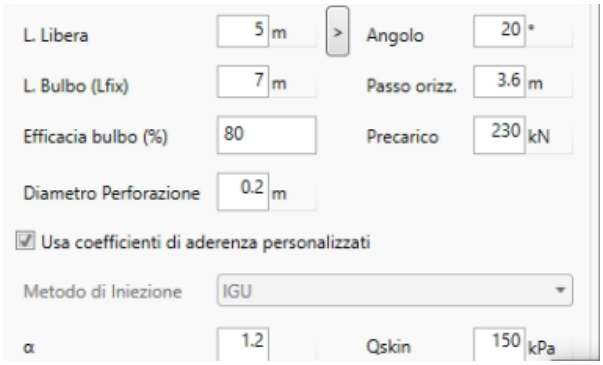
Sono stati previsti micropali tirantati di diametro Φ240 mm, interasse 0.4m e altezza pari a 10m.
I modelli di calcolo analizzati sono riferiti a:

- Fase iniziale: interasse tiranti pari a 2.4 m
- fase di realizzazione del tombino: interasse tiranti pari a 3.6 m.

h_{Scavo}	h_{tot}
(m)	(m)
5.4	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:

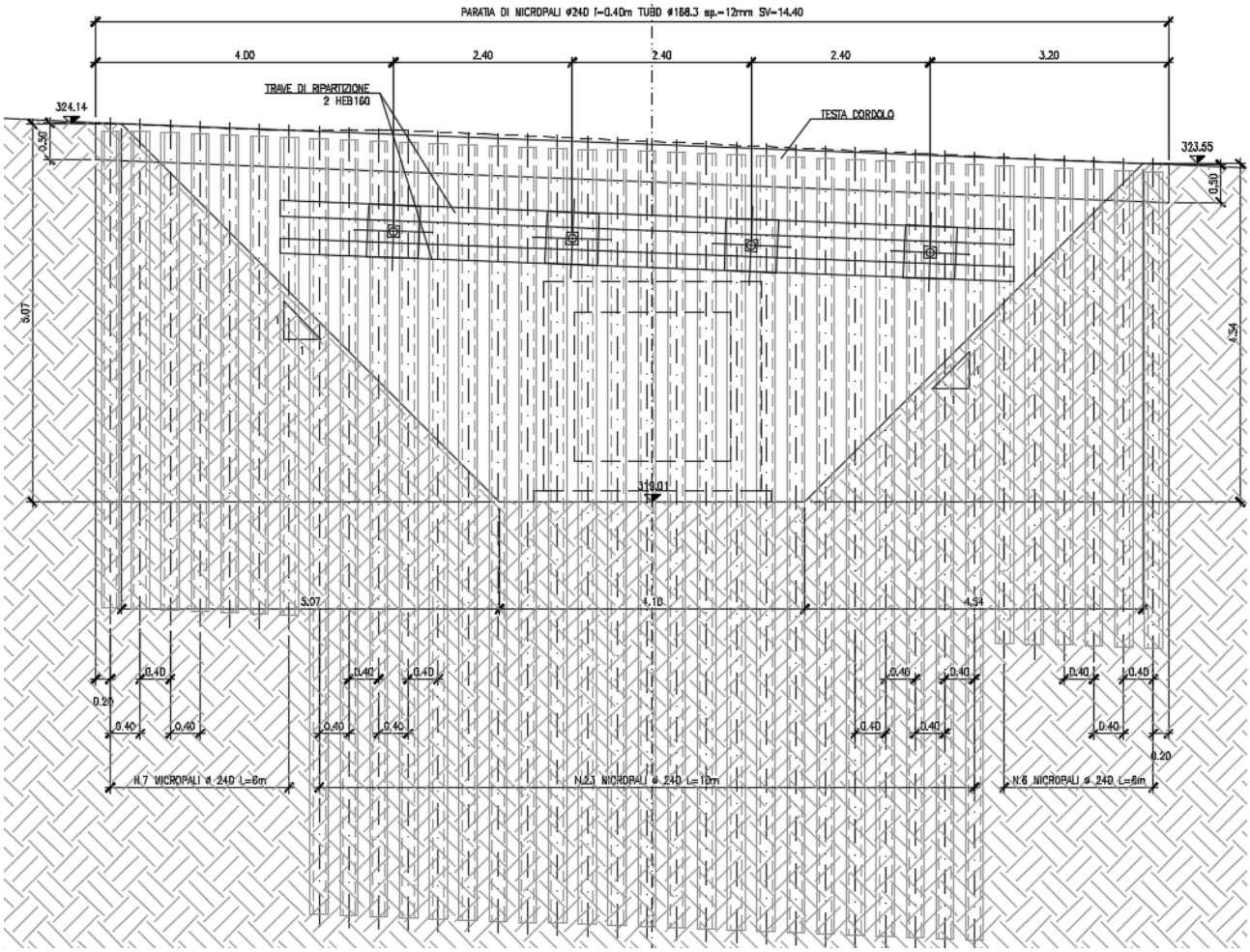


Fig. 1- prospetto fase iniziale

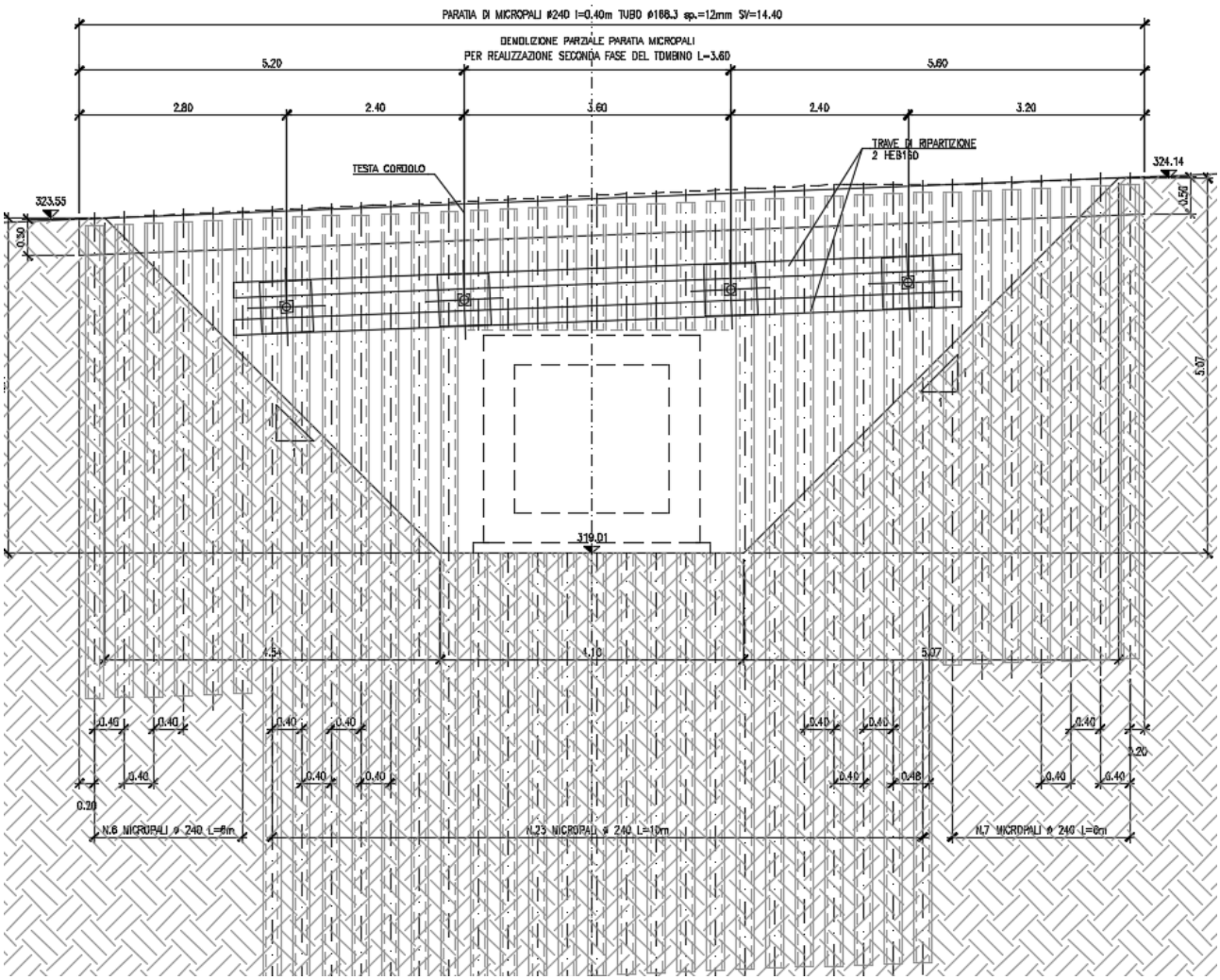


Fig. 2- prospetto fase realizzazione tombino

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:

T01TM07STRCA01

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 3m unità SRa
- Unità Sr infinitamente distesa
- Falda a profondità di 6.5m dal p.c.

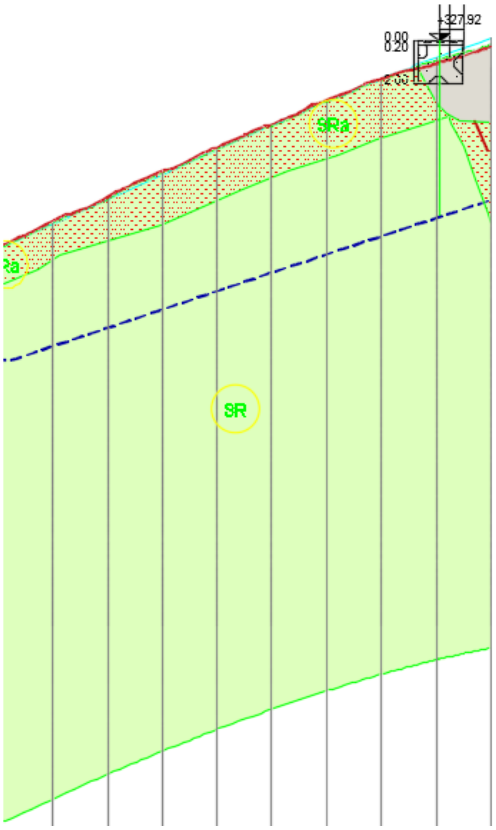


Fig. 3 stratigrafia di progetto

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 SRa (calcari marnosi alterati)

$\gamma = 24$ kN/m^3	peso di volume naturale
c' = 45 kPa	coesione drenata
$\varphi' = 40°$	angolo di resistenza al taglio
E= 150 MPa	modulo di deformazione

Unità SR (calcari marnosi)

$\gamma = 24.5$ kN/m^3	peso di volume naturale
c' = 40 kPa	coesione drenata
$\varphi' = 40°$	angolo di resistenza al taglio

L'opera è interessata dalla presenza della falda alla quota 6.5m 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

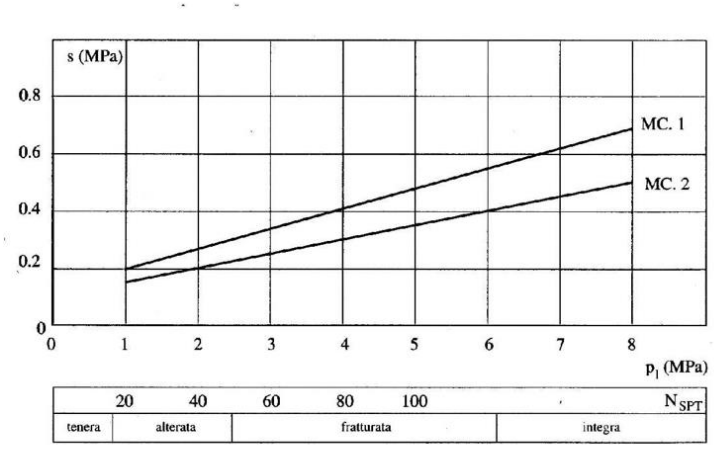


Fig. 13.18. Abaco per il calcolo di s per gessi, marne, marne calcaree

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

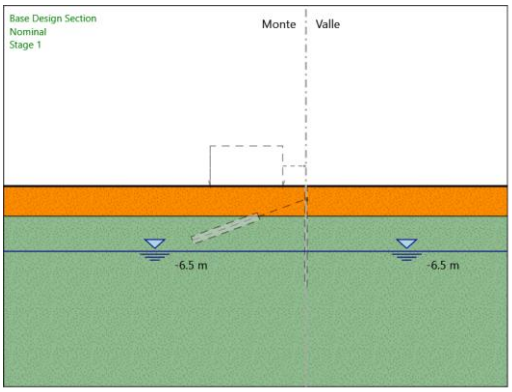
Lo stato tenso-deformativo dei pali è stato investigato mediante il software di calcolo PARATIE PLUS, programma non lineare agli elementi finiti per l'analisi di strutture di sostegno flessibili.
Si è considerato un comportamento piano nelle deformazioni, analizzando una striscia di parete di larghezza 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.

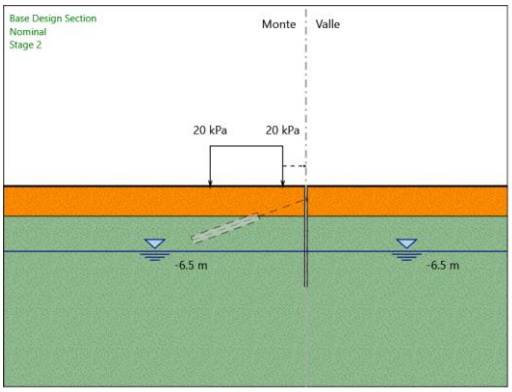
5.3 Paratia provvisionale

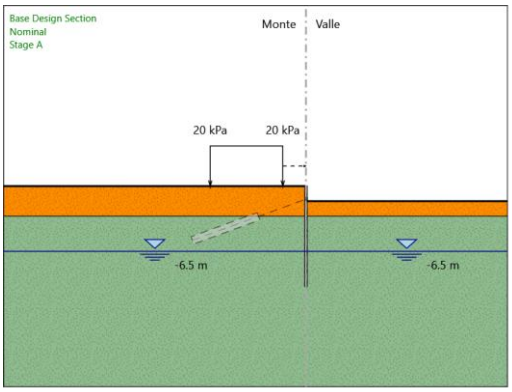
La paratia è costituita micropali D240 interasse 2.4 m, L=10 m.
L'altezza di scavo finale è 5.4 m.

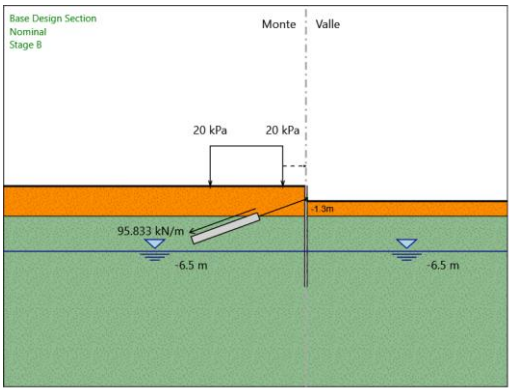
Nella modellazione è implementata la seguente successione di step:

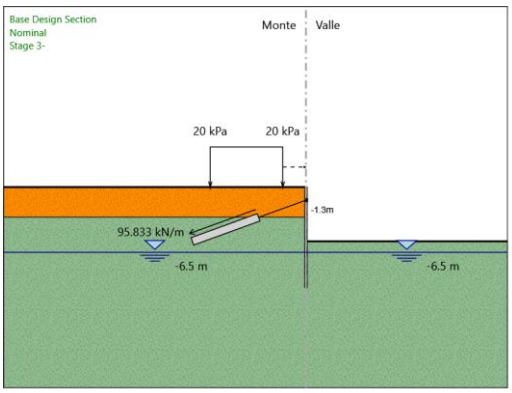
1) Inizializzazione
2) Realizzazione della paratia e applicazione carico stradale
3) Scavo per realizzazione tirante
4) realizzazione tirante
5) scavo finale


Base Design Section
Nominal
Stage 1
Monte
Valle
-6.5 m
-6.5 m


Base Design Section
Nominal
Stage 2
Monte
Valle
20 kPa
20 kPa
-6.5 m
-6.5 m


Base Design Section
Nominal
Stage A
Monte
Valle
20 kPa
20 kPa
-6.5 m
-6.5 m


Base Design Section
Nominal
Stage B
Monte
Valle
20 kPa
20 kPa
-1.3m
95.833 kN/m
-6.5 m
-6.5 m


Base Design Section
Nominal
Stage 3-
Monte
Valle
20 kPa
20 kPa
-1.3m
95.833 kN/m
-6.5 m
-6.5 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 3.6m.

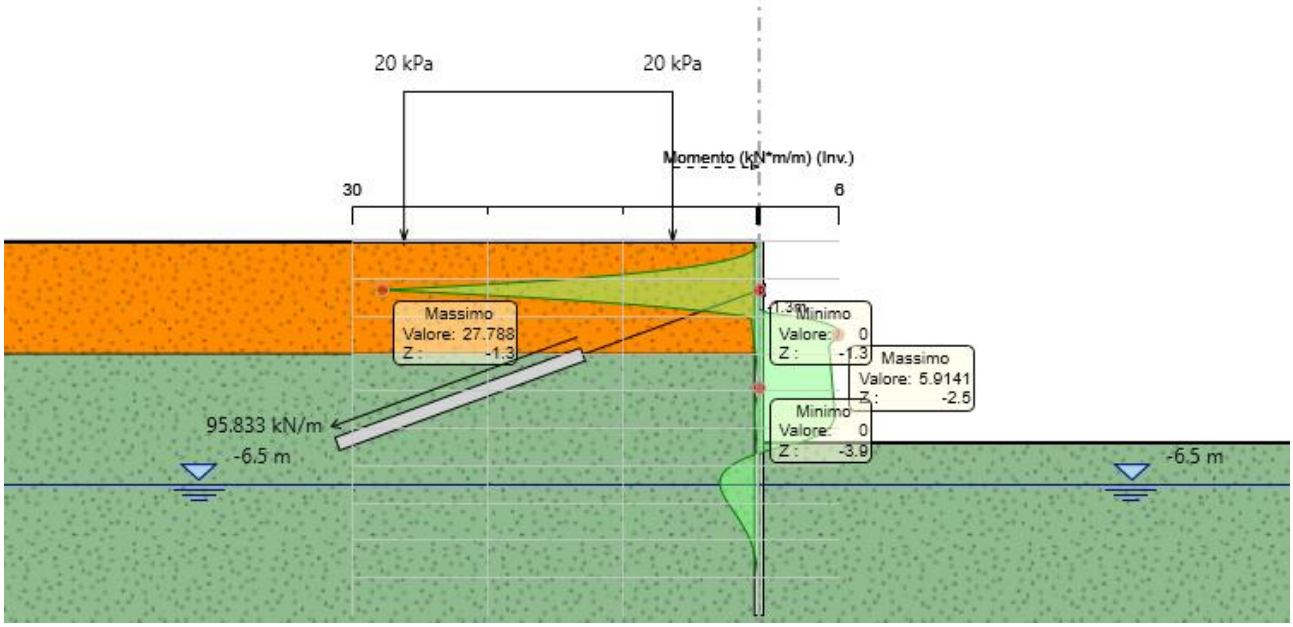
Si riporta l'indicazione dei valori massimi delle sollecitazioni flettenti e taglianti relativi all'analisi al metro .

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

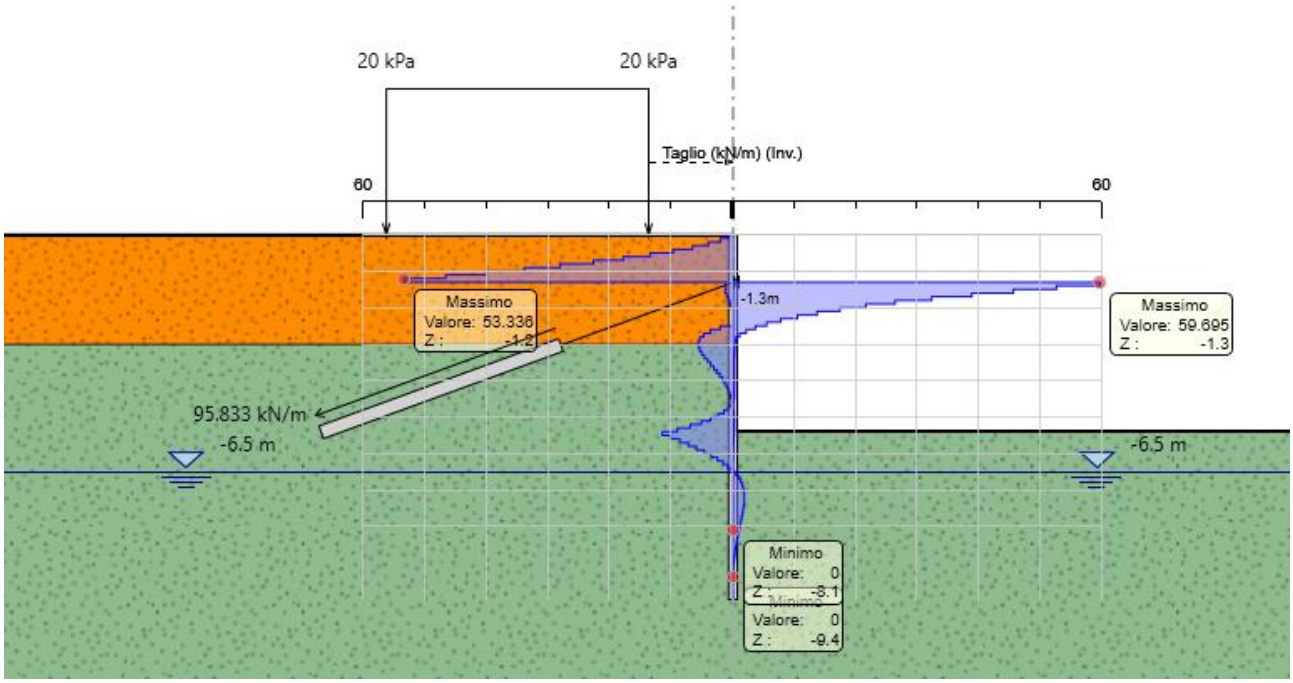
7.1 Verifiche SLU

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.

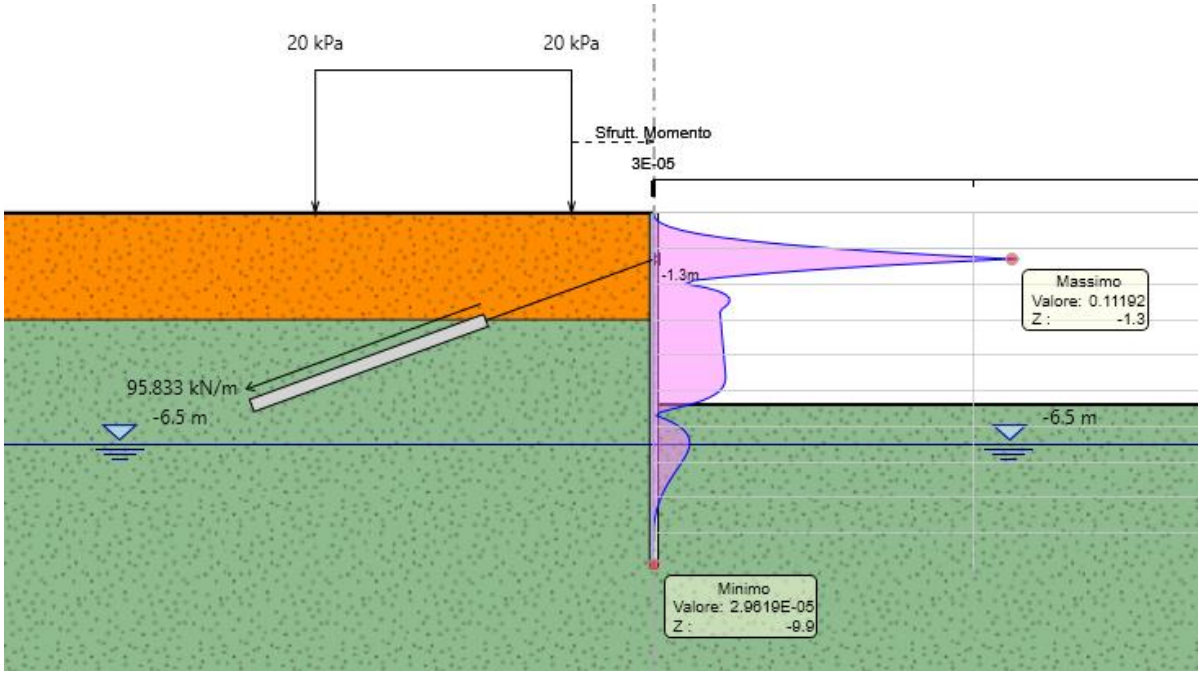


Dall'inviluppo del taglio si osserva che il massimo valore risulta pari a 75 kN/m.

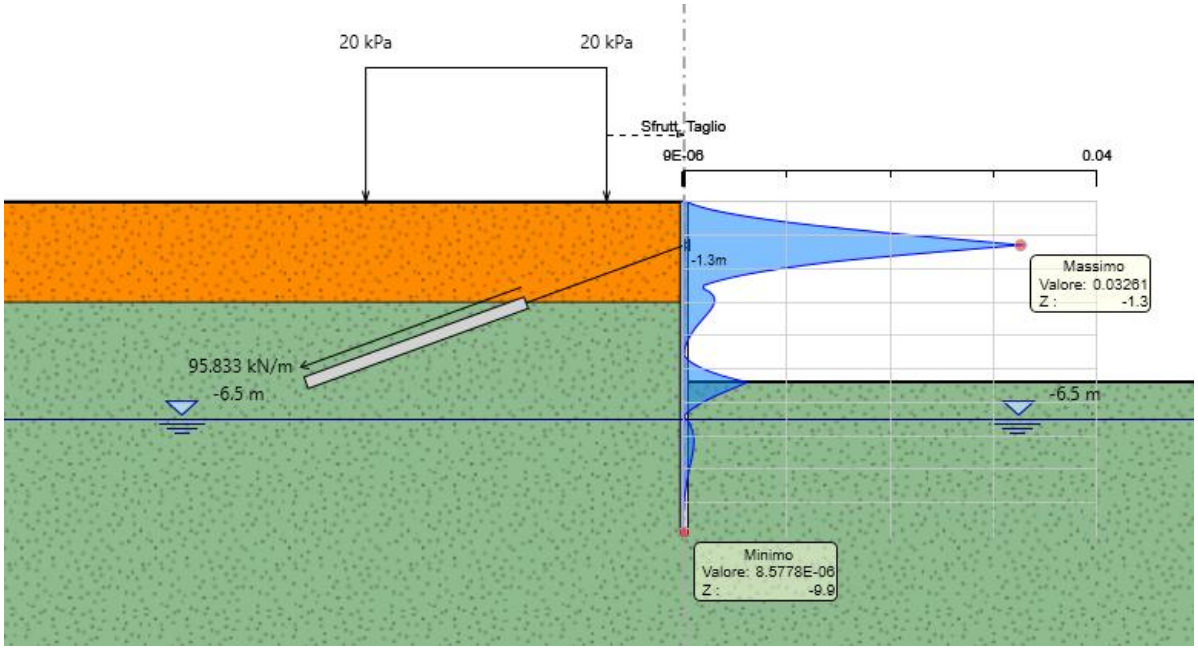


Nel seguito si riportano i risultati delle verifiche strutturali dei pali a flessione e a taglio condotte mediante l'ausilio di Paratie plus. In particolare si riportano i diagrammi dei tassi di sfruttamento, ottenuti come rapporto tra sollecitazione presente e resistenza disponibile in ogni sezione.

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

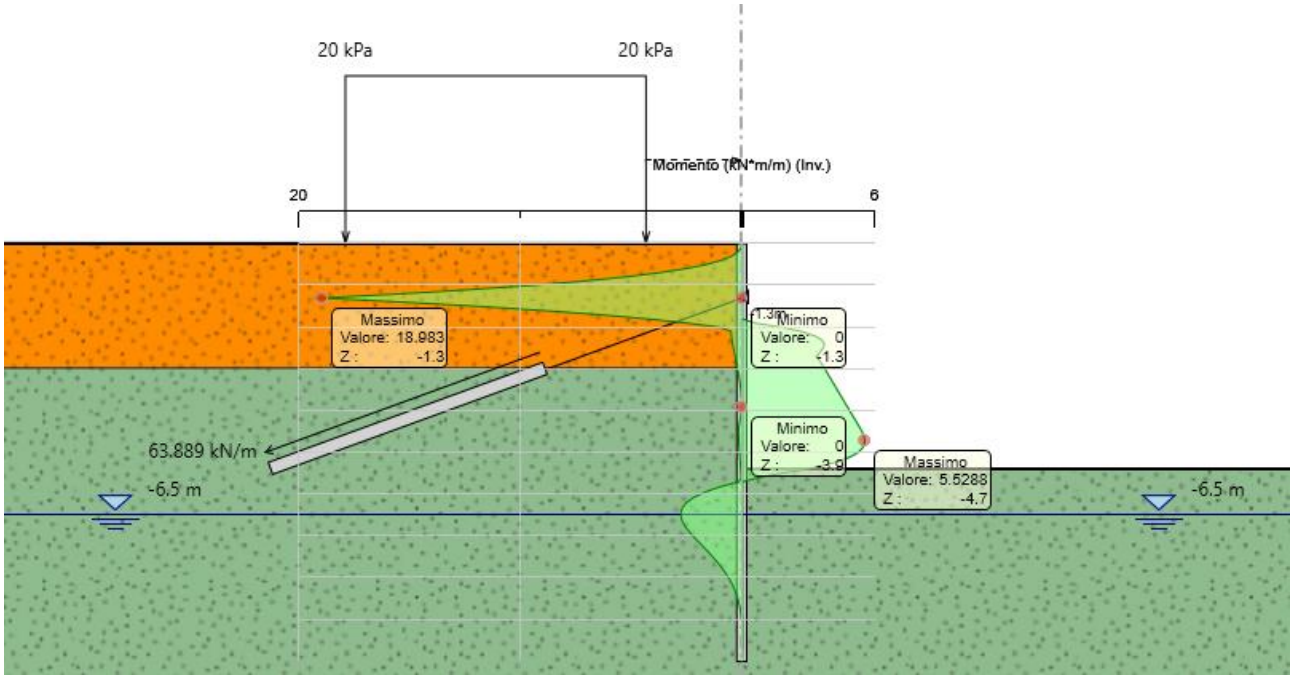


Tasso di sfruttamento a taglio T.S.F.max = 0.03 <1

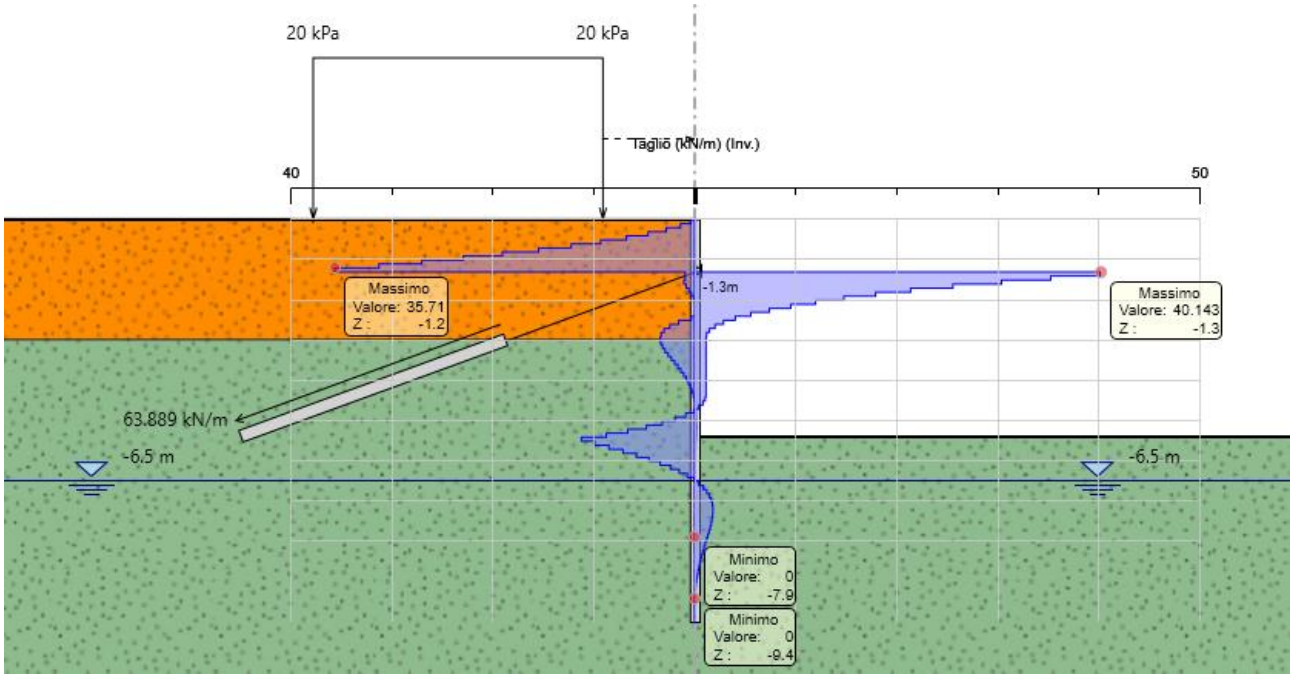


7.1.2 Modello con interasse tiranti di 3,6m

Dall'inviluppo del momento flettente si osserva che il massimo valore risulta pari a 18 kNm/m.

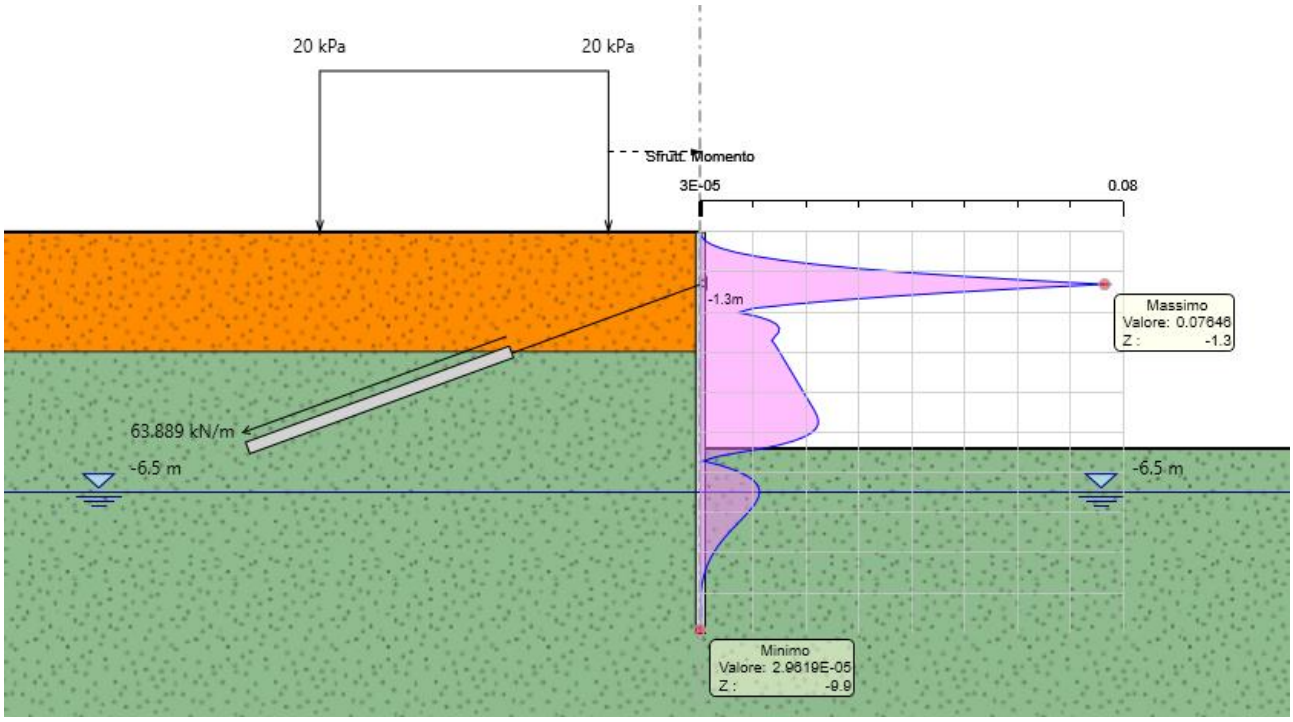


Dall'inviluppo del taglio si osserva che il massimo valore risulta pari a 40 kN/m.

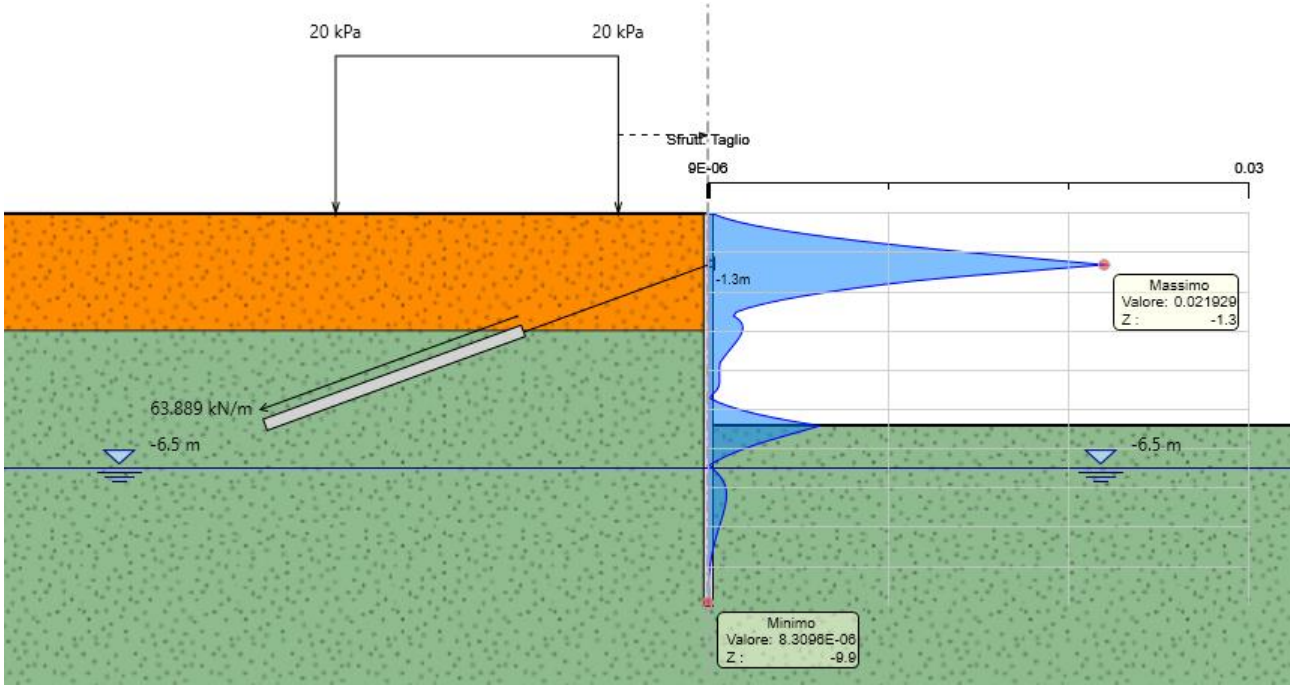


Nel seguito si riportano i risultati delle verifiche strutturali dei pali a flessione e a taglio condotte mediante l'ausilio di Paratie plus. In particolare si riportano i diagrammi dei tassi di sfruttamento, ottenuti come rapporto tra sollecitazione presente e resistenza disponibile in ogni sezione.

Tasso di sfruttamento a momento T.S.F.max = 0.07 <1



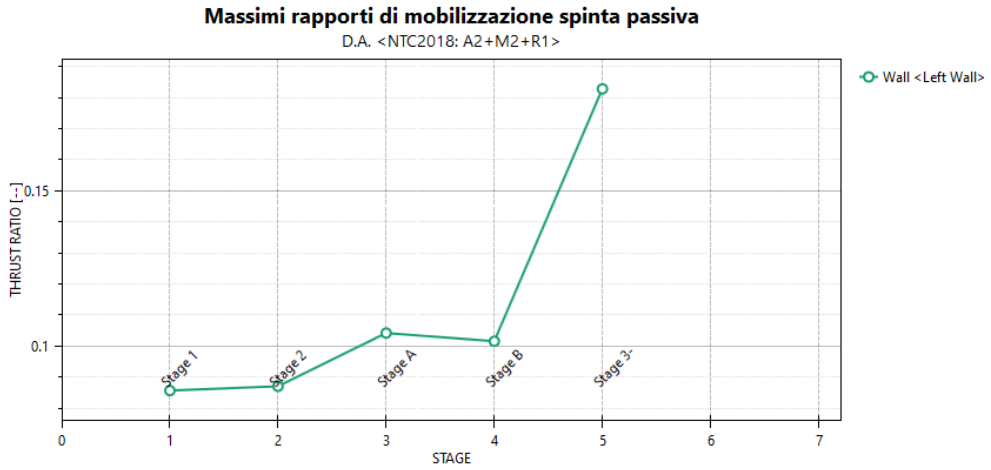
Tasso di sfruttamento a taglio T.S.F.max = 0.02 <1



7.2 Verifiche SLE GEO

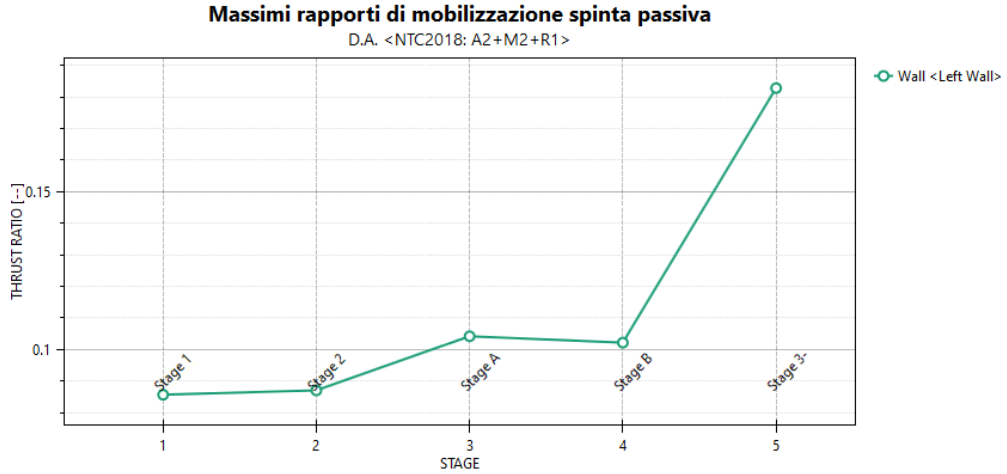
7.2.1 Modello con interasse tiranti di 2,4m

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 3,6m

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: 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	229.99	399.84	605.56	0.575	0.38	✔	✔
Tieback_New_New_N	Stage 3-	230.14	399.84	605.56	0.576	0.38	✔	✔

7.3.2 Modello con interasse tiranti di 3,6m

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-	230.2	399.84	605.56	0.576	0.38	✔	✔

7.4 Risultati trave di ripartizione

7.4.1 Modello con interasse tiranti di 2,4m

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	2.4	NTC2018: A2+I	Stage B	95.83	0	0.323	0.215	0
Default Waler	Tieback_New_N	HE 160B	S355	2.4	NTC2018: A2+I	Stage 3-	95.891	0	0.323	0.215	0

7.4.2 Modello con interasse tiranti di 3,6m

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	3.6	NTC2018: A2+I	Stage B	63.89	0	0.484	0.215	0
Default Waler	Tieback_New_N	HE 160B	S355	3.6	NTC2018: A2+I	Stage 3-	63.943	0	0.485	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;-3)
(20;-3)
(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	unità SRa (calcari marnosi alterati litoidi)	24	24	40			45		Constant		150000	240000									
2	unità SR	24.5	24.5	40			40		Constant		150000	240000									

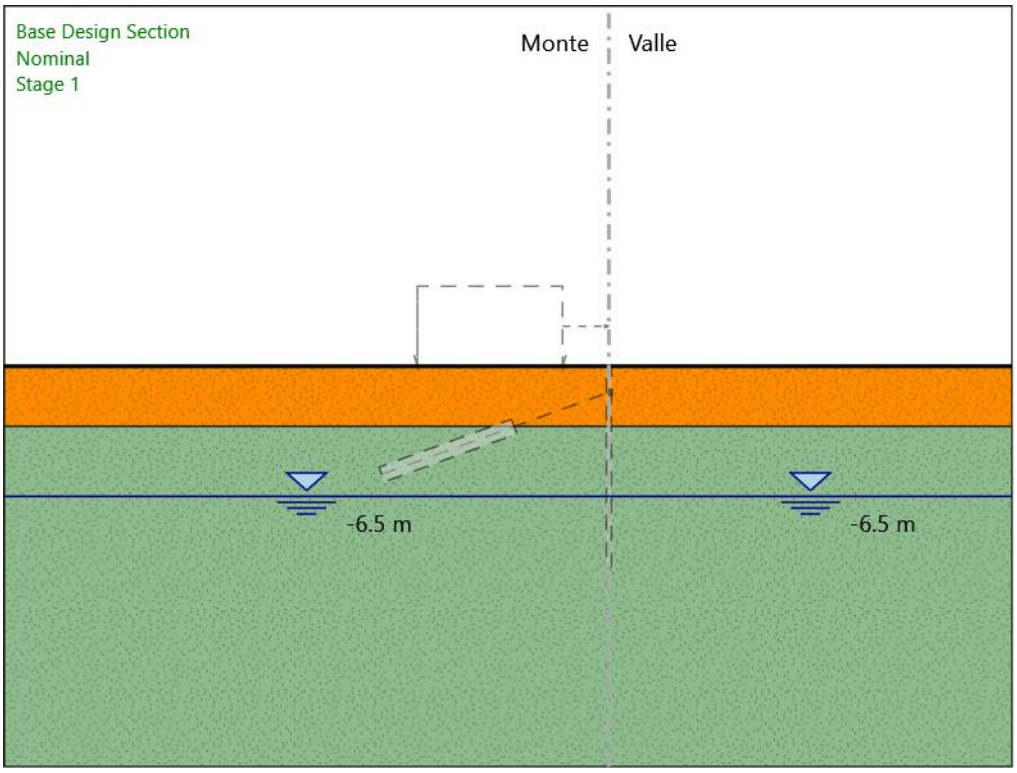
Descrizione Pareti

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)

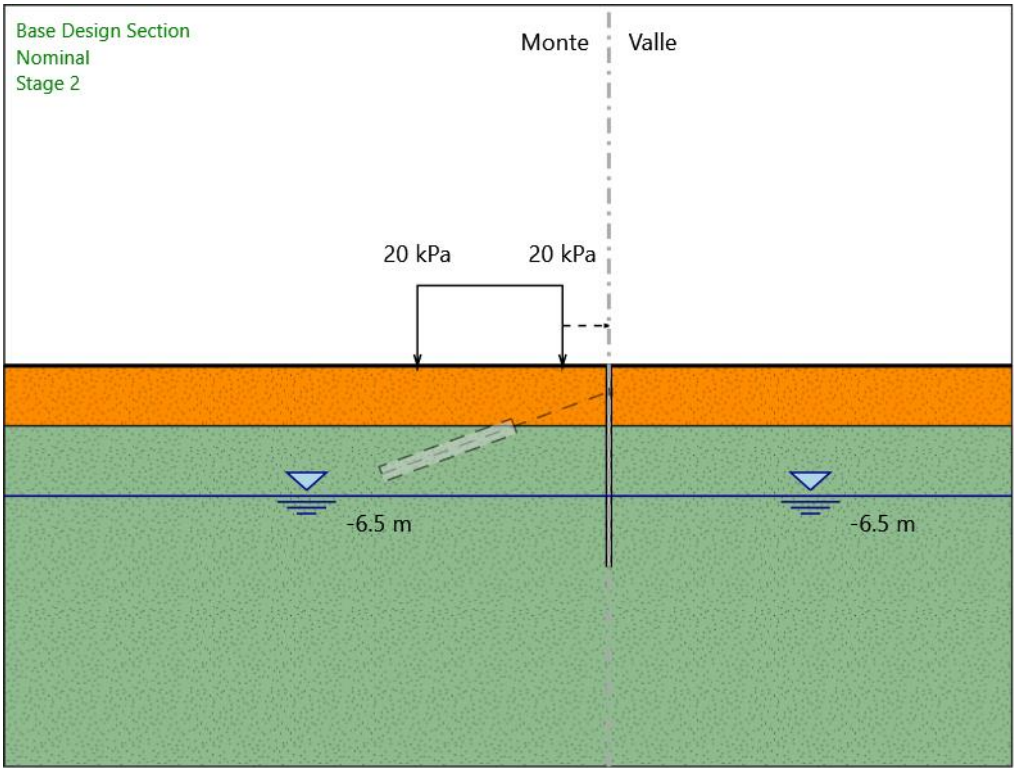
0 m

Falda acquifera

Falda di sinistra : -6.5 m

Falda di destra : -6.5 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 : -6.5 m

Falda di destra : -6.5 m

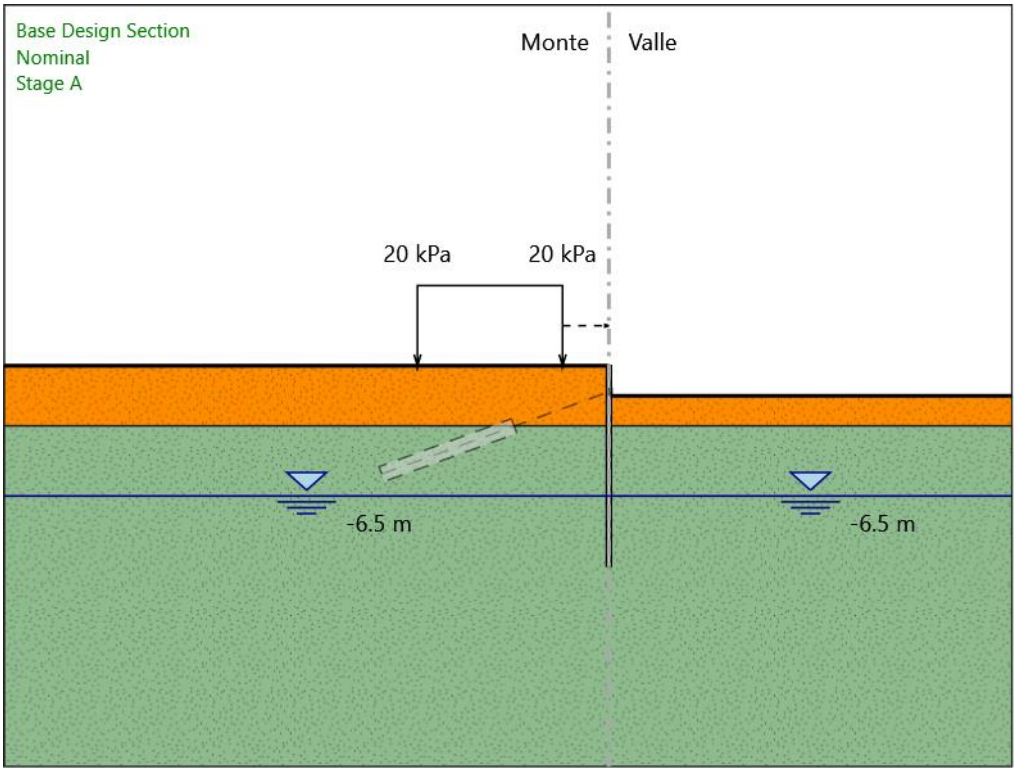
Carichi

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

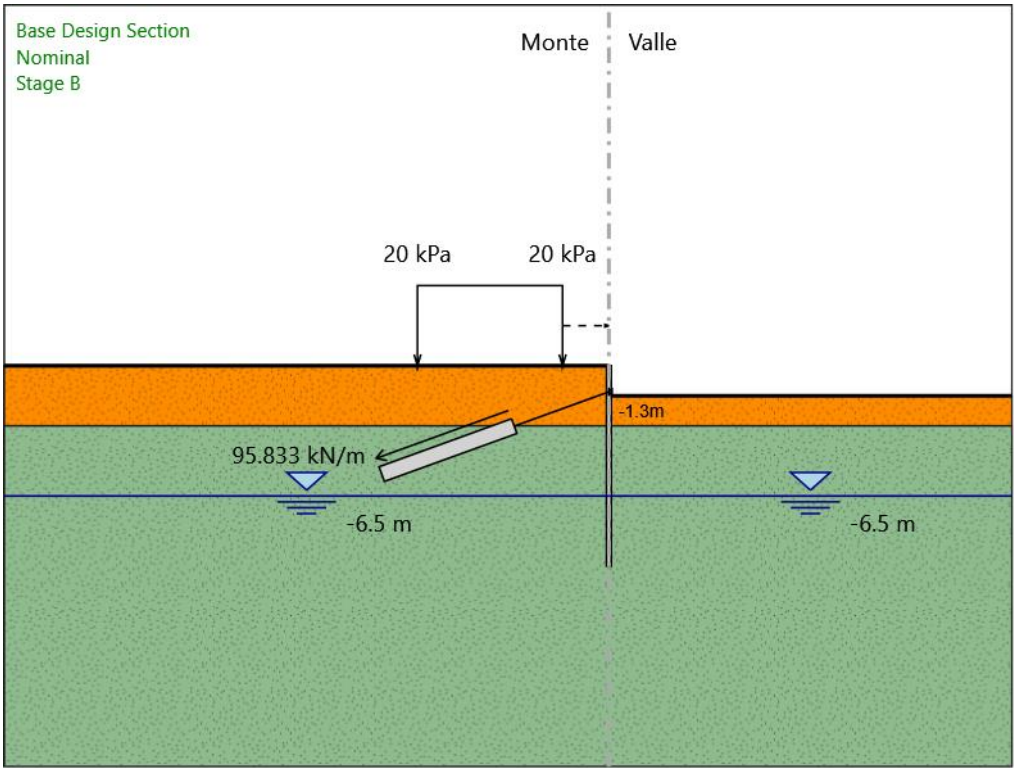
Linea di scavo di sinistra (Orizzontale)
0 m
Linea di scavo di destra (Orizzontale)
-1.5 m

Falda acquifera
Falda di sinistra : -6.5 m
Falda di destra : -6.5 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 : -6.5 m

Falda di destra : -6.5 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

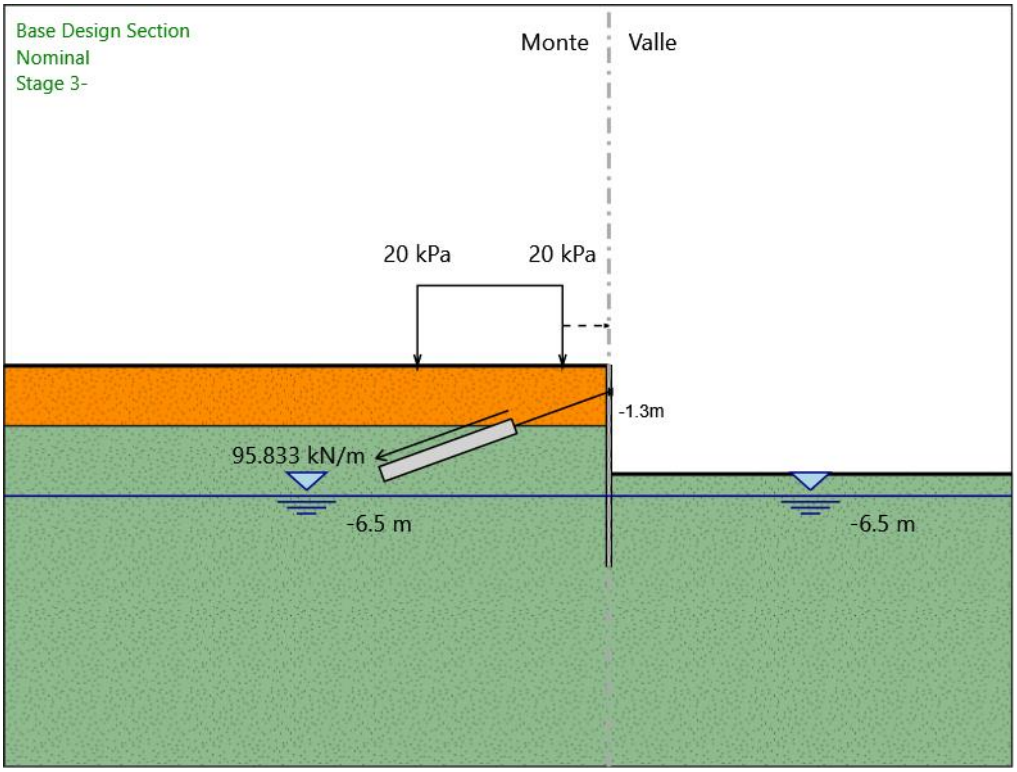
Trave di Ripartizione : Default Waler

Sezione : Waler Section 2 steel

HE 160B

Materiale : S355

Stage 3-



Stage 3-

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -5.4 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-5.4 m

Falda acquifera

Falda di sinistra : -6.5 m

Falda di destra : -6.5 m

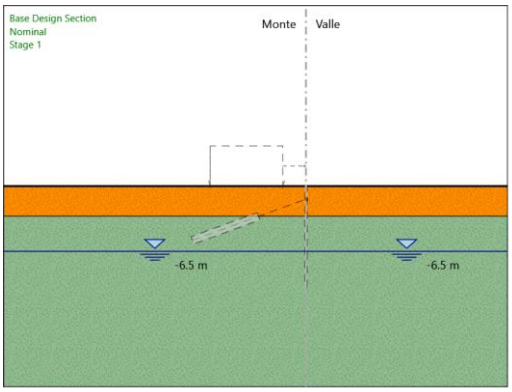
Carichi

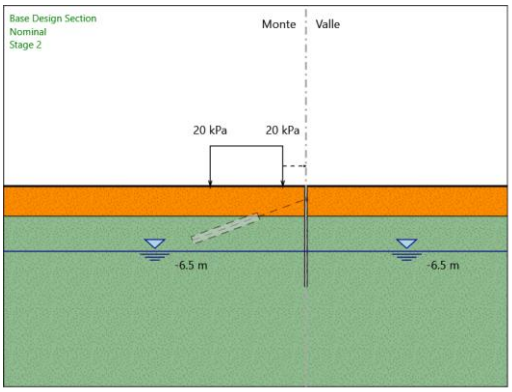
- Carico lineare in superficie : SurfaceSurcharge
  - X iniziale : -9.5 m
  - X finale : -2.3 m
  - Pressione iniziale : 20 kPa
  - Pressione finale : 20 kPa

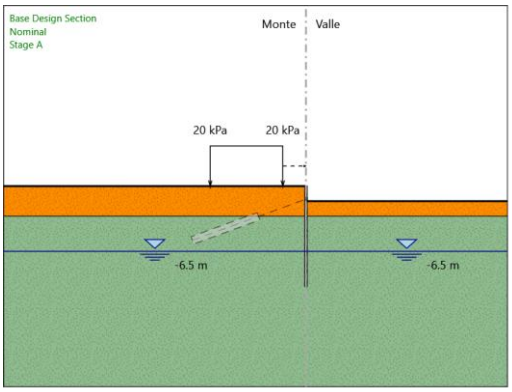
Elementi strutturali

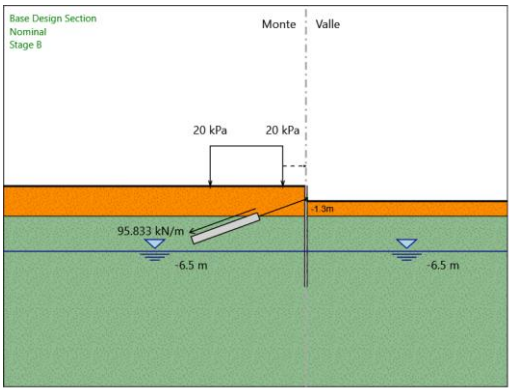
- Paratia : paratia sx
  - X : 0 m
  - Quota in alto : 0 m
  - Quota di fondo : -10 m
  - Sezione : mc 240 inter 40 cm
- Tirante : Tieback_New_New_New_New
  - X : 0 m
  - Z : -1.3 m
  - Lunghezza bulbo : 7 m
  - Diametro bulbo : 0.2 m
  - Lunghezza libera : 5 m
  - Spaziatura orizzontale : 2.4 m
  - 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

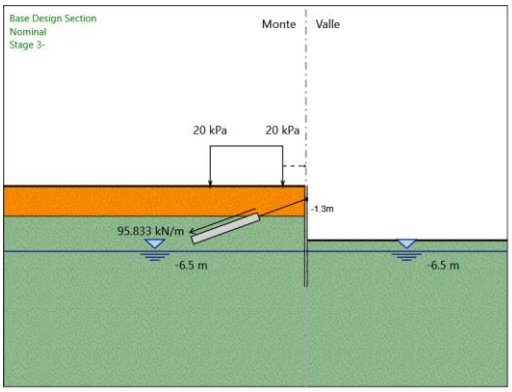
Tabella Configurazione Stage (Nominal)











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

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	-5.2	0
Stage 1	-5.3	0
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

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2	-5.9	0.01
Stage 2	-6	0.01
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	0.08
Stage A	-0.1	0.08
Stage A	-0.2	0.08
Stage A	-0.3	0.07
Stage A	-0.4	0.07
Stage A	-0.5	0.07
Stage A	-0.6	0.07
Stage A	-0.7	0.06
Stage A	-0.8	0.06
Stage A	-0.9	0.06
Stage A	-1	0.06
Stage A	-1.1	0.06
Stage A	-1.2	0.05
Stage A	-1.3	0.05
Stage A	-1.4	0.05
Stage A	-1.5	0.05
Stage A	-1.6	0.04
Stage A	-1.7	0.04
Stage A	-1.8	0.04
Stage A	-1.9	0.04
Stage A	-2	0.04
Stage A	-2.1	0.04
Stage A	-2.2	0.04
Stage A	-2.3	0.03
Stage A	-2.4	0.03
Stage A	-2.5	0.03
Stage A	-2.6	0.03
Stage A	-2.7	0.03
Stage A	-2.8	0.03
Stage A	-2.9	0.03
Stage A	-3	0.03
Stage A	-3.1	0.03
Stage A	-3.2	0.03
Stage A	-3.3	0.03
Stage A	-3.4	0.03
Stage A	-3.5	0.03
Stage A	-3.6	0.03
Stage A	-3.7	0.03
Stage A	-3.8	0.03
Stage A	-3.9	0.03
Stage A	-4	0.03
Stage A	-4.1	0.03
Stage A	-4.2	0.03
Stage A	-4.3	0.03
Stage A	-4.4	0.03
Stage A	-4.5	0.03
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

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage A	-5.9	0.03
Stage A	-6	0.03
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	0.04
Stage A	-8.8	0.04
Stage A	-8.9	0.04
Stage A	-9	0.04
Stage A	-9.1	0.04
Stage A	-9.2	0.04
Stage A	-9.3	0.04
Stage A	-9.4	0.04
Stage A	-9.5	0.04
Stage A	-9.6	0.04
Stage A	-9.7	0.04
Stage A	-9.8	0.04
Stage A	-9.9	0.04
Stage A	-10	0.04

Tabella Spostamento Nominal - LEFT Stage: Stage B

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage B	0	0.07
Stage B	-0.1	0.04
Stage B	-0.2	0.01
Stage B	-0.3	-0.02
Stage B	-0.4	-0.05
Stage B	-0.5	-0.08
Stage B	-0.6	-0.11
Stage B	-0.7	-0.14
Stage B	-0.8	-0.16
Stage B	-0.9	-0.19
Stage B	-1	-0.21
Stage B	-1.1	-0.23
Stage B	-1.2	-0.24
Stage B	-1.3	-0.24
Stage B	-1.4	-0.23
Stage B	-1.5	-0.22
Stage B	-1.6	-0.2
Stage B	-1.7	-0.18
Stage B	-1.8	-0.16
Stage B	-1.9	-0.14
Stage B	-2	-0.11
Stage B	-2.1	-0.09
Stage B	-2.2	-0.07
Stage B	-2.3	-0.05
Stage B	-2.4	-0.03
Stage B	-2.5	-0.01
Stage B	-2.6	0
Stage B	-2.7	0.01
Stage B	-2.8	0.02
Stage B	-2.9	0.03
Stage B	-3	0.03
Stage B	-3.1	0.04
Stage B	-3.2	0.04
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	0.04
Stage B	-4.2	0.04
Stage B	-4.3	0.04
Stage B	-4.4	0.04
Stage B	-4.5	0.04
Stage B	-4.6	0.04
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

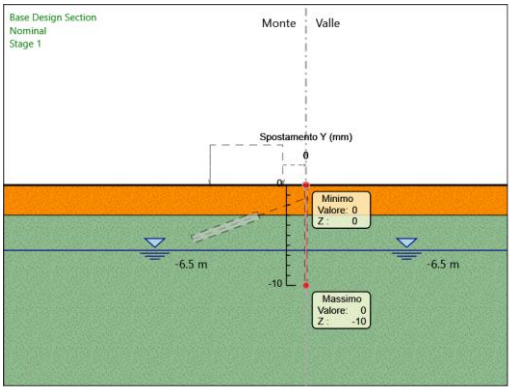
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage B	-5.9	0.03
Stage B	-6	0.03
Stage B	-6.1	0.03
Stage B	-6.2	0.03
Stage B	-6.3	0.03
Stage B	-6.4	0.03
Stage B	-6.5	0.03
Stage B	-6.6	0.03
Stage B	-6.7	0.03
Stage B	-6.8	0.03
Stage B	-6.9	0.03
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	0.04
Stage B	-8.8	0.04
Stage B	-8.9	0.04
Stage B	-9	0.04
Stage B	-9.1	0.04
Stage B	-9.2	0.04
Stage B	-9.3	0.04
Stage B	-9.4	0.04
Stage B	-9.5	0.04
Stage B	-9.6	0.04
Stage B	-9.7	0.04
Stage B	-9.8	0.04
Stage B	-9.9	0.04
Stage B	-10	0.04

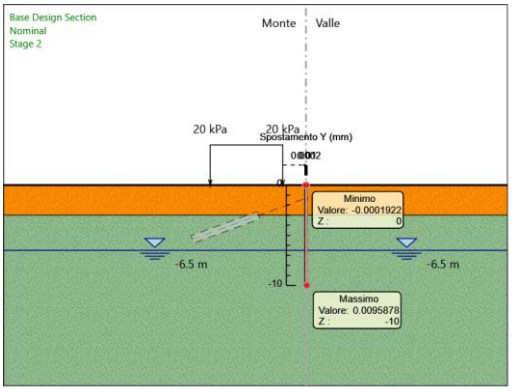
Tabella Spostamento Nominal - LEFT Stage: Stage 3-

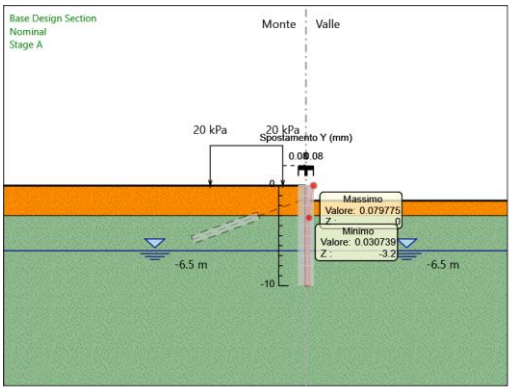
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-	0	-0.01
Stage 3-	-0.1	-0.04
Stage 3-	-0.2	-0.06
Stage 3-	-0.3	-0.08
Stage 3-	-0.4	-0.11
Stage 3-	-0.5	-0.13
Stage 3-	-0.6	-0.15
Stage 3-	-0.7	-0.17
Stage 3-	-0.8	-0.19
Stage 3-	-0.9	-0.21
Stage 3-	-1	-0.22
Stage 3-	-1.1	-0.23
Stage 3-	-1.2	-0.23
Stage 3-	-1.3	-0.22
Stage 3-	-1.4	-0.2
Stage 3-	-1.5	-0.18
Stage 3-	-1.6	-0.14
Stage 3-	-1.7	-0.11
Stage 3-	-1.8	-0.07
Stage 3-	-1.9	-0.03
Stage 3-	-2	0.02
Stage 3-	-2.1	0.06
Stage 3-	-2.2	0.11
Stage 3-	-2.3	0.15
Stage 3-	-2.4	0.19
Stage 3-	-2.5	0.23
Stage 3-	-2.6	0.27
Stage 3-	-2.7	0.31
Stage 3-	-2.8	0.34
Stage 3-	-2.9	0.37
Stage 3-	-3	0.41
Stage 3-	-3.1	0.44
Stage 3-	-3.2	0.46
Stage 3-	-3.3	0.49
Stage 3-	-3.4	0.51
Stage 3-	-3.5	0.53
Stage 3-	-3.6	0.55
Stage 3-	-3.7	0.57
Stage 3-	-3.8	0.59
Stage 3-	-3.9	0.6
Stage 3-	-4	0.61
Stage 3-	-4.1	0.62
Stage 3-	-4.2	0.63
Stage 3-	-4.3	0.63
Stage 3-	-4.4	0.64
Stage 3-	-4.5	0.64
Stage 3-	-4.6	0.64
Stage 3-	-4.7	0.63
Stage 3-	-4.8	0.63
Stage 3-	-4.9	0.62
Stage 3-	-5	0.61
Stage 3-	-5.1	0.6
Stage 3-	-5.2	0.59
Stage 3-	-5.3	0.58
Stage 3-	-5.4	0.56
Stage 3-	-5.5	0.55
Stage 3-	-5.6	0.53
Stage 3-	-5.7	0.51
Stage 3-	-5.8	0.5

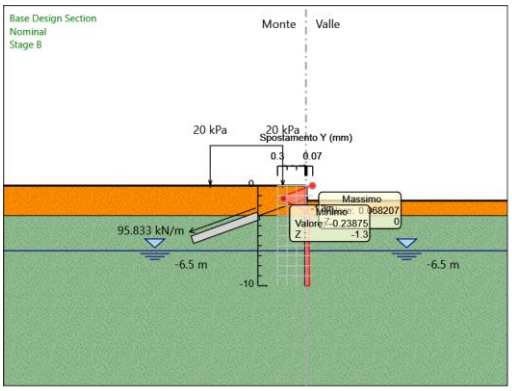
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-	-5.9	0.48
Stage 3-	-6	0.46
Stage 3-	-6.1	0.45
Stage 3-	-6.2	0.43
Stage 3-	-6.3	0.42
Stage 3-	-6.4	0.41
Stage 3-	-6.5	0.4
Stage 3-	-6.6	0.38
Stage 3-	-6.7	0.38
Stage 3-	-6.8	0.37
Stage 3-	-6.9	0.36
Stage 3-	-7	0.35
Stage 3-	-7.1	0.35
Stage 3-	-7.2	0.34
Stage 3-	-7.3	0.34
Stage 3-	-7.4	0.33
Stage 3-	-7.5	0.33
Stage 3-	-7.6	0.33
Stage 3-	-7.7	0.33
Stage 3-	-7.8	0.32
Stage 3-	-7.9	0.32
Stage 3-	-8	0.32
Stage 3-	-8.1	0.32
Stage 3-	-8.2	0.32
Stage 3-	-8.3	0.32
Stage 3-	-8.4	0.32
Stage 3-	-8.5	0.32
Stage 3-	-8.6	0.32
Stage 3-	-8.7	0.32
Stage 3-	-8.8	0.32
Stage 3-	-8.9	0.31
Stage 3-	-9	0.31
Stage 3-	-9.1	0.31
Stage 3-	-9.2	0.31
Stage 3-	-9.3	0.31
Stage 3-	-9.4	0.31
Stage 3-	-9.5	0.31
Stage 3-	-9.6	0.31
Stage 3-	-9.7	0.31
Stage 3-	-9.8	0.31
Stage 3-	-9.9	0.31
Stage 3-	-10	0.31

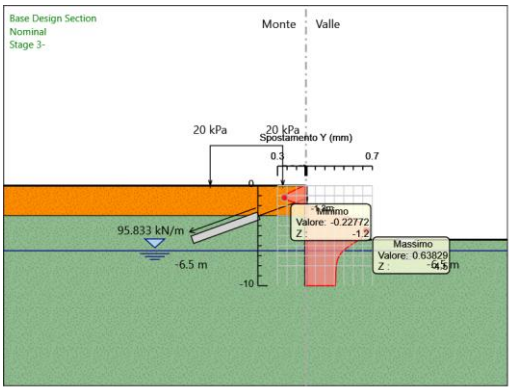
Grafici Spostamento in tabella











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
Stage 1	-5.4	0	0
Stage 1	-5.5	0	0

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
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	-0.2	0	-0.01
Stage 2	-0.3	0	-0.01
Stage 2	-0.4	0	-0.02
Stage 2	-0.5	-0.01	-0.02
Stage 2	-0.6	-0.01	-0.02
Stage 2	-0.7	-0.01	-0.02
Stage 2	-0.8	-0.01	-0.01
Stage 2	-0.9	-0.01	-0.01
Stage 2	-1	-0.01	-0.01
Stage 2	-1.1	-0.01	0
Stage 2	-1.2	-0.01	0
Stage 2	-1.3	-0.01	0
Stage 2	-1.4	-0.01	0
Stage 2	-1.5	-0.01	0
Stage 2	-1.6	-0.01	0
Stage 2	-1.7	-0.01	0
Stage 2	-1.8	-0.01	0
Stage 2	-1.9	-0.01	0
Stage 2	-2	-0.01	0
Stage 2	-2.1	-0.01	0
Stage 2	-2.2	-0.01	0
Stage 2	-2.3	-0.01	0
Stage 2	-2.4	-0.01	-0.01
Stage 2	-2.5	-0.01	-0.01
Stage 2	-2.6	-0.01	-0.01
Stage 2	-2.7	-0.01	-0.01
Stage 2	-2.8	-0.01	0
Stage 2	-2.9	-0.01	0
Stage 2	-3	-0.01	0.01
Stage 2	-3.1	-0.01	0.02
Stage 2	-3.2	-0.01	0.02
Stage 2	-3.3	-0.01	0.03
Stage 2	-3.4	0	0.03
Stage 2	-3.5	0	0.03
Stage 2	-3.6	0	0.03
Stage 2	-3.7	0.01	0.02
Stage 2	-3.8	0.01	0.02
Stage 2	-3.9	0.01	0.02
Stage 2	-4	0.01	0.01
Stage 2	-4.1	0.01	0.01
Stage 2	-4.2	0.01	0.01
Stage 2	-4.3	0.01	0
Stage 2	-4.4	0.01	0
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
Stage 2	-5.8	0.01	-0.01

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	-5.9	0.01	-0.01
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	0
Stage A	-0.2	0	0
Stage A	-0.3	0	0
Stage A	-0.4	0	0
Stage A	-0.5	0	0
Stage A	-0.6	0	0
Stage A	-0.7	0	0
Stage A	-0.8	0	0
Stage A	-0.9	0	0
Stage A	-1	0	0
Stage A	-1.1	0	0
Stage A	-1.2	0	0
Stage A	-1.3	-0.01	-0.08
Stage A	-1.4	-0.04	-0.34
Stage A	-1.5	-0.12	-0.78
Stage A	-1.6	-0.21	-0.88
Stage A	-1.7	-0.28	-0.7
Stage A	-1.8	-0.33	-0.5
Stage A	-1.9	-0.36	-0.31
Stage A	-2	-0.37	-0.15
Stage A	-2.1	-0.38	-0.01
Stage A	-2.2	-0.37	0.1
Stage A	-2.3	-0.35	0.18
Stage A	-2.4	-0.32	0.24
Stage A	-2.5	-0.3	0.27
Stage A	-2.6	-0.27	0.29
Stage A	-2.7	-0.24	0.3
Stage A	-2.8	-0.21	0.3
Stage A	-2.9	-0.18	0.29
Stage A	-3	-0.15	0.28
Stage A	-3.1	-0.12	0.26
Stage A	-3.2	-0.1	0.24
Stage A	-3.3	-0.08	0.22
Stage A	-3.4	-0.06	0.2
Stage A	-3.5	-0.04	0.17
Stage A	-3.6	-0.03	0.15
Stage A	-3.7	-0.02	0.12
Stage A	-3.8	-0.01	0.09
Stage A	-3.9	0	0.08
Stage A	-4	0.01	0.05
Stage A	-4.1	0.01	0.04
Stage A	-4.2	0.01	0.03
Stage A	-4.3	0.02	0.02
Stage A	-4.4	0.02	0.01
Stage A	-4.5	0.02	0
Stage A	-4.6	0.02	0
Stage A	-4.7	0.02	-0.01
Stage A	-4.8	0.01	-0.01
Stage A	-4.9	0.01	-0.01
Stage A	-5	0.01	-0.01
Stage A	-5.1	0.01	-0.01
Stage A	-5.2	0.01	-0.01
Stage A	-5.3	0.01	-0.01
Stage A	-5.4	0.01	-0.01
Stage A	-5.5	0.01	-0.01
Stage A	-5.6	0	-0.01

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage A	-5.7	0	-0.01
Stage A	-5.8	0	-0.01
Stage A	-5.9	0	-0.01
Stage A	-6	0	0
Stage A	-6.1	0	0
Stage A	-6.2	0	0
Stage A	-6.3	0	0
Stage A	-6.4	0	0
Stage A	-6.5	0	0
Stage A	-6.6	0	0
Stage A	-6.7	0	0
Stage A	-6.8	0	0
Stage A	-6.9	0	0
Stage A	-7	0	0
Stage A	-7.1	0	0
Stage A	-7.2	0	0
Stage A	-7.3	0	0
Stage A	-7.4	0	0
Stage A	-7.5	0	0
Stage A	-7.6	0	0
Stage A	-7.7	0	0
Stage A	-7.8	0	0
Stage A	-7.9	0	0
Stage A	-8	0	0
Stage A	-8.1	0	0
Stage A	-8.2	0	0
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	-0.24
Stage B	-0.1	-0.02	-0.24
Stage B	-0.2	-0.12	-0.93
Stage B	-0.3	-0.33	-2.1
Stage B	-0.4	-0.7	-3.77
Stage B	-0.5	-1.3	-5.93
Stage B	-0.6	-2.16	-8.58
Stage B	-0.7	-3.33	-11.7
Stage B	-0.8	-4.85	-15.28
Stage B	-0.9	-6.78	-19.29
Stage B	-1	-9.15	-23.7
Stage B	-1.1	-12	-28.44
Stage B	-1.2	-15.34	-33.46
Stage B	-1.3	-19.21	-38.71
Stage B	-1.4	-14.62	45.91
Stage B	-1.5	-10.58	40.46
Stage B	-1.6	-7.07	35.08
Stage B	-1.7	-4.08	29.85
Stage B	-1.8	-1.6	24.84
Stage B	-1.9	0.41	20.08
Stage B	-2	1.97	15.58
Stage B	-2.1	3.1	11.33
Stage B	-2.2	3.87	7.68
Stage B	-2.3	4.33	4.62
Stage B	-2.4	4.54	2.11
Stage B	-2.5	4.55	0.09
Stage B	-2.6	4.4	-1.5
Stage B	-2.7	4.13	-2.74
Stage B	-2.8	3.77	-3.57
Stage B	-2.9	3.36	-4.05
Stage B	-3	2.94	-4.26
Stage B	-3.1	2.51	-4.25
Stage B	-3.2	2.1	-4.1
Stage B	-3.3	1.72	-3.83
Stage B	-3.4	1.37	-3.49
Stage B	-3.5	1.06	-3.11
Stage B	-3.6	0.79	-2.71
Stage B	-3.7	0.56	-2.32
Stage B	-3.8	0.37	-1.94
Stage B	-3.9	0.21	-1.58
Stage B	-4	0.08	-1.26
Stage B	-4.1	-0.02	-0.97
Stage B	-4.2	-0.09	-0.72
Stage B	-4.3	-0.14	-0.5
Stage B	-4.4	-0.17	-0.32
Stage B	-4.5	-0.19	-0.18
Stage B	-4.6	-0.19	-0.07
Stage B	-4.7	-0.19	0.02
Stage B	-4.8	-0.18	0.09
Stage B	-4.9	-0.17	0.14
Stage B	-5	-0.15	0.16
Stage B	-5.1	-0.14	0.18
Stage B	-5.2	-0.12	0.19
Stage B	-5.3	-0.1	0.18
Stage B	-5.4	-0.08	0.17
Stage B	-5.5	-0.07	0.16
Stage B	-5.6	-0.05	0.14
Stage B	-5.7	-0.04	0.13
Stage B	-5.8	-0.03	0.11

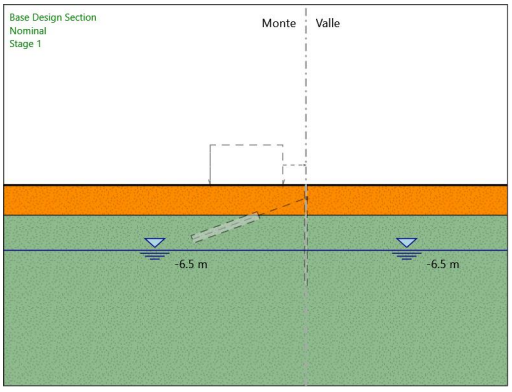
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage B	-5.9	-0.02	0.09
Stage B	-6	-0.01	0.08
Stage B	-6.1	-0.01	0.06
Stage B	-6.2	0	0.05
Stage B	-6.3	0	0.04
Stage B	-6.4	0.01	0.03
Stage B	-6.5	0.01	0.02
Stage B	-6.6	0.01	0.01
Stage B	-6.7	0.01	0.01
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	-0.01
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
Stage B	-8.4	0	0
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

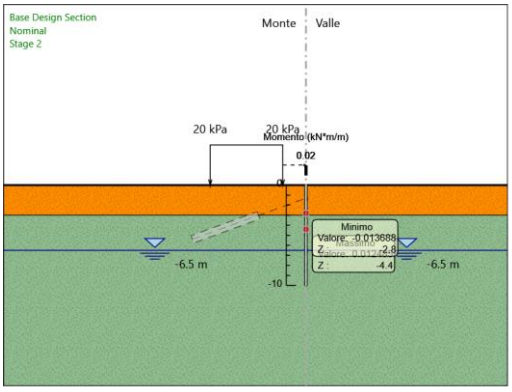
Tabella Risultati Paratia Nominal - Stage: Stage 3-

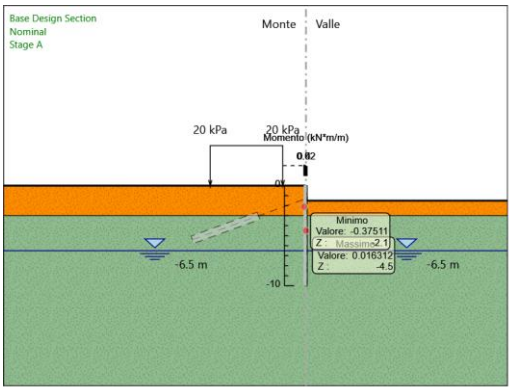
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-	0	0	-0.44
Stage 3-	-0.1	-0.04	-0.44
Stage 3-	-0.2	-0.19	-1.49
Stage 3-	-0.3	-0.49	-3
Stage 3-	-0.4	-0.99	-4.97
Stage 3-	-0.5	-1.73	-7.4
Stage 3-	-0.6	-2.76	-10.28
Stage 3-	-0.7	-4.12	-13.61
Stage 3-	-0.8	-5.85	-17.36
Stage 3-	-0.9	-8	-21.5
Stage 3-	-1	-10.61	-26.01
Stage 3-	-1.1	-13.69	-30.81
Stage 3-	-1.2	-17.27	-35.84
Stage 3-	-1.3	-21.37	-41.03
Stage 3-	-1.4	-16.99	43.79
Stage 3-	-1.5	-13.14	38.58
Stage 3-	-1.6	-9.78	33.54
Stage 3-	-1.7	-6.91	28.77
Stage 3-	-1.8	-4.47	24.33
Stage 3-	-1.9	-2.44	20.28
Stage 3-	-2	-0.78	16.62
Stage 3-	-2.1	0.55	13.37
Stage 3-	-2.2	1.61	10.53
Stage 3-	-2.3	2.41	8.07
Stage 3-	-2.4	3.01	5.99
Stage 3-	-2.5	3.44	4.24
Stage 3-	-2.6	3.72	2.81
Stage 3-	-2.7	3.88	1.67
Stage 3-	-2.8	3.97	0.88
Stage 3-	-2.9	4.01	0.39
Stage 3-	-3	4.03	0.18
Stage 3-	-3.1	4.05	0.18
Stage 3-	-3.2	4.07	0.18
Stage 3-	-3.3	4.08	0.18
Stage 3-	-3.4	4.1	0.18
Stage 3-	-3.5	4.12	0.18
Stage 3-	-3.6	4.14	0.18
Stage 3-	-3.7	4.15	0.18
Stage 3-	-3.8	4.17	0.18
Stage 3-	-3.9	4.19	0.18
Stage 3-	-4	4.21	0.18
Stage 3-	-4.1	4.22	0.18
Stage 3-	-4.2	4.24	0.18
Stage 3-	-4.3	4.26	0.18
Stage 3-	-4.4	4.28	0.18
Stage 3-	-4.5	4.3	0.18
Stage 3-	-4.6	4.31	0.1
Stage 3-	-4.7	4.29	-0.12
Stage 3-	-4.8	4.24	-0.49
Stage 3-	-4.9	4.14	-1.04
Stage 3-	-5	3.96	-1.78
Stage 3-	-5.1	3.69	-2.72
Stage 3-	-5.2	3.3	-3.87
Stage 3-	-5.3	2.78	-5.24
Stage 3-	-5.4	2.09	-6.85
Stage 3-	-5.5	1.22	-8.71
Stage 3-	-5.6	0.46	-7.68
Stage 3-	-5.7	-0.2	-6.57
Stage 3-	-5.8	-0.75	-5.49

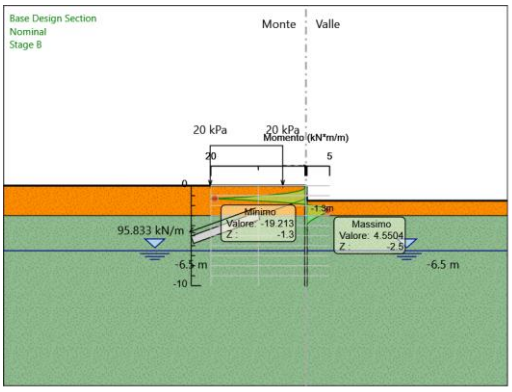
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-	-5.9	-1.2	-4.46
Stage 3-	-6	-1.55	-3.5
Stage 3-	-6.1	-1.81	-2.63
Stage 3-	-6.2	-1.99	-1.85
Stage 3-	-6.3	-2.11	-1.17
Stage 3-	-6.4	-2.17	-0.57
Stage 3-	-6.5	-2.17	-0.06
Stage 3-	-6.6	-2.14	0.38
Stage 3-	-6.7	-2.06	0.72
Stage 3-	-6.8	-1.97	0.98
Stage 3-	-6.9	-1.85	1.18
Stage 3-	-7	-1.72	1.31
Stage 3-	-7.1	-1.58	1.39
Stage 3-	-7.2	-1.43	1.43
Stage 3-	-7.3	-1.29	1.43
Stage 3-	-7.4	-1.15	1.4
Stage 3-	-7.5	-1.02	1.35
Stage 3-	-7.6	-0.89	1.28
Stage 3-	-7.7	-0.77	1.2
Stage 3-	-7.8	-0.66	1.11
Stage 3-	-7.9	-0.55	1.02
Stage 3-	-8	-0.46	0.92
Stage 3-	-8.1	-0.38	0.82
Stage 3-	-8.2	-0.31	0.73
Stage 3-	-8.3	-0.24	0.64
Stage 3-	-8.4	-0.19	0.55
Stage 3-	-8.5	-0.14	0.47
Stage 3-	-8.6	-0.1	0.39
Stage 3-	-8.7	-0.07	0.32
Stage 3-	-8.8	-0.05	0.26
Stage 3-	-8.9	-0.03	0.2
Stage 3-	-9	-0.01	0.16
Stage 3-	-9.1	0	0.11
Stage 3-	-9.2	0.01	0.07
Stage 3-	-9.3	0.01	0.04
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









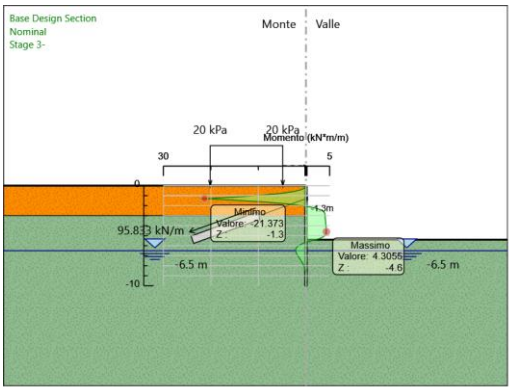
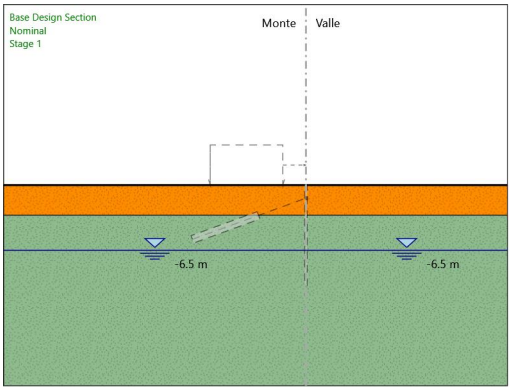
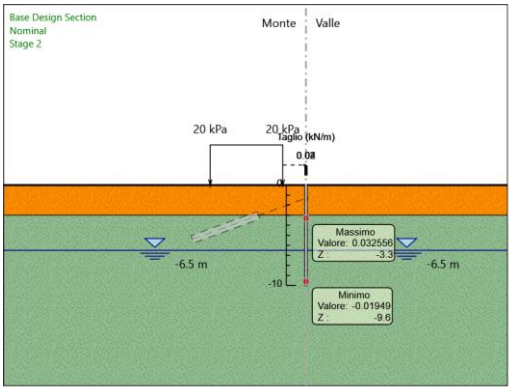
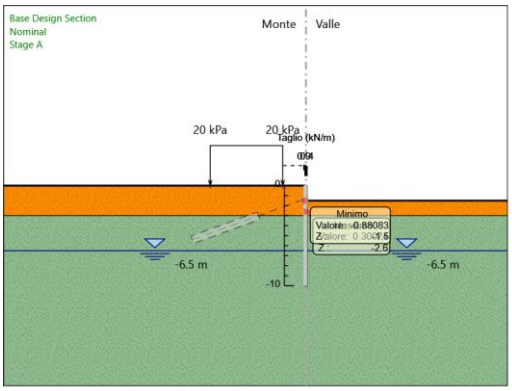
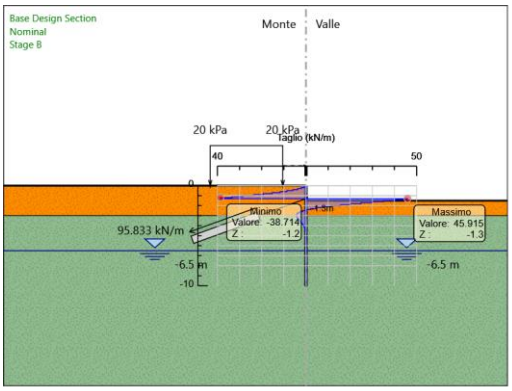


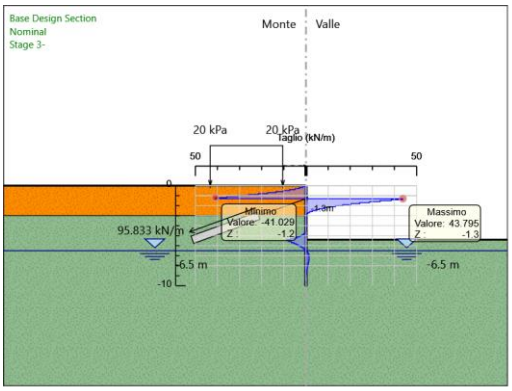
Grafico Taglio Nominal











Inviluppi Risultati Paratia Nominal

Risultati Elementi strutturali

Design Assumption: Nominal	Sollecitazione Tieback_New_New_New_New
Stage	**Forza (kN/m)**
Stage B	95.83
Stage 3-	95.88165

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	0.217	4.599	45	0	0	0	0
Stage 1	-0.1	2.4	1.2	V-C	0.217	4.599	45	0	0	0	1.2
Stage 1	-0.2	4.8	2.4	V-C	0.217	4.599	45	0	0	0	2.4
Stage 1	-0.3	7.2	3.6	V-C	0.217	4.599	45	0	0	0	3.6
Stage 1	-0.4	9.6	4.8	V-C	0.217	4.599	45	0	0	0	4.8
Stage 1	-0.5	12	6	V-C	0.217	4.599	45	0	0	0	6
Stage 1	-0.6	14.4	7.2	V-C	0.217	4.599	45	0	0	0	7.2
Stage 1	-0.7	16.8	8.4	V-C	0.217	4.599	45	0	0	0	8.4
Stage 1	-0.8	19.2	9.6	V-C	0.217	4.599	45	0	0	0	9.6
Stage 1	-0.9	21.6	10.8	V-C	0.217	4.599	45	0	0	0	10.8
Stage 1	-1	24	12	V-C	0.217	4.599	45	0	0	0	12
Stage 1	-1.1	26.4	13.2	V-C	0.217	4.599	45	0	0	0	13.2
Stage 1	-1.2	28.8	14.4	V-C	0.217	4.599	45	0	0	0	14.4
Stage 1	-1.3	31.2	15.6	V-C	0.217	4.599	45	0	0	0	15.6
Stage 1	-1.4	33.6	16.8	V-C	0.217	4.599	45	0	0	0	16.8
Stage 1	-1.5	36	18	V-C	0.217	4.599	45	0	0	0	18
Stage 1	-1.6	38.4	19.2	V-C	0.217	4.599	45	0	0	0	19.2
Stage 1	-1.7	40.8	20.4	V-C	0.217	4.599	45	0	0	0	20.4
Stage 1	-1.8	43.2	21.6	V-C	0.217	4.599	45	0	0	0	21.6
Stage 1	-1.9	45.6	22.8	V-C	0.217	4.599	45	0	0	0	22.8
Stage 1	-2	48	24	V-C	0.217	4.599	45	0	0	0	24
Stage 1	-2.1	50.4	25.2	V-C	0.217	4.599	45	0	0	0	25.2
Stage 1	-2.2	52.8	26.4	V-C	0.217	4.599	45	0	0	0	26.4
Stage 1	-2.3	55.2	27.6	V-C	0.217	4.599	45	0	0	0	27.6
Stage 1	-2.4	57.6	28.8	V-C	0.217	4.599	45	0	0	0	28.8
Stage 1	-2.5	60	30	V-C	0.217	4.599	45	0	0	0	30
Stage 1	-2.6	62.4	31.2	V-C	0.217	4.599	45	0	0	0	31.2
Stage 1	-2.7	64.8	32.4	V-C	0.217	4.599	45	0	0	0	32.4
Stage 1	-2.8	67.2	33.6	V-C	0.217	4.599	45	0	0	0	33.6
Stage 1	-2.9	69.6	34.8	V-C	0.217	4.599	45	0	0	0	34.8
Stage 1	-3	72	36	V-C	0.217	4.599	45	0	0	0	36
Stage 1	-3.1	74.45	37.225	V-C	0.217	4.599	40	0	0	0	37.225
Stage 1	-3.2	76.9	38.45	V-C	0.217	4.599	40	0	0	0	38.45
Stage 1	-3.3	79.35	39.675	V-C	0.217	4.599	40	0	0	0	39.675
Stage 1	-3.4	81.8	40.9	V-C	0.217	4.599	40	0	0	0	40.9
Stage 1	-3.5	84.25	42.125	V-C	0.217	4.599	40	0	0	0	42.125
Stage 1	-3.6	86.7	43.35	V-C	0.217	4.599	40	0	0	0	43.35
Stage 1	-3.7	89.15	44.575	V-C	0.217	4.599	40	0	0	0	44.575
Stage 1	-3.8	91.6	45.8	V-C	0.217	4.599	40	0	0	0	45.8
Stage 1	-3.9	94.05	47.025	V-C	0.217	4.599	40	0	0	0	47.025
Stage 1	-4	96.5	48.25	V-C	0.217	4.599	40	0	0	0	48.25
Stage 1	-4.1	98.95	49.475	V-C	0.217	4.599	40	0	0	0	49.475
Stage 1	-4.2	101.4	50.7	V-C	0.217	4.599	40	0	0	0	50.7
Stage 1	-4.3	103.85	51.925	V-C	0.217	4.599	40	0	0	0	51.925
Stage 1	-4.4	106.3	53.15	V-C	0.217	4.599	40	0	0	0	53.15
Stage 1	-4.5	108.75	54.375	V-C	0.217	4.599	40	0	0	0	54.375
Stage 1	-4.6	111.2	55.6	V-C	0.217	4.599	40	0	0	0	55.6
Stage 1	-4.7	113.65	56.825	V-C	0.217	4.599	40	0	0	0	56.825
Stage 1	-4.8	116.1	58.05	V-C	0.217	4.599	40	0	0	0	58.05
Stage 1	-4.9	118.55	59.275	V-C	0.217	4.599	40	0	0	0	59.275
Stage 1	-5	121	60.5	V-C	0.217	4.599	40	0	0	0	60.5
Stage 1	-5.1	123.45	61.725	V-C	0.217	4.599	40	0	0	0	61.725
Stage 1	-5.2	125.9	62.95	V-C	0.217	4.599	40	0	0	0	62.95
Stage 1	-5.3	128.35	64.175	V-C	0.217	4.599	40	0	0	0	64.175
Stage 1	-5.4	130.8	65.4	V-C	0.217	4.599	40	0	0	0	65.4
Stage 1	-5.5	133.25	66.625	V-C	0.217	4.599	40	0	0	0	66.625

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	-5.6	135.7	67.85	V-C	0.217	4.599	40	0	0	0	67.85
Stage 1	-5.7	138.15	69.075	V-C	0.217	4.599	40	0	0	0	69.075
Stage 1	-5.8	140.6	70.3	V-C	0.217	4.599	40	0	0	0	70.3
Stage 1	-5.9	143.05	71.525	V-C	0.217	4.599	40	0	0	0	71.525
Stage 1	-6	145.5	72.75	V-C	0.217	4.599	40	0	0	0	72.75
Stage 1	-6.1	147.95	73.975	V-C	0.217	4.599	40	0	0	0	73.975
Stage 1	-6.2	150.4	75.2	V-C	0.217	4.599	40	0	0	0	75.2
Stage 1	-6.3	152.85	76.425	V-C	0.217	4.599	40	0	0	0	76.425
Stage 1	-6.4	155.3	77.65	V-C	0.217	4.599	40	0	0	0	77.65
Stage 1	-6.5	157.75	78.875	V-C	0.217	4.599	40	0	0	0	78.875
Stage 1	-6.6	159.2	79.6	V-C	0.217	4.599	40	1	0	0	80.6
Stage 1	-6.7	160.65	80.325	V-C	0.217	4.599	40	2	0	0	82.325
Stage 1	-6.8	162.1	81.05	V-C	0.217	4.599	40	3	0	0	84.05
Stage 1	-6.9	163.55	81.775	V-C	0.217	4.599	40	4	0	0	85.775
Stage 1	-7	165	82.5	V-C	0.217	4.599	40	5	0	0	87.5
Stage 1	-7.1	166.45	83.225	V-C	0.217	4.599	40	6	0	0	89.225
Stage 1	-7.2	167.9	83.95	V-C	0.217	4.599	40	7	0	0	90.95
Stage 1	-7.3	169.35	84.675	V-C	0.217	4.599	40	8	0	0	92.675
Stage 1	-7.4	170.8	85.4	V-C	0.217	4.599	40	9	0	0	94.4
Stage 1	-7.5	172.25	86.125	V-C	0.217	4.599	40	10	0	0	96.125
Stage 1	-7.6	173.7	86.85	V-C	0.217	4.599	40	11	0	0	97.85
Stage 1	-7.7	175.15	87.575	V-C	0.217	4.599	40	12	0	0	99.575
Stage 1	-7.8	176.6	88.3	V-C	0.217	4.599	40	13	0	0	101.3
Stage 1	-7.9	178.05	89.025	V-C	0.217	4.599	40	14	0	0	103.025
Stage 1	-8	179.5	89.75	V-C	0.217	4.599	40	15	0	0	104.75
Stage 1	-8.1	180.95	90.475	V-C	0.217	4.599	40	16	0	0	106.475
Stage 1	-8.2	182.4	91.2	V-C	0.217	4.599	40	17	0	0	108.2
Stage 1	-8.3	183.85	91.925	V-C	0.217	4.599	40	18	0	0	109.925
Stage 1	-8.4	185.3	92.65	V-C	0.217	4.599	40	19	0	0	111.65
Stage 1	-8.5	186.75	93.375	V-C	0.217	4.599	40	20	0	0	113.375
Stage 1	-8.6	188.2	94.1	V-C	0.217	4.599	40	21	0	0	115.1
Stage 1	-8.7	189.65	94.825	V-C	0.217	4.599	40	22	0	0	116.825
Stage 1	-8.8	191.1	95.55	V-C	0.217	4.599	40	23	0	0	118.55
Stage 1	-8.9	192.55	96.275	V-C	0.217	4.599	40	24	0	0	120.275
Stage 1	-9	194	97	V-C	0.217	4.599	40	25	0	0	122
Stage 1	-9.1	195.45	97.725	V-C	0.217	4.599	40	26	0	0	123.725
Stage 1	-9.2	196.9	98.45	V-C	0.217	4.599	40	27	0	0	125.45
Stage 1	-9.3	198.35	99.175	V-C	0.217	4.599	40	28	0	0	127.175
Stage 1	-9.4	199.8	99.9	V-C	0.217	4.599	40	29	0	0	128.9
Stage 1	-9.5	201.25	100.625	V-C	0.217	4.599	40	30	0	0	130.625
Stage 1	-9.6	202.7	101.35	V-C	0.217	4.599	40	31	0	0	132.35
Stage 1	-9.7	204.15	102.075	V-C	0.217	4.599	40	32	0	0	134.075
Stage 1	-9.8	205.6	102.8	V-C	0.217	4.599	40	33	0	0	135.8
Stage 1	-9.9	207.05	103.525	V-C	0.217	4.599	40	34	0	0	137.525
Stage 1	-10	208.5	104.25	V-C	0.217	4.599	40	35	0	0	139.25

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	0.217		4.599	45	0	0	0	0
Stage 1	-0.1	2.4	1.2	V-C	0.217		4.599	45	0	0	0	1.2
Stage 1	-0.2	4.8	2.4	V-C	0.217		4.599	45	0	0	0	2.4
Stage 1	-0.3	7.2	3.6	V-C	0.217		4.599	45	0	0	0	3.6
Stage 1	-0.4	9.6	4.8	V-C	0.217		4.599	45	0	0	0	4.8
Stage 1	-0.5	12	6	V-C	0.217		4.599	45	0	0	0	6
Stage 1	-0.6	14.4	7.2	V-C	0.217		4.599	45	0	0	0	7.2
Stage 1	-0.7	16.8	8.4	V-C	0.217		4.599	45	0	0	0	8.4
Stage 1	-0.8	19.2	9.6	V-C	0.217		4.599	45	0	0	0	9.6
Stage 1	-0.9	21.6	10.8	V-C	0.217		4.599	45	0	0	0	10.8
Stage 1	-1	24	12	V-C	0.217		4.599	45	0	0	0	12
Stage 1	-1.1	26.4	13.2	V-C	0.217		4.599	45	0	0	0	13.2
Stage 1	-1.2	28.8	14.4	V-C	0.217		4.599	45	0	0	0	14.4
Stage 1	-1.3	31.2	15.6	V-C	0.217		4.599	45	0	0	0	15.6
Stage 1	-1.4	33.6	16.8	V-C	0.217		4.599	45	0	0	0	16.8
Stage 1	-1.5	36	18	V-C	0.217		4.599	45	0	0	0	18
Stage 1	-1.6	38.4	19.2	V-C	0.217		4.599	45	0	0	0	19.2
Stage 1	-1.7	40.8	20.4	V-C	0.217		4.599	45	0	0	0	20.4
Stage 1	-1.8	43.2	21.6	V-C	0.217		4.599	45	0	0	0	21.6
Stage 1	-1.9	45.6	22.8	V-C	0.217		4.599	45	0	0	0	22.8
Stage 1	-2	48	24	V-C	0.217		4.599	45	0	0	0	24
Stage 1	-2.1	50.4	25.2	V-C	0.217		4.599	45	0	0	0	25.2
Stage 1	-2.2	52.8	26.4	V-C	0.217		4.599	45	0	0	0	26.4
Stage 1	-2.3	55.2	27.6	V-C	0.217		4.599	45	0	0	0	27.6
Stage 1	-2.4	57.6	28.8	V-C	0.217		4.599	45	0	0	0	28.8
Stage 1	-2.5	60	30	V-C	0.217		4.599	45	0	0	0	30
Stage 1	-2.6	62.4	31.2	V-C	0.217		4.599	45	0	0	0	31.2
Stage 1	-2.7	64.8	32.4	V-C	0.217		4.599	45	0	0	0	32.4
Stage 1	-2.8	67.2	33.6	V-C	0.217		4.599	45	0	0	0	33.6
Stage 1	-2.9	69.6	34.8	V-C	0.217		4.599	45	0	0	0	34.8
Stage 1	-3	72	36	V-C	0.217		4.599	45	0	0	0	36
Stage 1	-3.1	74.45	37.225	V-C	0.217		4.599	40	0	0	0	37.225
Stage 1	-3.2	76.9	38.45	V-C	0.217		4.599	40	0	0	0	38.45
Stage 1	-3.3	79.35	39.675	V-C	0.217		4.599	40	0	0	0	39.675
Stage 1	-3.4	81.8	40.9	V-C	0.217		4.599	40	0	0	0	40.9
Stage 1	-3.5	84.25	42.125	V-C	0.217		4.599	40	0	0	0	42.125
Stage 1	-3.6	86.7	43.35	V-C	0.217		4.599	40	0	0	0	43.35
Stage 1	-3.7	89.15	44.575	V-C	0.217		4.599	40	0	0	0	44.575
Stage 1	-3.8	91.6	45.8	V-C	0.217		4.599	40	0	0	0	45.8
Stage 1	-3.9	94.05	47.025	V-C	0.217		4.599	40	0	0	0	47.025
Stage 1	-4	96.5	48.25	V-C	0.217		4.599	40	0	0	0	48.25
Stage 1	-4.1	98.95	49.475	V-C	0.217		4.599	40	0	0	0	49.475
Stage 1	-4.2	101.4	50.7	V-C	0.217		4.599	40	0	0	0	50.7
Stage 1	-4.3	103.85	51.925	V-C	0.217		4.599	40	0	0	0	51.925
Stage 1	-4.4	106.3	53.15	V-C	0.217		4.599	40	0	0	0	53.15
Stage 1	-4.5	108.75	54.375	V-C	0.217		4.599	40	0	0	0	54.375
Stage 1	-4.6	111.2	55.6	V-C	0.217		4.599	40	0	0	0	55.6
Stage 1	-4.7	113.65	56.825	V-C	0.217		4.599	40	0	0	0	56.825
Stage 1	-4.8	116.1	58.05	V-C	0.217		4.599	40	0	0	0	58.05
Stage 1	-4.9	118.55	59.275	V-C	0.217		4.599	40	0	0	0	59.275
Stage 1	-5	121	60.5	V-C	0.217		4.599	40	0	0	0	60.5
Stage 1	-5.1	123.45	61.725	V-C	0.217		4.599	40	0	0	0	61.725
Stage 1	-5.2	125.9	62.95	V-C	0.217		4.599	40	0	0	0	62.95
Stage 1	-5.3	128.35	64.175	V-C	0.217		4.599	40	0	0	0	64.175
Stage 1	-5.4	130.8	65.4	V-C	0.217		4.599	40	0	0	0	65.4
Stage 1	-5.5	133.25	66.625	V-C	0.217		4.599	40	0	0	0	66.625
Stage 1	-5.6	135.7	67.85	V-C	0.217		4.599	40	0	0	0	67.85
Stage 1	-5.7	138.15	69.075	V-C	0.217		4.599	40	0	0	0	69.075
Stage 1	-5.8	140.6	70.3	V-C	0.217		4.599	40	0	0	0	70.3
Stage 1	-5.9	143.05	71.525	V-C	0.217		4.599	40	0	0	0	71.525
Stage 1	-6	145.5	72.75	V-C	0.217		4.599	40	0	0	0	72.75
Stage 1	-6.1	147.95	73.975	V-C	0.217		4.599	40	0	0	0	73.975

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	-6.2	150.4	75.2	V-C	0.217	4.599	40	0	0	0	75.2	
Stage 1	-6.3	152.85	76.425	V-C	0.217	4.599	40	0	0	0	76.425	
Stage 1	-6.4	155.3	77.65	V-C	0.217	4.599	40	0	0	0	77.65	
Stage 1	-6.5	157.75	78.875	V-C	0.217	4.599	40	0	0	0	78.875	
Stage 1	-6.6	159.2	79.6	V-C	0.217	4.599	40	1	0	0	80.6	
Stage 1	-6.7	160.65	80.325	V-C	0.217	4.599	40	2	0	0	82.325	
Stage 1	-6.8	162.1	81.05	V-C	0.217	4.599	40	3	0	0	84.05	
Stage 1	-6.9	163.55	81.775	V-C	0.217	4.599	40	4	0	0	85.775	
Stage 1	-7	165	82.5	V-C	0.217	4.599	40	5	0	0	87.5	
Stage 1	-7.1	166.45	83.225	V-C	0.217	4.599	40	6	0	0	89.225	
Stage 1	-7.2	167.9	83.95	V-C	0.217	4.599	40	7	0	0	90.95	
Stage 1	-7.3	169.35	84.675	V-C	0.217	4.599	40	8	0	0	92.675	
Stage 1	-7.4	170.8	85.4	V-C	0.217	4.599	40	9	0	0	94.4	
Stage 1	-7.5	172.25	86.125	V-C	0.217	4.599	40	10	0	0	96.125	
Stage 1	-7.6	173.7	86.85	V-C	0.217	4.599	40	11	0	0	97.85	
Stage 1	-7.7	175.15	87.575	V-C	0.217	4.599	40	12	0	0	99.575	
Stage 1	-7.8	176.6	88.3	V-C	0.217	4.599	40	13	0	0	101.3	
Stage 1	-7.9	178.05	89.025	V-C	0.217	4.599	40	14	0	0	103.025	
Stage 1	-8	179.5	89.75	V-C	0.217	4.599	40	15	0	0	104.75	
Stage 1	-8.1	180.95	90.475	V-C	0.217	4.599	40	16	0	0	106.475	
Stage 1	-8.2	182.4	91.2	V-C	0.217	4.599	40	17	0	0	108.2	
Stage 1	-8.3	183.85	91.925	V-C	0.217	4.599	40	18	0	0	109.925	
Stage 1	-8.4	185.3	92.65	V-C	0.217	4.599	40	19	0	0	111.65	
Stage 1	-8.5	186.75	93.375	V-C	0.217	4.599	40	20	0	0	113.375	
Stage 1	-8.6	188.2	94.1	V-C	0.217	4.599	40	21	0	0	115.1	
Stage 1	-8.7	189.65	94.825	V-C	0.217	4.599	40	22	0	0	116.825	
Stage 1	-8.8	191.1	95.55	V-C	0.217	4.599	40	23	0	0	118.55	
Stage 1	-8.9	192.55	96.275	V-C	0.217	4.599	40	24	0	0	120.275	
Stage 1	-9	194	97	V-C	0.217	4.599	40	25	0	0	122	
Stage 1	-9.1	195.45	97.725	V-C	0.217	4.599	40	26	0	0	123.725	
Stage 1	-9.2	196.9	98.45	V-C	0.217	4.599	40	27	0	0	125.45	
Stage 1	-9.3	198.35	99.175	V-C	0.217	4.599	40	28	0	0	127.175	
Stage 1	-9.4	199.8	99.9	V-C	0.217	4.599	40	29	0	0	128.9	
Stage 1	-9.5	201.25	100.625	V-C	0.217	4.599	40	30	0	0	130.625	
Stage 1	-9.6	202.7	101.35	V-C	0.217	4.599	40	31	0	0	132.35	
Stage 1	-9.7	204.15	102.075	V-C	0.217	4.599	40	32	0	0	134.075	
Stage 1	-9.8	205.6	102.8	V-C	0.217	4.599	40	33	0	0	135.8	
Stage 1	-9.9	207.05	103.525	V-C	0.217	4.599	40	34	0	0	137.525	
Stage 1	-10	208.5	104.25	V-C	0.217	4.599	40	35	0	0	139.25	

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	0.046	V-C	0.217	4.599	45	0	0	0	0.046
Stage 2	-0.1	2.4	1.236	V-C	0.217	4.599	45	0	0	0	1.236
Stage 2	-0.2	4.803	2.426	V-C	0.217	4.599	45	0	0	0	2.426
Stage 2	-0.3	7.209	3.618	V-C	0.217	4.599	45	0	0	0	3.618
Stage 2	-0.4	9.621	4.812	V-C	0.217	4.599	45	0	0	0	4.812
Stage 2	-0.5	12.041	6.004	UL-RL	0.217	4.599	45	0	0	0	6.004
Stage 2	-0.6	14.469	7.198	UL-RL	0.217	4.599	45	0	0	0	7.198
Stage 2	-0.7	16.906	8.395	UL-RL	0.217	4.599	45	0	0	0	8.395
Stage 2	-0.8	19.353	9.596	UL-RL	0.217	4.599	45	0	0	0	9.596
Stage 2	-0.9	21.811	10.8	UL-RL	0.217	4.599	45	0	0	0	10.8
Stage 2	-1	24.278	12.006	UL-RL	0.217	4.599	45	0	0	0	12.006
Stage 2	-1.1	26.756	13.216	UL-RL	0.217	4.599	45	0	0	0	13.216
Stage 2	-1.2	29.242	14.428	UL-RL	0.217	4.599	45	0	0	0	14.428
Stage 2	-1.3	31.737	15.642	UL-RL	0.217	4.599	45	0	0	0	15.642
Stage 2	-1.4	34.24	16.858	UL-RL	0.217	4.599	45	0	0	0	16.858
Stage 2	-1.5	36.75	18.074	UL-RL	0.217	4.599	45	0	0	0	18.074
Stage 2	-1.6	39.265	19.292	UL-RL	0.217	4.599	45	0	0	0	19.292
Stage 2	-1.7	41.786	20.509	UL-RL	0.217	4.599	45	0	0	0	20.509
Stage 2	-1.8	44.31	21.727	UL-RL	0.217	4.599	45	0	0	0	21.727
Stage 2	-1.9	46.837	22.944	UL-RL	0.217	4.599	45	0	0	0	22.944
Stage 2	-2	49.367	24.161	UL-RL	0.217	4.599	45	0	0	0	24.161
Stage 2	-2.1	51.898	25.376	UL-RL	0.217	4.599	45	0	0	0	25.376
Stage 2	-2.2	54.429	26.59	UL-RL	0.217	4.599	45	0	0	0	26.59
Stage 2	-2.3	56.961	27.801	UL-RL	0.217	4.599	45	0	0	0	27.801
Stage 2	-2.4	59.492	29.011	UL-RL	0.217	4.599	45	0	0	0	29.011
Stage 2	-2.5	62.022	30.218	UL-RL	0.217	4.599	45	0	0	0	30.218
Stage 2	-2.6	64.55	31.422	UL-RL	0.217	4.599	45	0	0	0	31.422
Stage 2	-2.7	67.077	32.623	UL-RL	0.217	4.599	45	0	0	0	32.623
Stage 2	-2.8	69.601	33.82	UL-RL	0.217	4.599	45	0	0	0	33.82
Stage 2	-2.9	72.123	35.014	UL-RL	0.217	4.599	45	0	0	0	35.014
Stage 2	-3	74.643	36.203	UL-RL	0.217	4.599	45	0	0	0	36.203
Stage 2	-3.1	77.4	37.51	UL-RL	0.217	4.599	40	0	0	0	37.51
Stage 2	-3.2	80.024	38.747	UL-RL	0.217	4.599	40	0	0	0	38.747
Stage 2	-3.3	82.641	39.98	UL-RL	0.217	4.599	40	0	0	0	39.98
Stage 2	-3.4	85.46	41.312	UL-RL	0.217	4.599	40	0	0	0	41.312
Stage 2	-3.5	88.058	42.534	UL-RL	0.217	4.599	40	0	0	0	42.534
Stage 2	-3.6	90.848	43.851	UL-RL	0.217	4.599	40	0	0	0	43.851
Stage 2	-3.7	93.429	45.065	UL-RL	0.217	4.599	40	0	0	0	45.065
Stage 2	-3.8	96.005	46.277	UL-RL	0.217	4.599	40	0	0	0	46.277
Stage 2	-3.9	98.76	47.579	UL-RL	0.217	4.599	40	0	0	0	47.579
Stage 2	-4	101.323	48.788	UL-RL	0.217	4.599	40	0	0	0	48.788
Stage 2	-4.1	103.882	49.996	UL-RL	0.217	4.599	40	0	0	0	49.996
Stage 2	-4.2	106.608	51.289	UL-RL	0.217	4.599	40	0	0	0	51.289
Stage 2	-4.3	109.156	52.496	UL-RL	0.217	4.599	40	0	0	0	52.496
Stage 2	-4.4	111.863	53.785	UL-RL	0.217	4.599	40	0	0	0	53.785
Stage 2	-4.5	114.401	54.991	UL-RL	0.217	4.599	40	0	0	0	54.991
Stage 2	-4.6	116.936	56.198	UL-RL	0.217	4.599	40	0	0	0	56.198
Stage 2	-4.7	119.621	57.483	UL-RL	0.217	4.599	40	0	0	0	57.483
Stage 2	-4.8	122.148	58.69	UL-RL	0.217	4.599	40	0	0	0	58.69
Stage 2	-4.9	124.819	59.972	UL-RL	0.217	4.599	40	0	0	0	59.972
Stage 2	-5	127.339	61.18	UL-RL	0.217	4.599	40	0	0	0	61.18
Stage 2	-5.1	129.857	62.39	UL-RL	0.217	4.599	40	0	0	0	62.39
Stage 2	-5.2	132.511	63.669	UL-RL	0.217	4.599	40	0	0	0	63.669
Stage 2	-5.3	135.022	64.879	UL-RL	0.217	4.599	40	0	0	0	64.879
Stage 2	-5.4	137.665	66.156	UL-RL	0.217	4.599	40	0	0	0	66.156
Stage 2	-5.5	140.171	67.366	UL-RL	0.217	4.599	40	0	0	0	67.366
Stage 2	-5.6	142.676	68.577	UL-RL	0.217	4.599	40	0	0	0	68.577
Stage 2	-5.7	145.304	69.852	UL-RL	0.217	4.599	40	0	0	0	69.852
Stage 2	-5.8	147.804	71.063	UL-RL	0.217	4.599	40	0	0	0	71.063

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	-5.9	150.302	72.275	UL-RL	0.217	4.599	40	0	0	0	72.275
Stage 2	-6	152.919	73.547	UL-RL	0.217	4.599	40	0	0	0	73.547
Stage 2	-6.1	155.414	74.759	UL-RL	0.217	4.599	40	0	0	0	74.759
Stage 2	-6.2	158.022	76.029	UL-RL	0.217	4.599	40	0	0	0	76.029
Stage 2	-6.3	160.513	77.241	UL-RL	0.217	4.599	40	0	0	0	77.241
Stage 2	-6.4	163.002	78.453	UL-RL	0.217	4.599	40	0	0	0	78.453
Stage 2	-6.5	165.601	79.721	UL-RL	0.217	4.599	40	0	0	0	79.721
Stage 2	-6.6	167.087	80.433	UL-RL	0.217	4.599	40	1	0	0	81.433
Stage 2	-6.7	168.679	81.199	UL-RL	0.217	4.599	40	2	0	0	83.199
Stage 2	-6.8	170.162	81.911	UL-RL	0.217	4.599	40	3	0	0	84.911
Stage 2	-6.9	171.645	82.624	UL-RL	0.217	4.599	40	4	0	0	86.624
Stage 2	-7	173.229	83.388	UL-RL	0.217	4.599	40	5	0	0	88.388
Stage 2	-7.1	174.708	84.1	UL-RL	0.217	4.599	40	6	0	0	90.1
Stage 2	-7.2	176.287	84.863	UL-RL	0.217	4.599	40	7	0	0	91.863
Stage 2	-7.3	177.764	85.575	UL-RL	0.217	4.599	40	8	0	0	93.575
Stage 2	-7.4	179.241	86.288	UL-RL	0.217	4.599	40	9	0	0	95.288
Stage 2	-7.5	180.812	87.048	UL-RL	0.217	4.599	40	10	0	0	97.048
Stage 2	-7.6	182.287	87.761	UL-RL	0.217	4.599	40	11	0	0	98.761
Stage 2	-7.7	183.76	88.474	UL-RL	0.217	4.599	40	12	0	0	100.474
Stage 2	-7.8	185.326	89.233	UL-RL	0.217	4.599	40	13	0	0	102.233
Stage 2	-7.9	186.798	89.946	UL-RL	0.217	4.599	40	14	0	0	103.946
Stage 2	-8	188.359	90.704	UL-RL	0.217	4.599	40	15	0	0	105.704
Stage 2	-8.1	189.829	91.417	UL-RL	0.217	4.599	40	16	0	0	107.417
Stage 2	-8.2	191.298	92.13	UL-RL	0.217	4.599	40	17	0	0	109.13
Stage 2	-8.3	192.854	92.888	UL-RL	0.217	4.599	40	18	0	0	110.888
Stage 2	-8.4	194.322	93.602	UL-RL	0.217	4.599	40	19	0	0	112.602
Stage 2	-8.5	195.874	94.359	UL-RL	0.217	4.599	40	20	0	0	114.359
Stage 2	-8.6	197.34	95.074	UL-RL	0.217	4.599	40	21	0	0	116.074
Stage 2	-8.7	198.807	95.79	UL-RL	0.217	4.599	40	22	0	0	117.79
Stage 2	-8.8	200.354	96.548	UL-RL	0.217	4.599	40	23	0	0	119.548
Stage 2	-8.9	201.819	97.267	UL-RL	0.217	4.599	40	24	0	0	121.267
Stage 2	-9	203.363	98.026	UL-RL	0.217	4.599	40	25	0	0	123.026
Stage 2	-9.1	204.826	98.747	UL-RL	0.217	4.599	40	26	0	0	124.747
Stage 2	-9.2	206.29	99.469	UL-RL	0.217	4.599	40	27	0	0	126.469
Stage 2	-9.3	207.83	100.232	UL-RL	0.217	4.599	40	28	0	0	128.232
Stage 2	-9.4	209.292	100.957	UL-RL	0.217	4.599	40	29	0	0	129.957
Stage 2	-9.5	210.754	101.684	UL-RL	0.217	4.599	40	30	0	0	131.684
Stage 2	-9.6	212.14	102.374	UL-RL	0.217	4.599	40	31	0	0	133.374
Stage 2	-9.7	213.528	103.066	UL-RL	0.217	4.599	40	32	0	0	135.066
Stage 2	-9.8	214.916	103.758	UL-RL	0.217	4.599	40	33	0	0	136.758
Stage 2	-9.9	216.305	104.452	UL-RL	0.217	4.599	40	34	0	0	138.452
Stage 2	-10	217.695	105.146	UL-RL	0.217	4.599	40	35	0	0	140.146

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	ACTIVE	0.217	4.599	45	0	0	0	0
Stage 2	-0.1	2.4	1.175	UL-RL	0.217	4.599	45	0	0	0	1.175
Stage 2	-0.2	4.8	2.383	UL-RL	0.217	4.599	45	0	0	0	2.383
Stage 2	-0.3	7.2	3.591	UL-RL	0.217	4.599	45	0	0	0	3.591
Stage 2	-0.4	9.6	4.799	UL-RL	0.217	4.599	45	0	0	0	4.799
Stage 2	-0.5	12	6.004	UL-RL	0.217	4.599	45	0	0	0	6.004
Stage 2	-0.6	14.4	7.21	UL-RL	0.217	4.599	45	0	0	0	7.21
Stage 2	-0.7	16.8	8.416	UL-RL	0.217	4.599	45	0	0	0	8.416
Stage 2	-0.8	19.2	9.622	UL-RL	0.217	4.599	45	0	0	0	9.622
Stage 2	-0.9	21.6	10.829	UL-RL	0.217	4.599	45	0	0	0	10.829
Stage 2	-1	24	12.036	UL-RL	0.217	4.599	45	0	0	0	12.036
Stage 2	-1.1	26.4	13.244	UL-RL	0.217	4.599	45	0	0	0	13.244
Stage 2	-1.2	28.8	14.452	UL-RL	0.217	4.599	45	0	0	0	14.452
Stage 2	-1.3	31.2	15.662	UL-RL	0.217	4.599	45	0	0	0	15.662
Stage 2	-1.4	33.6	16.871	V-C	0.217	4.599	45	0	0	0	16.871
Stage 2	-1.5	36	18.082	V-C	0.217	4.599	45	0	0	0	18.082
Stage 2	-1.6	38.4	19.293	V-C	0.217	4.599	45	0	0	0	19.293
Stage 2	-1.7	40.8	20.504	V-C	0.217	4.599	45	0	0	0	20.504
Stage 2	-1.8	43.2	21.716	V-C	0.217	4.599	45	0	0	0	21.716
Stage 2	-1.9	45.6	22.929	V-C	0.217	4.599	45	0	0	0	22.929
Stage 2	-2	48	24.142	V-C	0.217	4.599	45	0	0	0	24.142
Stage 2	-2.1	50.4	25.356	V-C	0.217	4.599	45	0	0	0	25.356
Stage 2	-2.2	52.8	26.57	V-C	0.217	4.599	45	0	0	0	26.57
Stage 2	-2.3	55.2	27.785	V-C	0.217	4.599	45	0	0	0	27.785
Stage 2	-2.4	57.6	29	V-C	0.217	4.599	45	0	0	0	29
Stage 2	-2.5	60	30.215	V-C	0.217	4.599	45	0	0	0	30.215
Stage 2	-2.6	62.4	31.432	V-C	0.217	4.599	45	0	0	0	31.432
Stage 2	-2.7	64.8	32.649	V-C	0.217	4.599	45	0	0	0	32.649
Stage 2	-2.8	67.2	33.866	V-C	0.217	4.599	45	0	0	0	33.866
Stage 2	-2.9	69.6	35.085	V-C	0.217	4.599	45	0	0	0	35.085
Stage 2	-3	72	36.304	V-C	0.217	4.599	45	0	0	0	36.304
Stage 2	-3.1	74.45	37.549	V-C	0.217	4.599	40	0	0	0	37.549
Stage 2	-3.2	76.9	38.794	V-C	0.217	4.599	40	0	0	0	38.794
Stage 2	-3.3	79.35	40.039	V-C	0.217	4.599	40	0	0	0	40.039
Stage 2	-3.4	81.8	41.285	V-C	0.217	4.599	40	0	0	0	41.285
Stage 2	-3.5	84.25	42.531	V-C	0.217	4.599	40	0	0	0	42.531
Stage 2	-3.6	86.7	43.777	V-C	0.217	4.599	40	0	0	0	43.777
Stage 2	-3.7	89.15	45.023	V-C	0.217	4.599	40	0	0	0	45.023
Stage 2	-3.8	91.6	46.269	V-C	0.217	4.599	40	0	0	0	46.269
Stage 2	-3.9	94.05	47.514	V-C	0.217	4.599	40	0	0	0	47.514
Stage 2	-4	96.5	48.759	V-C	0.217	4.599	40	0	0	0	48.759
Stage 2	-4.1	98.95	50.004	V-C	0.217	4.599	40	0	0	0	50.004
Stage 2	-4.2	101.4	51.248	V-C	0.217	4.599	40	0	0	0	51.248
Stage 2	-4.3	103.85	52.491	V-C	0.217	4.599	40	0	0	0	52.491
Stage 2	-4.4	106.3	53.733	V-C	0.217	4.599	40	0	0	0	53.733
Stage 2	-4.5	108.75	54.975	V-C	0.217	4.599	40	0	0	0	54.975
Stage 2	-4.6	111.2	56.217	V-C	0.217	4.599	40	0	0	0	56.217
Stage 2	-4.7	113.65	57.458	V-C	0.217	4.599	40	0	0	0	57.458
Stage 2	-4.8	116.1	58.698	V-C	0.217	4.599	40	0	0	0	58.698
Stage 2	-4.9	118.55	59.937	V-C	0.217	4.599	40	0	0	0	59.937
Stage 2	-5	121	61.177	V-C	0.217	4.599	40	0	0	0	61.177
Stage 2	-5.1	123.45	62.415	V-C	0.217	4.599	40	0	0	0	62.415
Stage 2	-5.2	125.9	63.653	V-C	0.217	4.599	40	0	0	0	63.653
Stage 2	-5.3	128.35	64.89	V-C	0.217	4.599	40	0	0	0	64.89
Stage 2	-5.4	130.8	66.128	V-C	0.217	4.599	40	0	0	0	66.128
Stage 2	-5.5	133.25	67.364	V-C	0.217	4.599	40	0	0	0	67.364
Stage 2	-5.6	135.7	68.6	V-C	0.217	4.599	40	0	0	0	68.6
Stage 2	-5.7	138.15	69.836	V-C	0.217	4.599	40	0	0	0	69.836
Stage 2	-5.8	140.6	71.072	V-C	0.217	4.599	40	0	0	0	71.072
Stage 2	-5.9	143.05	72.307	V-C	0.217	4.599	40	0	0	0	72.307
Stage 2	-6	145.5	73.542	V-C	0.217	4.599	40	0	0	0	73.542
Stage 2	-6.1	147.95	74.776	V-C	0.217	4.599	40	0	0	0	74.776

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	-6.2	150.4	76.01	V-C	0.217	4.599	40	0	0	0	76.01
Stage 2	-6.3	152.85	77.244	V-C	0.217	4.599	40	0	0	0	77.244
Stage 2	-6.4	155.3	78.478	V-C	0.217	4.599	40	0	0	0	78.478
Stage 2	-6.5	157.75	79.712	V-C	0.217	4.599	40	0	0	0	79.712
Stage 2	-6.6	159.2	80.445	V-C	0.217	4.599	40	1	0	0	81.445
Stage 2	-6.7	160.65	81.179	V-C	0.217	4.599	40	2	0	0	83.179
Stage 2	-6.8	162.1	81.912	V-C	0.217	4.599	40	3	0	0	84.912
Stage 2	-6.9	163.55	82.644	V-C	0.217	4.599	40	4	0	0	86.644
Stage 2	-7	165	83.377	V-C	0.217	4.599	40	5	0	0	88.377
Stage 2	-7.1	166.45	84.109	V-C	0.217	4.599	40	6	0	0	90.109
Stage 2	-7.2	167.9	84.842	V-C	0.217	4.599	40	7	0	0	91.842
Stage 2	-7.3	169.35	85.574	V-C	0.217	4.599	40	8	0	0	93.574
Stage 2	-7.4	170.8	86.306	V-C	0.217	4.599	40	9	0	0	95.306
Stage 2	-7.5	172.25	87.038	V-C	0.217	4.599	40	10	0	0	97.038
Stage 2	-7.6	173.7	87.769	V-C	0.217	4.599	40	11	0	0	98.769
Stage 2	-7.7	175.15	88.501	V-C	0.217	4.599	40	12	0	0	100.501
Stage 2	-7.8	176.6	89.232	V-C	0.217	4.599	40	13	0	0	102.232
Stage 2	-7.9	178.05	89.963	V-C	0.217	4.599	40	14	0	0	103.963
Stage 2	-8	179.5	90.695	V-C	0.217	4.599	40	15	0	0	105.694
Stage 2	-8.1	180.95	91.426	V-C	0.217	4.599	40	16	0	0	107.426
Stage 2	-8.2	182.4	92.156	V-C	0.217	4.599	40	17	0	0	109.156
Stage 2	-8.3	183.85	92.887	V-C	0.217	4.599	40	18	0	0	110.887
Stage 2	-8.4	185.3	93.617	V-C	0.217	4.599	40	19	0	0	112.617
Stage 2	-8.5	186.75	94.348	V-C	0.217	4.599	40	20	0	0	114.348
Stage 2	-8.6	188.2	95.077	V-C	0.217	4.599	40	21	0	0	116.077
Stage 2	-8.7	189.65	95.807	V-C	0.217	4.599	40	22	0	0	117.807
Stage 2	-8.8	191.1	96.536	V-C	0.217	4.599	40	23	0	0	119.536
Stage 2	-8.9	192.55	97.265	V-C	0.217	4.599	40	24	0	0	121.265
Stage 2	-9	194	97.994	V-C	0.217	4.599	40	25	0	0	122.994
Stage 2	-9.1	195.45	98.722	V-C	0.217	4.599	40	26	0	0	124.722
Stage 2	-9.2	196.9	99.449	V-C	0.217	4.599	40	27	0	0	126.449
Stage 2	-9.3	198.35	100.176	V-C	0.217	4.599	40	28	0	0	128.176
Stage 2	-9.4	199.8	100.903	V-C	0.217	4.599	40	29	0	0	129.903
Stage 2	-9.5	201.25	101.629	V-C	0.217	4.599	40	30	0	0	131.629
Stage 2	-9.6	202.7	102.355	V-C	0.217	4.599	40	31	0	0	133.355
Stage 2	-9.7	204.15	103.08	V-C	0.217	4.599	40	32	0	0	135.08
Stage 2	-9.8	205.6	103.806	V-C	0.217	4.599	40	33	0	0	136.806
Stage 2	-9.9	207.05	104.531	V-C	0.217	4.599	40	34	0	0	138.531
Stage 2	-10	208.5	105.256	V-C	0.217	4.599	40	35	0	0	140.256

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	0.217	4.599	45	0	0	0	0
Stage A	-0.1	2.4	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.2	4.803	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.3	7.209	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.4	9.621	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.5	12.041	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.6	14.469	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.7	16.906	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.8	19.353	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.9	21.811	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-1	24.278	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-1.1	26.756	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-1.2	29.242	0.81	UL-RL	0.217	4.599	45	0	0	0	0.81
Stage A	-1.3	31.737	2.611	UL-RL	0.217	4.599	45	0	0	0	2.611
Stage A	-1.4	34.24	4.414	UL-RL	0.217	4.599	45	0	0	0	4.414
Stage A	-1.5	36.75	6.214	UL-RL	0.217	4.599	45	0	0	0	6.214
Stage A	-1.6	39.265	8	UL-RL	0.217	4.599	45	0	0	0	8
Stage A	-1.7	41.786	9.763	UL-RL	0.217	4.599	45	0	0	0	9.763
Stage A	-1.8	44.31	11.494	UL-RL	0.217	4.599	45	0	0	0	11.494
Stage A	-1.9	46.837	13.185	UL-RL	0.217	4.599	45	0	0	0	13.185
Stage A	-2	49.367	14.833	UL-RL	0.217	4.599	45	0	0	0	14.833
Stage A	-2.1	51.898	16.435	UL-RL	0.217	4.599	45	0	0	0	16.435
Stage A	-2.2	54.429	17.99	UL-RL	0.217	4.599	45	0	0	0	17.99
Stage A	-2.3	56.961	19.501	UL-RL	0.217	4.599	45	0	0	0	19.501
Stage A	-2.4	59.492	20.967	UL-RL	0.217	4.599	45	0	0	0	20.967
Stage A	-2.5	62.022	22.393	UL-RL	0.217	4.599	45	0	0	0	22.393
Stage A	-2.6	64.55	23.781	UL-RL	0.217	4.599	45	0	0	0	23.781
Stage A	-2.7	67.077	25.134	UL-RL	0.217	4.599	45	0	0	0	25.134
Stage A	-2.8	69.601	26.457	UL-RL	0.217	4.599	45	0	0	0	26.457
Stage A	-2.9	72.123	27.751	UL-RL	0.217	4.599	45	0	0	0	27.751
Stage A	-3	74.643	29.022	UL-RL	0.217	4.599	45	0	0	0	29.022
Stage A	-3.1	77.4	30.392	UL-RL	0.217	4.599	40	0	0	0	30.392
Stage A	-3.2	80.024	31.68	UL-RL	0.217	4.599	40	0	0	0	31.68
Stage A	-3.3	82.641	32.951	UL-RL	0.217	4.599	40	0	0	0	32.951
Stage A	-3.4	85.46	34.313	UL-RL	0.217	4.599	40	0	0	0	34.313
Stage A	-3.5	88.058	35.557	UL-RL	0.217	4.599	40	0	0	0	35.557
Stage A	-3.6	90.848	36.892	UL-RL	0.217	4.599	40	0	0	0	36.892
Stage A	-3.7	93.429	38.12	UL-RL	0.217	4.599	40	0	0	0	38.12
Stage A	-3.8	96.005	39.343	UL-RL	0.217	4.599	40	0	0	0	39.343
Stage A	-3.9	98.76	40.655	UL-RL	0.217	4.599	40	0	0	0	40.655
Stage A	-4	101.323	41.871	UL-RL	0.217	4.599	40	0	0	0	41.871
Stage A	-4.1	103.882	43.088	UL-RL	0.217	4.599	40	0	0	0	43.088
Stage A	-4.2	106.608	44.389	UL-RL	0.217	4.599	40	0	0	0	44.389
Stage A	-4.3	109.156	45.604	UL-RL	0.217	4.599	40	0	0	0	45.604
Stage A	-4.4	111.863	46.901	UL-RL	0.217	4.599	40	0	0	0	46.901
Stage A	-4.5	114.401	48.116	UL-RL	0.217	4.599	40	0	0	0	48.116
Stage A	-4.6	116.936	49.333	UL-RL	0.217	4.599	40	0	0	0	49.333
Stage A	-4.7	119.621	50.627	UL-RL	0.217	4.599	40	0	0	0	50.627
Stage A	-4.8	122.148	51.845	UL-RL	0.217	4.599	40	0	0	0	51.845
Stage A	-4.9	124.819	53.137	UL-RL	0.217	4.599	40	0	0	0	53.137
Stage A	-5	127.339	54.356	UL-RL	0.217	4.599	40	0	0	0	54.356
Stage A	-5.1	129.857	55.576	UL-RL	0.217	4.599	40	0	0	0	55.576
Stage A	-5.2	132.511	56.866	UL-RL	0.217	4.599	40	0	0	0	56.866
Stage A	-5.3	135.022	58.087	UL-RL	0.217	4.599	40	0	0	0	58.087
Stage A	-5.4	137.665	59.375	UL-RL	0.217	4.599	40	0	0	0	59.375
Stage A	-5.5	140.171	60.596	UL-RL	0.217	4.599	40	0	0	0	60.596
Stage A	-5.6	142.676	61.818	UL-RL	0.217	4.599	40	0	0	0	61.818
Stage A	-5.7	145.304	63.102	UL-RL	0.217	4.599	40	0	0	0	63.102
Stage A	-5.8	147.804	64.324	UL-RL	0.217	4.599	40	0	0	0	64.324

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	-5.9	150.302	65.545	UL-RL	0.217		4.599	40	0	0	0	65.545
Stage A	-6	152.919	66.826	UL-RL	0.217		4.599	40	0	0	0	66.826
Stage A	-6.1	155.414	68.046	UL-RL	0.217		4.599	40	0	0	0	68.046
Stage A	-6.2	158.022	69.324	UL-RL	0.217		4.599	40	0	0	0	69.324
Stage A	-6.3	160.513	70.544	UL-RL	0.217		4.599	40	0	0	0	70.544
Stage A	-6.4	163.002	71.763	UL-RL	0.217		4.599	40	0	0	0	71.763
Stage A	-6.5	165.601	73.037	UL-RL	0.217		4.599	40	0	0	0	73.037
Stage A	-6.6	167.087	73.756	UL-RL	0.217		4.599	40	1	0	0	74.756
Stage A	-6.7	168.679	74.527	UL-RL	0.217		4.599	40	2	0	0	76.527
Stage A	-6.8	170.162	75.245	UL-RL	0.217		4.599	40	3	0	0	78.245
Stage A	-6.9	171.645	75.962	UL-RL	0.217		4.599	40	4	0	0	79.962
Stage A	-7	173.229	76.731	UL-RL	0.217		4.599	40	5	0	0	81.731
Stage A	-7.1	174.708	77.447	UL-RL	0.217		4.599	40	6	0	0	83.447
Stage A	-7.2	176.287	78.214	UL-RL	0.217		4.599	40	7	0	0	85.214
Stage A	-7.3	177.764	78.93	UL-RL	0.217		4.599	40	8	0	0	86.93
Stage A	-7.4	179.241	79.647	UL-RL	0.217		4.599	40	9	0	0	88.647
Stage A	-7.5	180.812	80.411	UL-RL	0.217		4.599	40	10	0	0	90.411
Stage A	-7.6	182.287	81.127	UL-RL	0.217		4.599	40	11	0	0	92.127
Stage A	-7.7	183.76	81.843	UL-RL	0.217		4.599	40	12	0	0	93.843
Stage A	-7.8	185.326	82.605	UL-RL	0.217		4.599	40	13	0	0	95.605
Stage A	-7.9	186.798	83.321	UL-RL	0.217		4.599	40	14	0	0	97.321
Stage A	-8	188.359	84.082	UL-RL	0.217		4.599	40	15	0	0	99.082
Stage A	-8.1	189.829	84.798	UL-RL	0.217		4.599	40	16	0	0	100.798
Stage A	-8.2	191.298	85.515	UL-RL	0.217		4.599	40	17	0	0	102.515
Stage A	-8.3	192.854	86.275	UL-RL	0.217		4.599	40	18	0	0	104.275
Stage A	-8.4	194.322	86.992	UL-RL	0.217		4.599	40	19	0	0	105.992
Stage A	-8.5	195.874	87.751	UL-RL	0.217		4.599	40	20	0	0	107.751
Stage A	-8.6	197.34	88.469	UL-RL	0.217		4.599	40	21	0	0	109.469
Stage A	-8.7	198.807	89.188	UL-RL	0.217		4.599	40	22	0	0	111.188
Stage A	-8.8	200.354	89.949	UL-RL	0.217		4.599	40	23	0	0	112.949
Stage A	-8.9	201.819	90.67	UL-RL	0.217		4.599	40	24	0	0	114.67
Stage A	-9	203.363	91.432	UL-RL	0.217		4.599	40	25	0	0	116.432
Stage A	-9.1	204.826	92.156	UL-RL	0.217		4.599	40	26	0	0	118.156
Stage A	-9.2	206.29	92.88	UL-RL	0.217		4.599	40	27	0	0	119.88
Stage A	-9.3	207.83	93.646	UL-RL	0.217		4.599	40	28	0	0	121.646
Stage A	-9.4	209.292	94.373	UL-RL	0.217		4.599	40	29	0	0	123.373
Stage A	-9.5	210.754	95.102	UL-RL	0.217		4.599	40	30	0	0	125.102
Stage A	-9.6	212.14	95.795	UL-RL	0.217		4.599	40	31	0	0	126.795
Stage A	-9.7	213.528	96.49	UL-RL	0.217		4.599	40	32	0	0	128.49
Stage A	-9.8	214.916	97.185	UL-RL	0.217		4.599	40	33	0	0	130.185
Stage A	-9.9	216.305	97.881	UL-RL	0.217		4.599	40	34	0	0	131.881
Stage A	-10	217.695	98.578	UL-RL	0.217		4.599	40	35	0	0	133.578

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	5.24	UL-RL	0.217	4.599	45	0	0	0	5.24
Stage A	-1.6	2.4	9.803	UL-RL	0.217	4.599	45	0	0	0	9.803
Stage A	-1.7	4.8	11.775	UL-RL	0.217	4.599	45	0	0	0	11.775
Stage A	-1.8	7.2	13.385	UL-RL	0.217	4.599	45	0	0	0	13.385
Stage A	-1.9	9.6	14.834	UL-RL	0.217	4.599	45	0	0	0	14.834
Stage A	-2	12	16.199	UL-RL	0.217	4.599	45	0	0	0	16.199
Stage A	-2.1	14.4	17.514	UL-RL	0.217	4.599	45	0	0	0	17.514
Stage A	-2.2	16.8	18.801	UL-RL	0.217	4.599	45	0	0	0	18.801
Stage A	-2.3	19.2	20.072	UL-RL	0.217	4.599	45	0	0	0	20.072
Stage A	-2.4	21.6	21.334	UL-RL	0.217	4.599	45	0	0	0	21.334
Stage A	-2.5	24	22.592	UL-RL	0.217	4.599	45	0	0	0	22.592
Stage A	-2.6	26.4	23.849	UL-RL	0.217	4.599	45	0	0	0	23.849
Stage A	-2.7	28.8	25.106	UL-RL	0.217	4.599	45	0	0	0	25.106
Stage A	-2.8	31.2	26.363	UL-RL	0.217	4.599	45	0	0	0	26.363
Stage A	-2.9	33.6	27.622	UL-RL	0.217	4.599	45	0	0	0	27.622
Stage A	-3	36	28.883	UL-RL	0.217	4.599	45	0	0	0	28.883
Stage A	-3.1	38.45	30.17	UL-RL	0.217	4.599	40	0	0	0	30.17
Stage A	-3.2	40.9	31.458	UL-RL	0.217	4.599	40	0	0	0	31.458
Stage A	-3.3	43.35	32.746	UL-RL	0.217	4.599	40	0	0	0	32.746
Stage A	-3.4	45.8	34.033	UL-RL	0.217	4.599	40	0	0	0	34.033
Stage A	-3.5	48.25	35.319	UL-RL	0.217	4.599	40	0	0	0	35.319
Stage A	-3.6	50.7	36.604	UL-RL	0.217	4.599	40	0	0	0	36.604
Stage A	-3.7	53.15	37.886	UL-RL	0.217	4.599	40	0	0	0	37.886
Stage A	-3.8	55.6	39.167	UL-RL	0.217	4.599	40	0	0	0	39.167
Stage A	-3.9	58.05	40.445	UL-RL	0.217	4.599	40	0	0	0	40.445
Stage A	-4	60.5	41.721	UL-RL	0.217	4.599	40	0	0	0	41.721
Stage A	-4.1	62.95	42.995	UL-RL	0.217	4.599	40	0	0	0	42.995
Stage A	-4.2	65.4	44.266	UL-RL	0.217	4.599	40	0	0	0	44.266
Stage A	-4.3	67.85	45.534	UL-RL	0.217	4.599	40	0	0	0	45.534
Stage A	-4.4	70.3	46.8	UL-RL	0.217	4.599	40	0	0	0	46.8
Stage A	-4.5	72.75	48.064	UL-RL	0.217	4.599	40	0	0	0	48.064
Stage A	-4.6	75.2	49.325	UL-RL	0.217	4.599	40	0	0	0	49.325
Stage A	-4.7	77.65	50.585	UL-RL	0.217	4.599	40	0	0	0	50.585
Stage A	-4.8	80.1	51.842	UL-RL	0.217	4.599	40	0	0	0	51.842
Stage A	-4.9	82.55	53.098	UL-RL	0.217	4.599	40	0	0	0	53.098
Stage A	-5	85	54.352	UL-RL	0.217	4.599	40	0	0	0	54.352
Stage A	-5.1	87.45	55.604	UL-RL	0.217	4.599	40	0	0	0	55.604
Stage A	-5.2	89.9	56.855	UL-RL	0.217	4.599	40	0	0	0	56.855
Stage A	-5.3	92.35	58.105	UL-RL	0.217	4.599	40	0	0	0	58.105
Stage A	-5.4	94.8	59.354	UL-RL	0.217	4.599	40	0	0	0	59.354
Stage A	-5.5	97.25	60.601	UL-RL	0.217	4.599	40	0	0	0	60.601
Stage A	-5.6	99.7	61.848	UL-RL	0.217	4.599	40	0	0	0	61.848
Stage A	-5.7	102.15	63.093	UL-RL	0.217	4.599	40	0	0	0	63.093
Stage A	-5.8	104.6	64.338	UL-RL	0.217	4.599	40	0	0	0	64.338
Stage A	-5.9	107.05	65.582	UL-RL	0.217	4.599	40	0	0	0	65.582
Stage A	-6	109.5	66.826	UL-RL	0.217	4.599	40	0	0	0	66.826
Stage A	-6.1	111.95	68.069	UL-RL	0.217	4.599	40	0	0	0	68.069

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	-6.2	114.4	69.312	UL-RL	0.217	4.599	40	0	0	0	69.312
Stage A	-6.3	116.85	70.554	UL-RL	0.217	4.599	40	0	0	0	70.554
Stage A	-6.4	119.3	71.795	UL-RL	0.217	4.599	40	0	0	0	71.795
Stage A	-6.5	121.75	73.037	UL-RL	0.217	4.599	40	0	0	0	73.037
Stage A	-6.6	123.2	73.773	UL-RL	0.217	4.599	40	1	0	0	74.773
Stage A	-6.7	124.65	74.51	UL-RL	0.217	4.599	40	2	0	0	76.51
Stage A	-6.8	126.1	75.246	UL-RL	0.217	4.599	40	3	0	0	78.246
Stage A	-6.9	127.55	75.983	UL-RL	0.217	4.599	40	4	0	0	79.983
Stage A	-7	129	76.719	UL-RL	0.217	4.599	40	5	0	0	81.719
Stage A	-7.1	130.45	77.455	UL-RL	0.217	4.599	40	6	0	0	83.455
Stage A	-7.2	131.9	78.191	UL-RL	0.217	4.599	40	7	0	0	85.191
Stage A	-7.3	133.35	78.926	UL-RL	0.217	4.599	40	8	0	0	86.926
Stage A	-7.4	134.8	79.662	UL-RL	0.217	4.599	40	9	0	0	88.662
Stage A	-7.5	136.25	80.397	UL-RL	0.217	4.599	40	10	0	0	90.397
Stage A	-7.6	137.7	81.132	UL-RL	0.217	4.599	40	11	0	0	92.132
Stage A	-7.7	139.15	81.867	UL-RL	0.217	4.599	40	12	0	0	93.867
Stage A	-7.8	140.6	82.602	UL-RL	0.217	4.599	40	13	0	0	95.602
Stage A	-7.9	142.05	83.337	UL-RL	0.217	4.599	40	14	0	0	97.337
Stage A	-8	143.5	84.071	UL-RL	0.217	4.599	40	15	0	0	99.071
Stage A	-8.1	144.95	84.805	UL-RL	0.217	4.599	40	16	0	0	100.805
Stage A	-8.2	146.4	85.539	UL-RL	0.217	4.599	40	17	0	0	102.539
Stage A	-8.3	147.85	86.273	UL-RL	0.217	4.599	40	18	0	0	104.273
Stage A	-8.4	149.3	87.006	UL-RL	0.217	4.599	40	19	0	0	106.006
Stage A	-8.5	150.75	87.74	UL-RL	0.217	4.599	40	20	0	0	107.74
Stage A	-8.6	152.2	88.472	UL-RL	0.217	4.599	40	21	0	0	109.472
Stage A	-8.7	153.65	89.205	UL-RL	0.217	4.599	40	22	0	0	111.205
Stage A	-8.8	155.1	89.937	UL-RL	0.217	4.599	40	23	0	0	112.937
Stage A	-8.9	156.55	90.669	UL-RL	0.217	4.599	40	24	0	0	114.668
Stage A	-9	158	91.4	UL-RL	0.217	4.599	40	25	0	0	116.4
Stage A	-9.1	159.45	92.13	UL-RL	0.217	4.599	40	26	0	0	118.13
Stage A	-9.2	160.9	92.86	UL-RL	0.217	4.599	40	27	0	0	119.86
Stage A	-9.3	162.35	93.59	UL-RL	0.217	4.599	40	28	0	0	121.59
Stage A	-9.4	163.8	94.319	UL-RL	0.217	4.599	40	29	0	0	123.319
Stage A	-9.5	165.25	95.048	UL-RL	0.217	4.599	40	30	0	0	125.048
Stage A	-9.6	166.7	95.776	UL-RL	0.217	4.599	40	31	0	0	126.776
Stage A	-9.7	168.15	96.504	UL-RL	0.217	4.599	40	32	0	0	128.504
Stage A	-9.8	169.6	97.231	UL-RL	0.217	4.599	40	33	0	0	130.232
Stage A	-9.9	171.05	97.959	UL-RL	0.217	4.599	40	34	0	0	131.959
Stage A	-10	172.5	98.686	UL-RL	0.217	4.599	40	35	0	0	133.686

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	4.873	V-C	0.217	4.599	45	0	0	0	4.873
Stage B	-0.1	2.4	6.822	V-C	0.217	4.599	45	0	0	0	6.822
Stage B	-0.2	4.803	11.764	V-C	0.217	4.599	45	0	0	0	11.764
Stage B	-0.3	7.209	16.695	V-C	0.217	4.599	45	0	0	0	16.695
Stage B	-0.4	9.621	21.601	V-C	0.217	4.599	45	0	0	0	21.601
Stage B	-0.5	12.041	26.454	V-C	0.217	4.599	45	0	0	0	26.454
Stage B	-0.6	14.469	31.206	V-C	0.217	4.599	45	0	0	0	31.206
Stage B	-0.7	16.906	35.791	V-C	0.217	4.599	45	0	0	0	35.791
Stage B	-0.8	19.353	40.116	V-C	0.217	4.599	45	0	0	0	40.116
Stage B	-0.9	21.811	44.065	V-C	0.217	4.599	45	0	0	0	44.065
Stage B	-1	24.278	47.488	V-C	0.217	4.599	45	0	0	0	47.488
Stage B	-1.1	26.756	50.203	V-C	0.217	4.599	45	0	0	0	50.203
Stage B	-1.2	29.242	52.495	V-C	0.217	4.599	45	0	0	0	52.495
Stage B	-1.3	31.737	54.222	V-C	0.217	4.599	45	0	0	0	54.222
Stage B	-1.4	34.24	54.581	V-C	0.217	4.599	45	0	0	0	54.581
Stage B	-1.5	36.75	53.811	V-C	0.217	4.599	45	0	0	0	53.811
Stage B	-1.6	39.265	52.223	V-C	0.217	4.599	45	0	0	0	52.223
Stage B	-1.7	41.786	50.086	V-C	0.217	4.599	45	0	0	0	50.086
Stage B	-1.8	44.31	47.629	V-C	0.217	4.599	45	0	0	0	47.629
Stage B	-1.9	46.837	45.045	V-C	0.217	4.599	45	0	0	0	45.045
Stage B	-2	49.367	42.486	V-C	0.217	4.599	45	0	0	0	42.486
Stage B	-2.1	51.898	40.075	V-C	0.217	4.599	45	0	0	0	40.075
Stage B	-2.2	54.429	37.897	V-C	0.217	4.599	45	0	0	0	37.897
Stage B	-2.3	56.961	36.012	V-C	0.217	4.599	45	0	0	0	36.012
Stage B	-2.4	59.492	34.457	V-C	0.217	4.599	45	0	0	0	34.457
Stage B	-2.5	62.022	33.248	V-C	0.217	4.599	45	0	0	0	33.248
Stage B	-2.6	64.55	32.386	V-C	0.217	4.599	45	0	0	0	32.386
Stage B	-2.7	67.077	30.852	UL-RL	0.217	4.599	45	0	0	0	30.852
Stage B	-2.8	69.601	29.756	UL-RL	0.217	4.599	45	0	0	0	29.756
Stage B	-2.9	72.123	29.121	UL-RL	0.217	4.599	45	0	0	0	29.121
Stage B	-3	74.643	28.898	UL-RL	0.217	4.599	45	0	0	0	28.898
Stage B	-3.1	77.4	29.155	UL-RL	0.217	4.599	40	0	0	0	29.155
Stage B	-3.2	80.024	29.655	UL-RL	0.217	4.599	40	0	0	0	29.655
Stage B	-3.3	82.641	30.41	UL-RL	0.217	4.599	40	0	0	0	30.41
Stage B	-3.4	85.46	31.479	UL-RL	0.217	4.599	40	0	0	0	31.479
Stage B	-3.5	88.058	32.606	UL-RL	0.217	4.599	40	0	0	0	32.606
Stage B	-3.6	90.848	33.961	UL-RL	0.217	4.599	40	0	0	0	33.961
Stage B	-3.7	93.429	35.31	UL-RL	0.217	4.599	40	0	0	0	35.31
Stage B	-3.8	96.005	36.726	UL-RL	0.217	4.599	40	0	0	0	36.726
Stage B	-3.9	98.76	38.278	UL-RL	0.217	4.599	40	0	0	0	38.278
Stage B	-4	101.323	39.76	UL-RL	0.217	4.599	40	0	0	0	39.76
Stage B	-4.1	103.882	41.252	UL-RL	0.217	4.599	40	0	0	0	41.252
Stage B	-4.2	106.608	42.826	UL-RL	0.217	4.599	40	0	0	0	42.826
Stage B	-4.3	109.156	44.302	UL-RL	0.217	4.599	40	0	0	0	44.302
Stage B	-4.4	111.863	45.842	UL-RL	0.217	4.599	40	0	0	0	45.842
Stage B	-4.5	114.401	47.277	UL-RL	0.217	4.599	40	0	0	0	47.277
Stage B	-4.6	116.936	48.689	UL-RL	0.217	4.599	40	0	0	0	48.689
Stage B	-4.7	119.621	50.153	UL-RL	0.217	4.599	40	0	0	0	50.153
Stage B	-4.8	122.148	51.515	UL-RL	0.217	4.599	40	0	0	0	51.515
Stage B	-4.9	124.819	52.927	UL-RL	0.217	4.599	40	0	0	0	52.927
Stage B	-5	127.339	54.243	UL-RL	0.217	4.599	40	0	0	0	54.243
Stage B	-5.1	129.857	55.54	UL-RL	0.217	4.599	40	0	0	0	55.54
Stage B	-5.2	132.511	56.889	UL-RL	0.217	4.599	40	0	0	0	56.889
Stage B	-5.3	135.022	58.153	UL-RL	0.217	4.599	40	0	0	0	58.153
Stage B	-5.4	137.665	59.471	UL-RL	0.217	4.599	40	0	0	0	59.471
Stage B	-5.5	140.171	60.711	UL-RL	0.217	4.599	40	0	0	0	60.711
Stage B	-5.6	142.676	61.943	UL-RL	0.217	4.599	40	0	0	0	61.943
Stage B	-5.7	145.304	63.23	UL-RL	0.217	4.599	40	0	0	0	63.23
Stage B	-5.8	147.804	64.449	UL-RL	0.217	4.599	40	0	0	0	64.449

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	-5.9	150.302	65.664	UL-RL	0.217	4.599	40	0	0	0	65.664
Stage B	-6	152.919	66.936	UL-RL	0.217	4.599	40	0	0	0	66.936
Stage B	-6.1	155.414	68.145	UL-RL	0.217	4.599	40	0	0	0	68.145
Stage B	-6.2	158.022	69.412	UL-RL	0.217	4.599	40	0	0	0	69.412
Stage B	-6.3	160.513	70.619	UL-RL	0.217	4.599	40	0	0	0	70.619
Stage B	-6.4	163.002	71.827	UL-RL	0.217	4.599	40	0	0	0	71.827
Stage B	-6.5	165.601	73.09	UL-RL	0.217	4.599	40	0	0	0	73.09
Stage B	-6.6	167.087	73.798	UL-RL	0.217	4.599	40	1	0	0	74.798
Stage B	-6.7	168.679	74.561	UL-RL	0.217	4.599	40	2	0	0	76.561
Stage B	-6.8	170.162	75.27	UL-RL	0.217	4.599	40	3	0	0	78.27
Stage B	-6.9	171.645	75.98	UL-RL	0.217	4.599	40	4	0	0	79.98
Stage B	-7	173.229	76.743	UL-RL	0.217	4.599	40	5	0	0	81.743
Stage B	-7.1	174.708	77.455	UL-RL	0.217	4.599	40	6	0	0	83.455
Stage B	-7.2	176.287	78.218	UL-RL	0.217	4.599	40	7	0	0	85.218
Stage B	-7.3	177.764	78.931	UL-RL	0.217	4.599	40	8	0	0	86.931
Stage B	-7.4	179.241	79.645	UL-RL	0.217	4.599	40	9	0	0	88.645
Stage B	-7.5	180.812	80.408	UL-RL	0.217	4.599	40	10	0	0	90.407
Stage B	-7.6	182.287	81.122	UL-RL	0.217	4.599	40	11	0	0	92.122
Stage B	-7.7	183.76	81.838	UL-RL	0.217	4.599	40	12	0	0	93.838
Stage B	-7.8	185.326	82.6	UL-RL	0.217	4.599	40	13	0	0	95.6
Stage B	-7.9	186.798	83.316	UL-RL	0.217	4.599	40	14	0	0	97.316
Stage B	-8	188.359	84.077	UL-RL	0.217	4.599	40	15	0	0	99.077
Stage B	-8.1	189.829	84.793	UL-RL	0.217	4.599	40	16	0	0	100.793
Stage B	-8.2	191.298	85.51	UL-RL	0.217	4.599	40	17	0	0	102.51
Stage B	-8.3	192.854	86.27	UL-RL	0.217	4.599	40	18	0	0	104.27
Stage B	-8.4	194.322	86.988	UL-RL	0.217	4.599	40	19	0	0	105.988
Stage B	-8.5	195.874	87.748	UL-RL	0.217	4.599	40	20	0	0	107.748
Stage B	-8.6	197.34	88.467	UL-RL	0.217	4.599	40	21	0	0	109.467
Stage B	-8.7	198.807	89.186	UL-RL	0.217	4.599	40	22	0	0	111.186
Stage B	-8.8	200.354	89.947	UL-RL	0.217	4.599	40	23	0	0	112.947
Stage B	-8.9	201.819	90.669	UL-RL	0.217	4.599	40	24	0	0	114.669
Stage B	-9	203.363	91.431	UL-RL	0.217	4.599	40	25	0	0	116.431
Stage B	-9.1	204.826	92.155	UL-RL	0.217	4.599	40	26	0	0	118.155
Stage B	-9.2	206.29	92.88	UL-RL	0.217	4.599	40	27	0	0	119.88
Stage B	-9.3	207.83	93.645	UL-RL	0.217	4.599	40	28	0	0	121.645
Stage B	-9.4	209.292	94.373	UL-RL	0.217	4.599	40	29	0	0	123.373
Stage B	-9.5	210.754	95.103	UL-RL	0.217	4.599	40	30	0	0	125.103
Stage B	-9.6	212.14	95.796	UL-RL	0.217	4.599	40	31	0	0	126.796
Stage B	-9.7	213.528	96.49	UL-RL	0.217	4.599	40	32	0	0	128.49
Stage B	-9.8	214.916	97.186	UL-RL	0.217	4.599	40	33	0	0	130.186
Stage B	-9.9	216.305	97.882	UL-RL	0.217	4.599	40	34	0	0	131.882
Stage B	-10	217.695	98.579	UL-RL	0.217	4.599	40	35	0	0	133.579

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	0.217	4.599	45	0	0	0	0
Stage B	-1.6	2.4	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage B	-1.7	4.8	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage B	-1.8	7.2	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage B	-1.9	9.6	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage B	-2	12	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage B	-2.1	14.4	3.547	UL-RL	0.217	4.599	45	0	0	0	3.547
Stage B	-2.2	16.8	7.357	UL-RL	0.217	4.599	45	0	0	0	7.357
Stage B	-2.3	19.2	10.926	UL-RL	0.217	4.599	45	0	0	0	10.926
Stage B	-2.4	21.6	14.238	UL-RL	0.217	4.599	45	0	0	0	14.238
Stage B	-2.5	24	17.288	UL-RL	0.217	4.599	45	0	0	0	17.288
Stage B	-2.6	26.4	20.078	UL-RL	0.217	4.599	45	0	0	0	20.078
Stage B	-2.7	28.8	22.619	UL-RL	0.217	4.599	45	0	0	0	22.619
Stage B	-2.8	31.2	24.928	UL-RL	0.217	4.599	45	0	0	0	24.928
Stage B	-2.9	33.6	27.027	UL-RL	0.217	4.599	45	0	0	0	27.027
Stage B	-3	36	28.937	UL-RL	0.217	4.599	45	0	0	0	28.937
Stage B	-3.1	38.45	30.708	UL-RL	0.217	4.599	40	0	0	0	30.708
Stage B	-3.2	40.9	32.339	UL-RL	0.217	4.599	40	0	0	0	32.339
Stage B	-3.3	43.35	33.851	UL-RL	0.217	4.599	40	0	0	0	33.851
Stage B	-3.4	45.8	35.266	UL-RL	0.217	4.599	40	0	0	0	35.266
Stage B	-3.5	48.25	36.603	UL-RL	0.217	4.599	40	0	0	0	36.603
Stage B	-3.6	50.7	37.879	UL-RL	0.217	4.599	40	0	0	0	37.879
Stage B	-3.7	53.15	39.108	UL-RL	0.217	4.599	40	0	0	0	39.108
Stage B	-3.8	55.6	40.305	UL-RL	0.217	4.599	40	0	0	0	40.305
Stage B	-3.9	58.05	41.479	UL-RL	0.217	4.599	40	0	0	0	41.479
Stage B	-4	60.5	42.639	UL-RL	0.217	4.599	40	0	0	0	42.639
Stage B	-4.1	62.95	43.793	UL-RL	0.217	4.599	40	0	0	0	43.793
Stage B	-4.2	65.4	44.945	UL-RL	0.217	4.599	40	0	0	0	44.945
Stage B	-4.3	67.85	46.1	UL-RL	0.217	4.599	40	0	0	0	46.1
Stage B	-4.4	70.3	47.261	UL-RL	0.217	4.599	40	0	0	0	47.261
Stage B	-4.5	72.75	48.429	UL-RL	0.217	4.599	40	0	0	0	48.429
Stage B	-4.6	75.2	49.605	UL-RL	0.217	4.599	40	0	0	0	49.605
Stage B	-4.7	77.65	50.791	UL-RL	0.217	4.599	40	0	0	0	50.791
Stage B	-4.8	80.1	51.986	UL-RL	0.217	4.599	40	0	0	0	51.986
Stage B	-4.9	82.55	53.189	UL-RL	0.217	4.599	40	0	0	0	53.189
Stage B	-5	85	54.401	UL-RL	0.217	4.599	40	0	0	0	54.401
Stage B	-5.1	87.45	55.62	UL-RL	0.217	4.599	40	0	0	0	55.62
Stage B	-5.2	89.9	56.845	UL-RL	0.217	4.599	40	0	0	0	56.845
Stage B	-5.3	92.35	58.076	UL-RL	0.217	4.599	40	0	0	0	58.076
Stage B	-5.4	94.8	59.312	UL-RL	0.217	4.599	40	0	0	0	59.312
Stage B	-5.5	97.25	60.551	UL-RL	0.217	4.599	40	0	0	0	60.551
Stage B	-5.6	99.7	61.793	UL-RL	0.217	4.599	40	0	0	0	61.793
Stage B	-5.7	102.15	63.038	UL-RL	0.217	4.599	40	0	0	0	63.038
Stage B	-5.8	104.6	64.284	UL-RL	0.217	4.599	40	0	0	0	64.284
Stage B	-5.9	107.05	65.531	UL-RL	0.217	4.599	40	0	0	0	65.531
Stage B	-6	109.5	66.778	UL-RL	0.217	4.599	40	0	0	0	66.778
Stage B	-6.1	111.95	68.026	UL-RL	0.217	4.599	40	0	0	0	68.026

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	-6.2	114.4	69.274	UL-RL	0.217	4.599	40	0	0	0	69.274
Stage B	-6.3	116.85	70.521	UL-RL	0.217	4.599	40	0	0	0	70.521
Stage B	-6.4	119.3	71.768	UL-RL	0.217	4.599	40	0	0	0	71.768
Stage B	-6.5	121.75	73.014	UL-RL	0.217	4.599	40	0	0	0	73.014
Stage B	-6.6	123.2	73.755	UL-RL	0.217	4.599	40	1	0	0	74.755
Stage B	-6.7	124.65	74.495	UL-RL	0.217	4.599	40	2	0	0	76.495
Stage B	-6.8	126.1	75.235	UL-RL	0.217	4.599	40	3	0	0	78.235
Stage B	-6.9	127.55	75.975	UL-RL	0.217	4.599	40	4	0	0	79.975
Stage B	-7	129	76.714	UL-RL	0.217	4.599	40	5	0	0	81.713
Stage B	-7.1	130.45	77.452	UL-RL	0.217	4.599	40	6	0	0	83.452
Stage B	-7.2	131.9	78.189	UL-RL	0.217	4.599	40	7	0	0	85.189
Stage B	-7.3	133.35	78.926	UL-RL	0.217	4.599	40	8	0	0	86.926
Stage B	-7.4	134.8	79.663	UL-RL	0.217	4.599	40	9	0	0	88.663
Stage B	-7.5	136.25	80.399	UL-RL	0.217	4.599	40	10	0	0	90.399
Stage B	-7.6	137.7	81.134	UL-RL	0.217	4.599	40	11	0	0	92.134
Stage B	-7.7	139.15	81.87	UL-RL	0.217	4.599	40	12	0	0	93.87
Stage B	-7.8	140.6	82.605	UL-RL	0.217	4.599	40	13	0	0	95.604
Stage B	-7.9	142.05	83.339	UL-RL	0.217	4.599	40	14	0	0	97.339
Stage B	-8	143.5	84.073	UL-RL	0.217	4.599	40	15	0	0	99.073
Stage B	-8.1	144.95	84.808	UL-RL	0.217	4.599	40	16	0	0	100.808
Stage B	-8.2	146.4	85.541	UL-RL	0.217	4.599	40	17	0	0	102.541
Stage B	-8.3	147.85	86.275	UL-RL	0.217	4.599	40	18	0	0	104.275
Stage B	-8.4	149.3	87.008	UL-RL	0.217	4.599	40	19	0	0	106.008
Stage B	-8.5	150.75	87.741	UL-RL	0.217	4.599	40	20	0	0	107.741
Stage B	-8.6	152.2	88.474	UL-RL	0.217	4.599	40	21	0	0	109.474
Stage B	-8.7	153.65	89.206	UL-RL	0.217	4.599	40	22	0	0	111.206
Stage B	-8.8	155.1	89.938	UL-RL	0.217	4.599	40	23	0	0	112.938
Stage B	-8.9	156.55	90.669	UL-RL	0.217	4.599	40	24	0	0	114.669
Stage B	-9	158	91.4	UL-RL	0.217	4.599	40	25	0	0	116.4
Stage B	-9.1	159.45	92.131	UL-RL	0.217	4.599	40	26	0	0	118.131
Stage B	-9.2	160.9	92.861	UL-RL	0.217	4.599	40	27	0	0	119.861
Stage B	-9.3	162.35	93.59	UL-RL	0.217	4.599	40	28	0	0	121.59
Stage B	-9.4	163.8	94.319	UL-RL	0.217	4.599	40	29	0	0	123.319
Stage B	-9.5	165.25	95.048	UL-RL	0.217	4.599	40	30	0	0	125.048
Stage B	-9.6	166.7	95.776	UL-RL	0.217	4.599	40	31	0	0	126.776
Stage B	-9.7	168.15	96.504	UL-RL	0.217	4.599	40	32	0	0	128.504
Stage B	-9.8	169.6	97.231	UL-RL	0.217	4.599	40	33	0	0	130.231
Stage B	-9.9	171.05	97.959	UL-RL	0.217	4.599	40	34	0	0	131.959
Stage B	-10	172.5	98.686	UL-RL	0.217	4.599	40	35	0	0	133.686

Tabella Risultati Terreno Left Wall - Nominal - Stage 3-

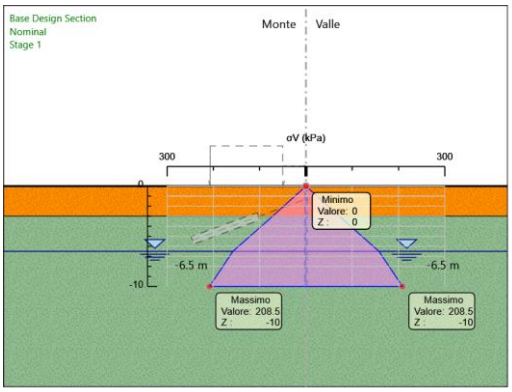
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	0	0	8.817	V-C	0.217	4.599	45	0	0	0	8.817
Stage 3-	-0.1	2.4	10.459	V-C	0.217	4.599	45	0	0	0	10.459
Stage 3-	-0.2	4.803	15.093	V-C	0.217	4.599	45	0	0	0	15.093
Stage 3-	-0.3	7.209	19.715	V-C	0.217	4.599	45	0	0	0	19.715
Stage 3-	-0.4	9.621	24.307	V-C	0.217	4.599	45	0	0	0	24.307
Stage 3-	-0.5	12.041	28.84	V-C	0.217	4.599	45	0	0	0	28.84
Stage 3-	-0.6	14.469	33.262	V-C	0.217	4.599	45	0	0	0	33.262
Stage 3-	-0.7	16.906	37.502	V-C	0.217	4.599	45	0	0	0	37.502
Stage 3-	-0.8	19.353	41.464	V-C	0.217	4.599	45	0	0	0	41.464
Stage 3-	-0.9	21.811	45.027	V-C	0.217	4.599	45	0	0	0	45.027
Stage 3-	-1	24.278	48.036	V-C	0.217	4.599	45	0	0	0	48.036
Stage 3-	-1.1	26.756	50.303	V-C	0.217	4.599	45	0	0	0	50.303
Stage 3-	-1.2	29.242	51.877	UL-RL	0.217	4.599	45	0	0	0	51.877
Stage 3-	-1.3	31.737	52.753	UL-RL	0.217	4.599	45	0	0	0	52.753
Stage 3-	-1.4	34.24	52.183	UL-RL	0.217	4.599	45	0	0	0	52.183
Stage 3-	-1.5	36.75	50.395	UL-RL	0.217	4.599	45	0	0	0	50.395
Stage 3-	-1.6	39.265	47.695	UL-RL	0.217	4.599	45	0	0	0	47.695
Stage 3-	-1.7	41.786	44.346	UL-RL	0.217	4.599	45	0	0	0	44.346
Stage 3-	-1.8	44.31	40.574	UL-RL	0.217	4.599	45	0	0	0	40.574
Stage 3-	-1.9	46.837	36.568	UL-RL	0.217	4.599	45	0	0	0	36.568
Stage 3-	-2	49.367	32.483	UL-RL	0.217	4.599	45	0	0	0	32.483
Stage 3-	-2.1	51.898	28.444	UL-RL	0.217	4.599	45	0	0	0	28.444
Stage 3-	-2.2	54.429	24.546	UL-RL	0.217	4.599	45	0	0	0	24.546
Stage 3-	-2.3	56.961	20.857	UL-RL	0.217	4.599	45	0	0	0	20.857
Stage 3-	-2.4	59.492	17.427	UL-RL	0.217	4.599	45	0	0	0	17.427
Stage 3-	-2.5	62.022	14.287	UL-RL	0.217	4.599	45	0	0	0	14.287
Stage 3-	-2.6	64.55	11.453	UL-RL	0.217	4.599	45	0	0	0	11.453
Stage 3-	-2.7	67.077	7.922	UL-RL	0.217	4.599	45	0	0	0	7.922
Stage 3-	-2.8	69.601	4.82	UL-RL	0.217	4.599	45	0	0	0	4.82
Stage 3-	-2.9	72.123	2.187	UL-RL	0.217	4.599	45	0	0	0	2.187
Stage 3-	-3	74.643	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage 3-	-3.1	77.4	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.2	80.024	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.3	82.641	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.4	85.46	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.5	88.058	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.6	90.848	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.7	93.429	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.8	96.005	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.9	98.76	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4	101.323	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4.1	103.882	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4.2	106.608	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4.3	109.156	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4.4	111.863	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4.5	114.401	0.756	UL-RL	0.217	4.599	40	0	0	0	0.756
Stage 3-	-4.6	116.936	2.166	UL-RL	0.217	4.599	40	0	0	0	2.166
Stage 3-	-4.7	119.621	3.795	UL-RL	0.217	4.599	40	0	0	0	3.795
Stage 3-	-4.8	122.148	5.487	UL-RL	0.217	4.599	40	0	0	0	5.487
Stage 3-	-4.9	124.819	7.393	UL-RL	0.217	4.599	40	0	0	0	7.393
Stage 3-	-5	127.339	9.362	UL-RL	0.217	4.599	40	0	0	0	9.362
Stage 3-	-5.1	129.857	11.463	UL-RL	0.217	4.599	40	0	0	0	11.463
Stage 3-	-5.2	132.511	13.756	UL-RL	0.217	4.599	40	0	0	0	13.756
Stage 3-	-5.3	135.022	16.09	UL-RL	0.217	4.599	40	0	0	0	16.09
Stage 3-	-5.4	137.665	18.584	UL-RL	0.217	4.599	40	0	0	0	18.584
Stage 3-	-5.5	140.171	21.078	UL-RL	0.217	4.599	40	0	0	0	21.078
Stage 3-	-5.6	142.676	23.613	UL-RL	0.217	4.599	40	0	0	0	23.613
Stage 3-	-5.7	145.304	26.223	UL-RL	0.217	4.599	40	0	0	0	26.223
Stage 3-	-5.8	147.804	28.759	UL-RL	0.217	4.599	40	0	0	0	28.759

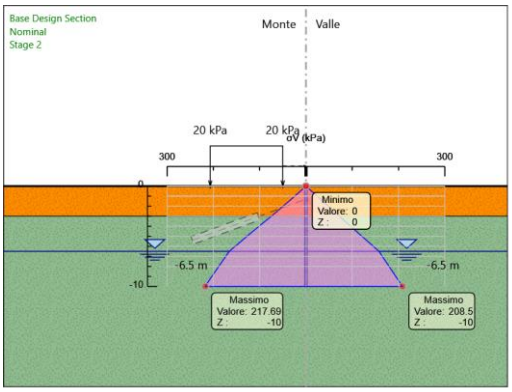
Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka		Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	-5.9	150.302	31.265	UL-RL	0.217		4.599	40	0	0	0	31.265
Stage 3-	-6	152.919	33.786	UL-RL	0.217		4.599	40	0	0	0	33.786
Stage 3-	-6.1	155.414	36.187	UL-RL	0.217		4.599	40	0	0	0	36.187
Stage 3-	-6.2	158.022	38.58	UL-RL	0.217		4.599	40	0	0	0	38.58
Stage 3-	-6.3	160.513	40.84	UL-RL	0.217		4.599	40	0	0	0	40.84
Stage 3-	-6.4	163.002	43.023	UL-RL	0.217		4.599	40	0	0	0	43.023
Stage 3-	-6.5	165.601	45.182	UL-RL	0.217		4.599	40	0	0	0	45.182
Stage 3-	-6.6	167.087	46.705	UL-RL	0.217		4.599	40	1	0	0	47.705
Stage 3-	-6.7	168.679	48.203	UL-RL	0.217		4.599	40	2	0	0	50.203
Stage 3-	-6.8	170.162	49.572	UL-RL	0.217		4.599	40	3	0	0	52.572
Stage 3-	-6.9	171.645	50.869	UL-RL	0.217		4.599	40	4	0	0	54.869
Stage 3-	-7	173.229	52.15	UL-RL	0.217		4.599	40	5	0	0	57.15
Stage 3-	-7.1	174.708	53.316	UL-RL	0.217		4.599	40	6	0	0	59.316
Stage 3-	-7.2	176.287	54.474	UL-RL	0.217		4.599	40	7	0	0	61.474
Stage 3-	-7.3	177.764	55.53	UL-RL	0.217		4.599	40	8	0	0	63.53
Stage 3-	-7.4	179.241	56.538	UL-RL	0.217		4.599	40	9	0	0	65.538
Stage 3-	-7.5	180.812	57.552	UL-RL	0.217		4.599	40	10	0	0	67.552
Stage 3-	-7.6	182.287	58.481	UL-RL	0.217		4.599	40	11	0	0	69.481
Stage 3-	-7.7	183.76	59.377	UL-RL	0.217		4.599	40	12	0	0	71.377
Stage 3-	-7.8	185.326	60.291	UL-RL	0.217		4.599	40	13	0	0	73.291
Stage 3-	-7.9	186.798	61.135	UL-RL	0.217		4.599	40	14	0	0	75.135
Stage 3-	-8	188.359	62.003	UL-RL	0.217		4.599	40	15	0	0	77.003
Stage 3-	-8.1	189.829	62.809	UL-RL	0.217		4.599	40	16	0	0	78.809
Stage 3-	-8.2	191.298	63.601	UL-RL	0.217		4.599	40	17	0	0	80.601
Stage 3-	-8.3	192.854	64.426	UL-RL	0.217		4.599	40	18	0	0	82.426
Stage 3-	-8.4	194.322	65.198	UL-RL	0.217		4.599	40	19	0	0	84.198
Stage 3-	-8.5	195.874	66.005	UL-RL	0.217		4.599	40	20	0	0	86.005
Stage 3-	-8.6	197.34	66.766	UL-RL	0.217		4.599	40	21	0	0	87.766
Stage 3-	-8.7	198.807	67.523	UL-RL	0.217		4.599	40	22	0	0	89.523
Stage 3-	-8.8	200.354	68.319	UL-RL	0.217		4.599	40	23	0	0	91.319
Stage 3-	-8.9	201.819	69.073	UL-RL	0.217		4.599	40	24	0	0	93.073
Stage 3-	-9	203.363	69.867	UL-RL	0.217		4.599	40	25	0	0	94.867
Stage 3-	-9.1	204.826	70.622	UL-RL	0.217		4.599	40	26	0	0	96.622
Stage 3-	-9.2	206.29	71.378	UL-RL	0.217		4.599	40	27	0	0	98.378
Stage 3-	-9.3	207.83	72.174	UL-RL	0.217		4.599	40	28	0	0	100.174
Stage 3-	-9.4	209.292	72.932	UL-RL	0.217		4.599	40	29	0	0	101.932
Stage 3-	-9.5	210.754	73.692	UL-RL	0.217		4.599	40	30	0	0	103.692
Stage 3-	-9.6	212.14	74.417	UL-RL	0.217		4.599	40	31	0	0	105.416
Stage 3-	-9.7	213.528	75.142	UL-RL	0.217		4.599	40	32	0	0	107.142
Stage 3-	-9.8	214.916	75.869	UL-RL	0.217		4.599	40	33	0	0	108.869
Stage 3-	-9.9	216.305	76.597	UL-RL	0.217		4.599	40	34	0	0	110.597
Stage 3-	-10	217.695	77.325	UL-RL	0.217		4.599	40	35	0	0	112.325

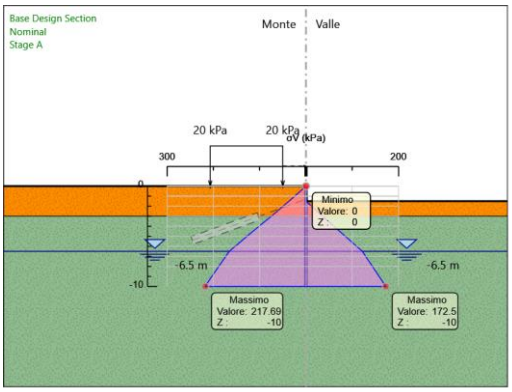
Design Assumption: Nominal Risultati Terreno			Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 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	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.5	2.45	31.402	UL-RL	0.217	4.599	40	0	0	0	31.402
Stage 3-	-5.6	4.9	34.647	UL-RL	0.217	4.599	40	0	0	0	34.647
Stage 3-	-5.7	7.35	37.067	UL-RL	0.217	4.599	40	0	0	0	37.067
Stage 3-	-5.8	9.8	39.079	UL-RL	0.217	4.599	40	0	0	0	39.079
Stage 3-	-5.9	12.25	40.848	UL-RL	0.217	4.599	40	0	0	0	40.848
Stage 3-	-6	14.7	42.461	UL-RL	0.217	4.599	40	0	0	0	42.461
Stage 3-	-6.1	17.15	43.97	UL-RL	0.217	4.599	40	0	0	0	43.97

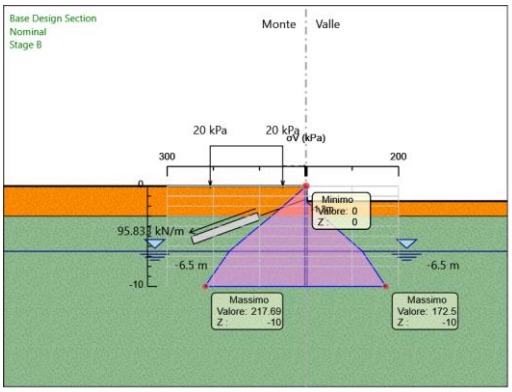
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	-6.2	19.6	45.41	UL-RL	0.217	4.599	40	0	0	0	45.41
Stage 3-	-6.3	22.05	46.803	UL-RL	0.217	4.599	40	0	0	0	46.803
Stage 3-	-6.4	24.5	48.167	UL-RL	0.217	4.599	40	0	0	0	48.167
Stage 3-	-6.5	26.95	49.514	UL-RL	0.217	4.599	40	0	0	0	49.514
Stage 3-	-6.6	28.4	50.158	UL-RL	0.217	4.599	40	1	0	0	51.158
Stage 3-	-6.7	29.85	50.824	UL-RL	0.217	4.599	40	2	0	0	52.824
Stage 3-	-6.8	31.3	51.512	UL-RL	0.217	4.599	40	3	0	0	54.512
Stage 3-	-6.9	32.75	52.222	UL-RL	0.217	4.599	40	4	0	0	56.222
Stage 3-	-7	34.2	52.952	UL-RL	0.217	4.599	40	5	0	0	57.952
Stage 3-	-7.1	35.65	53.701	UL-RL	0.217	4.599	40	6	0	0	59.701
Stage 3-	-7.2	37.1	54.467	UL-RL	0.217	4.599	40	7	0	0	61.467
Stage 3-	-7.3	38.55	55.249	UL-RL	0.217	4.599	40	8	0	0	63.249
Stage 3-	-7.4	40	56.045	UL-RL	0.217	4.599	40	9	0	0	65.045
Stage 3-	-7.5	41.45	56.853	UL-RL	0.217	4.599	40	10	0	0	66.853
Stage 3-	-7.6	42.9	57.671	UL-RL	0.217	4.599	40	11	0	0	68.671
Stage 3-	-7.7	44.35	58.497	UL-RL	0.217	4.599	40	12	0	0	70.497
Stage 3-	-7.8	45.8	59.33	UL-RL	0.217	4.599	40	13	0	0	72.33
Stage 3-	-7.9	47.25	60.168	UL-RL	0.217	4.599	40	14	0	0	74.168
Stage 3-	-8	48.7	61.009	UL-RL	0.217	4.599	40	15	0	0	76.009
Stage 3-	-8.1	50.15	61.854	UL-RL	0.217	4.599	40	16	0	0	77.854
Stage 3-	-8.2	51.6	62.699	UL-RL	0.217	4.599	40	17	0	0	79.699
Stage 3-	-8.3	53.05	63.545	UL-RL	0.217	4.599	40	18	0	0	81.545
Stage 3-	-8.4	54.5	64.39	UL-RL	0.217	4.599	40	19	0	0	83.39
Stage 3-	-8.5	55.95	65.235	UL-RL	0.217	4.599	40	20	0	0	85.235
Stage 3-	-8.6	57.4	66.077	UL-RL	0.217	4.599	40	21	0	0	87.077
Stage 3-	-8.7	58.85	66.917	UL-RL	0.217	4.599	40	22	0	0	88.917
Stage 3-	-8.8	60.3	67.754	UL-RL	0.217	4.599	40	23	0	0	90.754
Stage 3-	-8.9	61.75	68.588	UL-RL	0.217	4.599	40	24	0	0	92.588
Stage 3-	-9	63.2	69.419	UL-RL	0.217	4.599	40	25	0	0	94.419
Stage 3-	-9.1	64.65	70.247	UL-RL	0.217	4.599	40	26	0	0	96.247
Stage 3-	-9.2	66.1	71.071	UL-RL	0.217	4.599	40	27	0	0	98.071
Stage 3-	-9.3	67.55	71.891	UL-RL	0.217	4.599	40	28	0	0	99.891
Stage 3-	-9.4	69	72.708	UL-RL	0.217	4.599	40	29	0	0	101.708
Stage 3-	-9.5	70.45	73.522	UL-RL	0.217	4.599	40	30	0	0	103.522
Stage 3-	-9.6	71.9	74.333	UL-RL	0.217	4.599	40	31	0	0	105.333
Stage 3-	-9.7	73.35	75.141	UL-RL	0.217	4.599	40	32	0	0	107.141
Stage 3-	-9.8	74.8	75.946	UL-RL	0.217	4.599	40	33	0	0	108.946
Stage 3-	-9.9	76.25	76.749	UL-RL	0.217	4.599	40	34	0	0	110.749
Stage 3-	-10	77.7	77.549	UL-RL	0.217	4.599	40	35	0	0	112.549

Grafico Risultati Terreno Sigma V









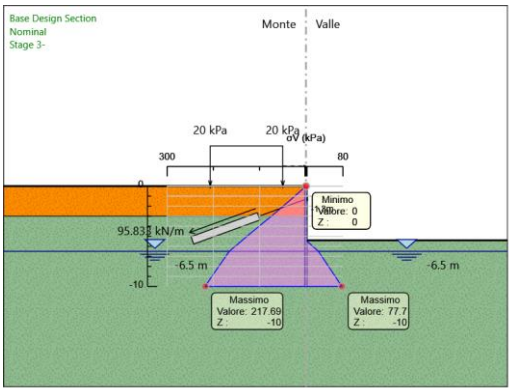
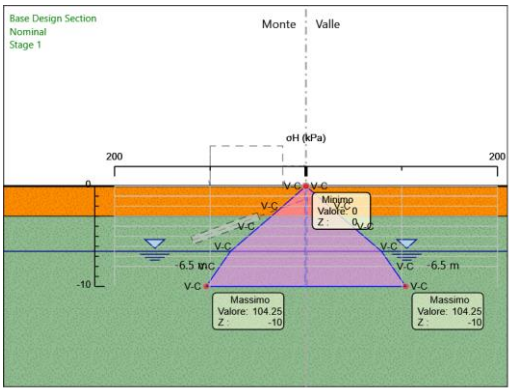
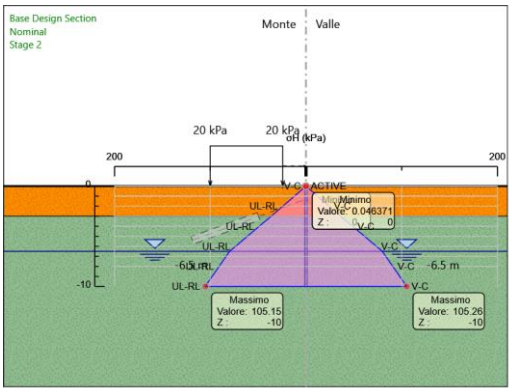
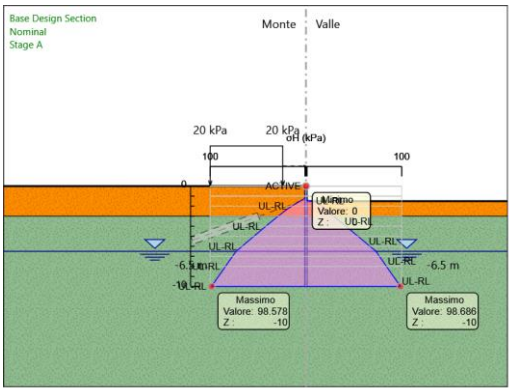
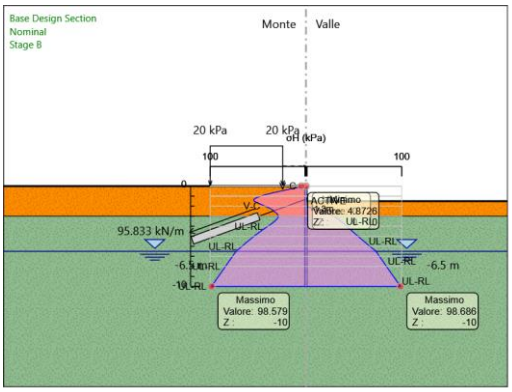


Grafico Risultati Terreno Sigma H









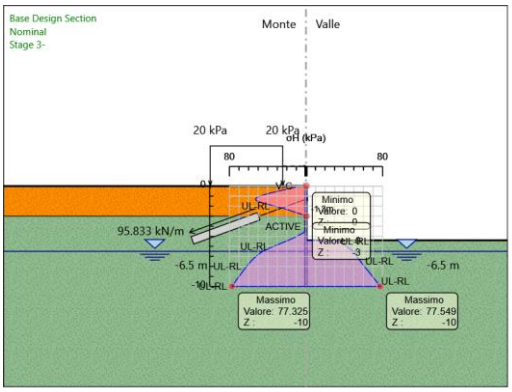
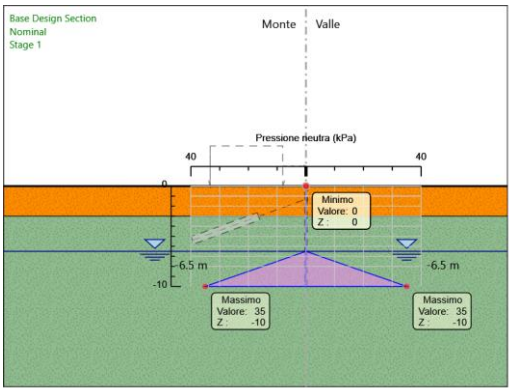
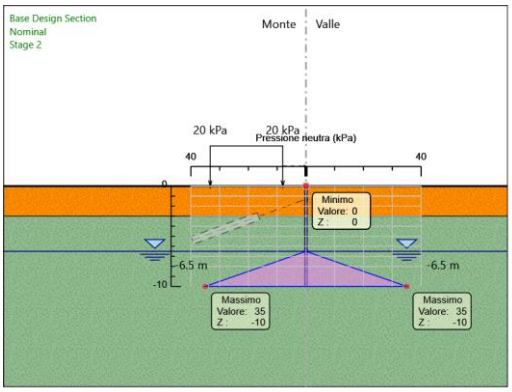
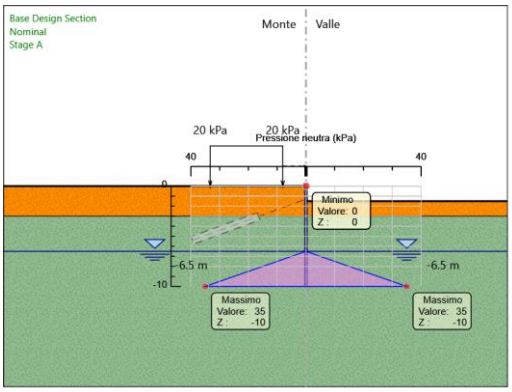
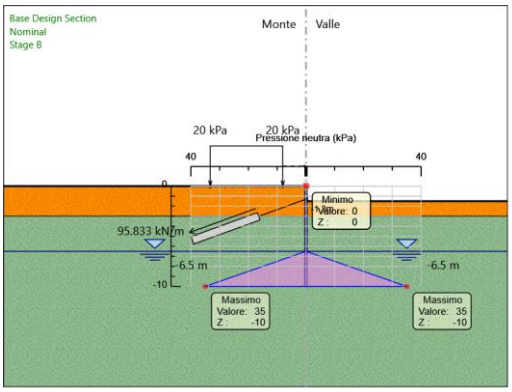


Grafico Risultati Terreno Pore









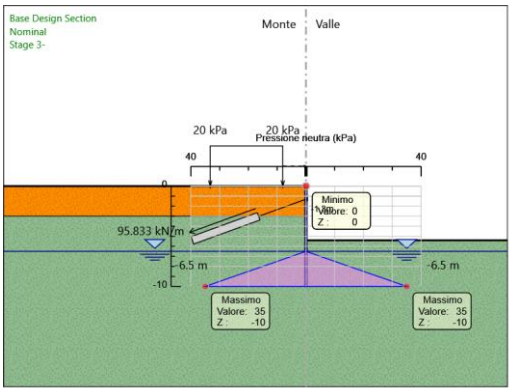
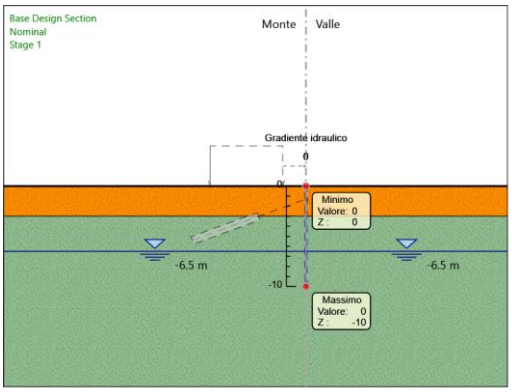
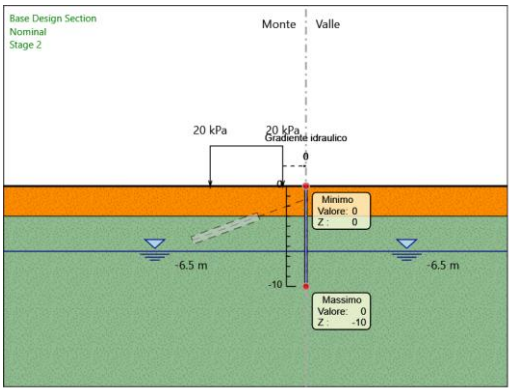
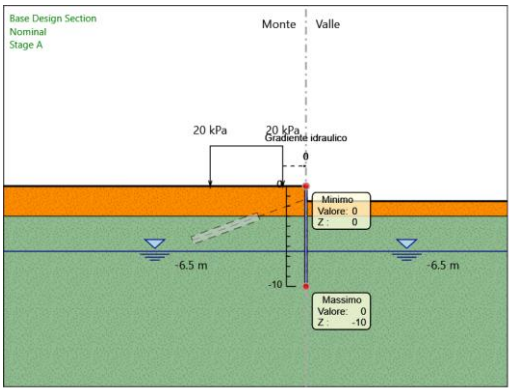
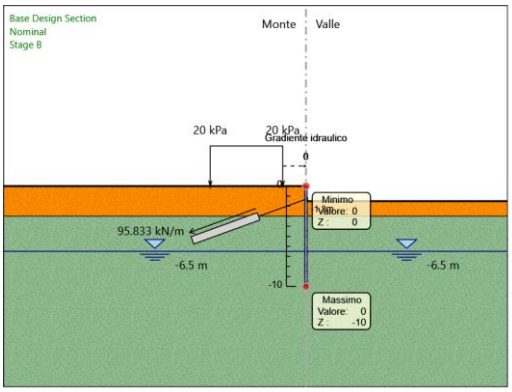


Grafico Risultati Terreno Gradiente









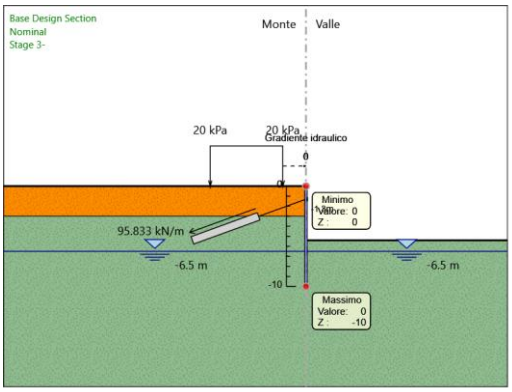
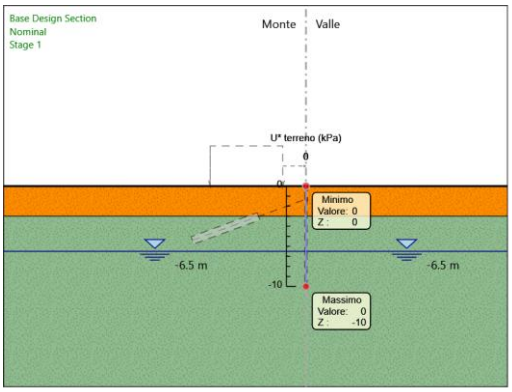
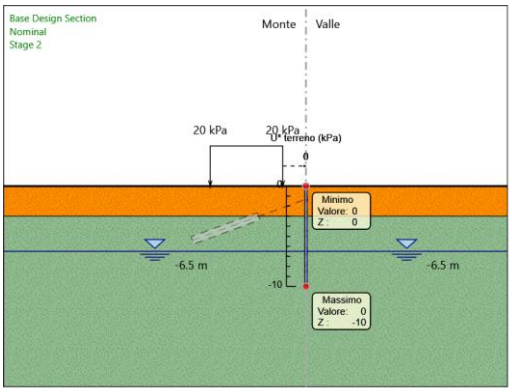
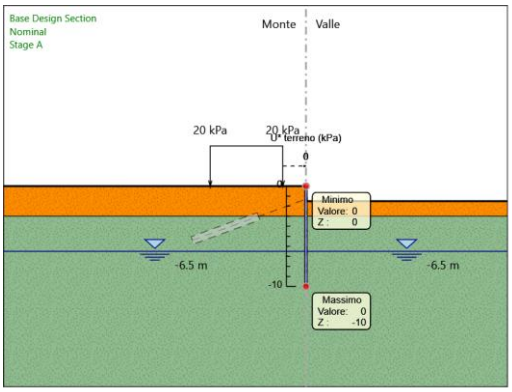
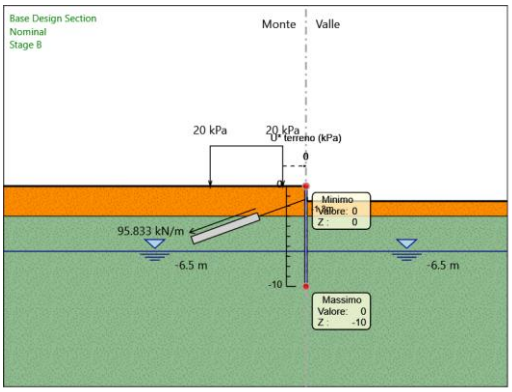


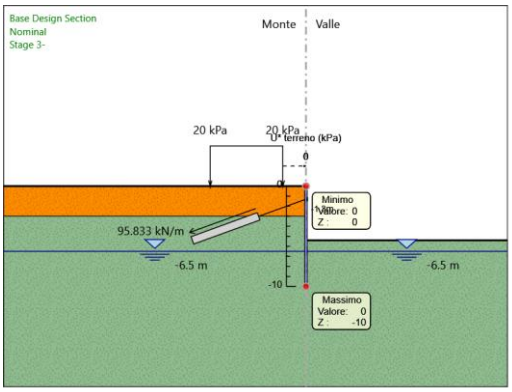
Grafico Risultati Terreno U*











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	575.5	61.2	636.7	10.1	7074.5	8.13%	56.98
Stage 2	581.3	61.2	642.5	15.7	7322.9	7.94%	37.03
Stage A	508.4	61.2	569.7	15.7	7322.9	6.94%	32.38
Stage B	587.2	61.2	648.5	15.7	7322.9	8.02%	37.4
Stage 3-	354.8	61.2	416	15.7	7322.9	4.85%	22.6

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	575.5	61.2	636.7	10.1	7074.5	8.13%	56.98
Stage 2	581.3	61.2	642.5	10.1	7074.5	8.22%	57.55
Stage A	508.4	61.2	569.7	0	5263.2	9.66%	∞
Stage B	497.2	61.2	558.4	0	5263.2	9.45%	∞
Stage 3-	264.7	61.2	325.9	0	1691	15.65%	∞

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

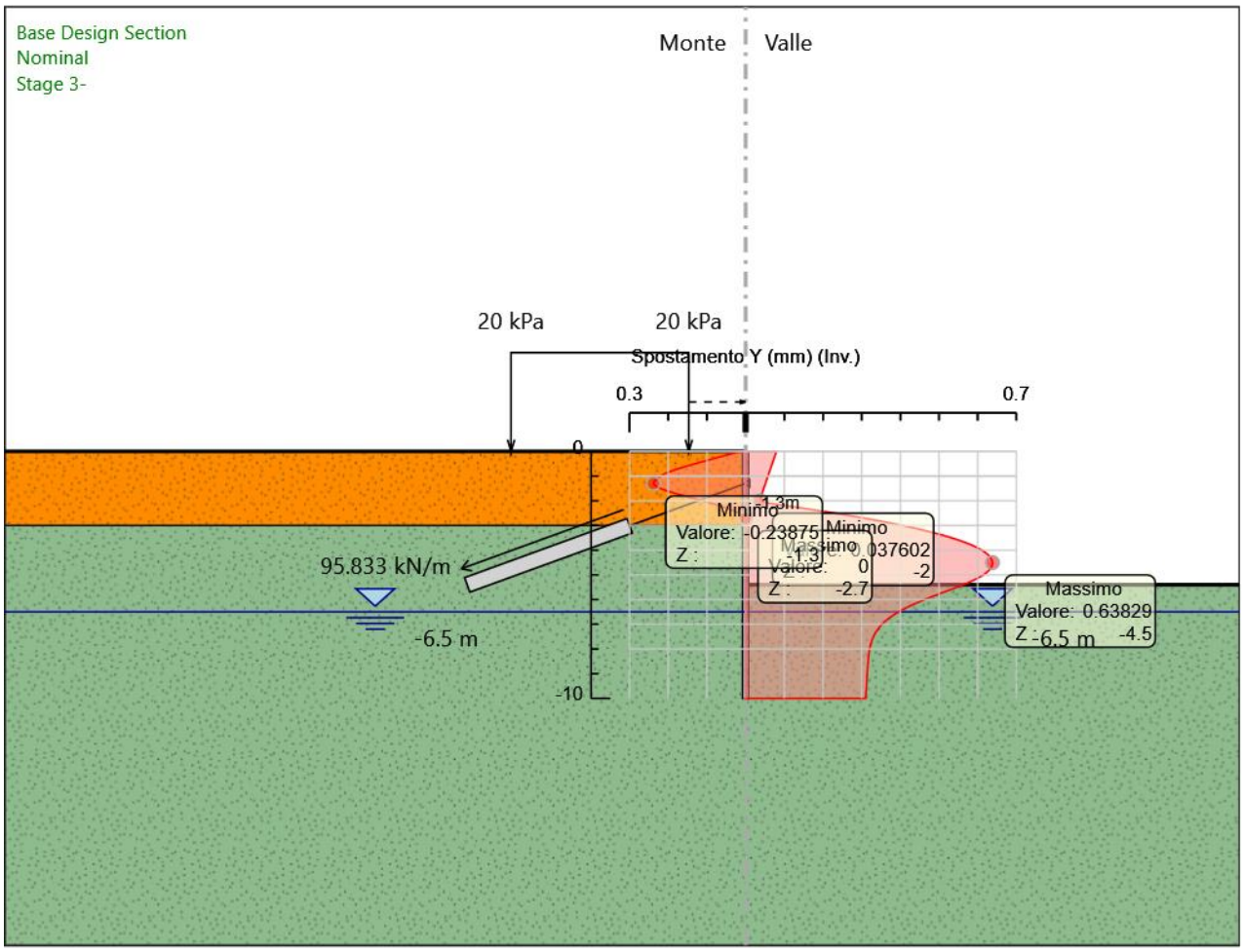
Riepilogo Stage / Design Assumption per Inviluppo

Design Assumption	Stage 1	Stage 2	Stage A	Stage B	Stage 3-
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	V	V	V	V	V

Design Assumption	Stage 1	Stage 2	Stage A	Stage B	Stage 3-
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



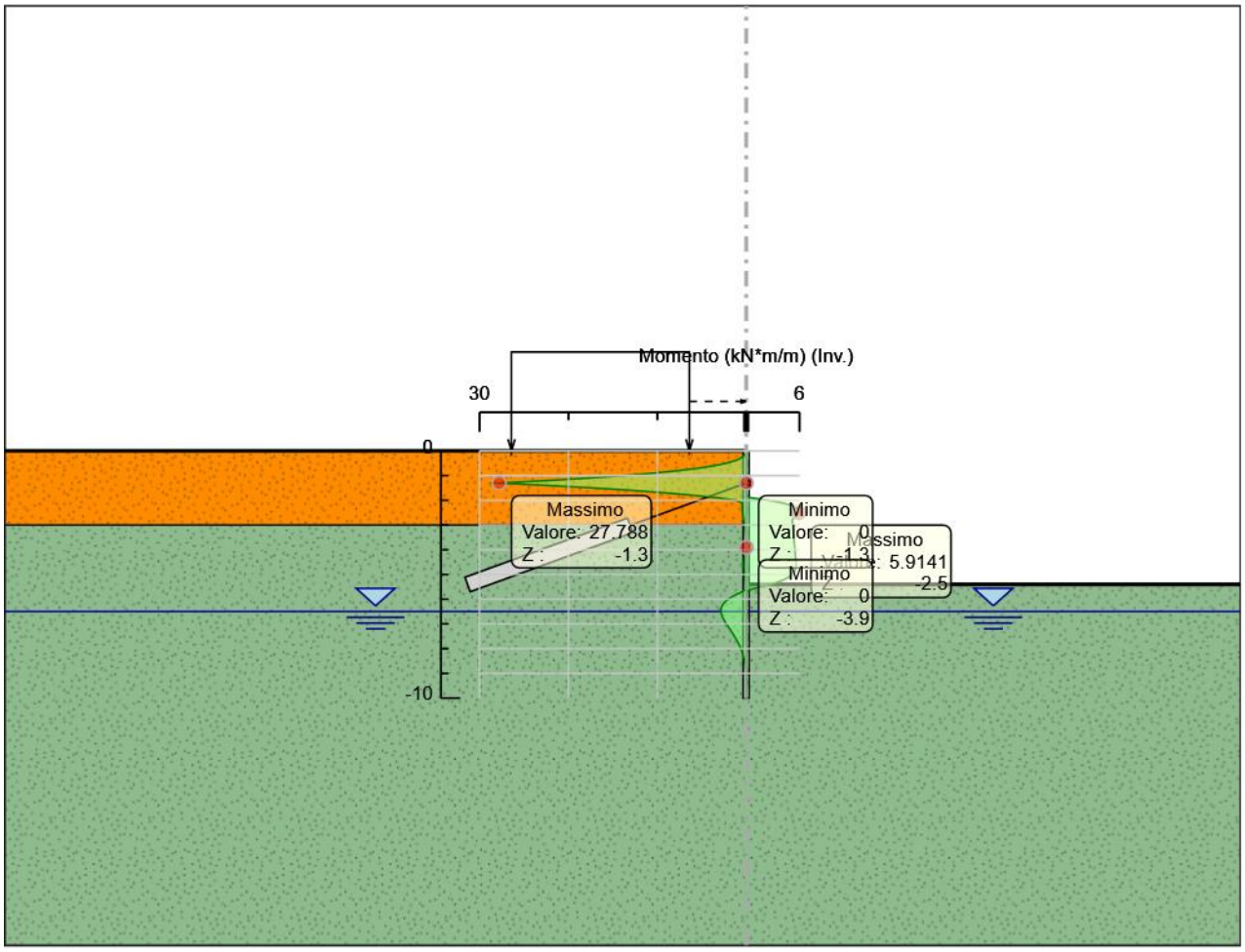
Spostamento

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	0.057	0
-0.2	0.251	0
-0.3	0.641	0
-0.4	1.287	0
-0.5	2.249	0
-0.6	3.586	0
-0.7	5.356	0
-0.8	7.612	0
-0.9	10.408	0
-1	13.789	0
-1.1	17.795	0
-1.2	22.454	0
-1.3	27.788	0
-1.4	22.094	0
-1.5	17.079	0
-1.6	12.719	0
-1.7	8.978	0
-1.8	5.815	0
-1.9	3.178	0.537
-2	1.132	2.561
-2.1	0.489	4.033
-2.2	0.477	5.03
-2.3	0.453	5.63
-2.4	0.423	5.904
-2.5	0.387	5.914
-2.6	0.349	5.717
-2.7	0.31	5.359
-2.8	0.272	5.164
-2.9	0.234	5.215
-3	0.198	5.239
-3.1	0.164	5.263
-3.2	0.132	5.287
-3.3	0.103	5.311
-3.4	0.077	5.335
-3.5	0.055	5.359
-3.6	0.035	5.383
-3.7	0.02	5.407
-3.8	0.007	5.431
-3.9	0	5.455
-4	0	5.48
-4.1	0.019	5.504
-4.2	0.111	5.528
-4.3	0.177	5.552
-4.4	0.219	5.576
-4.5	0.242	5.6
-4.6	0.251	5.614
-4.7	0.248	5.599
-4.8	0.236	5.535
-4.9	0.218	5.399
-5	0.198	5.167
-5.1	0.175	4.812
-5.2	0.151	4.307
-5.3	0.127	3.623
-5.4	0.105	2.729
-5.5	0.084	1.593
-5.6	0.066	0.592
-5.7	0.432	0.01
-5.8	1.073	0.009

Selected Design Assumptions	Inviluppi: Momento	Muro: paratia sx
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-5.9	1.588	0.009
-6	2.018	0.008
-6.1	2.36	0.008
-6.2	2.601	0.007
-6.3	2.753	0.007
-6.4	2.828	0.008
-6.5	2.835	0.011
-6.6	2.786	0.012
-6.7	2.691	0.014
-6.8	2.563	0.014
-6.9	2.409	0.013
-7	2.238	0.013
-7.1	2.056	0.012
-7.2	1.87	0.012
-7.3	1.683	0.011
-7.4	1.5	0.009
-7.5	1.324	0.008
-7.6	1.156	0.007
-7.7	1	0.006
-7.8	0.855	0.006
-7.9	0.722	0.006
-8	0.602	0.006
-8.1	0.495	0.006
-8.2	0.4	0.006
-8.3	0.317	0.006
-8.4	0.246	0.007
-8.5	0.185	0.008
-8.6	0.134	0.009
-8.7	0.092	0.01
-8.8	0.058	0.011
-8.9	0.031	0.012
-9	0.011	0.013
-9.1	0	0.014
-9.2	0	0.016
-9.3	0	0.021
-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



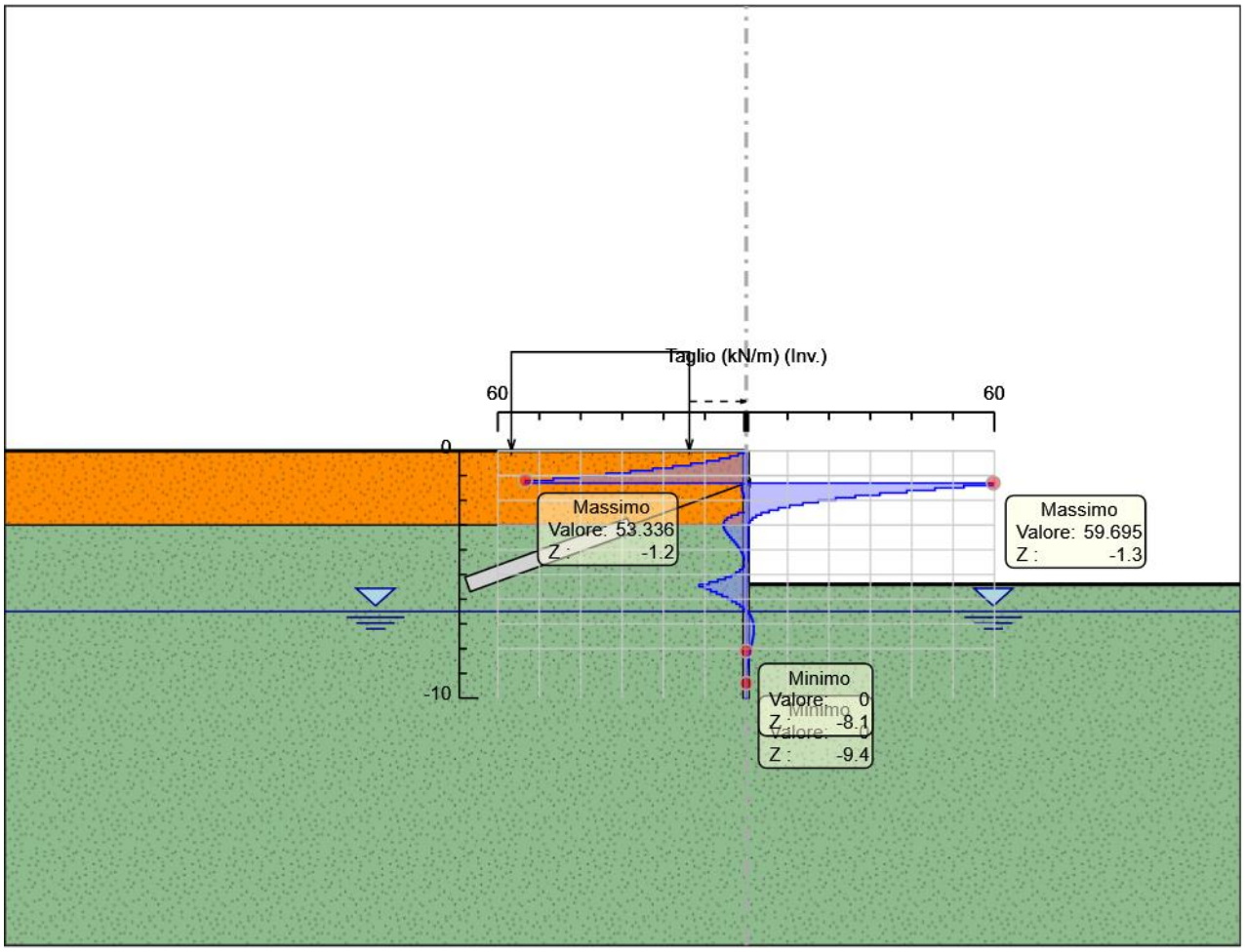
Momento

Tabella Inviluppi Taglio paratia sx

Selected Design Assumptions	Inviluppi: Taglio	Muro: paratia sx
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
0	0.574	0
-0.1	1.935	0
-0.2	3.898	0
-0.3	6.462	0
-0.4	9.622	0
-0.5	13.371	0
-0.6	17.694	0
-0.7	22.569	0
-0.8	27.959	0
-0.9	33.811	0
-1	40.055	0
-1.1	46.593	0
-1.2	53.336	0.001
-1.3	53.336	59.695
-1.4	1.021	59.695
-1.5	1.147	52.599
-1.6	1.147	45.603
-1.7	0.913	38.812
-1.8	0.651	32.299
-1.9	0.405	26.363
-2	0.191	21.609
-2.1	0.013	17.386
-2.2	0.006	13.687
-2.3	0.009	10.495
-2.4	0.011	7.781
-2.5	1.972	5.514
-2.6	3.577	3.654
-2.7	4.643	2.415
-2.8	5.267	1.523
-2.9	5.536	0.932
-3	5.536	0.596
-3.1	5.527	0.476
-3.2	5.323	0.476
-3.3	4.972	0.476
-3.4	4.523	0.476
-3.5	4.031	0.476
-3.6	3.511	0.476
-3.7	3.003	0.476
-3.8	2.51	0.476
-3.9	2.045	0.476
-4	1.63	0.476
-4.1	1.257	0.476
-4.2	0.927	0.476
-4.3	0.652	0.476
-4.4	0.419	0.476
-4.5	0.241	0.37
-4.6	0.252	0.14
-4.7	0.808	0.115
-4.8	1.54	0.176
-4.9	2.473	0.209
-5	3.612	0.23
-5.1	5.044	0.24
-5.2	6.84	0.24
-5.3	8.939	0.234
-5.4	11.364	0.225
-5.5	11.364	0.203
-5.6	10.014	0.182
-5.7	8.572	0.164
-5.8	7.156	0.138

Selected Design Assumptions	Inviluppi: Taglio	Muro: paratia sx
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-5.9	5.809	0.117
-6	4.558	0.1
-6.1	3.426	0.08
-6.2	2.41	0.064
-6.3	1.52	0.046
-6.4	0.743	0.075
-6.5	0.072	0.571
-6.6	0.002	0.965
-6.7	0.004	1.284
-6.8	0.004	1.537
-6.9	0.004	1.713
-7	0.007	1.817
-7.1	0.007	1.867
-7.2	0.011	1.867
-7.3	0.012	1.865
-7.4	0.012	1.829
-7.5	0.011	1.764
-7.6	0.011	1.673
-7.7	0.009	1.567
-7.8	0.004	1.452
-7.9	0.004	1.327
-8	0.001	1.201
-8.1	0.001	1.071
-8.2	0	0.947
-8.3	0	0.829
-8.4	0	0.714
-8.5	0	0.609
-8.6	0	0.509
-8.7	0	0.419
-8.8	0	0.34
-8.9	0	0.266
-9	0	0.203
-9.1	0	0.144
-9.2	0.002	0.095
-9.3	0.01	0.054
-9.4	0.021	0.016
-9.5	0.041	0
-9.6	0.05	0
-9.7	0.05	0
-9.8	0.048	0
-9.9	0.037	0
-10	0.016	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	8.57
NTC2018: A2+M2+R1	Stage 3	Left Wall	RIGHT	18.29

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	781.72
NTC2018: A2+M2+R1	Stage 1	Left Wall	RIGHT	1573.32

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

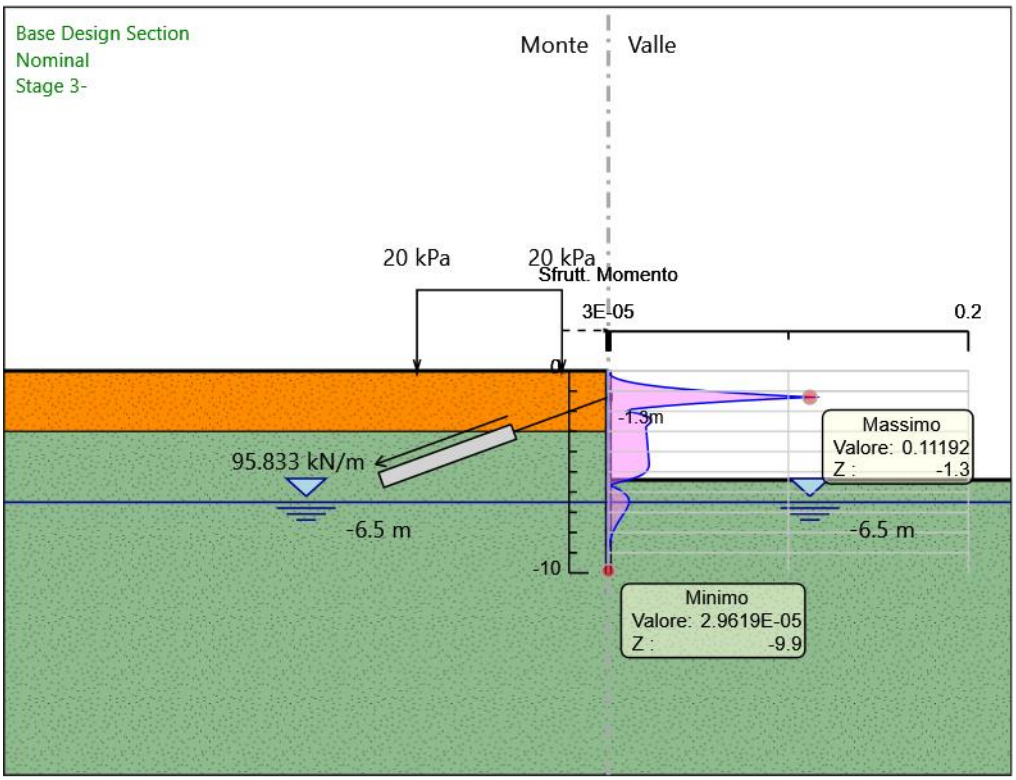
Risultati SteelWorld

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	0.001
-0.3	0.003
-0.4	0.005
-0.5	0.009
-0.6	0.014
-0.7	0.022
-0.8	0.031
-0.9	0.042
-1	0.056
-1.1	0.072
-1.2	0.09
-1.3	0.112
-1.4	0.089
-1.5	0.069
-1.6	0.051
-1.7	0.036
-1.8	0.023
-1.9	0.013
-2	0.01
-2.1	0.016
-2.2	0.02
-2.3	0.023
-2.4	0.024
-2.5	0.024
-2.6	0.023
-2.7	0.022
-2.8	0.021
-2.9	0.021
-3	0.021
-3.1	0.021
-3.2	0.021
-3.3	0.021
-3.4	0.021
-3.5	0.022
-3.6	0.022
-3.7	0.022
-3.8	0.022
-3.9	0.022
-4	0.022
-4.1	0.022
-4.2	0.022
-4.3	0.022
-4.4	0.022
-4.5	0.023
-4.6	0.023
-4.7	0.023
-4.8	0.022
-4.9	0.022
-5	0.021
-5.1	0.019
-5.2	0.017
-5.3	0.015
-5.4	0.011
-5.5	0.006

Inviluppi Tasso di Sfruttamento M-N - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento M-N - SteelWorld
-5.6	0.002
-5.7	0.002
-5.8	0.004
-5.9	0.006
-6	0.008
-6.1	0.01
-6.2	0.01
-6.3	0.011
-6.4	0.011
-6.5	0.011
-6.6	0.011
-6.7	0.011
-6.8	0.01
-6.9	0.01
-7	0.009
-7.1	0.008
-7.2	0.008
-7.3	0.007
-7.4	0.006
-7.5	0.005
-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	0.002
-8.3	0.001
-8.4	0.001
-8.5	0.001
-8.6	0.001
-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



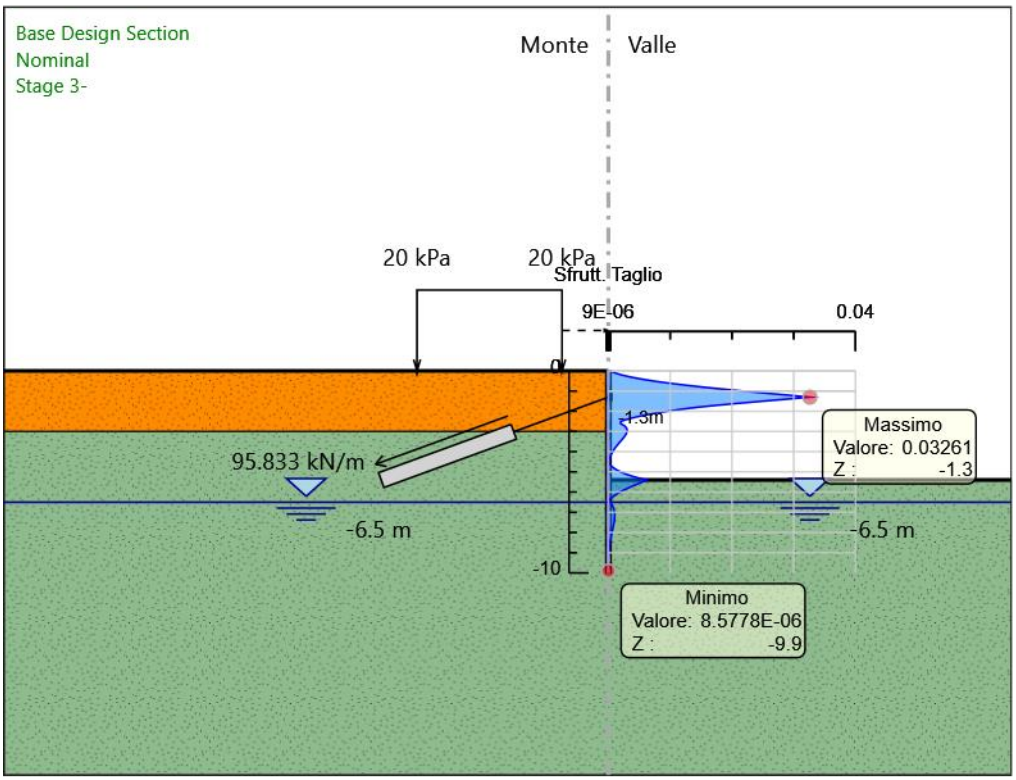
Inviluppi
Tasso di Sfruttamento M-N - SteelWorld

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	0.001
-0.2	0.002
-0.3	0.004
-0.4	0.005
-0.5	0.007
-0.6	0.01
-0.7	0.012
-0.8	0.015
-0.9	0.018
-1	0.022
-1.1	0.025
-1.2	0.029
-1.3	0.033
-1.4	0.029
-1.5	0.025
-1.6	0.021
-1.7	0.018
-1.8	0.014
-1.9	0.012
-2	0.009
-2.1	0.007
-2.2	0.006
-2.3	0.004
-2.4	0.003
-2.5	0.002
-2.6	0.002
-2.7	0.003
-2.8	0.003
-2.9	0.003
-3	0.003
-3.1	0.003
-3.2	0.003
-3.3	0.002
-3.4	0.002
-3.5	0.002
-3.6	0.002
-3.7	0.001
-3.8	0.001
-3.9	0.001
-4	0.001
-4.1	0.001
-4.2	0
-4.3	0
-4.4	0
-4.5	0
-4.6	0
-4.7	0
-4.8	0.001
-4.9	0.001
-5	0.002
-5.1	0.003
-5.2	0.004
-5.3	0.005
-5.4	0.006
-5.5	0.005
-5.6	0.005
-5.7	0.004
-5.8	0.003

Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento a Taglio - SteelWorld
-5.9	0.002
-6	0.002
-6.1	0.001
-6.2	0.001
-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	0.001
-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-	230.116	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	298.99	399.839	605.557	0.748	0.494		
Tieback_New_New_New_New	Stage 3-	299.152	399.839	605.557	0.748	0.494		

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-	230.139	399.839	605.557	0.576	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	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-	95.882	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-	95.882	0	0.323	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	124.579	0	0.42	0.28	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	124.646	0	0.42	0.28	0

Verifiche Travi di Ripartizione NTC2018: A2+M2+R1

Design Assumption: NTC2018: A2+M2+R1 Trave di Ripartizione	Tipo Risultato: Verifiche Travi di Ripartizione Elemento strutturale	NTC2018 (ITA) 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-	95.891	0	0.323	0.215	0

10 ALLEGATO 2: tabulato di calcolo paratia (interasse tiranti 3.6m)

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;-3)
(20;-3)
(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	unità SRa (calcari marnosi alterati litoidi)	24	24	40			45		Constant		150000	240000									
2	unità SR	24.5	24.5	40			40		Constant		150000	240000									

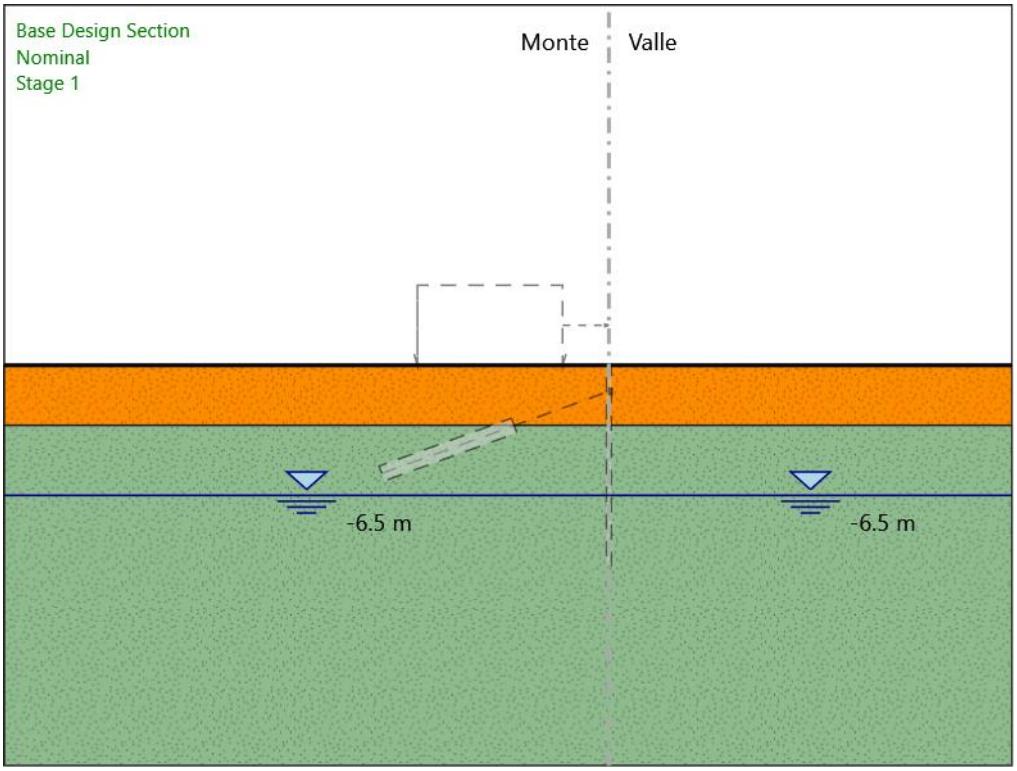
Descrizione Pareti

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)

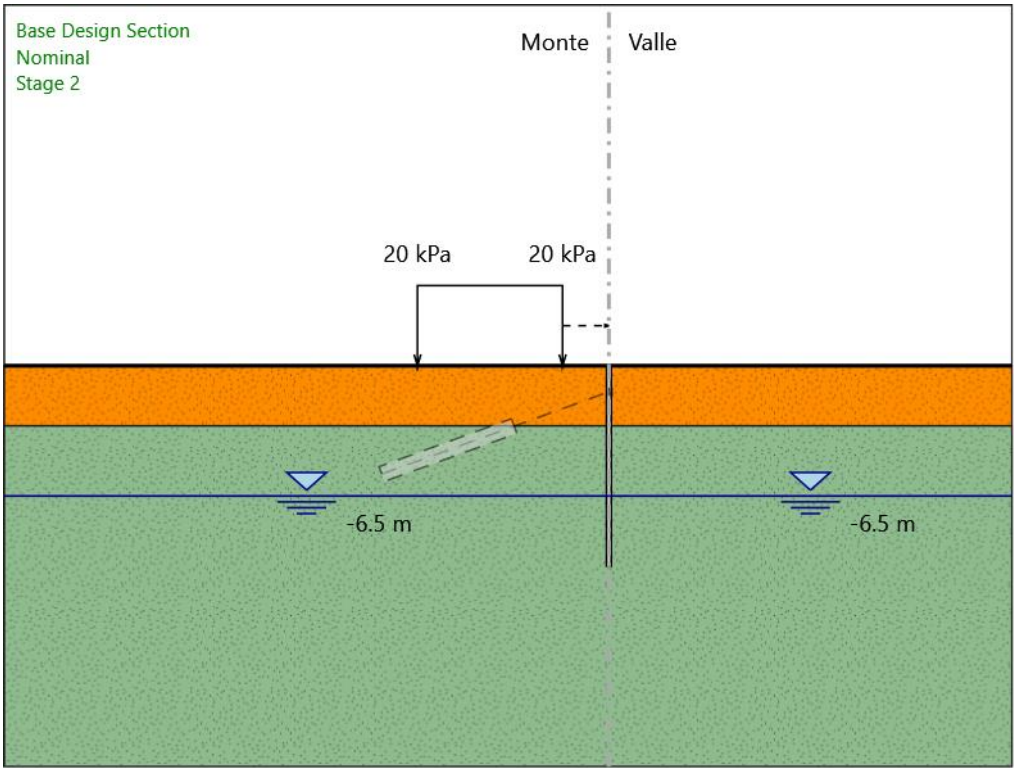
0 m

Falda acquifera

Falda di sinistra : -6.5 m

Falda di destra : -6.5 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 : -6.5 m

Falda di destra : -6.5 m

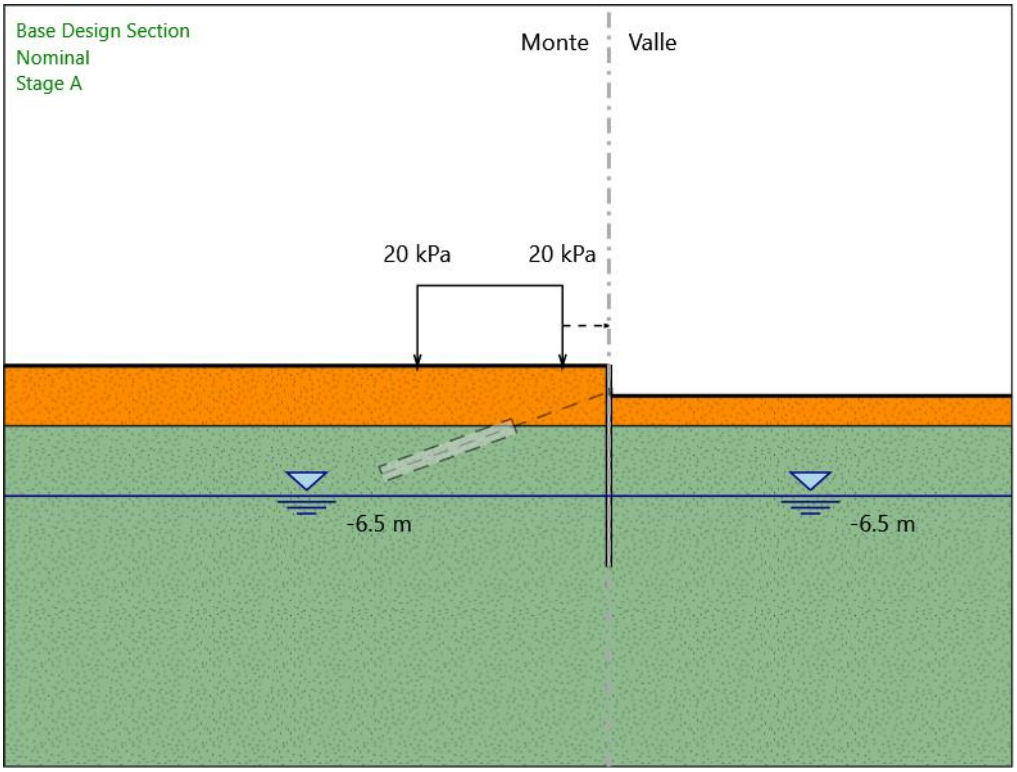
Carichi

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 : -6.5 m

Falda di destra : -6.5 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

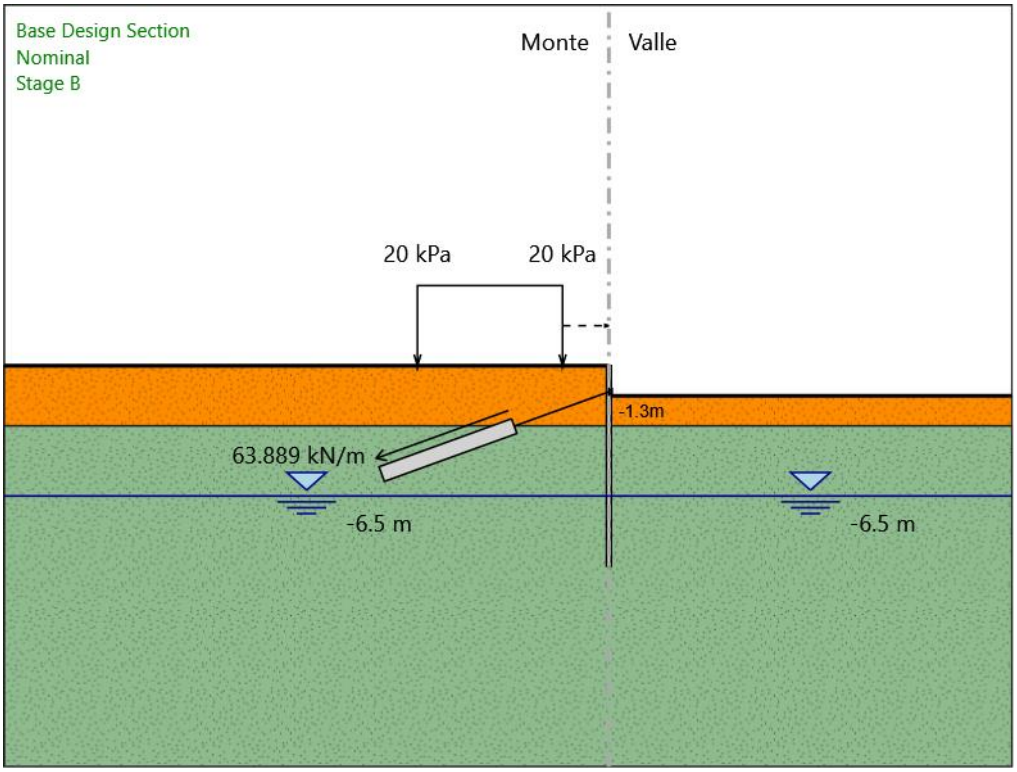
X : 0 m

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 : -6.5 m

Falda di destra : -6.5 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 : 3.6 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

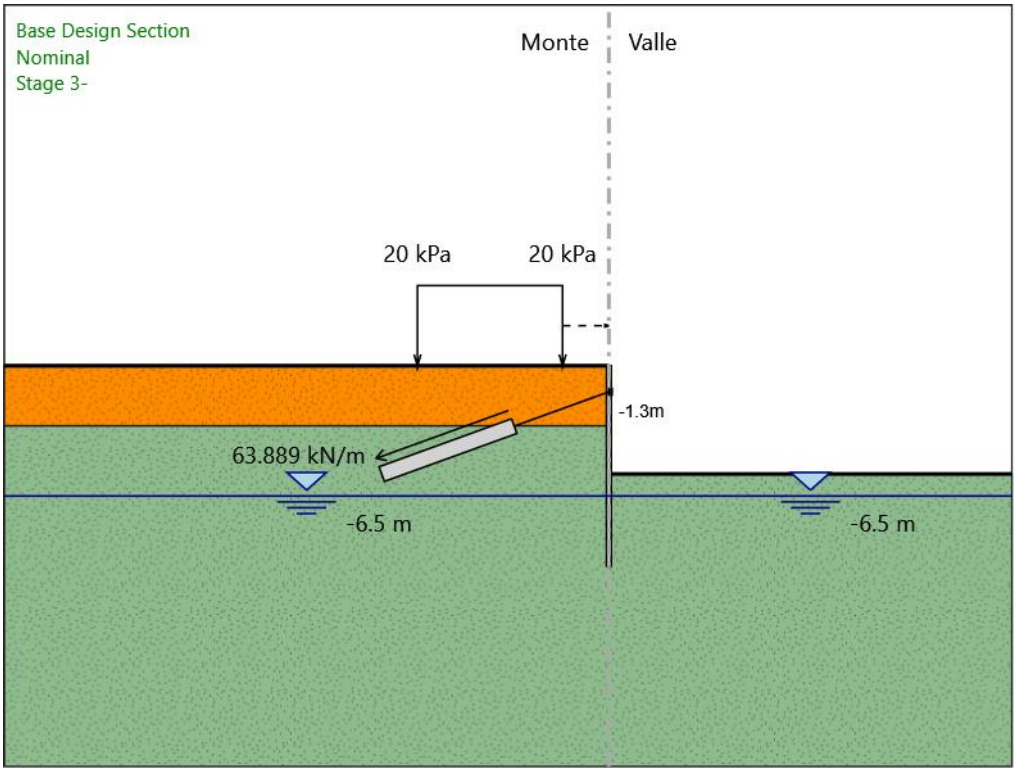
Trave di Ripartizione : Default Waler

Sezione : Waler Section 2 steel

HE 160B

Materiale : S355

Stage 3-



Stage 3-

Scavo

Muro di sinistra

Lato monte : 0 m

Lato valle : -5.4 m

Linea di scavo di sinistra (Orizzontale)

0 m

Linea di scavo di destra (Orizzontale)

-5.4 m

Falda acquifera

Falda di sinistra : -6.5 m

Falda di destra : -6.5 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 : 3.6 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

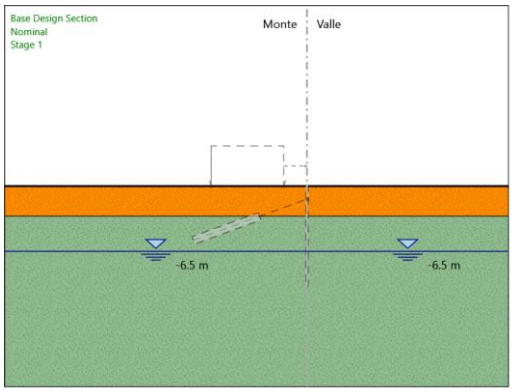
Trave di Ripartizione : Default Waler

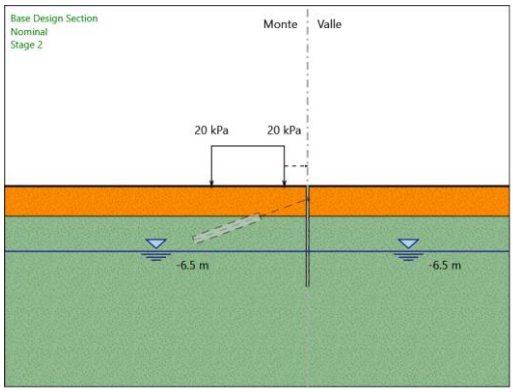
Sezione : Waler Section 2 steel

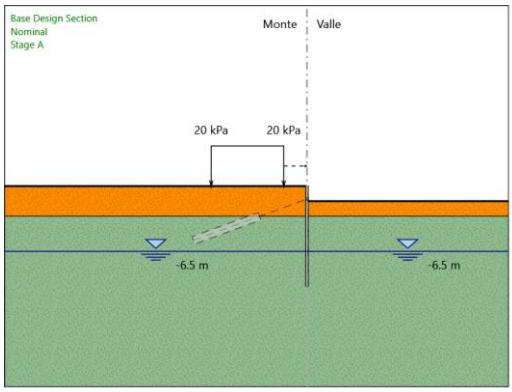
HE 160B

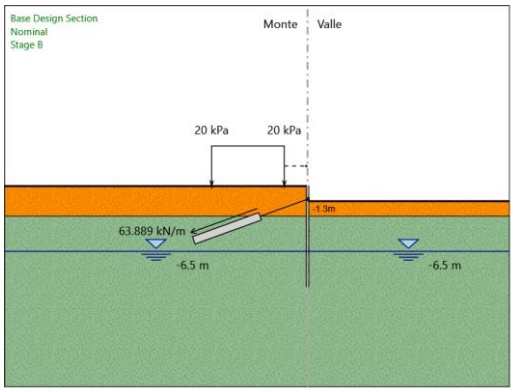
Materiale : S355

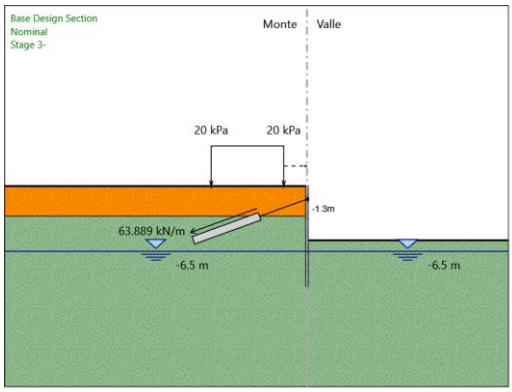
Tabella Configurazione Stage (Nominal)











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

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 1	-5.2	0
Stage 1	-5.3	0
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

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 2	-5.9	0.01
Stage 2	-6	0.01
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	0.08
Stage A	-0.1	0.08
Stage A	-0.2	0.08
Stage A	-0.3	0.07
Stage A	-0.4	0.07
Stage A	-0.5	0.07
Stage A	-0.6	0.07
Stage A	-0.7	0.06
Stage A	-0.8	0.06
Stage A	-0.9	0.06
Stage A	-1	0.06
Stage A	-1.1	0.06
Stage A	-1.2	0.05
Stage A	-1.3	0.05
Stage A	-1.4	0.05
Stage A	-1.5	0.05
Stage A	-1.6	0.04
Stage A	-1.7	0.04
Stage A	-1.8	0.04
Stage A	-1.9	0.04
Stage A	-2	0.04
Stage A	-2.1	0.04
Stage A	-2.2	0.04
Stage A	-2.3	0.03
Stage A	-2.4	0.03
Stage A	-2.5	0.03
Stage A	-2.6	0.03
Stage A	-2.7	0.03
Stage A	-2.8	0.03
Stage A	-2.9	0.03
Stage A	-3	0.03
Stage A	-3.1	0.03
Stage A	-3.2	0.03
Stage A	-3.3	0.03
Stage A	-3.4	0.03
Stage A	-3.5	0.03
Stage A	-3.6	0.03
Stage A	-3.7	0.03
Stage A	-3.8	0.03
Stage A	-3.9	0.03
Stage A	-4	0.03
Stage A	-4.1	0.03
Stage A	-4.2	0.03
Stage A	-4.3	0.03
Stage A	-4.4	0.03
Stage A	-4.5	0.03
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

Design Assumption: Nominal Tipo Risultato: Spostamento		Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage A	-5.9	0.03
Stage A	-6	0.03
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	0.04
Stage A	-8.8	0.04
Stage A	-8.9	0.04
Stage A	-9	0.04
Stage A	-9.1	0.04
Stage A	-9.2	0.04
Stage A	-9.3	0.04
Stage A	-9.4	0.04
Stage A	-9.5	0.04
Stage A	-9.6	0.04
Stage A	-9.7	0.04
Stage A	-9.8	0.04
Stage A	-9.9	0.04
Stage A	-10	0.04

Tabella Spostamento Nominal - LEFT Stage: Stage B

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage B	0	0.07
Stage B	-0.1	0.05
Stage B	-0.2	0.03
Stage B	-0.3	0.01
Stage B	-0.4	-0.01
Stage B	-0.5	-0.02
Stage B	-0.6	-0.04
Stage B	-0.7	-0.06
Stage B	-0.8	-0.08
Stage B	-0.9	-0.1
Stage B	-1	-0.11
Stage B	-1.1	-0.12
Stage B	-1.2	-0.13
Stage B	-1.3	-0.13
Stage B	-1.4	-0.13
Stage B	-1.5	-0.12
Stage B	-1.6	-0.11
Stage B	-1.7	-0.1
Stage B	-1.8	-0.08
Stage B	-1.9	-0.07
Stage B	-2	-0.05
Stage B	-2.1	-0.04
Stage B	-2.2	-0.03
Stage B	-2.3	-0.01
Stage B	-2.4	0
Stage B	-2.5	0.01
Stage B	-2.6	0.01
Stage B	-2.7	0.02
Stage B	-2.8	0.03
Stage B	-2.9	0.03
Stage B	-3	0.03
Stage B	-3.1	0.03
Stage B	-3.2	0.04
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	0.04
Stage B	-4.2	0.04
Stage B	-4.3	0.04
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

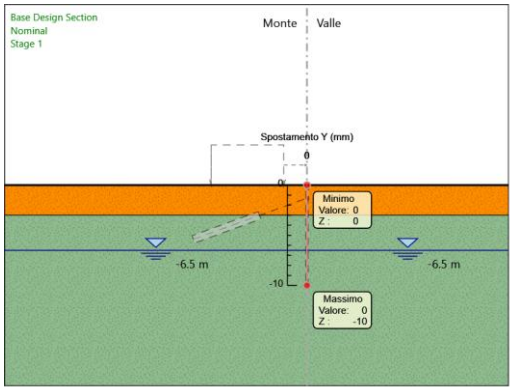
Design Assumption: Nominal Tipo Risultato: Spostamento		Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage B	-5.9	0.03
Stage B	-6	0.03
Stage B	-6.1	0.03
Stage B	-6.2	0.03
Stage B	-6.3	0.03
Stage B	-6.4	0.03
Stage B	-6.5	0.03
Stage B	-6.6	0.03
Stage B	-6.7	0.03
Stage B	-6.8	0.03
Stage B	-6.9	0.03
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	0.04
Stage B	-8.8	0.04
Stage B	-8.9	0.04
Stage B	-9	0.04
Stage B	-9.1	0.04
Stage B	-9.2	0.04
Stage B	-9.3	0.04
Stage B	-9.4	0.04
Stage B	-9.5	0.04
Stage B	-9.6	0.04
Stage B	-9.7	0.04
Stage B	-9.8	0.04
Stage B	-9.9	0.04
Stage B	-10	0.04

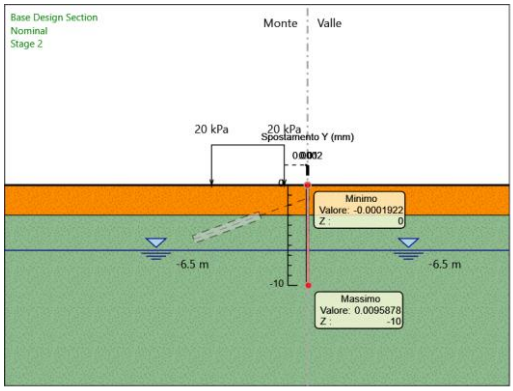
Tabella Spostamento Nominal - LEFT Stage: Stage 3-

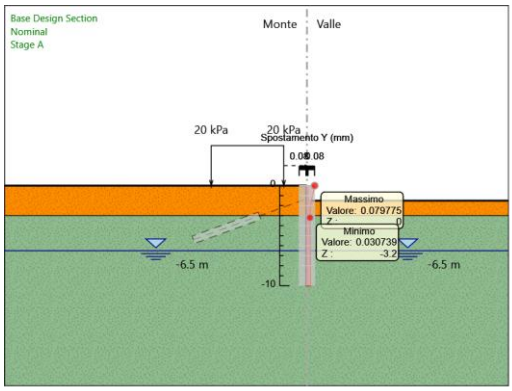
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-	0	-0.01
Stage 3-	-0.1	-0.02
Stage 3-	-0.2	-0.04
Stage 3-	-0.3	-0.05
Stage 3-	-0.4	-0.06
Stage 3-	-0.5	-0.07
Stage 3-	-0.6	-0.08
Stage 3-	-0.7	-0.09
Stage 3-	-0.8	-0.1
Stage 3-	-0.9	-0.11
Stage 3-	-1	-0.11
Stage 3-	-1.1	-0.11
Stage 3-	-1.2	-0.11
Stage 3-	-1.3	-0.1
Stage 3-	-1.4	-0.08
Stage 3-	-1.5	-0.06
Stage 3-	-1.6	-0.03
Stage 3-	-1.7	0
Stage 3-	-1.8	0.03
Stage 3-	-1.9	0.06
Stage 3-	-2	0.1
Stage 3-	-2.1	0.13
Stage 3-	-2.2	0.17
Stage 3-	-2.3	0.2
Stage 3-	-2.4	0.23
Stage 3-	-2.5	0.27
Stage 3-	-2.6	0.3
Stage 3-	-2.7	0.33
Stage 3-	-2.8	0.36
Stage 3-	-2.9	0.39
Stage 3-	-3	0.41
Stage 3-	-3.1	0.44
Stage 3-	-3.2	0.46
Stage 3-	-3.3	0.49
Stage 3-	-3.4	0.51
Stage 3-	-3.5	0.53
Stage 3-	-3.6	0.54
Stage 3-	-3.7	0.56
Stage 3-	-3.8	0.58
Stage 3-	-3.9	0.59
Stage 3-	-4	0.6
Stage 3-	-4.1	0.61
Stage 3-	-4.2	0.62
Stage 3-	-4.3	0.62
Stage 3-	-4.4	0.63
Stage 3-	-4.5	0.63
Stage 3-	-4.6	0.63
Stage 3-	-4.7	0.63
Stage 3-	-4.8	0.62
Stage 3-	-4.9	0.62
Stage 3-	-5	0.61
Stage 3-	-5.1	0.6
Stage 3-	-5.2	0.59
Stage 3-	-5.3	0.57
Stage 3-	-5.4	0.56
Stage 3-	-5.5	0.54
Stage 3-	-5.6	0.53
Stage 3-	-5.7	0.51
Stage 3-	-5.8	0.49

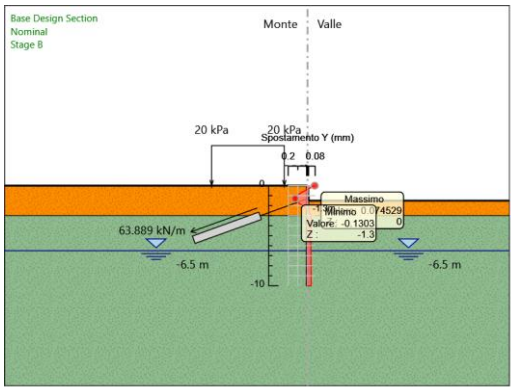
Design Assumption: Nominal Tipo Risultato: Spostamento		Muro: LEFT
Stage	Z (m)	Spostamento orizzontale (mm)
Stage 3-	-5.9	0.48
Stage 3-	-6	0.46
Stage 3-	-6.1	0.45
Stage 3-	-6.2	0.43
Stage 3-	-6.3	0.42
Stage 3-	-6.4	0.41
Stage 3-	-6.5	0.4
Stage 3-	-6.6	0.38
Stage 3-	-6.7	0.38
Stage 3-	-6.8	0.37
Stage 3-	-6.9	0.36
Stage 3-	-7	0.35
Stage 3-	-7.1	0.35
Stage 3-	-7.2	0.34
Stage 3-	-7.3	0.34
Stage 3-	-7.4	0.33
Stage 3-	-7.5	0.33
Stage 3-	-7.6	0.33
Stage 3-	-7.7	0.33
Stage 3-	-7.8	0.32
Stage 3-	-7.9	0.32
Stage 3-	-8	0.32
Stage 3-	-8.1	0.32
Stage 3-	-8.2	0.32
Stage 3-	-8.3	0.32
Stage 3-	-8.4	0.32
Stage 3-	-8.5	0.32
Stage 3-	-8.6	0.32
Stage 3-	-8.7	0.32
Stage 3-	-8.8	0.32
Stage 3-	-8.9	0.31
Stage 3-	-9	0.31
Stage 3-	-9.1	0.31
Stage 3-	-9.2	0.31
Stage 3-	-9.3	0.31
Stage 3-	-9.4	0.31
Stage 3-	-9.5	0.31
Stage 3-	-9.6	0.31
Stage 3-	-9.7	0.31
Stage 3-	-9.8	0.31
Stage 3-	-9.9	0.31
Stage 3-	-10	0.31

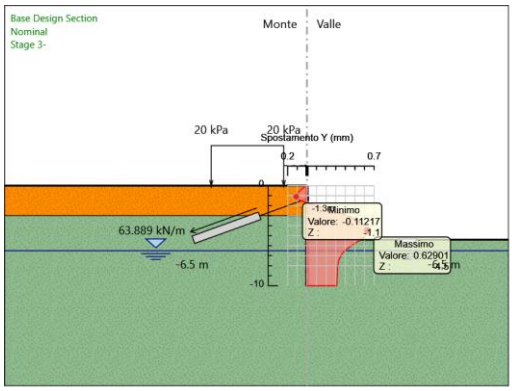
Grafici Spostamento in tabella











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

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-5.3	0	0
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	-0.2	0	-0.01
Stage 2	-0.3	0	-0.01
Stage 2	-0.4	0	-0.02
Stage 2	-0.5	-0.01	-0.02
Stage 2	-0.6	-0.01	-0.02
Stage 2	-0.7	-0.01	-0.02
Stage 2	-0.8	-0.01	-0.01
Stage 2	-0.9	-0.01	-0.01
Stage 2	-1	-0.01	-0.01
Stage 2	-1.1	-0.01	0
Stage 2	-1.2	-0.01	0
Stage 2	-1.3	-0.01	0
Stage 2	-1.4	-0.01	0
Stage 2	-1.5	-0.01	0
Stage 2	-1.6	-0.01	0
Stage 2	-1.7	-0.01	0
Stage 2	-1.8	-0.01	0
Stage 2	-1.9	-0.01	0
Stage 2	-2	-0.01	0
Stage 2	-2.1	-0.01	0
Stage 2	-2.2	-0.01	0
Stage 2	-2.3	-0.01	0
Stage 2	-2.4	-0.01	-0.01
Stage 2	-2.5	-0.01	-0.01
Stage 2	-2.6	-0.01	-0.01
Stage 2	-2.7	-0.01	-0.01
Stage 2	-2.8	-0.01	0
Stage 2	-2.9	-0.01	0
Stage 2	-3	-0.01	0.01
Stage 2	-3.1	-0.01	0.02
Stage 2	-3.2	-0.01	0.02
Stage 2	-3.3	-0.01	0.03
Stage 2	-3.4	0	0.03
Stage 2	-3.5	0	0.03
Stage 2	-3.6	0	0.03
Stage 2	-3.7	0.01	0.02
Stage 2	-3.8	0.01	0.02
Stage 2	-3.9	0.01	0.02
Stage 2	-4	0.01	0.01
Stage 2	-4.1	0.01	0.01
Stage 2	-4.2	0.01	0.01
Stage 2	-4.3	0.01	0
Stage 2	-4.4	0.01	0
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
Stage 2	-5.8	0.01	-0.01

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	-5.9	0.01	-0.01
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	0
Stage A	-0.2	0	0
Stage A	-0.3	0	0
Stage A	-0.4	0	0
Stage A	-0.5	0	0
Stage A	-0.6	0	0
Stage A	-0.7	0	0
Stage A	-0.8	0	0
Stage A	-0.9	0	0
Stage A	-1	0	0
Stage A	-1.1	0	0
Stage A	-1.2	0	0
Stage A	-1.3	-0.01	-0.08
Stage A	-1.4	-0.04	-0.34
Stage A	-1.5	-0.12	-0.78
Stage A	-1.6	-0.21	-0.88
Stage A	-1.7	-0.28	-0.7
Stage A	-1.8	-0.33	-0.5
Stage A	-1.9	-0.36	-0.31
Stage A	-2	-0.37	-0.15
Stage A	-2.1	-0.38	-0.01
Stage A	-2.2	-0.37	0.1
Stage A	-2.3	-0.35	0.18
Stage A	-2.4	-0.32	0.24
Stage A	-2.5	-0.3	0.27
Stage A	-2.6	-0.27	0.29
Stage A	-2.7	-0.24	0.3
Stage A	-2.8	-0.21	0.3
Stage A	-2.9	-0.18	0.29
Stage A	-3	-0.15	0.28
Stage A	-3.1	-0.12	0.26
Stage A	-3.2	-0.1	0.24
Stage A	-3.3	-0.08	0.22
Stage A	-3.4	-0.06	0.2
Stage A	-3.5	-0.04	0.17
Stage A	-3.6	-0.03	0.15
Stage A	-3.7	-0.02	0.12
Stage A	-3.8	-0.01	0.09
Stage A	-3.9	0	0.08
Stage A	-4	0.01	0.05
Stage A	-4.1	0.01	0.04
Stage A	-4.2	0.01	0.03
Stage A	-4.3	0.02	0.02
Stage A	-4.4	0.02	0.01
Stage A	-4.5	0.02	0
Stage A	-4.6	0.02	0
Stage A	-4.7	0.02	-0.01
Stage A	-4.8	0.01	-0.01
Stage A	-4.9	0.01	-0.01
Stage A	-5	0.01	-0.01
Stage A	-5.1	0.01	-0.01
Stage A	-5.2	0.01	-0.01
Stage A	-5.3	0.01	-0.01
Stage A	-5.4	0.01	-0.01
Stage A	-5.5	0.01	-0.01
Stage A	-5.6	0	-0.01

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage A	-5.7	0	-0.01
Stage A	-5.8	0	-0.01
Stage A	-5.9	0	-0.01
Stage A	-6	0	0
Stage A	-6.1	0	0
Stage A	-6.2	0	0
Stage A	-6.3	0	0
Stage A	-6.4	0	0
Stage A	-6.5	0	0
Stage A	-6.6	0	0
Stage A	-6.7	0	0
Stage A	-6.8	0	0
Stage A	-6.9	0	0
Stage A	-7	0	0
Stage A	-7.1	0	0
Stage A	-7.2	0	0
Stage A	-7.3	0	0
Stage A	-7.4	0	0
Stage A	-7.5	0	0
Stage A	-7.6	0	0
Stage A	-7.7	0	0
Stage A	-7.8	0	0
Stage A	-7.9	0	0
Stage A	-8	0	0
Stage A	-8.1	0	0
Stage A	-8.2	0	0
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	-0.14
Stage B	-0.1	-0.01	-0.14
Stage B	-0.2	-0.07	-0.56
Stage B	-0.3	-0.2	-1.31
Stage B	-0.4	-0.44	-2.38
Stage B	-0.5	-0.82	-3.79
Stage B	-0.6	-1.37	-5.52
Stage B	-0.7	-2.13	-7.56
Stage B	-0.8	-3.12	-9.92
Stage B	-0.9	-4.37	-12.57
Stage B	-1	-5.92	-15.48
Stage B	-1.1	-7.79	-18.63
Stage B	-1.2	-9.98	-21.97
Stage B	-1.3	-12.53	-25.48
Stage B	-1.4	-9.44	30.88
Stage B	-1.5	-6.73	27.12
Stage B	-1.6	-4.39	23.37
Stage B	-1.7	-2.43	19.67
Stage B	-1.8	-0.82	16.05
Stage B	-1.9	0.43	12.54
Stage B	-2	1.37	9.43
Stage B	-2.1	2.05	6.75
Stage B	-2.2	2.5	4.47
Stage B	-2.3	2.75	2.56
Stage B	-2.4	2.85	0.98
Stage B	-2.5	2.82	-0.31
Stage B	-2.6	2.69	-1.28
Stage B	-2.7	2.5	-1.95
Stage B	-2.8	2.26	-2.38
Stage B	-2.9	2	-2.61
Stage B	-3	1.73	-2.69
Stage B	-3.1	1.47	-2.64
Stage B	-3.2	1.21	-2.51
Stage B	-3.3	0.98	-2.32
Stage B	-3.4	0.77	-2.09
Stage B	-3.5	0.59	-1.84
Stage B	-3.6	0.43	-1.59
Stage B	-3.7	0.3	-1.35
Stage B	-3.8	0.18	-1.12
Stage B	-3.9	0.09	-0.9
Stage B	-4	0.02	-0.71
Stage B	-4.1	-0.03	-0.54
Stage B	-4.2	-0.07	-0.39
Stage B	-4.3	-0.1	-0.26
Stage B	-4.4	-0.11	-0.16
Stage B	-4.5	-0.12	-0.08
Stage B	-4.6	-0.12	-0.02
Stage B	-4.7	-0.12	0.04
Stage B	-4.8	-0.11	0.07
Stage B	-4.9	-0.1	0.09
Stage B	-5	-0.09	0.11
Stage B	-5.1	-0.08	0.11
Stage B	-5.2	-0.07	0.12
Stage B	-5.3	-0.06	0.11
Stage B	-5.4	-0.05	0.11
Stage B	-5.5	-0.04	0.09
Stage B	-5.6	-0.03	0.08
Stage B	-5.7	-0.02	0.07
Stage B	-5.8	-0.01	0.06

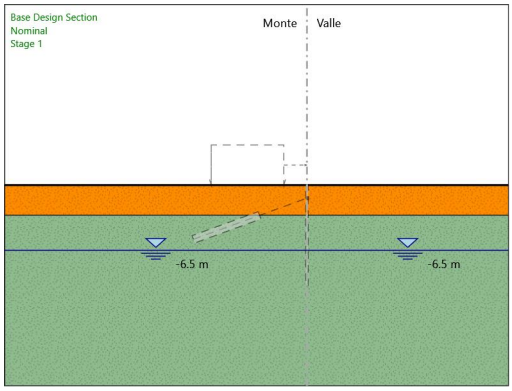
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage B	-5.9	-0.01	0.05
Stage B	-6	-0.01	0.04
Stage B	-6.1	0	0.03
Stage B	-6.2	0	0.03
Stage B	-6.3	0	0.02
Stage B	-6.4	0	0.01
Stage B	-6.5	0.01	0.01
Stage B	-6.6	0.01	0.01
Stage B	-6.7	0.01	0
Stage B	-6.8	0.01	0
Stage B	-6.9	0.01	0
Stage B	-7	0.01	0
Stage B	-7.1	0.01	0
Stage B	-7.2	0.01	0
Stage B	-7.3	0.01	-0.01
Stage B	-7.4	0	-0.01
Stage B	-7.5	0	0
Stage B	-7.6	0	-0.01
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
Stage B	-8.4	0	0
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

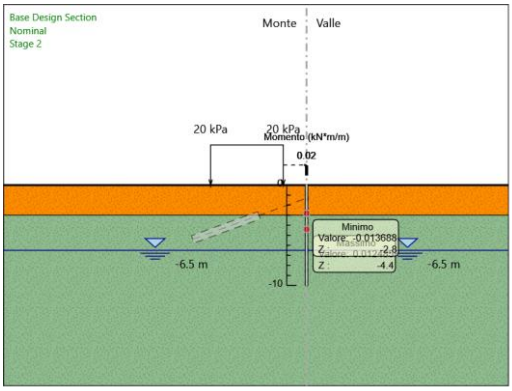
Tabella Risultati Paratia Nominal - Stage: Stage 3-

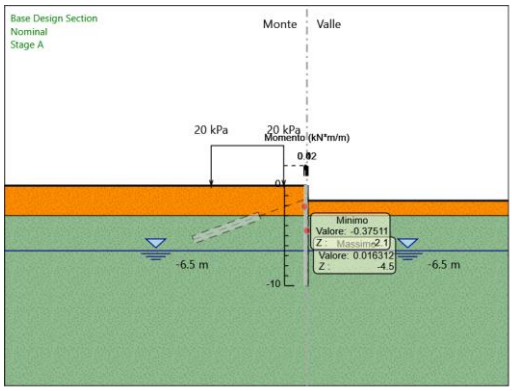
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-	0	0	-0.35
Stage 3-	-0.1	-0.03	-0.35
Stage 3-	-0.2	-0.15	-1.14
Stage 3-	-0.3	-0.37	-2.22
Stage 3-	-0.4	-0.73	-3.6
Stage 3-	-0.5	-1.26	-5.27
Stage 3-	-0.6	-1.98	-7.22
Stage 3-	-0.7	-2.93	-9.45
Stage 3-	-0.8	-4.12	-11.96
Stage 3-	-0.9	-5.59	-14.71
Stage 3-	-1	-7.36	-17.68
Stage 3-	-1.1	-9.44	-20.84
Stage 3-	-1.2	-11.85	-24.11
Stage 3-	-1.3	-14.6	-27.47
Stage 3-	-1.4	-11.68	29.18
Stage 3-	-1.5	-9.11	25.78
Stage 3-	-1.6	-6.86	22.48
Stage 3-	-1.7	-4.92	19.36
Stage 3-	-1.8	-3.28	16.45
Stage 3-	-1.9	-1.9	13.78
Stage 3-	-2	-0.76	11.37
Stage 3-	-2.1	0.16	9.22
Stage 3-	-2.2	0.89	7.33
Stage 3-	-2.3	1.46	5.69
Stage 3-	-2.4	1.89	4.29
Stage 3-	-2.5	2.2	3.11
Stage 3-	-2.6	2.42	2.2
Stage 3-	-2.7	2.58	1.55
Stage 3-	-2.8	2.69	1.13
Stage 3-	-2.9	2.78	0.91
Stage 3-	-3	2.87	0.86
Stage 3-	-3.1	2.95	0.86
Stage 3-	-3.2	3.04	0.86
Stage 3-	-3.3	3.12	0.86
Stage 3-	-3.4	3.21	0.86
Stage 3-	-3.5	3.29	0.86
Stage 3-	-3.6	3.38	0.86
Stage 3-	-3.7	3.46	0.86
Stage 3-	-3.8	3.55	0.86
Stage 3-	-3.9	3.64	0.86
Stage 3-	-4	3.72	0.86
Stage 3-	-4.1	3.81	0.86
Stage 3-	-4.2	3.89	0.86
Stage 3-	-4.3	3.98	0.86
Stage 3-	-4.4	4.06	0.86
Stage 3-	-4.5	4.14	0.8
Stage 3-	-4.6	4.21	0.63
Stage 3-	-4.7	4.24	0.33
Stage 3-	-4.8	4.23	-0.13
Stage 3-	-4.9	4.15	-0.75
Stage 3-	-5	4	-1.54
Stage 3-	-5.1	3.74	-2.53
Stage 3-	-5.2	3.37	-3.72
Stage 3-	-5.3	2.86	-5.13
Stage 3-	-5.4	2.18	-6.77
Stage 3-	-5.5	1.32	-8.66
Stage 3-	-5.6	0.55	-7.65
Stage 3-	-5.7	-0.11	-6.57
Stage 3-	-5.8	-0.66	-5.51

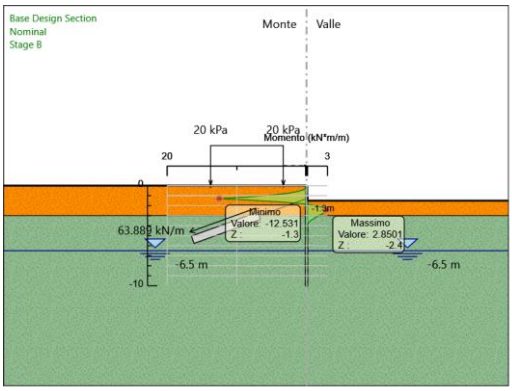
Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3-	-5.9	-1.11	-4.49
Stage 3-	-6	-1.46	-3.54
Stage 3-	-6.1	-1.73	-2.68
Stage 3-	-6.2	-1.92	-1.91
Stage 3-	-6.3	-2.04	-1.23
Stage 3-	-6.4	-2.11	-0.64
Stage 3-	-6.5	-2.12	-0.12
Stage 3-	-6.6	-2.09	0.31
Stage 3-	-6.7	-2.02	0.66
Stage 3-	-6.8	-1.93	0.93
Stage 3-	-6.9	-1.82	1.13
Stage 3-	-7	-1.69	1.26
Stage 3-	-7.1	-1.56	1.35
Stage 3-	-7.2	-1.42	1.39
Stage 3-	-7.3	-1.28	1.4
Stage 3-	-7.4	-1.14	1.37
Stage 3-	-7.5	-1.01	1.33
Stage 3-	-7.6	-0.88	1.26
Stage 3-	-7.7	-0.76	1.18
Stage 3-	-7.8	-0.65	1.1
Stage 3-	-7.9	-0.55	1
Stage 3-	-8	-0.46	0.91
Stage 3-	-8.1	-0.38	0.81
Stage 3-	-8.2	-0.31	0.72
Stage 3-	-8.3	-0.25	0.63
Stage 3-	-8.4	-0.19	0.54
Stage 3-	-8.5	-0.15	0.46
Stage 3-	-8.6	-0.11	0.39
Stage 3-	-8.7	-0.07	0.32
Stage 3-	-8.8	-0.05	0.26
Stage 3-	-8.9	-0.03	0.21
Stage 3-	-9	-0.01	0.16
Stage 3-	-9.1	0	0.11
Stage 3-	-9.2	0.01	0.08
Stage 3-	-9.3	0.01	0.04
Stage 3-	-9.4	0.01	0.02
Stage 3-	-9.5	0.01	-0.01
Stage 3-	-9.6	0.01	-0.02
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









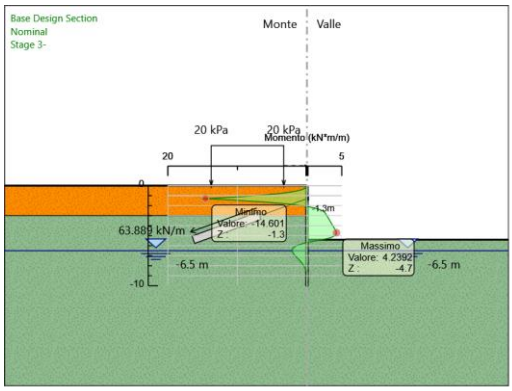
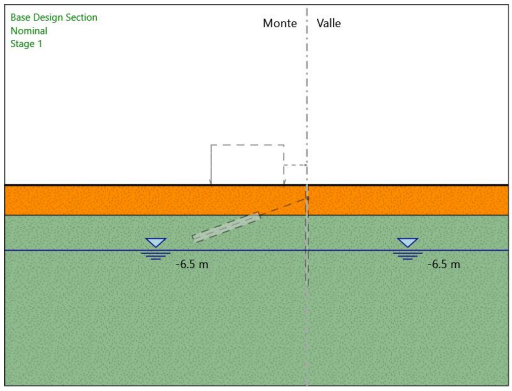
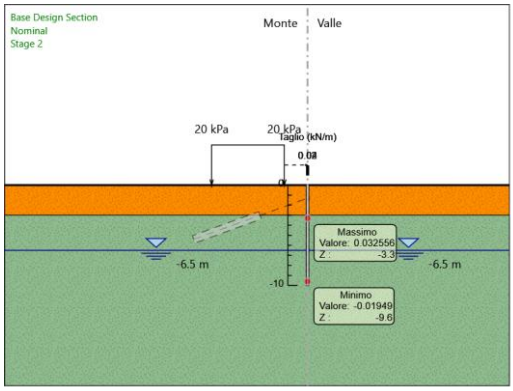
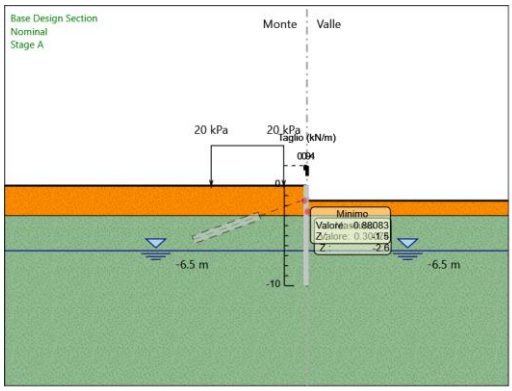
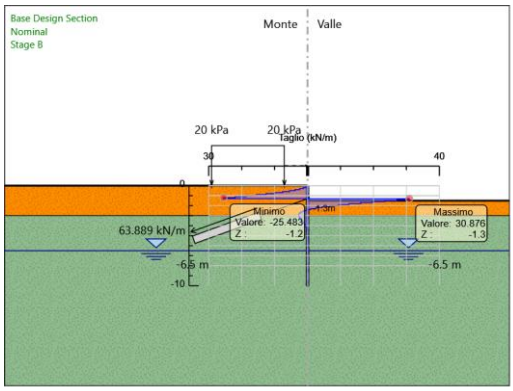


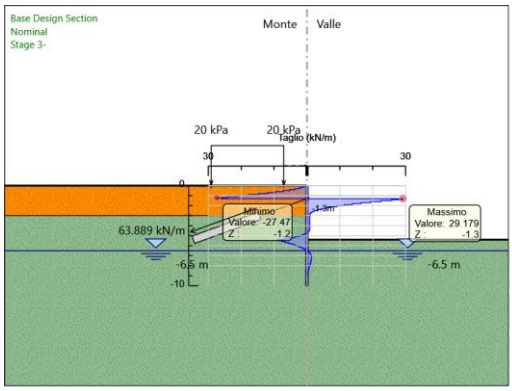
Grafico Taglio Nominal











Inviluppi Risultati Paratia Nominal

Risultati Elementi strutturali

Design Assumption: Nominal	Sollecitazione Tieback_New_New_New_New
Stage	**Forza (kN/m)**
Stage B	63.89
Stage 3-	63.9352

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	0.217	4.599	45	0	0	0	0
Stage 1	-0.1	2.4	1.2	V-C	0.217	4.599	45	0	0	0	1.2
Stage 1	-0.2	4.8	2.4	V-C	0.217	4.599	45	0	0	0	2.4
Stage 1	-0.3	7.2	3.6	V-C	0.217	4.599	45	0	0	0	3.6
Stage 1	-0.4	9.6	4.8	V-C	0.217	4.599	45	0	0	0	4.8
Stage 1	-0.5	12	6	V-C	0.217	4.599	45	0	0	0	6
Stage 1	-0.6	14.4	7.2	V-C	0.217	4.599	45	0	0	0	7.2
Stage 1	-0.7	16.8	8.4	V-C	0.217	4.599	45	0	0	0	8.4
Stage 1	-0.8	19.2	9.6	V-C	0.217	4.599	45	0	0	0	9.6
Stage 1	-0.9	21.6	10.8	V-C	0.217	4.599	45	0	0	0	10.8
Stage 1	-1	24	12	V-C	0.217	4.599	45	0	0	0	12
Stage 1	-1.1	26.4	13.2	V-C	0.217	4.599	45	0	0	0	13.2
Stage 1	-1.2	28.8	14.4	V-C	0.217	4.599	45	0	0	0	14.4
Stage 1	-1.3	31.2	15.6	V-C	0.217	4.599	45	0	0	0	15.6
Stage 1	-1.4	33.6	16.8	V-C	0.217	4.599	45	0	0	0	16.8
Stage 1	-1.5	36	18	V-C	0.217	4.599	45	0	0	0	18
Stage 1	-1.6	38.4	19.2	V-C	0.217	4.599	45	0	0	0	19.2
Stage 1	-1.7	40.8	20.4	V-C	0.217	4.599	45	0	0	0	20.4
Stage 1	-1.8	43.2	21.6	V-C	0.217	4.599	45	0	0	0	21.6
Stage 1	-1.9	45.6	22.8	V-C	0.217	4.599	45	0	0	0	22.8
Stage 1	-2	48	24	V-C	0.217	4.599	45	0	0	0	24
Stage 1	-2.1	50.4	25.2	V-C	0.217	4.599	45	0	0	0	25.2
Stage 1	-2.2	52.8	26.4	V-C	0.217	4.599	45	0	0	0	26.4
Stage 1	-2.3	55.2	27.6	V-C	0.217	4.599	45	0	0	0	27.6
Stage 1	-2.4	57.6	28.8	V-C	0.217	4.599	45	0	0	0	28.8
Stage 1	-2.5	60	30	V-C	0.217	4.599	45	0	0	0	30
Stage 1	-2.6	62.4	31.2	V-C	0.217	4.599	45	0	0	0	31.2
Stage 1	-2.7	64.8	32.4	V-C	0.217	4.599	45	0	0	0	32.4
Stage 1	-2.8	67.2	33.6	V-C	0.217	4.599	45	0	0	0	33.6
Stage 1	-2.9	69.6	34.8	V-C	0.217	4.599	45	0	0	0	34.8
Stage 1	-3	72	36	V-C	0.217	4.599	45	0	0	0	36
Stage 1	-3.1	74.45	37.225	V-C	0.217	4.599	40	0	0	0	37.225
Stage 1	-3.2	76.9	38.45	V-C	0.217	4.599	40	0	0	0	38.45
Stage 1	-3.3	79.35	39.675	V-C	0.217	4.599	40	0	0	0	39.675
Stage 1	-3.4	81.8	40.9	V-C	0.217	4.599	40	0	0	0	40.9
Stage 1	-3.5	84.25	42.125	V-C	0.217	4.599	40	0	0	0	42.125
Stage 1	-3.6	86.7	43.35	V-C	0.217	4.599	40	0	0	0	43.35
Stage 1	-3.7	89.15	44.575	V-C	0.217	4.599	40	0	0	0	44.575
Stage 1	-3.8	91.6	45.8	V-C	0.217	4.599	40	0	0	0	45.8
Stage 1	-3.9	94.05	47.025	V-C	0.217	4.599	40	0	0	0	47.025
Stage 1	-4	96.5	48.25	V-C	0.217	4.599	40	0	0	0	48.25
Stage 1	-4.1	98.95	49.475	V-C	0.217	4.599	40	0	0	0	49.475
Stage 1	-4.2	101.4	50.7	V-C	0.217	4.599	40	0	0	0	50.7
Stage 1	-4.3	103.85	51.925	V-C	0.217	4.599	40	0	0	0	51.925
Stage 1	-4.4	106.3	53.15	V-C	0.217	4.599	40	0	0	0	53.15
Stage 1	-4.5	108.75	54.375	V-C	0.217	4.599	40	0	0	0	54.375
Stage 1	-4.6	111.2	55.6	V-C	0.217	4.599	40	0	0	0	55.6
Stage 1	-4.7	113.65	56.825	V-C	0.217	4.599	40	0	0	0	56.825
Stage 1	-4.8	116.1	58.05	V-C	0.217	4.599	40	0	0	0	58.05
Stage 1	-4.9	118.55	59.275	V-C	0.217	4.599	40	0	0	0	59.275
Stage 1	-5	121	60.5	V-C	0.217	4.599	40	0	0	0	60.5
Stage 1	-5.1	123.45	61.725	V-C	0.217	4.599	40	0	0	0	61.725
Stage 1	-5.2	125.9	62.95	V-C	0.217	4.599	40	0	0	0	62.95
Stage 1	-5.3	128.35	64.175	V-C	0.217	4.599	40	0	0	0	64.175
Stage 1	-5.4	130.8	65.4	V-C	0.217	4.599	40	0	0	0	65.4
Stage 1	-5.5	133.25	66.625	V-C	0.217	4.599	40	0	0	0	66.625

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	-5.6	135.7	67.85	V-C	0.217	4.599	40	0	0	0	67.85
Stage 1	-5.7	138.15	69.075	V-C	0.217	4.599	40	0	0	0	69.075
Stage 1	-5.8	140.6	70.3	V-C	0.217	4.599	40	0	0	0	70.3
Stage 1	-5.9	143.05	71.525	V-C	0.217	4.599	40	0	0	0	71.525
Stage 1	-6	145.5	72.75	V-C	0.217	4.599	40	0	0	0	72.75
Stage 1	-6.1	147.95	73.975	V-C	0.217	4.599	40	0	0	0	73.975
Stage 1	-6.2	150.4	75.2	V-C	0.217	4.599	40	0	0	0	75.2
Stage 1	-6.3	152.85	76.425	V-C	0.217	4.599	40	0	0	0	76.425
Stage 1	-6.4	155.3	77.65	V-C	0.217	4.599	40	0	0	0	77.65
Stage 1	-6.5	157.75	78.875	V-C	0.217	4.599	40	0	0	0	78.875
Stage 1	-6.6	159.2	79.6	V-C	0.217	4.599	40	1	0	0	80.6
Stage 1	-6.7	160.65	80.325	V-C	0.217	4.599	40	2	0	0	82.325
Stage 1	-6.8	162.1	81.05	V-C	0.217	4.599	40	3	0	0	84.05
Stage 1	-6.9	163.55	81.775	V-C	0.217	4.599	40	4	0	0	85.775
Stage 1	-7	165	82.5	V-C	0.217	4.599	40	5	0	0	87.5
Stage 1	-7.1	166.45	83.225	V-C	0.217	4.599	40	6	0	0	89.225
Stage 1	-7.2	167.9	83.95	V-C	0.217	4.599	40	7	0	0	90.95
Stage 1	-7.3	169.35	84.675	V-C	0.217	4.599	40	8	0	0	92.675
Stage 1	-7.4	170.8	85.4	V-C	0.217	4.599	40	9	0	0	94.4
Stage 1	-7.5	172.25	86.125	V-C	0.217	4.599	40	10	0	0	96.125
Stage 1	-7.6	173.7	86.85	V-C	0.217	4.599	40	11	0	0	97.85
Stage 1	-7.7	175.15	87.575	V-C	0.217	4.599	40	12	0	0	99.575
Stage 1	-7.8	176.6	88.3	V-C	0.217	4.599	40	13	0	0	101.3
Stage 1	-7.9	178.05	89.025	V-C	0.217	4.599	40	14	0	0	103.025
Stage 1	-8	179.5	89.75	V-C	0.217	4.599	40	15	0	0	104.75
Stage 1	-8.1	180.95	90.475	V-C	0.217	4.599	40	16	0	0	106.475
Stage 1	-8.2	182.4	91.2	V-C	0.217	4.599	40	17	0	0	108.2
Stage 1	-8.3	183.85	91.925	V-C	0.217	4.599	40	18	0	0	109.925
Stage 1	-8.4	185.3	92.65	V-C	0.217	4.599	40	19	0	0	111.65
Stage 1	-8.5	186.75	93.375	V-C	0.217	4.599	40	20	0	0	113.375
Stage 1	-8.6	188.2	94.1	V-C	0.217	4.599	40	21	0	0	115.1
Stage 1	-8.7	189.65	94.825	V-C	0.217	4.599	40	22	0	0	116.825
Stage 1	-8.8	191.1	95.55	V-C	0.217	4.599	40	23	0	0	118.55
Stage 1	-8.9	192.55	96.275	V-C	0.217	4.599	40	24	0	0	120.275
Stage 1	-9	194	97	V-C	0.217	4.599	40	25	0	0	122
Stage 1	-9.1	195.45	97.725	V-C	0.217	4.599	40	26	0	0	123.725
Stage 1	-9.2	196.9	98.45	V-C	0.217	4.599	40	27	0	0	125.45
Stage 1	-9.3	198.35	99.175	V-C	0.217	4.599	40	28	0	0	127.175
Stage 1	-9.4	199.8	99.9	V-C	0.217	4.599	40	29	0	0	128.9
Stage 1	-9.5	201.25	100.625	V-C	0.217	4.599	40	30	0	0	130.625
Stage 1	-9.6	202.7	101.35	V-C	0.217	4.599	40	31	0	0	132.35
Stage 1	-9.7	204.15	102.075	V-C	0.217	4.599	40	32	0	0	134.075
Stage 1	-9.8	205.6	102.8	V-C	0.217	4.599	40	33	0	0	135.8
Stage 1	-9.9	207.05	103.525	V-C	0.217	4.599	40	34	0	0	137.525
Stage 1	-10	208.5	104.25	V-C	0.217	4.599	40	35	0	0	139.25

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	0.217	4.599	45	0	0	0	0
Stage 1	-0.1	2.4	1.2	V-C	0.217	4.599	45	0	0	0	1.2
Stage 1	-0.2	4.8	2.4	V-C	0.217	4.599	45	0	0	0	2.4
Stage 1	-0.3	7.2	3.6	V-C	0.217	4.599	45	0	0	0	3.6
Stage 1	-0.4	9.6	4.8	V-C	0.217	4.599	45	0	0	0	4.8
Stage 1	-0.5	12	6	V-C	0.217	4.599	45	0	0	0	6
Stage 1	-0.6	14.4	7.2	V-C	0.217	4.599	45	0	0	0	7.2
Stage 1	-0.7	16.8	8.4	V-C	0.217	4.599	45	0	0	0	8.4
Stage 1	-0.8	19.2	9.6	V-C	0.217	4.599	45	0	0	0	9.6
Stage 1	-0.9	21.6	10.8	V-C	0.217	4.599	45	0	0	0	10.8
Stage 1	-1	24	12	V-C	0.217	4.599	45	0	0	0	12
Stage 1	-1.1	26.4	13.2	V-C	0.217	4.599	45	0	0	0	13.2
Stage 1	-1.2	28.8	14.4	V-C	0.217	4.599	45	0	0	0	14.4
Stage 1	-1.3	31.2	15.6	V-C	0.217	4.599	45	0	0	0	15.6
Stage 1	-1.4	33.6	16.8	V-C	0.217	4.599	45	0	0	0	16.8
Stage 1	-1.5	36	18	V-C	0.217	4.599	45	0	0	0	18
Stage 1	-1.6	38.4	19.2	V-C	0.217	4.599	45	0	0	0	19.2
Stage 1	-1.7	40.8	20.4	V-C	0.217	4.599	45	0	0	0	20.4
Stage 1	-1.8	43.2	21.6	V-C	0.217	4.599	45	0	0	0	21.6
Stage 1	-1.9	45.6	22.8	V-C	0.217	4.599	45	0	0	0	22.8
Stage 1	-2	48	24	V-C	0.217	4.599	45	0	0	0	24
Stage 1	-2.1	50.4	25.2	V-C	0.217	4.599	45	0	0	0	25.2
Stage 1	-2.2	52.8	26.4	V-C	0.217	4.599	45	0	0	0	26.4
Stage 1	-2.3	55.2	27.6	V-C	0.217	4.599	45	0	0	0	27.6
Stage 1	-2.4	57.6	28.8	V-C	0.217	4.599	45	0	0	0	28.8
Stage 1	-2.5	60	30	V-C	0.217	4.599	45	0	0	0	30
Stage 1	-2.6	62.4	31.2	V-C	0.217	4.599	45	0	0	0	31.2
Stage 1	-2.7	64.8	32.4	V-C	0.217	4.599	45	0	0	0	32.4
Stage 1	-2.8	67.2	33.6	V-C	0.217	4.599	45	0	0	0	33.6
Stage 1	-2.9	69.6	34.8	V-C	0.217	4.599	45	0	0	0	34.8
Stage 1	-3	72	36	V-C	0.217	4.599	45	0	0	0	36
Stage 1	-3.1	74.45	37.225	V-C	0.217	4.599	40	0	0	0	37.225
Stage 1	-3.2	76.9	38.45	V-C	0.217	4.599	40	0	0	0	38.45
Stage 1	-3.3	79.35	39.675	V-C	0.217	4.599	40	0	0	0	39.675
Stage 1	-3.4	81.8	40.9	V-C	0.217	4.599	40	0	0	0	40.9
Stage 1	-3.5	84.25	42.125	V-C	0.217	4.599	40	0	0	0	42.125
Stage 1	-3.6	86.7	43.35	V-C	0.217	4.599	40	0	0	0	43.35
Stage 1	-3.7	89.15	44.575	V-C	0.217	4.599	40	0	0	0	44.575
Stage 1	-3.8	91.6	45.8	V-C	0.217	4.599	40	0	0	0	45.8
Stage 1	-3.9	94.05	47.025	V-C	0.217	4.599	40	0	0	0	47.025
Stage 1	-4	96.5	48.25	V-C	0.217	4.599	40	0	0	0	48.25
Stage 1	-4.1	98.95	49.475	V-C	0.217	4.599	40	0	0	0	49.475
Stage 1	-4.2	101.4	50.7	V-C	0.217	4.599	40	0	0	0	50.7
Stage 1	-4.3	103.85	51.925	V-C	0.217	4.599	40	0	0	0	51.925
Stage 1	-4.4	106.3	53.15	V-C	0.217	4.599	40	0	0	0	53.15
Stage 1	-4.5	108.75	54.375	V-C	0.217	4.599	40	0	0	0	54.375
Stage 1	-4.6	111.2	55.6	V-C	0.217	4.599	40	0	0	0	55.6
Stage 1	-4.7	113.65	56.825	V-C	0.217	4.599	40	0	0	0	56.825
Stage 1	-4.8	116.1	58.05	V-C	0.217	4.599	40	0	0	0	58.05
Stage 1	-4.9	118.55	59.275	V-C	0.217	4.599	40	0	0	0	59.275
Stage 1	-5	121	60.5	V-C	0.217	4.599	40	0	0	0	60.5
Stage 1	-5.1	123.45	61.725	V-C	0.217	4.599	40	0	0	0	61.725
Stage 1	-5.2	125.9	62.95	V-C	0.217	4.599	40	0	0	0	62.95
Stage 1	-5.3	128.35	64.175	V-C	0.217	4.599	40	0	0	0	64.175
Stage 1	-5.4	130.8	65.4	V-C	0.217	4.599	40	0	0	0	65.4
Stage 1	-5.5	133.25	66.625	V-C	0.217	4.599	40	0	0	0	66.625
Stage 1	-5.6	135.7	67.85	V-C	0.217	4.599	40	0	0	0	67.85
Stage 1	-5.7	138.15	69.075	V-C	0.217	4.599	40	0	0	0	69.075
Stage 1	-5.8	140.6	70.3	V-C	0.217	4.599	40	0	0	0	70.3
Stage 1	-5.9	143.05	71.525	V-C	0.217	4.599	40	0	0	0	71.525
Stage 1	-6	145.5	72.75	V-C	0.217	4.599	40	0	0	0	72.75
Stage 1	-6.1	147.95	73.975	V-C	0.217	4.599	40	0	0	0	73.975

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	-6.2	150.4	75.2	V-C	0.217	4.599	40	0	0	0	75.2
Stage 1	-6.3	152.85	76.425	V-C	0.217	4.599	40	0	0	0	76.425
Stage 1	-6.4	155.3	77.65	V-C	0.217	4.599	40	0	0	0	77.65
Stage 1	-6.5	157.75	78.875	V-C	0.217	4.599	40	0	0	0	78.875
Stage 1	-6.6	159.2	79.6	V-C	0.217	4.599	40	1	0	0	80.6
Stage 1	-6.7	160.65	80.325	V-C	0.217	4.599	40	2	0	0	82.325
Stage 1	-6.8	162.1	81.05	V-C	0.217	4.599	40	3	0	0	84.05
Stage 1	-6.9	163.55	81.775	V-C	0.217	4.599	40	4	0	0	85.775
Stage 1	-7	165	82.5	V-C	0.217	4.599	40	5	0	0	87.5
Stage 1	-7.1	166.45	83.225	V-C	0.217	4.599	40	6	0	0	89.225
Stage 1	-7.2	167.9	83.95	V-C	0.217	4.599	40	7	0	0	90.95
Stage 1	-7.3	169.35	84.675	V-C	0.217	4.599	40	8	0	0	92.675
Stage 1	-7.4	170.8	85.4	V-C	0.217	4.599	40	9	0	0	94.4
Stage 1	-7.5	172.25	86.125	V-C	0.217	4.599	40	10	0	0	96.125
Stage 1	-7.6	173.7	86.85	V-C	0.217	4.599	40	11	0	0	97.85
Stage 1	-7.7	175.15	87.575	V-C	0.217	4.599	40	12	0	0	99.575
Stage 1	-7.8	176.6	88.3	V-C	0.217	4.599	40	13	0	0	101.3
Stage 1	-7.9	178.05	89.025	V-C	0.217	4.599	40	14	0	0	103.025
Stage 1	-8	179.5	89.75	V-C	0.217	4.599	40	15	0	0	104.75
Stage 1	-8.1	180.95	90.475	V-C	0.217	4.599	40	16	0	0	106.475
Stage 1	-8.2	182.4	91.2	V-C	0.217	4.599	40	17	0	0	108.2
Stage 1	-8.3	183.85	91.925	V-C	0.217	4.599	40	18	0	0	109.925
Stage 1	-8.4	185.3	92.65	V-C	0.217	4.599	40	19	0	0	111.65
Stage 1	-8.5	186.75	93.375	V-C	0.217	4.599	40	20	0	0	113.375
Stage 1	-8.6	188.2	94.1	V-C	0.217	4.599	40	21	0	0	115.1
Stage 1	-8.7	189.65	94.825	V-C	0.217	4.599	40	22	0	0	116.825
Stage 1	-8.8	191.1	95.55	V-C	0.217	4.599	40	23	0	0	118.55
Stage 1	-8.9	192.55	96.275	V-C	0.217	4.599	40	24	0	0	120.275
Stage 1	-9	194	97	V-C	0.217	4.599	40	25	0	0	122
Stage 1	-9.1	195.45	97.725	V-C	0.217	4.599	40	26	0	0	123.725
Stage 1	-9.2	196.9	98.45	V-C	0.217	4.599	40	27	0	0	125.45
Stage 1	-9.3	198.35	99.175	V-C	0.217	4.599	40	28	0	0	127.175
Stage 1	-9.4	199.8	99.9	V-C	0.217	4.599	40	29	0	0	128.9
Stage 1	-9.5	201.25	100.625	V-C	0.217	4.599	40	30	0	0	130.625
Stage 1	-9.6	202.7	101.35	V-C	0.217	4.599	40	31	0	0	132.35
Stage 1	-9.7	204.15	102.075	V-C	0.217	4.599	40	32	0	0	134.075
Stage 1	-9.8	205.6	102.8	V-C	0.217	4.599	40	33	0	0	135.8
Stage 1	-9.9	207.05	103.525	V-C	0.217	4.599	40	34	0	0	137.525
Stage 1	-10	208.5	104.25	V-C	0.217	4.599	40	35	0	0	139.25

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	0.046	V-C	0.217	4.599	45	0	0	0	0.046
Stage 2	-0.1	2.4	1.236	V-C	0.217	4.599	45	0	0	0	1.236
Stage 2	-0.2	4.803	2.426	V-C	0.217	4.599	45	0	0	0	2.426
Stage 2	-0.3	7.209	3.618	V-C	0.217	4.599	45	0	0	0	3.618
Stage 2	-0.4	9.621	4.812	V-C	0.217	4.599	45	0	0	0	4.812
Stage 2	-0.5	12.041	6.004	UL-RL	0.217	4.599	45	0	0	0	6.004
Stage 2	-0.6	14.469	7.198	UL-RL	0.217	4.599	45	0	0	0	7.198
Stage 2	-0.7	16.906	8.395	UL-RL	0.217	4.599	45	0	0	0	8.395
Stage 2	-0.8	19.353	9.596	UL-RL	0.217	4.599	45	0	0	0	9.596
Stage 2	-0.9	21.811	10.8	UL-RL	0.217	4.599	45	0	0	0	10.8
Stage 2	-1	24.278	12.006	UL-RL	0.217	4.599	45	0	0	0	12.006
Stage 2	-1.1	26.756	13.216	UL-RL	0.217	4.599	45	0	0	0	13.216
Stage 2	-1.2	29.242	14.428	UL-RL	0.217	4.599	45	0	0	0	14.428
Stage 2	-1.3	31.737	15.642	UL-RL	0.217	4.599	45	0	0	0	15.642
Stage 2	-1.4	34.24	16.858	UL-RL	0.217	4.599	45	0	0	0	16.858
Stage 2	-1.5	36.75	18.074	UL-RL	0.217	4.599	45	0	0	0	18.074
Stage 2	-1.6	39.265	19.292	UL-RL	0.217	4.599	45	0	0	0	19.292
Stage 2	-1.7	41.786	20.509	UL-RL	0.217	4.599	45	0	0	0	20.509
Stage 2	-1.8	44.31	21.727	UL-RL	0.217	4.599	45	0	0	0	21.727
Stage 2	-1.9	46.837	22.944	UL-RL	0.217	4.599	45	0	0	0	22.944
Stage 2	-2	49.367	24.161	UL-RL	0.217	4.599	45	0	0	0	24.161
Stage 2	-2.1	51.898	25.376	UL-RL	0.217	4.599	45	0	0	0	25.376
Stage 2	-2.2	54.429	26.59	UL-RL	0.217	4.599	45	0	0	0	26.59
Stage 2	-2.3	56.961	27.801	UL-RL	0.217	4.599	45	0	0	0	27.801
Stage 2	-2.4	59.492	29.011	UL-RL	0.217	4.599	45	0	0	0	29.011
Stage 2	-2.5	62.022	30.218	UL-RL	0.217	4.599	45	0	0	0	30.218
Stage 2	-2.6	64.55	31.422	UL-RL	0.217	4.599	45	0	0	0	31.422
Stage 2	-2.7	67.077	32.623	UL-RL	0.217	4.599	45	0	0	0	32.623
Stage 2	-2.8	69.601	33.82	UL-RL	0.217	4.599	45	0	0	0	33.82
Stage 2	-2.9	72.123	35.014	UL-RL	0.217	4.599	45	0	0	0	35.014
Stage 2	-3	74.643	36.203	UL-RL	0.217	4.599	45	0	0	0	36.203
Stage 2	-3.1	77.4	37.51	UL-RL	0.217	4.599	40	0	0	0	37.51
Stage 2	-3.2	80.024	38.747	UL-RL	0.217	4.599	40	0	0	0	38.747
Stage 2	-3.3	82.641	39.98	UL-RL	0.217	4.599	40	0	0	0	39.98
Stage 2	-3.4	85.46	41.312	UL-RL	0.217	4.599	40	0	0	0	41.312
Stage 2	-3.5	88.058	42.534	UL-RL	0.217	4.599	40	0	0	0	42.534
Stage 2	-3.6	90.848	43.851	UL-RL	0.217	4.599	40	0	0	0	43.851
Stage 2	-3.7	93.429	45.065	UL-RL	0.217	4.599	40	0	0	0	45.065
Stage 2	-3.8	96.005	46.277	UL-RL	0.217	4.599	40	0	0	0	46.277
Stage 2	-3.9	98.76	47.579	UL-RL	0.217	4.599	40	0	0	0	47.579
Stage 2	-4	101.323	48.788	UL-RL	0.217	4.599	40	0	0	0	48.788
Stage 2	-4.1	103.882	49.996	UL-RL	0.217	4.599	40	0	0	0	49.996
Stage 2	-4.2	106.608	51.289	UL-RL	0.217	4.599	40	0	0	0	51.289
Stage 2	-4.3	109.156	52.496	UL-RL	0.217	4.599	40	0	0	0	52.496
Stage 2	-4.4	111.863	53.785	UL-RL	0.217	4.599	40	0	0	0	53.785
Stage 2	-4.5	114.401	54.991	UL-RL	0.217	4.599	40	0	0	0	54.991
Stage 2	-4.6	116.936	56.198	UL-RL	0.217	4.599	40	0	0	0	56.198
Stage 2	-4.7	119.621	57.483	UL-RL	0.217	4.599	40	0	0	0	57.483
Stage 2	-4.8	122.148	58.69	UL-RL	0.217	4.599	40	0	0	0	58.69
Stage 2	-4.9	124.819	59.972	UL-RL	0.217	4.599	40	0	0	0	59.972
Stage 2	-5	127.339	61.18	UL-RL	0.217	4.599	40	0	0	0	61.18
Stage 2	-5.1	129.857	62.39	UL-RL	0.217	4.599	40	0	0	0	62.39
Stage 2	-5.2	132.511	63.669	UL-RL	0.217	4.599	40	0	0	0	63.669
Stage 2	-5.3	135.022	64.879	UL-RL	0.217	4.599	40	0	0	0	64.879
Stage 2	-5.4	137.665	66.156	UL-RL	0.217	4.599	40	0	0	0	66.156
Stage 2	-5.5	140.171	67.366	UL-RL	0.217	4.599	40	0	0	0	67.366
Stage 2	-5.6	142.676	68.577	UL-RL	0.217	4.599	40	0	0	0	68.577
Stage 2	-5.7	145.304	69.852	UL-RL	0.217	4.599	40	0	0	0	69.852
Stage 2	-5.8	147.804	71.063	UL-RL	0.217	4.599	40	0	0	0	71.063

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	-5.9	150.302	72.275	UL-RL	0.217	4.599	40	0	0	0	72.275
Stage 2	-6	152.919	73.547	UL-RL	0.217	4.599	40	0	0	0	73.547
Stage 2	-6.1	155.414	74.759	UL-RL	0.217	4.599	40	0	0	0	74.759
Stage 2	-6.2	158.022	76.029	UL-RL	0.217	4.599	40	0	0	0	76.029
Stage 2	-6.3	160.513	77.241	UL-RL	0.217	4.599	40	0	0	0	77.241
Stage 2	-6.4	163.002	78.453	UL-RL	0.217	4.599	40	0	0	0	78.453
Stage 2	-6.5	165.601	79.721	UL-RL	0.217	4.599	40	0	0	0	79.721
Stage 2	-6.6	167.087	80.433	UL-RL	0.217	4.599	40	1	0	0	81.433
Stage 2	-6.7	168.679	81.199	UL-RL	0.217	4.599	40	2	0	0	83.199
Stage 2	-6.8	170.162	81.911	UL-RL	0.217	4.599	40	3	0	0	84.911
Stage 2	-6.9	171.645	82.624	UL-RL	0.217	4.599	40	4	0	0	86.624
Stage 2	-7	173.229	83.388	UL-RL	0.217	4.599	40	5	0	0	88.388
Stage 2	-7.1	174.708	84.1	UL-RL	0.217	4.599	40	6	0	0	90.1
Stage 2	-7.2	176.287	84.863	UL-RL	0.217	4.599	40	7	0	0	91.863
Stage 2	-7.3	177.764	85.575	UL-RL	0.217	4.599	40	8	0	0	93.575
Stage 2	-7.4	179.241	86.288	UL-RL	0.217	4.599	40	9	0	0	95.288
Stage 2	-7.5	180.812	87.048	UL-RL	0.217	4.599	40	10	0	0	97.048
Stage 2	-7.6	182.287	87.761	UL-RL	0.217	4.599	40	11	0	0	98.761
Stage 2	-7.7	183.76	88.474	UL-RL	0.217	4.599	40	12	0	0	100.474
Stage 2	-7.8	185.326	89.233	UL-RL	0.217	4.599	40	13	0	0	102.233
Stage 2	-7.9	186.798	89.946	UL-RL	0.217	4.599	40	14	0	0	103.946
Stage 2	-8	188.359	90.704	UL-RL	0.217	4.599	40	15	0	0	105.704
Stage 2	-8.1	189.829	91.417	UL-RL	0.217	4.599	40	16	0	0	107.417
Stage 2	-8.2	191.298	92.13	UL-RL	0.217	4.599	40	17	0	0	109.13
Stage 2	-8.3	192.854	92.888	UL-RL	0.217	4.599	40	18	0	0	110.888
Stage 2	-8.4	194.322	93.602	UL-RL	0.217	4.599	40	19	0	0	112.602
Stage 2	-8.5	195.874	94.359	UL-RL	0.217	4.599	40	20	0	0	114.359
Stage 2	-8.6	197.34	95.074	UL-RL	0.217	4.599	40	21	0	0	116.074
Stage 2	-8.7	198.807	95.79	UL-RL	0.217	4.599	40	22	0	0	117.79
Stage 2	-8.8	200.354	96.548	UL-RL	0.217	4.599	40	23	0	0	119.548
Stage 2	-8.9	201.819	97.267	UL-RL	0.217	4.599	40	24	0	0	121.267
Stage 2	-9	203.363	98.026	UL-RL	0.217	4.599	40	25	0	0	123.026
Stage 2	-9.1	204.826	98.747	UL-RL	0.217	4.599	40	26	0	0	124.747
Stage 2	-9.2	206.29	99.469	UL-RL	0.217	4.599	40	27	0	0	126.469
Stage 2	-9.3	207.83	100.232	UL-RL	0.217	4.599	40	28	0	0	128.232
Stage 2	-9.4	209.292	100.957	UL-RL	0.217	4.599	40	29	0	0	129.957
Stage 2	-9.5	210.754	101.684	UL-RL	0.217	4.599	40	30	0	0	131.684
Stage 2	-9.6	212.14	102.374	UL-RL	0.217	4.599	40	31	0	0	133.374
Stage 2	-9.7	213.528	103.066	UL-RL	0.217	4.599	40	32	0	0	135.066
Stage 2	-9.8	214.916	103.758	UL-RL	0.217	4.599	40	33	0	0	136.758
Stage 2	-9.9	216.305	104.452	UL-RL	0.217	4.599	40	34	0	0	138.452
Stage 2	-10	217.695	105.146	UL-RL	0.217	4.599	40	35	0	0	140.146

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	ACTIVE	0.217	4.599	45	0	0	0	0
Stage 2	-0.1	2.4	1.175	UL-RL	0.217	4.599	45	0	0	0	1.175
Stage 2	-0.2	4.8	2.383	UL-RL	0.217	4.599	45	0	0	0	2.383
Stage 2	-0.3	7.2	3.591	UL-RL	0.217	4.599	45	0	0	0	3.591
Stage 2	-0.4	9.6	4.799	UL-RL	0.217	4.599	45	0	0	0	4.799
Stage 2	-0.5	12	6.004	UL-RL	0.217	4.599	45	0	0	0	6.004
Stage 2	-0.6	14.4	7.21	UL-RL	0.217	4.599	45	0	0	0	7.21
Stage 2	-0.7	16.8	8.416	UL-RL	0.217	4.599	45	0	0	0	8.416
Stage 2	-0.8	19.2	9.622	UL-RL	0.217	4.599	45	0	0	0	9.622
Stage 2	-0.9	21.6	10.829	UL-RL	0.217	4.599	45	0	0	0	10.829
Stage 2	-1	24	12.036	UL-RL	0.217	4.599	45	0	0	0	12.036
Stage 2	-1.1	26.4	13.244	UL-RL	0.217	4.599	45	0	0	0	13.244
Stage 2	-1.2	28.8	14.452	UL-RL	0.217	4.599	45	0	0	0	14.452
Stage 2	-1.3	31.2	15.662	UL-RL	0.217	4.599	45	0	0	0	15.662
Stage 2	-1.4	33.6	16.871	V-C	0.217	4.599	45	0	0	0	16.871
Stage 2	-1.5	36	18.082	V-C	0.217	4.599	45	0	0	0	18.082
Stage 2	-1.6	38.4	19.293	V-C	0.217	4.599	45	0	0	0	19.293
Stage 2	-1.7	40.8	20.504	V-C	0.217	4.599	45	0	0	0	20.504
Stage 2	-1.8	43.2	21.716	V-C	0.217	4.599	45	0	0	0	21.716
Stage 2	-1.9	45.6	22.929	V-C	0.217	4.599	45	0	0	0	22.929
Stage 2	-2	48	24.142	V-C	0.217	4.599	45	0	0	0	24.142
Stage 2	-2.1	50.4	25.356	V-C	0.217	4.599	45	0	0	0	25.356
Stage 2	-2.2	52.8	26.57	V-C	0.217	4.599	45	0	0	0	26.57
Stage 2	-2.3	55.2	27.785	V-C	0.217	4.599	45	0	0	0	27.785
Stage 2	-2.4	57.6	29	V-C	0.217	4.599	45	0	0	0	29
Stage 2	-2.5	60	30.215	V-C	0.217	4.599	45	0	0	0	30.215
Stage 2	-2.6	62.4	31.432	V-C	0.217	4.599	45	0	0	0	31.432
Stage 2	-2.7	64.8	32.649	V-C	0.217	4.599	45	0	0	0	32.649
Stage 2	-2.8	67.2	33.866	V-C	0.217	4.599	45	0	0	0	33.866
Stage 2	-2.9	69.6	35.085	V-C	0.217	4.599	45	0	0	0	35.085
Stage 2	-3	72	36.304	V-C	0.217	4.599	45	0	0	0	36.304
Stage 2	-3.1	74.45	37.549	V-C	0.217	4.599	40	0	0	0	37.549
Stage 2	-3.2	76.9	38.794	V-C	0.217	4.599	40	0	0	0	38.794
Stage 2	-3.3	79.35	40.039	V-C	0.217	4.599	40	0	0	0	40.039
Stage 2	-3.4	81.8	41.285	V-C	0.217	4.599	40	0	0	0	41.285
Stage 2	-3.5	84.25	42.531	V-C	0.217	4.599	40	0	0	0	42.531
Stage 2	-3.6	86.7	43.777	V-C	0.217	4.599	40	0	0	0	43.777
Stage 2	-3.7	89.15	45.023	V-C	0.217	4.599	40	0	0	0	45.023
Stage 2	-3.8	91.6	46.269	V-C	0.217	4.599	40	0	0	0	46.269
Stage 2	-3.9	94.05	47.514	V-C	0.217	4.599	40	0	0	0	47.514
Stage 2	-4	96.5	48.759	V-C	0.217	4.599	40	0	0	0	48.759
Stage 2	-4.1	98.95	50.004	V-C	0.217	4.599	40	0	0	0	50.004
Stage 2	-4.2	101.4	51.248	V-C	0.217	4.599	40	0	0	0	51.248
Stage 2	-4.3	103.85	52.491	V-C	0.217	4.599	40	0	0	0	52.491
Stage 2	-4.4	106.3	53.733	V-C	0.217	4.599	40	0	0	0	53.733
Stage 2	-4.5	108.75	54.975	V-C	0.217	4.599	40	0	0	0	54.975
Stage 2	-4.6	111.2	56.217	V-C	0.217	4.599	40	0	0	0	56.217
Stage 2	-4.7	113.65	57.458	V-C	0.217	4.599	40	0	0	0	57.458
Stage 2	-4.8	116.1	58.698	V-C	0.217	4.599	40	0	0	0	58.698
Stage 2	-4.9	118.55	59.937	V-C	0.217	4.599	40	0	0	0	59.937
Stage 2	-5	121	61.177	V-C	0.217	4.599	40	0	0	0	61.177
Stage 2	-5.1	123.45	62.415	V-C	0.217	4.599	40	0	0	0	62.415
Stage 2	-5.2	125.9	63.653	V-C	0.217	4.599	40	0	0	0	63.653
Stage 2	-5.3	128.35	64.89	V-C	0.217	4.599	40	0	0	0	64.89
Stage 2	-5.4	130.8	66.128	V-C	0.217	4.599	40	0	0	0	66.128
Stage 2	-5.5	133.25	67.364	V-C	0.217	4.599	40	0	0	0	67.364
Stage 2	-5.6	135.7	68.6	V-C	0.217	4.599	40	0	0	0	68.6
Stage 2	-5.7	138.15	69.836	V-C	0.217	4.599	40	0	0	0	69.836
Stage 2	-5.8	140.6	71.072	V-C	0.217	4.599	40	0	0	0	71.072
Stage 2	-5.9	143.05	72.307	V-C	0.217	4.599	40	0	0	0	72.307
Stage 2	-6	145.5	73.542	V-C	0.217	4.599	40	0	0	0	73.542
Stage 2	-6.1	147.95	74.776	V-C	0.217	4.599	40	0	0	0	74.776

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	-6.2	150.4	76.01	V-C	0.217	4.599	40	0	0	0	76.01
Stage 2	-6.3	152.85	77.244	V-C	0.217	4.599	40	0	0	0	77.244
Stage 2	-6.4	155.3	78.478	V-C	0.217	4.599	40	0	0	0	78.478
Stage 2	-6.5	157.75	79.712	V-C	0.217	4.599	40	0	0	0	79.712
Stage 2	-6.6	159.2	80.445	V-C	0.217	4.599	40	1	0	0	81.445
Stage 2	-6.7	160.65	81.179	V-C	0.217	4.599	40	2	0	0	83.179
Stage 2	-6.8	162.1	81.912	V-C	0.217	4.599	40	3	0	0	84.912
Stage 2	-6.9	163.55	82.644	V-C	0.217	4.599	40	4	0	0	86.644
Stage 2	-7	165	83.377	V-C	0.217	4.599	40	5	0	0	88.377
Stage 2	-7.1	166.45	84.109	V-C	0.217	4.599	40	6	0	0	90.109
Stage 2	-7.2	167.9	84.842	V-C	0.217	4.599	40	7	0	0	91.842
Stage 2	-7.3	169.35	85.574	V-C	0.217	4.599	40	8	0	0	93.574
Stage 2	-7.4	170.8	86.306	V-C	0.217	4.599	40	9	0	0	95.306
Stage 2	-7.5	172.25	87.038	V-C	0.217	4.599	40	10	0	0	97.038
Stage 2	-7.6	173.7	87.769	V-C	0.217	4.599	40	11	0	0	98.769
Stage 2	-7.7	175.15	88.501	V-C	0.217	4.599	40	12	0	0	100.501
Stage 2	-7.8	176.6	89.232	V-C	0.217	4.599	40	13	0	0	102.232
Stage 2	-7.9	178.05	89.963	V-C	0.217	4.599	40	14	0	0	103.963
Stage 2	-8	179.5	90.695	V-C	0.217	4.599	40	15	0	0	105.694
Stage 2	-8.1	180.95	91.426	V-C	0.217	4.599	40	16	0	0	107.426
Stage 2	-8.2	182.4	92.156	V-C	0.217	4.599	40	17	0	0	109.156
Stage 2	-8.3	183.85	92.887	V-C	0.217	4.599	40	18	0	0	110.887
Stage 2	-8.4	185.3	93.617	V-C	0.217	4.599	40	19	0	0	112.617
Stage 2	-8.5	186.75	94.348	V-C	0.217	4.599	40	20	0	0	114.348
Stage 2	-8.6	188.2	95.077	V-C	0.217	4.599	40	21	0	0	116.077
Stage 2	-8.7	189.65	95.807	V-C	0.217	4.599	40	22	0	0	117.807
Stage 2	-8.8	191.1	96.536	V-C	0.217	4.599	40	23	0	0	119.536
Stage 2	-8.9	192.55	97.265	V-C	0.217	4.599	40	24	0	0	121.265
Stage 2	-9	194	97.994	V-C	0.217	4.599	40	25	0	0	122.994
Stage 2	-9.1	195.45	98.722	V-C	0.217	4.599	40	26	0	0	124.722
Stage 2	-9.2	196.9	99.449	V-C	0.217	4.599	40	27	0	0	126.449
Stage 2	-9.3	198.35	100.176	V-C	0.217	4.599	40	28	0	0	128.176
Stage 2	-9.4	199.8	100.903	V-C	0.217	4.599	40	29	0	0	129.903
Stage 2	-9.5	201.25	101.629	V-C	0.217	4.599	40	30	0	0	131.629
Stage 2	-9.6	202.7	102.355	V-C	0.217	4.599	40	31	0	0	133.355
Stage 2	-9.7	204.15	103.08	V-C	0.217	4.599	40	32	0	0	135.08
Stage 2	-9.8	205.6	103.806	V-C	0.217	4.599	40	33	0	0	136.806
Stage 2	-9.9	207.05	104.531	V-C	0.217	4.599	40	34	0	0	138.531
Stage 2	-10	208.5	105.256	V-C	0.217	4.599	40	35	0	0	140.256

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	0.217	4.599	45	0	0	0	0
Stage A	-0.1	2.4	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.2	4.803	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.3	7.209	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.4	9.621	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.5	12.041	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.6	14.469	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.7	16.906	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.8	19.353	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-0.9	21.811	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-1	24.278	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-1.1	26.756	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage A	-1.2	29.242	0.81	UL-RL	0.217	4.599	45	0	0	0	0.81
Stage A	-1.3	31.737	2.611	UL-RL	0.217	4.599	45	0	0	0	2.611
Stage A	-1.4	34.24	4.414	UL-RL	0.217	4.599	45	0	0	0	4.414
Stage A	-1.5	36.75	6.214	UL-RL	0.217	4.599	45	0	0	0	6.214
Stage A	-1.6	39.265	8	UL-RL	0.217	4.599	45	0	0	0	8
Stage A	-1.7	41.786	9.763	UL-RL	0.217	4.599	45	0	0	0	9.763
Stage A	-1.8	44.31	11.494	UL-RL	0.217	4.599	45	0	0	0	11.494
Stage A	-1.9	46.837	13.185	UL-RL	0.217	4.599	45	0	0	0	13.185
Stage A	-2	49.367	14.833	UL-RL	0.217	4.599	45	0	0	0	14.833
Stage A	-2.1	51.898	16.435	UL-RL	0.217	4.599	45	0	0	0	16.435
Stage A	-2.2	54.429	17.99	UL-RL	0.217	4.599	45	0	0	0	17.99
Stage A	-2.3	56.961	19.501	UL-RL	0.217	4.599	45	0	0	0	19.501
Stage A	-2.4	59.492	20.967	UL-RL	0.217	4.599	45	0	0	0	20.967
Stage A	-2.5	62.022	22.393	UL-RL	0.217	4.599	45	0	0	0	22.393
Stage A	-2.6	64.55	23.781	UL-RL	0.217	4.599	45	0	0	0	23.781
Stage A	-2.7	67.077	25.134	UL-RL	0.217	4.599	45	0	0	0	25.134
Stage A	-2.8	69.601	26.457	UL-RL	0.217	4.599	45	0	0	0	26.457
Stage A	-2.9	72.123	27.751	UL-RL	0.217	4.599	45	0	0	0	27.751
Stage A	-3	74.643	29.022	UL-RL	0.217	4.599	45	0	0	0	29.022
Stage A	-3.1	77.4	30.392	UL-RL	0.217	4.599	40	0	0	0	30.392
Stage A	-3.2	80.024	31.68	UL-RL	0.217	4.599	40	0	0	0	31.68
Stage A	-3.3	82.641	32.951	UL-RL	0.217	4.599	40	0	0	0	32.951
Stage A	-3.4	85.46	34.313	UL-RL	0.217	4.599	40	0	0	0	34.313
Stage A	-3.5	88.058	35.557	UL-RL	0.217	4.599	40	0	0	0	35.557
Stage A	-3.6	90.848	36.892	UL-RL	0.217	4.599	40	0	0	0	36.892
Stage A	-3.7	93.429	38.12	UL-RL	0.217	4.599	40	0	0	0	38.12
Stage A	-3.8	96.005	39.343	UL-RL	0.217	4.599	40	0	0	0	39.343
Stage A	-3.9	98.76	40.655	UL-RL	0.217	4.599	40	0	0	0	40.655
Stage A	-4	101.323	41.871	UL-RL	0.217	4.599	40	0	0	0	41.871
Stage A	-4.1	103.882	43.088	UL-RL	0.217	4.599	40	0	0	0	43.088
Stage A	-4.2	106.608	44.389	UL-RL	0.217	4.599	40	0	0	0	44.389
Stage A	-4.3	109.156	45.604	UL-RL	0.217	4.599	40	0	0	0	45.604
Stage A	-4.4	111.863	46.901	UL-RL	0.217	4.599	40	0	0	0	46.901
Stage A	-4.5	114.401	48.116	UL-RL	0.217	4.599	40	0	0	0	48.116
Stage A	-4.6	116.936	49.333	UL-RL	0.217	4.599	40	0	0	0	49.333
Stage A	-4.7	119.621	50.627	UL-RL	0.217	4.599	40	0	0	0	50.627
Stage A	-4.8	122.148	51.845	UL-RL	0.217	4.599	40	0	0	0	51.845
Stage A	-4.9	124.819	53.137	UL-RL	0.217	4.599	40	0	0	0	53.137
Stage A	-5	127.339	54.356	UL-RL	0.217	4.599	40	0	0	0	54.356
Stage A	-5.1	129.857	55.576	UL-RL	0.217	4.599	40	0	0	0	55.576
Stage A	-5.2	132.511	56.866	UL-RL	0.217	4.599	40	0	0	0	56.866
Stage A	-5.3	135.022	58.087	UL-RL	0.217	4.599	40	0	0	0	58.087
Stage A	-5.4	137.665	59.375	UL-RL	0.217	4.599	40	0	0	0	59.375
Stage A	-5.5	140.171	60.596	UL-RL	0.217	4.599	40	0	0	0	60.596
Stage A	-5.6	142.676	61.818	UL-RL	0.217	4.599	40	0	0	0	61.818
Stage A	-5.7	145.304	63.102	UL-RL	0.217	4.599	40	0	0	0	63.102
Stage A	-5.8	147.804	64.324	UL-RL	0.217	4.599	40	0	0	0	64.324

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	-5.9	150.302	65.545	UL-RL	0.217	4.599	40	0	0	0	65.545
Stage A	-6	152.919	66.826	UL-RL	0.217	4.599	40	0	0	0	66.826
Stage A	-6.1	155.414	68.046	UL-RL	0.217	4.599	40	0	0	0	68.046
Stage A	-6.2	158.022	69.324	UL-RL	0.217	4.599	40	0	0	0	69.324
Stage A	-6.3	160.513	70.544	UL-RL	0.217	4.599	40	0	0	0	70.544
Stage A	-6.4	163.002	71.763	UL-RL	0.217	4.599	40	0	0	0	71.763
Stage A	-6.5	165.601	73.037	UL-RL	0.217	4.599	40	0	0	0	73.037
Stage A	-6.6	167.087	73.756	UL-RL	0.217	4.599	40	1	0	0	74.756
Stage A	-6.7	168.679	74.527	UL-RL	0.217	4.599	40	2	0	0	76.527
Stage A	-6.8	170.162	75.245	UL-RL	0.217	4.599	40	3	0	0	78.245
Stage A	-6.9	171.645	75.962	UL-RL	0.217	4.599	40	4	0	0	79.962
Stage A	-7	173.229	76.731	UL-RL	0.217	4.599	40	5	0	0	81.731
Stage A	-7.1	174.708	77.447	UL-RL	0.217	4.599	40	6	0	0	83.447
Stage A	-7.2	176.287	78.214	UL-RL	0.217	4.599	40	7	0	0	85.214
Stage A	-7.3	177.764	78.93	UL-RL	0.217	4.599	40	8	0	0	86.93
Stage A	-7.4	179.241	79.647	UL-RL	0.217	4.599	40	9	0	0	88.647
Stage A	-7.5	180.812	80.411	UL-RL	0.217	4.599	40	10	0	0	90.411
Stage A	-7.6	182.287	81.127	UL-RL	0.217	4.599	40	11	0	0	92.127
Stage A	-7.7	183.76	81.843	UL-RL	0.217	4.599	40	12	0	0	93.843
Stage A	-7.8	185.326	82.605	UL-RL	0.217	4.599	40	13	0	0	95.605
Stage A	-7.9	186.798	83.321	UL-RL	0.217	4.599	40	14	0	0	97.321
Stage A	-8	188.359	84.082	UL-RL	0.217	4.599	40	15	0	0	99.082
Stage A	-8.1	189.829	84.798	UL-RL	0.217	4.599	40	16	0	0	100.798
Stage A	-8.2	191.298	85.515	UL-RL	0.217	4.599	40	17	0	0	102.515
Stage A	-8.3	192.854	86.275	UL-RL	0.217	4.599	40	18	0	0	104.275
Stage A	-8.4	194.322	86.992	UL-RL	0.217	4.599	40	19	0	0	105.992
Stage A	-8.5	195.874	87.751	UL-RL	0.217	4.599	40	20	0	0	107.751
Stage A	-8.6	197.34	88.469	UL-RL	0.217	4.599	40	21	0	0	109.469
Stage A	-8.7	198.807	89.188	UL-RL	0.217	4.599	40	22	0	0	111.188
Stage A	-8.8	200.354	89.949	UL-RL	0.217	4.599	40	23	0	0	112.949
Stage A	-8.9	201.819	90.67	UL-RL	0.217	4.599	40	24	0	0	114.67
Stage A	-9	203.363	91.432	UL-RL	0.217	4.599	40	25	0	0	116.432
Stage A	-9.1	204.826	92.156	UL-RL	0.217	4.599	40	26	0	0	118.156
Stage A	-9.2	206.29	92.88	UL-RL	0.217	4.599	40	27	0	0	119.88
Stage A	-9.3	207.83	93.646	UL-RL	0.217	4.599	40	28	0	0	121.646
Stage A	-9.4	209.292	94.373	UL-RL	0.217	4.599	40	29	0	0	123.373
Stage A	-9.5	210.754	95.102	UL-RL	0.217	4.599	40	30	0	0	125.102
Stage A	-9.6	212.14	95.795	UL-RL	0.217	4.599	40	31	0	0	126.795
Stage A	-9.7	213.528	96.49	UL-RL	0.217	4.599	40	32	0	0	128.49
Stage A	-9.8	214.916	97.185	UL-RL	0.217	4.599	40	33	0	0	130.185
Stage A	-9.9	216.305	97.881	UL-RL	0.217	4.599	40	34	0	0	131.881
Stage A	-10	217.695	98.578	UL-RL	0.217	4.599	40	35	0	0	133.578

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	5.24	UL-RL	0.217	4.599	45	0	0	0	5.24
Stage A	-1.6	2.4	9.803	UL-RL	0.217	4.599	45	0	0	0	9.803
Stage A	-1.7	4.8	11.775	UL-RL	0.217	4.599	45	0	0	0	11.775
Stage A	-1.8	7.2	13.385	UL-RL	0.217	4.599	45	0	0	0	13.385
Stage A	-1.9	9.6	14.834	UL-RL	0.217	4.599	45	0	0	0	14.834
Stage A	-2	12	16.199	UL-RL	0.217	4.599	45	0	0	0	16.199
Stage A	-2.1	14.4	17.514	UL-RL	0.217	4.599	45	0	0	0	17.514
Stage A	-2.2	16.8	18.801	UL-RL	0.217	4.599	45	0	0	0	18.801
Stage A	-2.3	19.2	20.072	UL-RL	0.217	4.599	45	0	0	0	20.072
Stage A	-2.4	21.6	21.334	UL-RL	0.217	4.599	45	0	0	0	21.334
Stage A	-2.5	24	22.592	UL-RL	0.217	4.599	45	0	0	0	22.592
Stage A	-2.6	26.4	23.849	UL-RL	0.217	4.599	45	0	0	0	23.849
Stage A	-2.7	28.8	25.106	UL-RL	0.217	4.599	45	0	0	0	25.106
Stage A	-2.8	31.2	26.363	UL-RL	0.217	4.599	45	0	0	0	26.363
Stage A	-2.9	33.6	27.622	UL-RL	0.217	4.599	45	0	0	0	27.622
Stage A	-3	36	28.883	UL-RL	0.217	4.599	45	0	0	0	28.883
Stage A	-3.1	38.45	30.17	UL-RL	0.217	4.599	40	0	0	0	30.17
Stage A	-3.2	40.9	31.458	UL-RL	0.217	4.599	40	0	0	0	31.458
Stage A	-3.3	43.35	32.746	UL-RL	0.217	4.599	40	0	0	0	32.746
Stage A	-3.4	45.8	34.033	UL-RL	0.217	4.599	40	0	0	0	34.033
Stage A	-3.5	48.25	35.319	UL-RL	0.217	4.599	40	0	0	0	35.319
Stage A	-3.6	50.7	36.604	UL-RL	0.217	4.599	40	0	0	0	36.604
Stage A	-3.7	53.15	37.886	UL-RL	0.217	4.599	40	0	0	0	37.886
Stage A	-3.8	55.6	39.167	UL-RL	0.217	4.599	40	0	0	0	39.167
Stage A	-3.9	58.05	40.445	UL-RL	0.217	4.599	40	0	0	0	40.445
Stage A	-4	60.5	41.721	UL-RL	0.217	4.599	40	0	0	0	41.721
Stage A	-4.1	62.95	42.995	UL-RL	0.217	4.599	40	0	0	0	42.995
Stage A	-4.2	65.4	44.266	UL-RL	0.217	4.599	40	0	0	0	44.266
Stage A	-4.3	67.85	45.534	UL-RL	0.217	4.599	40	0	0	0	45.534
Stage A	-4.4	70.3	46.8	UL-RL	0.217	4.599	40	0	0	0	46.8
Stage A	-4.5	72.75	48.064	UL-RL	0.217	4.599	40	0	0	0	48.064
Stage A	-4.6	75.2	49.325	UL-RL	0.217	4.599	40	0	0	0	49.325
Stage A	-4.7	77.65	50.585	UL-RL	0.217	4.599	40	0	0	0	50.585
Stage A	-4.8	80.1	51.842	UL-RL	0.217	4.599	40	0	0	0	51.842
Stage A	-4.9	82.55	53.098	UL-RL	0.217	4.599	40	0	0	0	53.098
Stage A	-5	85	54.352	UL-RL	0.217	4.599	40	0	0	0	54.352
Stage A	-5.1	87.45	55.604	UL-RL	0.217	4.599	40	0	0	0	55.604
Stage A	-5.2	89.9	56.855	UL-RL	0.217	4.599	40	0	0	0	56.855
Stage A	-5.3	92.35	58.105	UL-RL	0.217	4.599	40	0	0	0	58.105
Stage A	-5.4	94.8	59.354	UL-RL	0.217	4.599	40	0	0	0	59.354
Stage A	-5.5	97.25	60.601	UL-RL	0.217	4.599	40	0	0	0	60.601
Stage A	-5.6	99.7	61.848	UL-RL	0.217	4.599	40	0	0	0	61.848
Stage A	-5.7	102.15	63.093	UL-RL	0.217	4.599	40	0	0	0	63.093
Stage A	-5.8	104.6	64.338	UL-RL	0.217	4.599	40	0	0	0	64.338
Stage A	-5.9	107.05	65.582	UL-RL	0.217	4.599	40	0	0	0	65.582
Stage A	-6	109.5	66.826	UL-RL	0.217	4.599	40	0	0	0	66.826
Stage A	-6.1	111.95	68.069	UL-RL	0.217	4.599	40	0	0	0	68.069

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	-6.2	114.4	69.312	UL-RL	0.217	4.599	40	0	0	0	69.312
Stage A	-6.3	116.85	70.554	UL-RL	0.217	4.599	40	0	0	0	70.554
Stage A	-6.4	119.3	71.795	UL-RL	0.217	4.599	40	0	0	0	71.795
Stage A	-6.5	121.75	73.037	UL-RL	0.217	4.599	40	0	0	0	73.037
Stage A	-6.6	123.2	73.773	UL-RL	0.217	4.599	40	1	0	0	74.773
Stage A	-6.7	124.65	74.51	UL-RL	0.217	4.599	40	2	0	0	76.51
Stage A	-6.8	126.1	75.246	UL-RL	0.217	4.599	40	3	0	0	78.246
Stage A	-6.9	127.55	75.983	UL-RL	0.217	4.599	40	4	0	0	79.983
Stage A	-7	129	76.719	UL-RL	0.217	4.599	40	5	0	0	81.719
Stage A	-7.1	130.45	77.455	UL-RL	0.217	4.599	40	6	0	0	83.455
Stage A	-7.2	131.9	78.191	UL-RL	0.217	4.599	40	7	0	0	85.191
Stage A	-7.3	133.35	78.926	UL-RL	0.217	4.599	40	8	0	0	86.926
Stage A	-7.4	134.8	79.662	UL-RL	0.217	4.599	40	9	0	0	88.662
Stage A	-7.5	136.25	80.397	UL-RL	0.217	4.599	40	10	0	0	90.397
Stage A	-7.6	137.7	81.132	UL-RL	0.217	4.599	40	11	0	0	92.132
Stage A	-7.7	139.15	81.867	UL-RL	0.217	4.599	40	12	0	0	93.867
Stage A	-7.8	140.6	82.602	UL-RL	0.217	4.599	40	13	0	0	95.602
Stage A	-7.9	142.05	83.337	UL-RL	0.217	4.599	40	14	0	0	97.337
Stage A	-8	143.5	84.071	UL-RL	0.217	4.599	40	15	0	0	99.071
Stage A	-8.1	144.95	84.805	UL-RL	0.217	4.599	40	16	0	0	100.805
Stage A	-8.2	146.4	85.539	UL-RL	0.217	4.599	40	17	0	0	102.539
Stage A	-8.3	147.85	86.273	UL-RL	0.217	4.599	40	18	0	0	104.273
Stage A	-8.4	149.3	87.006	UL-RL	0.217	4.599	40	19	0	0	106.006
Stage A	-8.5	150.75	87.74	UL-RL	0.217	4.599	40	20	0	0	107.74
Stage A	-8.6	152.2	88.472	UL-RL	0.217	4.599	40	21	0	0	109.472
Stage A	-8.7	153.65	89.205	UL-RL	0.217	4.599	40	22	0	0	111.205
Stage A	-8.8	155.1	89.937	UL-RL	0.217	4.599	40	23	0	0	112.937
Stage A	-8.9	156.55	90.669	UL-RL	0.217	4.599	40	24	0	0	114.668
Stage A	-9	158	91.4	UL-RL	0.217	4.599	40	25	0	0	116.4
Stage A	-9.1	159.45	92.13	UL-RL	0.217	4.599	40	26	0	0	118.13
Stage A	-9.2	160.9	92.86	UL-RL	0.217	4.599	40	27	0	0	119.86
Stage A	-9.3	162.35	93.59	UL-RL	0.217	4.599	40	28	0	0	121.59
Stage A	-9.4	163.8	94.319	UL-RL	0.217	4.599	40	29	0	0	123.319
Stage A	-9.5	165.25	95.048	UL-RL	0.217	4.599	40	30	0	0	125.048
Stage A	-9.6	166.7	95.776	UL-RL	0.217	4.599	40	31	0	0	126.776
Stage A	-9.7	168.15	96.504	UL-RL	0.217	4.599	40	32	0	0	128.504
Stage A	-9.8	169.6	97.231	UL-RL	0.217	4.599	40	33	0	0	130.232
Stage A	-9.9	171.05	97.959	UL-RL	0.217	4.599	40	34	0	0	131.959
Stage A	-10	172.5	98.686	UL-RL	0.217	4.599	40	35	0	0	133.686

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	2.858	V-C	0.217	4.599	45	0	0	0	2.858
Stage B	-0.1	2.4	4.165	V-C	0.217	4.599	45	0	0	0	4.165
Stage B	-0.2	4.803	7.467	V-C	0.217	4.599	45	0	0	0	7.467
Stage B	-0.3	7.209	10.763	V-C	0.217	4.599	45	0	0	0	10.763
Stage B	-0.4	9.621	14.044	V-C	0.217	4.599	45	0	0	0	14.044
Stage B	-0.5	12.041	17.294	V-C	0.217	4.599	45	0	0	0	17.294
Stage B	-0.6	14.469	20.481	V-C	0.217	4.599	45	0	0	0	20.481
Stage B	-0.7	16.906	23.561	V-C	0.217	4.599	45	0	0	0	23.561
Stage B	-0.8	19.353	26.477	V-C	0.217	4.599	45	0	0	0	26.477
Stage B	-0.9	21.811	29.152	V-C	0.217	4.599	45	0	0	0	29.152
Stage B	-1	24.278	31.488	V-C	0.217	4.599	45	0	0	0	31.488
Stage B	-1.1	26.756	33.366	V-C	0.217	4.599	45	0	0	0	33.366
Stage B	-1.2	29.242	35.148	V-C	0.217	4.599	45	0	0	0	35.148
Stage B	-1.3	31.737	36.779	V-C	0.217	4.599	45	0	0	0	36.779
Stage B	-1.4	34.24	37.521	V-C	0.217	4.599	45	0	0	0	37.521
Stage B	-1.5	36.75	37.534	V-C	0.217	4.599	45	0	0	0	37.534
Stage B	-1.6	39.265	37.026	V-C	0.217	4.599	45	0	0	0	37.026
Stage B	-1.7	41.786	36.178	V-C	0.217	4.599	45	0	0	0	36.178
Stage B	-1.8	44.31	35.139	V-C	0.217	4.599	45	0	0	0	35.139
Stage B	-1.9	46.837	34.034	V-C	0.217	4.599	45	0	0	0	34.034
Stage B	-2	49.367	32.959	V-C	0.217	4.599	45	0	0	0	32.959
Stage B	-2.1	51.898	31.987	V-C	0.217	4.599	45	0	0	0	31.987
Stage B	-2.2	54.429	31.169	V-C	0.217	4.599	45	0	0	0	31.169
Stage B	-2.3	56.961	30.541	V-C	0.217	4.599	45	0	0	0	30.541
Stage B	-2.4	59.492	30.121	V-C	0.217	4.599	45	0	0	0	30.121
Stage B	-2.5	62.022	29.264	UL-RL	0.217	4.599	45	0	0	0	29.264
Stage B	-2.6	64.55	28.524	UL-RL	0.217	4.599	45	0	0	0	28.524
Stage B	-2.7	67.077	28.114	UL-RL	0.217	4.599	45	0	0	0	28.114
Stage B	-2.8	69.601	28.007	UL-RL	0.217	4.599	45	0	0	0	28.007
Stage B	-2.9	72.123	28.177	UL-RL	0.217	4.599	45	0	0	0	28.177
Stage B	-3	74.643	28.59	UL-RL	0.217	4.599	45	0	0	0	28.59
Stage B	-3.1	77.4	29.334	UL-RL	0.217	4.599	40	0	0	0	29.334
Stage B	-3.2	80.024	30.192	UL-RL	0.217	4.599	40	0	0	0	30.192
Stage B	-3.3	82.641	31.195	UL-RL	0.217	4.599	40	0	0	0	31.195
Stage B	-3.4	85.46	32.421	UL-RL	0.217	4.599	40	0	0	0	32.421
Stage B	-3.5	88.058	33.632	UL-RL	0.217	4.599	40	0	0	0	33.632
Stage B	-3.6	90.848	35.012	UL-RL	0.217	4.599	40	0	0	0	35.012
Stage B	-3.7	93.429	36.341	UL-RL	0.217	4.599	40	0	0	0	36.341
Stage B	-3.8	96.005	37.706	UL-RL	0.217	4.599	40	0	0	0	37.706
Stage B	-3.9	98.76	39.183	UL-RL	0.217	4.599	40	0	0	0	39.183
Stage B	-4	101.323	40.577	UL-RL	0.217	4.599	40	0	0	0	40.577
Stage B	-4.1	103.882	41.972	UL-RL	0.217	4.599	40	0	0	0	41.972
Stage B	-4.2	106.608	43.448	UL-RL	0.217	4.599	40	0	0	0	43.448
Stage B	-4.3	109.156	44.828	UL-RL	0.217	4.599	40	0	0	0	44.828
Stage B	-4.4	111.863	46.277	UL-RL	0.217	4.599	40	0	0	0	46.277
Stage B	-4.5	114.401	47.629	UL-RL	0.217	4.599	40	0	0	0	47.629
Stage B	-4.6	116.936	48.965	UL-RL	0.217	4.599	40	0	0	0	48.965
Stage B	-4.7	119.621	50.362	UL-RL	0.217	4.599	40	0	0	0	50.362
Stage B	-4.8	122.148	51.667	UL-RL	0.217	4.599	40	0	0	0	51.667
Stage B	-4.9	124.819	53.03	UL-RL	0.217	4.599	40	0	0	0	53.03
Stage B	-5	127.339	54.306	UL-RL	0.217	4.599	40	0	0	0	54.306
Stage B	-5.1	129.857	55.571	UL-RL	0.217	4.599	40	0	0	0	55.571
Stage B	-5.2	132.511	56.895	UL-RL	0.217	4.599	40	0	0	0	56.895
Stage B	-5.3	135.022	58.14	UL-RL	0.217	4.599	40	0	0	0	58.14
Stage B	-5.4	137.665	59.444	UL-RL	0.217	4.599	40	0	0	0	59.444
Stage B	-5.5	140.171	60.674	UL-RL	0.217	4.599	40	0	0	0	60.674
Stage B	-5.6	142.676	61.9	UL-RL	0.217	4.599	40	0	0	0	61.9
Stage B	-5.7	145.304	63.185	UL-RL	0.217	4.599	40	0	0	0	63.185
Stage B	-5.8	147.804	64.404	UL-RL	0.217	4.599	40	0	0	0	64.404

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	-5.9	150.302	65.62	UL-RL	0.217	4.599	40	0	0	0	65.62
Stage B	-6	152.919	66.894	UL-RL	0.217	4.599	40	0	0	0	66.894
Stage B	-6.1	155.414	68.107	UL-RL	0.217	4.599	40	0	0	0	68.107
Stage B	-6.2	158.022	69.378	UL-RL	0.217	4.599	40	0	0	0	69.378
Stage B	-6.3	160.513	70.59	UL-RL	0.217	4.599	40	0	0	0	70.59
Stage B	-6.4	163.002	71.801	UL-RL	0.217	4.599	40	0	0	0	71.801
Stage B	-6.5	165.601	73.069	UL-RL	0.217	4.599	40	0	0	0	73.069
Stage B	-6.6	167.087	73.781	UL-RL	0.217	4.599	40	1	0	0	74.781
Stage B	-6.7	168.679	74.547	UL-RL	0.217	4.599	40	2	0	0	76.547
Stage B	-6.8	170.162	75.259	UL-RL	0.217	4.599	40	3	0	0	78.259
Stage B	-6.9	171.645	75.972	UL-RL	0.217	4.599	40	4	0	0	79.972
Stage B	-7	173.229	76.737	UL-RL	0.217	4.599	40	5	0	0	81.737
Stage B	-7.1	174.708	77.451	UL-RL	0.217	4.599	40	6	0	0	83.451
Stage B	-7.2	176.287	78.215	UL-RL	0.217	4.599	40	7	0	0	85.215
Stage B	-7.3	177.764	78.93	UL-RL	0.217	4.599	40	8	0	0	86.93
Stage B	-7.4	179.241	79.645	UL-RL	0.217	4.599	40	9	0	0	88.645
Stage B	-7.5	180.812	80.408	UL-RL	0.217	4.599	40	10	0	0	90.408
Stage B	-7.6	182.287	81.124	UL-RL	0.217	4.599	40	11	0	0	92.124
Stage B	-7.7	183.76	81.84	UL-RL	0.217	4.599	40	12	0	0	93.84
Stage B	-7.8	185.326	82.602	UL-RL	0.217	4.599	40	13	0	0	95.602
Stage B	-7.9	186.798	83.318	UL-RL	0.217	4.599	40	14	0	0	97.318
Stage B	-8	188.359	84.079	UL-RL	0.217	4.599	40	15	0	0	99.079
Stage B	-8.1	189.829	84.795	UL-RL	0.217	4.599	40	16	0	0	100.795
Stage B	-8.2	191.298	85.512	UL-RL	0.217	4.599	40	17	0	0	102.512
Stage B	-8.3	192.854	86.272	UL-RL	0.217	4.599	40	18	0	0	104.272
Stage B	-8.4	194.322	86.989	UL-RL	0.217	4.599	40	19	0	0	105.989
Stage B	-8.5	195.874	87.75	UL-RL	0.217	4.599	40	20	0	0	107.75
Stage B	-8.6	197.34	88.468	UL-RL	0.217	4.599	40	21	0	0	109.468
Stage B	-8.7	198.807	89.187	UL-RL	0.217	4.599	40	22	0	0	111.187
Stage B	-8.8	200.354	89.948	UL-RL	0.217	4.599	40	23	0	0	112.948
Stage B	-8.9	201.819	90.669	UL-RL	0.217	4.599	40	24	0	0	114.669
Stage B	-9	203.363	91.432	UL-RL	0.217	4.599	40	25	0	0	116.432
Stage B	-9.1	204.826	92.155	UL-RL	0.217	4.599	40	26	0	0	118.155
Stage B	-9.2	206.29	92.88	UL-RL	0.217	4.599	40	27	0	0	119.88
Stage B	-9.3	207.83	93.645	UL-RL	0.217	4.599	40	28	0	0	121.645
Stage B	-9.4	209.292	94.373	UL-RL	0.217	4.599	40	29	0	0	123.373
Stage B	-9.5	210.754	95.103	UL-RL	0.217	4.599	40	30	0	0	125.103
Stage B	-9.6	212.14	95.796	UL-RL	0.217	4.599	40	31	0	0	126.796
Stage B	-9.7	213.528	96.49	UL-RL	0.217	4.599	40	32	0	0	128.49
Stage B	-9.8	214.916	97.185	UL-RL	0.217	4.599	40	33	0	0	130.185
Stage B	-9.9	216.305	97.882	UL-RL	0.217	4.599	40	34	0	0	131.882
Stage B	-10	217.695	98.579	UL-RL	0.217	4.599	40	35	0	0	133.578

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	0.217	4.599	45	0	0	0	0
Stage B	-1.6	2.4	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage B	-1.7	4.8	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage B	-1.8	7.2	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage B	-1.9	9.6	2.997	UL-RL	0.217	4.599	45	0	0	0	2.997
Stage B	-2	12	6.156	UL-RL	0.217	4.599	45	0	0	0	6.156
Stage B	-2.1	14.4	9.175	UL-RL	0.217	4.599	45	0	0	0	9.175
Stage B	-2.2	16.8	12.038	UL-RL	0.217	4.599	45	0	0	0	12.038
Stage B	-2.3	19.2	14.733	UL-RL	0.217	4.599	45	0	0	0	14.733
Stage B	-2.4	21.6	17.255	UL-RL	0.217	4.599	45	0	0	0	17.255
Stage B	-2.5	24	19.604	UL-RL	0.217	4.599	45	0	0	0	19.604
Stage B	-2.6	26.4	21.786	UL-RL	0.217	4.599	45	0	0	0	21.786
Stage B	-2.7	28.8	23.81	UL-RL	0.217	4.599	45	0	0	0	23.81
Stage B	-2.8	31.2	25.689	UL-RL	0.217	4.599	45	0	0	0	25.689
Stage B	-2.9	33.6	27.437	UL-RL	0.217	4.599	45	0	0	0	27.437
Stage B	-3	36	29.071	UL-RL	0.217	4.599	45	0	0	0	29.071
Stage B	-3.1	38.45	30.631	UL-RL	0.217	4.599	40	0	0	0	30.631
Stage B	-3.2	40.9	32.105	UL-RL	0.217	4.599	40	0	0	0	32.105
Stage B	-3.3	43.35	33.51	UL-RL	0.217	4.599	40	0	0	0	33.51
Stage B	-3.4	45.8	34.856	UL-RL	0.217	4.599	40	0	0	0	34.856
Stage B	-3.5	48.25	36.157	UL-RL	0.217	4.599	40	0	0	0	36.157
Stage B	-3.6	50.7	37.421	UL-RL	0.217	4.599	40	0	0	0	37.421
Stage B	-3.7	53.15	38.66	UL-RL	0.217	4.599	40	0	0	0	38.66
Stage B	-3.8	55.6	39.879	UL-RL	0.217	4.599	40	0	0	0	39.879
Stage B	-3.9	58.05	41.086	UL-RL	0.217	4.599	40	0	0	0	41.086
Stage B	-4	60.5	42.284	UL-RL	0.217	4.599	40	0	0	0	42.284
Stage B	-4.1	62.95	43.48	UL-RL	0.217	4.599	40	0	0	0	43.48
Stage B	-4.2	65.4	44.675	UL-RL	0.217	4.599	40	0	0	0	44.675
Stage B	-4.3	67.85	45.871	UL-RL	0.217	4.599	40	0	0	0	45.871
Stage B	-4.4	70.3	47.071	UL-RL	0.217	4.599	40	0	0	0	47.071
Stage B	-4.5	72.75	48.276	UL-RL	0.217	4.599	40	0	0	0	48.276
Stage B	-4.6	75.2	49.485	UL-RL	0.217	4.599	40	0	0	0	49.485
Stage B	-4.7	77.65	50.7	UL-RL	0.217	4.599	40	0	0	0	50.7
Stage B	-4.8	80.1	51.92	UL-RL	0.217	4.599	40	0	0	0	51.92
Stage B	-4.9	82.55	53.144	UL-RL	0.217	4.599	40	0	0	0	53.144
Stage B	-5	85	54.373	UL-RL	0.217	4.599	40	0	0	0	54.373
Stage B	-5.1	87.45	55.606	UL-RL	0.217	4.599	40	0	0	0	55.606
Stage B	-5.2	89.9	56.843	UL-RL	0.217	4.599	40	0	0	0	56.843
Stage B	-5.3	92.35	58.082	UL-RL	0.217	4.599	40	0	0	0	58.082
Stage B	-5.4	94.8	59.324	UL-RL	0.217	4.599	40	0	0	0	59.324
Stage B	-5.5	97.25	60.567	UL-RL	0.217	4.599	40	0	0	0	60.567
Stage B	-5.6	99.7	61.812	UL-RL	0.217	4.599	40	0	0	0	61.812
Stage B	-5.7	102.15	63.057	UL-RL	0.217	4.599	40	0	0	0	63.057
Stage B	-5.8	104.6	64.303	UL-RL	0.217	4.599	40	0	0	0	64.303
Stage B	-5.9	107.05	65.55	UL-RL	0.217	4.599	40	0	0	0	65.55
Stage B	-6	109.5	66.796	UL-RL	0.217	4.599	40	0	0	0	66.796
Stage B	-6.1	111.95	68.043	UL-RL	0.217	4.599	40	0	0	0	68.043

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	-6.2	114.4	69.288	UL-RL	0.217	4.599	40	0	0	0	69.288
Stage B	-6.3	116.85	70.534	UL-RL	0.217	4.599	40	0	0	0	70.534
Stage B	-6.4	119.3	71.779	UL-RL	0.217	4.599	40	0	0	0	71.779
Stage B	-6.5	121.75	73.023	UL-RL	0.217	4.599	40	0	0	0	73.023
Stage B	-6.6	123.2	73.762	UL-RL	0.217	4.599	40	1	0	0	74.762
Stage B	-6.7	124.65	74.502	UL-RL	0.217	4.599	40	2	0	0	76.502
Stage B	-6.8	126.1	75.24	UL-RL	0.217	4.599	40	3	0	0	78.24
Stage B	-6.9	127.55	75.978	UL-RL	0.217	4.599	40	4	0	0	79.978
Stage B	-7	129	76.716	UL-RL	0.217	4.599	40	5	0	0	81.716
Stage B	-7.1	130.45	77.453	UL-RL	0.217	4.599	40	6	0	0	83.453
Stage B	-7.2	131.9	78.19	UL-RL	0.217	4.599	40	7	0	0	85.19
Stage B	-7.3	133.35	78.927	UL-RL	0.217	4.599	40	8	0	0	86.927
Stage B	-7.4	134.8	79.663	UL-RL	0.217	4.599	40	9	0	0	88.663
Stage B	-7.5	136.25	80.398	UL-RL	0.217	4.599	40	10	0	0	90.398
Stage B	-7.6	137.7	81.134	UL-RL	0.217	4.599	40	11	0	0	92.134
Stage B	-7.7	139.15	81.869	UL-RL	0.217	4.599	40	12	0	0	93.869
Stage B	-7.8	140.6	82.604	UL-RL	0.217	4.599	40	13	0	0	95.604
Stage B	-7.9	142.05	83.338	UL-RL	0.217	4.599	40	14	0	0	97.338
Stage B	-8	143.5	84.073	UL-RL	0.217	4.599	40	15	0	0	99.073
Stage B	-8.1	144.95	84.807	UL-RL	0.217	4.599	40	16	0	0	100.807
Stage B	-8.2	146.4	85.541	UL-RL	0.217	4.599	40	17	0	0	102.54
Stage B	-8.3	147.85	86.274	UL-RL	0.217	4.599	40	18	0	0	104.274
Stage B	-8.4	149.3	87.007	UL-RL	0.217	4.599	40	19	0	0	106.007
Stage B	-8.5	150.75	87.74	UL-RL	0.217	4.599	40	20	0	0	107.74
Stage B	-8.6	152.2	88.473	UL-RL	0.217	4.599	40	21	0	0	109.473
Stage B	-8.7	153.65	89.205	UL-RL	0.217	4.599	40	22	0	0	111.205
Stage B	-8.8	155.1	89.937	UL-RL	0.217	4.599	40	23	0	0	112.937
Stage B	-8.9	156.55	90.669	UL-RL	0.217	4.599	40	24	0	0	114.669
Stage B	-9	158	91.4	UL-RL	0.217	4.599	40	25	0	0	116.4
Stage B	-9.1	159.45	92.131	UL-RL	0.217	4.599	40	26	0	0	118.13
Stage B	-9.2	160.9	92.861	UL-RL	0.217	4.599	40	27	0	0	119.861
Stage B	-9.3	162.35	93.59	UL-RL	0.217	4.599	40	28	0	0	121.59
Stage B	-9.4	163.8	94.319	UL-RL	0.217	4.599	40	29	0	0	123.319
Stage B	-9.5	165.25	95.048	UL-RL	0.217	4.599	40	30	0	0	125.048
Stage B	-9.6	166.7	95.776	UL-RL	0.217	4.599	40	31	0	0	126.776
Stage B	-9.7	168.15	96.504	UL-RL	0.217	4.599	40	32	0	0	128.504
Stage B	-9.8	169.6	97.231	UL-RL	0.217	4.599	40	33	0	0	130.231
Stage B	-9.9	171.05	97.959	UL-RL	0.217	4.599	40	34	0	0	131.959
Stage B	-10	172.5	98.686	UL-RL	0.217	4.599	40	35	0	0	133.686

Tabella Risultati Terreno Left Wall - Nominal - Stage 3-

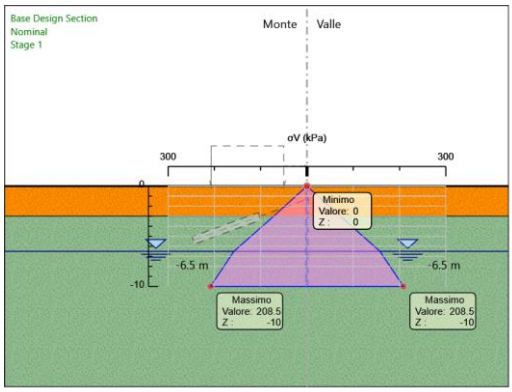
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)		Peq (kPa)
Stage 3-	0	0	6.968	V-C	0.217	4.599	45	0	0	0	6.968
Stage 3-	-0.1	2.4	7.907	V-C	0.217	4.599	45	0	0	0	7.907
Stage 3-	-0.2	4.803	10.84	V-C	0.217	4.599	45	0	0	0	10.84
Stage 3-	-0.3	7.209	13.766	V-C	0.217	4.599	45	0	0	0	13.766
Stage 3-	-0.4	9.621	16.672	V-C	0.217	4.599	45	0	0	0	16.672
Stage 3-	-0.5	12.041	19.54	V-C	0.217	4.599	45	0	0	0	19.54
Stage 3-	-0.6	14.469	22.335	V-C	0.217	4.599	45	0	0	0	22.335
Stage 3-	-0.7	16.906	25.01	V-C	0.217	4.599	45	0	0	0	25.01
Stage 3-	-0.8	19.353	27.501	V-C	0.217	4.599	45	0	0	0	27.501
Stage 3-	-0.9	21.811	29.728	V-C	0.217	4.599	45	0	0	0	29.728
Stage 3-	-1	24.278	31.588	V-C	0.217	4.599	45	0	0	0	31.588
Stage 3-	-1.1	26.756	32.712	UL-RL	0.217	4.599	45	0	0	0	32.712
Stage 3-	-1.2	29.242	33.618	UL-RL	0.217	4.599	45	0	0	0	33.618
Stage 3-	-1.3	31.737	34.304	UL-RL	0.217	4.599	45	0	0	0	34.304
Stage 3-	-1.4	34.24	34.025	UL-RL	0.217	4.599	45	0	0	0	34.025
Stage 3-	-1.5	36.75	32.935	UL-RL	0.217	4.599	45	0	0	0	32.935
Stage 3-	-1.6	39.265	31.237	UL-RL	0.217	4.599	45	0	0	0	31.237
Stage 3-	-1.7	41.786	29.107	UL-RL	0.217	4.599	45	0	0	0	29.107
Stage 3-	-1.8	44.31	26.695	UL-RL	0.217	4.599	45	0	0	0	26.695
Stage 3-	-1.9	46.837	24.127	UL-RL	0.217	4.599	45	0	0	0	24.127
Stage 3-	-2	49.367	21.503	UL-RL	0.217	4.599	45	0	0	0	21.503
Stage 3-	-2.1	51.898	18.903	UL-RL	0.217	4.599	45	0	0	0	18.903
Stage 3-	-2.2	54.429	16.388	UL-RL	0.217	4.599	45	0	0	0	16.388
Stage 3-	-2.3	56.961	14.003	UL-RL	0.217	4.599	45	0	0	0	14.003
Stage 3-	-2.4	59.492	11.78	UL-RL	0.217	4.599	45	0	0	0	11.78
Stage 3-	-2.5	62.022	9.083	UL-RL	0.217	4.599	45	0	0	0	9.083
Stage 3-	-2.6	64.55	6.482	UL-RL	0.217	4.599	45	0	0	0	6.482
Stage 3-	-2.7	67.077	4.199	UL-RL	0.217	4.599	45	0	0	0	4.199
Stage 3-	-2.8	69.601	2.224	UL-RL	0.217	4.599	45	0	0	0	2.224
Stage 3-	-2.9	72.123	0.54	UL-RL	0.217	4.599	45	0	0	0	0.54
Stage 3-	-3	74.643	0	ACTIVE	0.217	4.599	45	0	0	0	0
Stage 3-	-3.1	77.4	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.2	80.024	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.3	82.641	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.4	85.46	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.5	88.058	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.6	90.848	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.7	93.429	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.8	96.005	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-3.9	98.76	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4	101.323	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4.1	103.882	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4.2	106.608	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4.3	109.156	0	ACTIVE	0.217	4.599	40	0	0	0	0
Stage 3-	-4.4	111.863	0.549	UL-RL	0.217	4.599	40	0	0	0	0.549
Stage 3-	-4.5	114.401	1.718	UL-RL	0.217	4.599	40	0	0	0	1.718
Stage 3-	-4.6	116.936	3.029	UL-RL	0.217	4.599	40	0	0	0	3.029
Stage 3-	-4.7	119.621	4.561	UL-RL	0.217	4.599	40	0	0	0	4.561
Stage 3-	-4.8	122.148	6.161	UL-RL	0.217	4.599	40	0	0	0	6.161
Stage 3-	-4.9	124.819	7.98	UL-RL	0.217	4.599	40	0	0	0	7.98
Stage 3-	-5	127.339	9.868	UL-RL	0.217	4.599	40	0	0	0	9.868
Stage 3-	-5.1	129.857	11.896	UL-RL	0.217	4.599	40	0	0	0	11.896
Stage 3-	-5.2	132.511	14.122	UL-RL	0.217	4.599	40	0	0	0	14.122
Stage 3-	-5.3	135.022	16.396	UL-RL	0.217	4.599	40	0	0	0	16.396
Stage 3-	-5.4	137.665	18.836	UL-RL	0.217	4.599	40	0	0	0	18.836
Stage 3-	-5.5	140.171	21.284	UL-RL	0.217	4.599	40	0	0	0	21.284
Stage 3-	-5.6	142.676	23.777	UL-RL	0.217	4.599	40	0	0	0	23.777
Stage 3-	-5.7	145.304	26.351	UL-RL	0.217	4.599	40	0	0	0	26.351
Stage 3-	-5.8	147.804	28.857	UL-RL	0.217	4.599	40	0	0	0	28.857

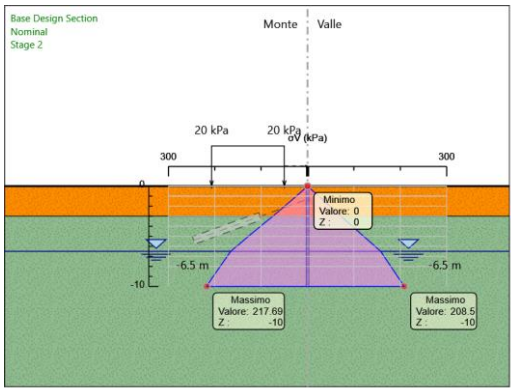
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	-5.9	150.302	31.337	UL-RL	0.217	4.599	40	0	0	0	31.337
Stage 3-	-6	152.919	33.836	UL-RL	0.217	4.599	40	0	0	0	33.836
Stage 3-	-6.1	155.414	36.219	UL-RL	0.217	4.599	40	0	0	0	36.219
Stage 3-	-6.2	158.022	38.597	UL-RL	0.217	4.599	40	0	0	0	38.597
Stage 3-	-6.3	160.513	40.845	UL-RL	0.217	4.599	40	0	0	0	40.845
Stage 3-	-6.4	163.002	43.018	UL-RL	0.217	4.599	40	0	0	0	43.018
Stage 3-	-6.5	165.601	45.169	UL-RL	0.217	4.599	40	0	0	0	45.169
Stage 3-	-6.6	167.087	46.687	UL-RL	0.217	4.599	40	1	0	0	47.687
Stage 3-	-6.7	168.679	48.181	UL-RL	0.217	4.599	40	2	0	0	50.181
Stage 3-	-6.8	170.162	49.547	UL-RL	0.217	4.599	40	3	0	0	52.547
Stage 3-	-6.9	171.645	50.842	UL-RL	0.217	4.599	40	4	0	0	54.842
Stage 3-	-7	173.229	52.122	UL-RL	0.217	4.599	40	5	0	0	57.122
Stage 3-	-7.1	174.708	53.288	UL-RL	0.217	4.599	40	6	0	0	59.288
Stage 3-	-7.2	176.287	54.446	UL-RL	0.217	4.599	40	7	0	0	61.446
Stage 3-	-7.3	177.764	55.503	UL-RL	0.217	4.599	40	8	0	0	63.503
Stage 3-	-7.4	179.241	56.512	UL-RL	0.217	4.599	40	9	0	0	65.512
Stage 3-	-7.5	180.812	57.528	UL-RL	0.217	4.599	40	10	0	0	67.528
Stage 3-	-7.6	182.287	58.458	UL-RL	0.217	4.599	40	11	0	0	69.458
Stage 3-	-7.7	183.76	59.356	UL-RL	0.217	4.599	40	12	0	0	71.356
Stage 3-	-7.8	185.326	60.272	UL-RL	0.217	4.599	40	13	0	0	73.272
Stage 3-	-7.9	186.798	61.117	UL-RL	0.217	4.599	40	14	0	0	75.117
Stage 3-	-8	188.359	61.987	UL-RL	0.217	4.599	40	15	0	0	76.987
Stage 3-	-8.1	189.829	62.795	UL-RL	0.217	4.599	40	16	0	0	78.795
Stage 3-	-8.2	191.298	63.589	UL-RL	0.217	4.599	40	17	0	0	80.589
Stage 3-	-8.3	192.854	64.415	UL-RL	0.217	4.599	40	18	0	0	82.414
Stage 3-	-8.4	194.322	65.188	UL-RL	0.217	4.599	40	19	0	0	84.188
Stage 3-	-8.5	195.874	65.997	UL-RL	0.217	4.599	40	20	0	0	85.997
Stage 3-	-8.6	197.34	66.759	UL-RL	0.217	4.599	40	21	0	0	87.759
Stage 3-	-8.7	198.807	67.517	UL-RL	0.217	4.599	40	22	0	0	89.517
Stage 3-	-8.8	200.354	68.315	UL-RL	0.217	4.599	40	23	0	0	91.315
Stage 3-	-8.9	201.819	69.07	UL-RL	0.217	4.599	40	24	0	0	93.07
Stage 3-	-9	203.363	69.865	UL-RL	0.217	4.599	40	25	0	0	94.865
Stage 3-	-9.1	204.826	70.62	UL-RL	0.217	4.599	40	26	0	0	96.62
Stage 3-	-9.2	206.29	71.377	UL-RL	0.217	4.599	40	27	0	0	98.377
Stage 3-	-9.3	207.83	72.174	UL-RL	0.217	4.599	40	28	0	0	100.174
Stage 3-	-9.4	209.292	72.933	UL-RL	0.217	4.599	40	29	0	0	101.933
Stage 3-	-9.5	210.754	73.694	UL-RL	0.217	4.599	40	30	0	0	103.694
Stage 3-	-9.6	212.14	74.419	UL-RL	0.217	4.599	40	31	0	0	105.419
Stage 3-	-9.7	213.528	75.145	UL-RL	0.217	4.599	40	32	0	0	107.145
Stage 3-	-9.8	214.916	75.873	UL-RL	0.217	4.599	40	33	0	0	108.873
Stage 3-	-9.9	216.305	76.602	UL-RL	0.217	4.599	40	34	0	0	110.602
Stage 3-	-10	217.695	77.331	UL-RL	0.217	4.599	40	35	0	0	112.331

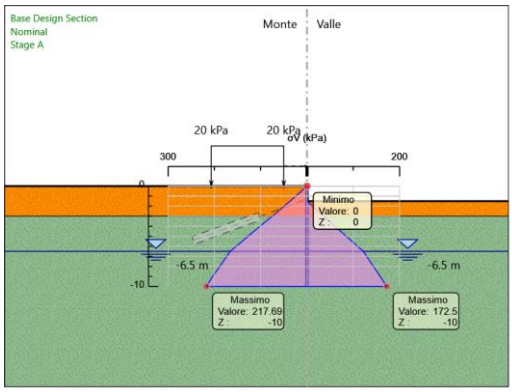
Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 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	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3-	-5.5	2.45	31.303	UL-RL	0.217	4.599	40	0	0	0	31.303
Stage 3-	-5.6	4.9	34.568	UL-RL	0.217	4.599	40	0	0	0	34.568
Stage 3-	-5.7	7.35	37.004	UL-RL	0.217	4.599	40	0	0	0	37.004
Stage 3-	-5.8	9.8	39.031	UL-RL	0.217	4.599	40	0	0	0	39.031
Stage 3-	-5.9	12.25	40.812	UL-RL	0.217	4.599	40	0	0	0	40.812
Stage 3-	-6	14.7	42.436	UL-RL	0.217	4.599	40	0	0	0	42.436
Stage 3-	-6.1	17.15	43.954	UL-RL	0.217	4.599	40	0	0	0	43.954

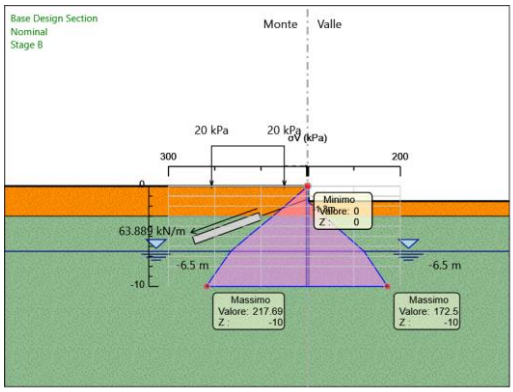
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3-	-6.2	19.6	45.4	UL-RL	0.217	4.599	40	0	0	0	45.4
Stage 3-	-6.3	22.05	46.8	UL-RL	0.217	4.599	40	0	0	0	46.8
Stage 3-	-6.4	24.5	48.169	UL-RL	0.217	4.599	40	0	0	0	48.169
Stage 3-	-6.5	26.95	49.519	UL-RL	0.217	4.599	40	0	0	0	49.519
Stage 3-	-6.6	28.4	50.166	UL-RL	0.217	4.599	40	1	0	0	51.166
Stage 3-	-6.7	29.85	50.834	UL-RL	0.217	4.599	40	2	0	0	52.834
Stage 3-	-6.8	31.3	51.524	UL-RL	0.217	4.599	40	3	0	0	54.524
Stage 3-	-6.9	32.75	52.234	UL-RL	0.217	4.599	40	4	0	0	56.234
Stage 3-	-7	34.2	52.965	UL-RL	0.217	4.599	40	5	0	0	57.965
Stage 3-	-7.1	35.65	53.714	UL-RL	0.217	4.599	40	6	0	0	59.714
Stage 3-	-7.2	37.1	54.48	UL-RL	0.217	4.599	40	7	0	0	61.48
Stage 3-	-7.3	38.55	55.262	UL-RL	0.217	4.599	40	8	0	0	63.262
Stage 3-	-7.4	40	56.057	UL-RL	0.217	4.599	40	9	0	0	65.057
Stage 3-	-7.5	41.45	56.864	UL-RL	0.217	4.599	40	10	0	0	66.864
Stage 3-	-7.6	42.9	57.681	UL-RL	0.217	4.599	40	11	0	0	68.681
Stage 3-	-7.7	44.35	58.507	UL-RL	0.217	4.599	40	12	0	0	70.507
Stage 3-	-7.8	45.8	59.339	UL-RL	0.217	4.599	40	13	0	0	72.339
Stage 3-	-7.9	47.25	60.176	UL-RL	0.217	4.599	40	14	0	0	74.176
Stage 3-	-8	48.7	61.017	UL-RL	0.217	4.599	40	15	0	0	76.017
Stage 3-	-8.1	50.15	61.86	UL-RL	0.217	4.599	40	16	0	0	77.86
Stage 3-	-8.2	51.6	62.705	UL-RL	0.217	4.599	40	17	0	0	79.705
Stage 3-	-8.3	53.05	63.55	UL-RL	0.217	4.599	40	18	0	0	81.55
Stage 3-	-8.4	54.5	64.395	UL-RL	0.217	4.599	40	19	0	0	83.395
Stage 3-	-8.5	55.95	65.239	UL-RL	0.217	4.599	40	20	0	0	85.238
Stage 3-	-8.6	57.4	66.08	UL-RL	0.217	4.599	40	21	0	0	87.08
Stage 3-	-8.7	58.85	66.92	UL-RL	0.217	4.599	40	22	0	0	88.92
Stage 3-	-8.8	60.3	67.756	UL-RL	0.217	4.599	40	23	0	0	90.756
Stage 3-	-8.9	61.75	68.59	UL-RL	0.217	4.599	40	24	0	0	92.59
Stage 3-	-9	63.2	69.42	UL-RL	0.217	4.599	40	25	0	0	94.42
Stage 3-	-9.1	64.65	70.247	UL-RL	0.217	4.599	40	26	0	0	96.247
Stage 3-	-9.2	66.1	71.071	UL-RL	0.217	4.599	40	27	0	0	98.071
Stage 3-	-9.3	67.55	71.891	UL-RL	0.217	4.599	40	28	0	0	99.891
Stage 3-	-9.4	69	72.708	UL-RL	0.217	4.599	40	29	0	0	101.708
Stage 3-	-9.5	70.45	73.521	UL-RL	0.217	4.599	40	30	0	0	103.522
Stage 3-	-9.6	71.9	74.332	UL-RL	0.217	4.599	40	31	0	0	105.332
Stage 3-	-9.7	73.35	75.139	UL-RL	0.217	4.599	40	32	0	0	107.14
Stage 3-	-9.8	74.8	75.944	UL-RL	0.217	4.599	40	33	0	0	108.944
Stage 3-	-9.9	76.25	76.747	UL-RL	0.217	4.599	40	34	0	0	110.747
Stage 3-	-10	77.7	77.547	UL-RL	0.217	4.599	40	35	0	0	112.547

Grafico Risultati Terreno Sigma V









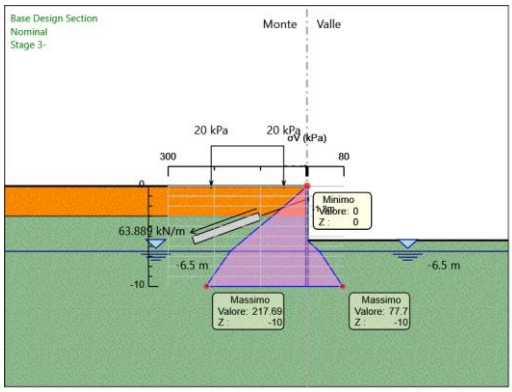
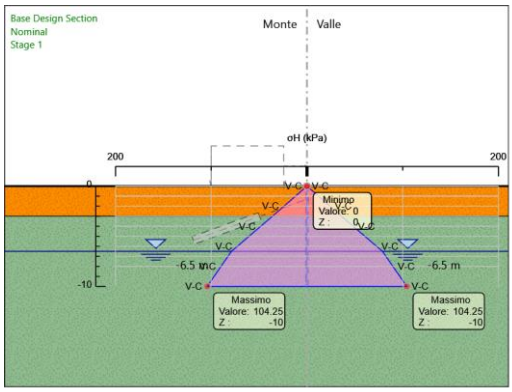
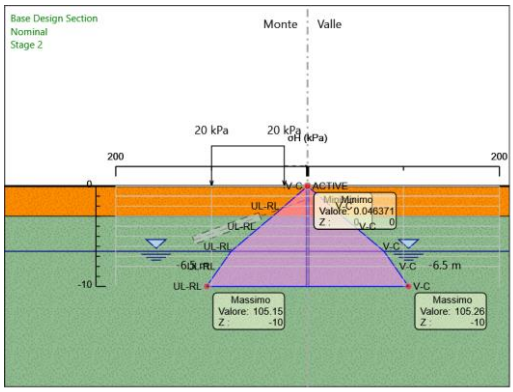
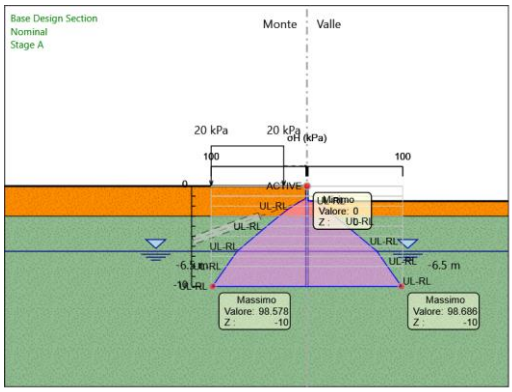
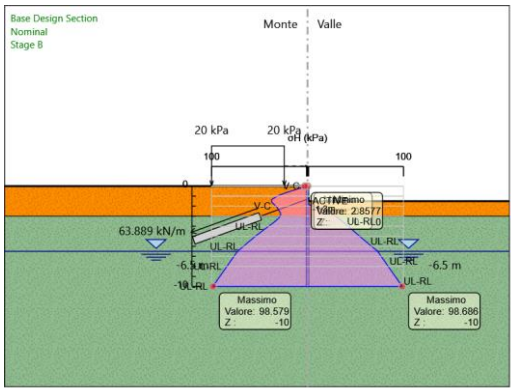


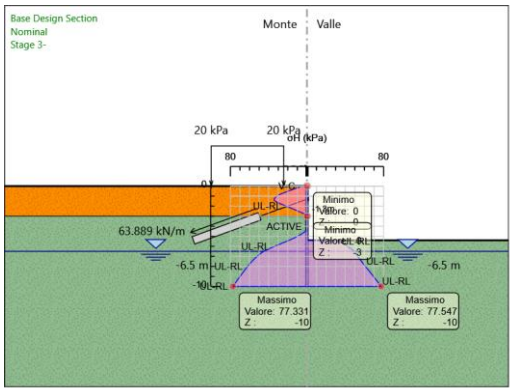
Grafico Risultati Terreno Sigma H











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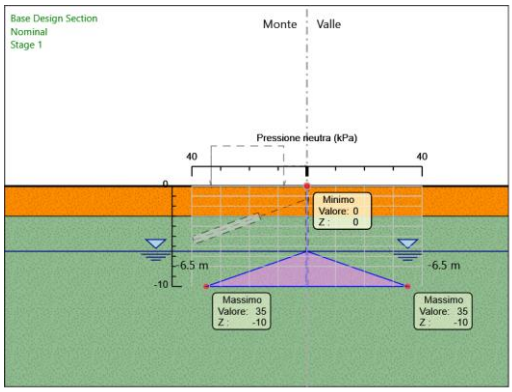
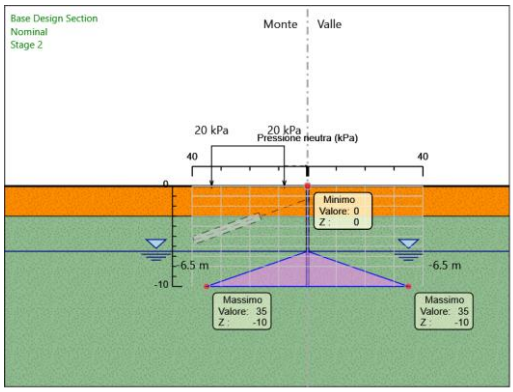
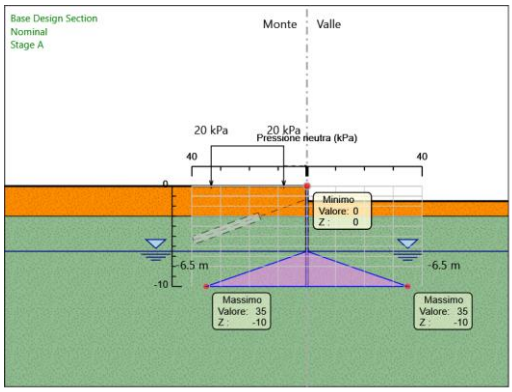
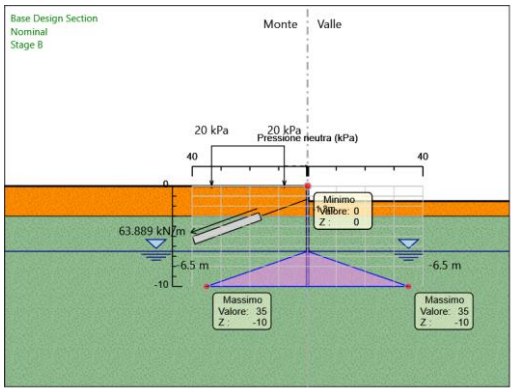








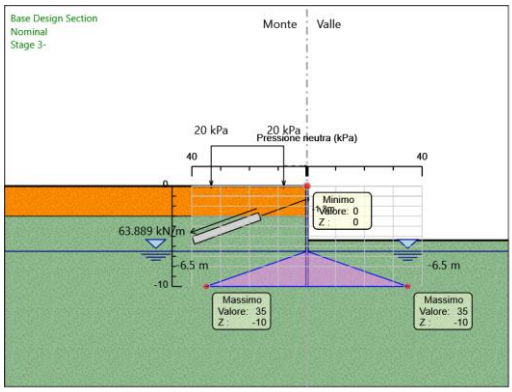
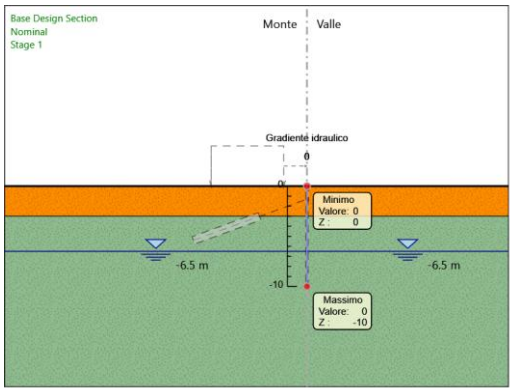
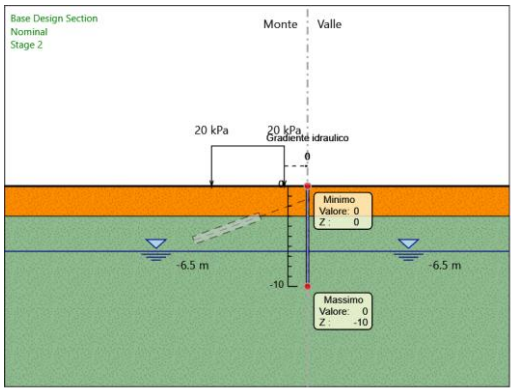
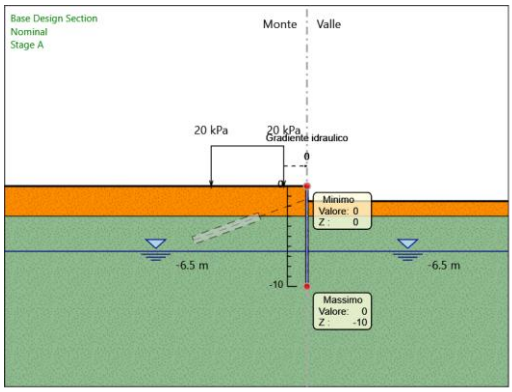
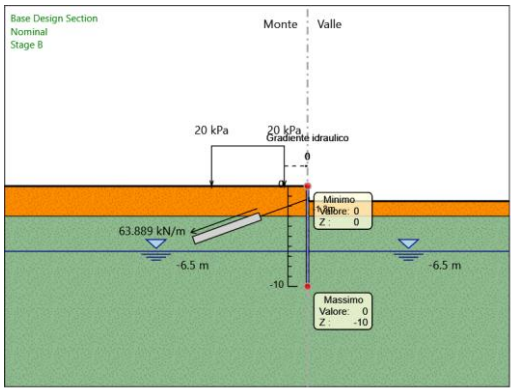


Grafico Risultati Terreno Gradiente









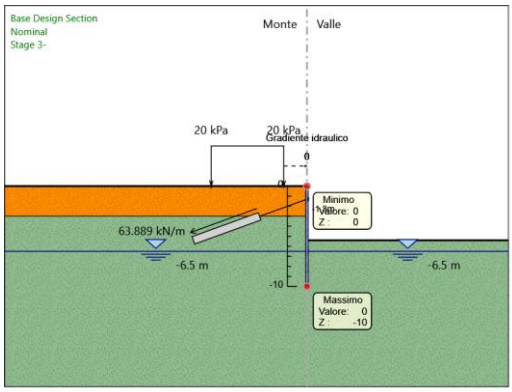
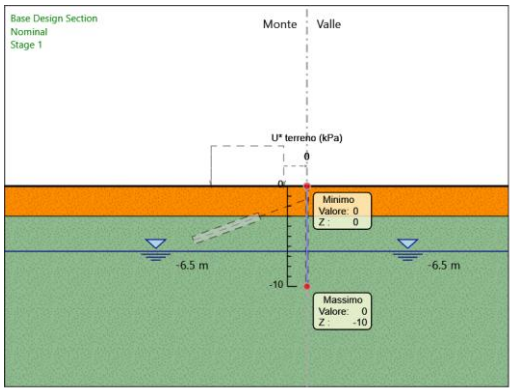
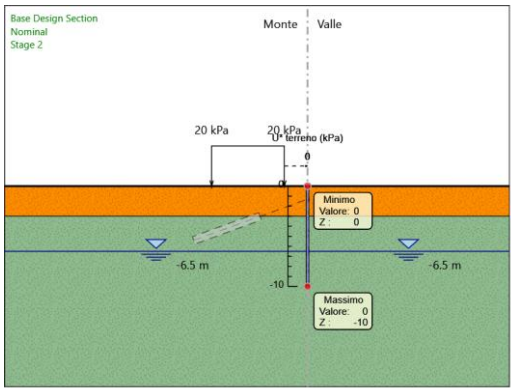
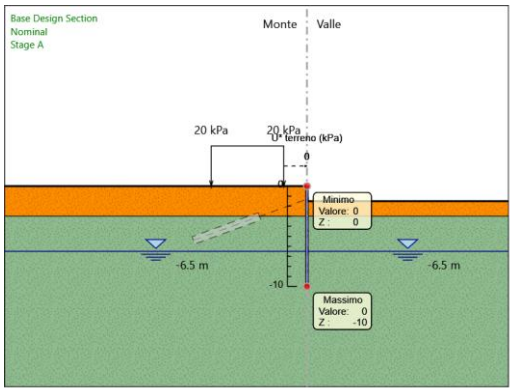
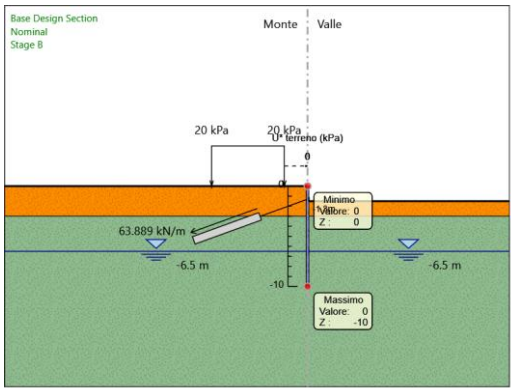


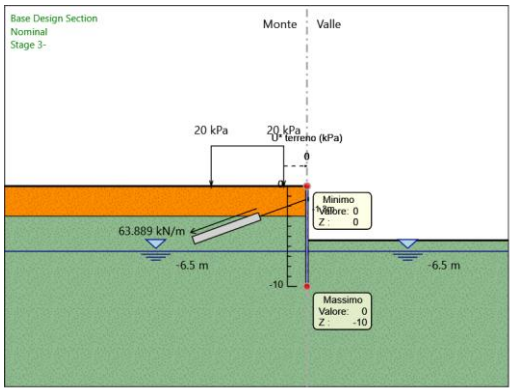
Grafico Risultati Terreno U*











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	575.5	61.2	636.7	10.1	7074.5	8.13%	56.98
Stage 2	581.3	61.2	642.5	15.7	7322.9	7.94%	37.03
Stage A	508.4	61.2	569.7	15.7	7322.9	6.94%	32.38
Stage B	560	61.2	621.2	15.7	7322.9	7.65%	35.67
Stage 3-	324.8	61.2	386	15.7	7322.9	4.44%	20.69

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	575.5	61.2	636.7	10.1	7074.5	8.13%	56.98
Stage 2	581.3	61.2	642.5	10.1	7074.5	8.22%	57.55
Stage A	508.4	61.2	569.7	0	5263.2	9.66%	∞
Stage B	500	61.2	561.2	0	5263.2	9.5%	∞
Stage 3-	264.7	61.2	325.9	0	1691	15.65%	∞

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

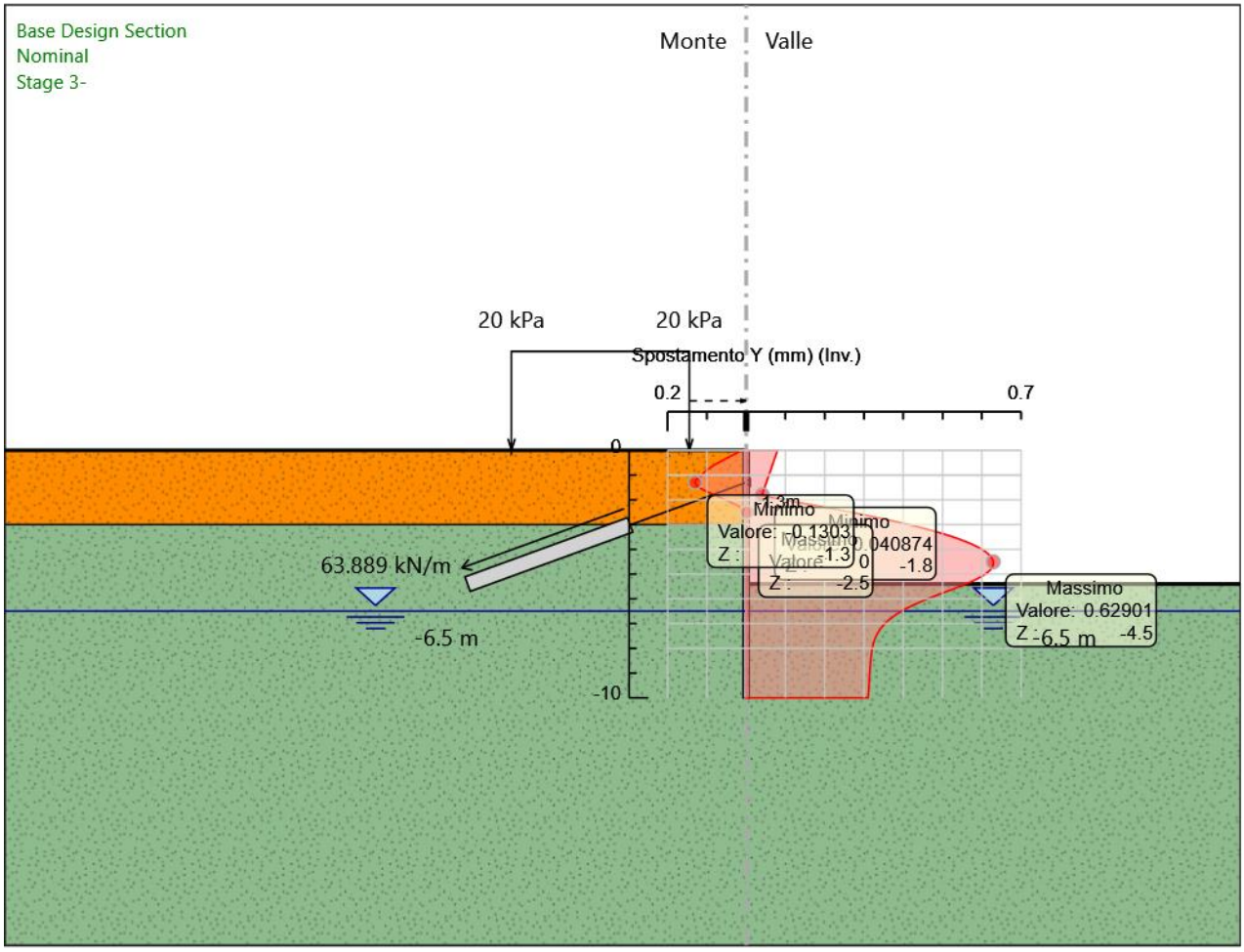
Riepilogo Stage / Design Assumption per Inviluppo

Design Assumption	Stage 1	Stage 2	Stage A	Stage B	Stage 3-
NTC2018: SLE (Rara/Frequente/Quasi Permanente)	V	V	V	V	V

Design Assumption	Stage 1	Stage 2	Stage A	Stage B	Stage 3-
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



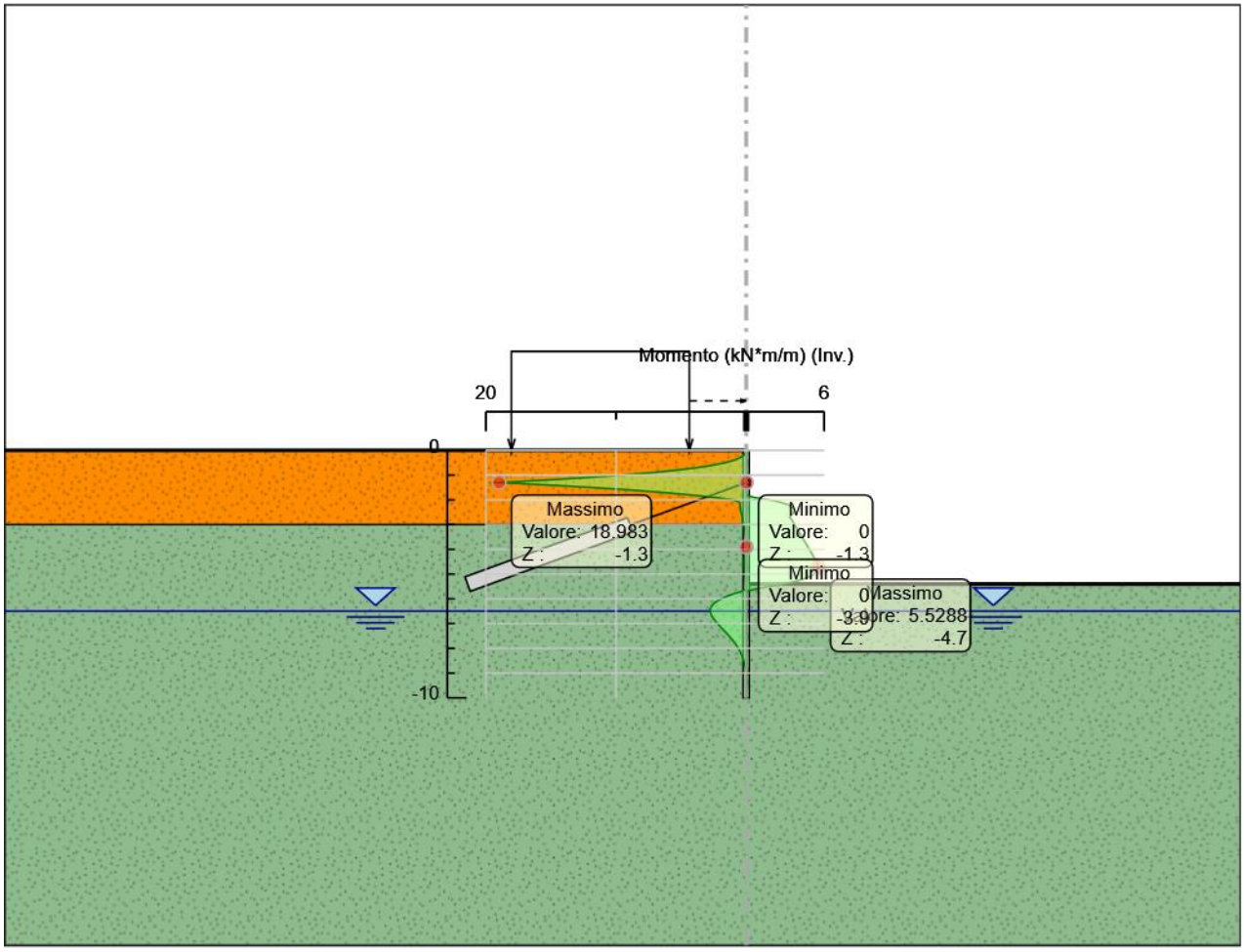
Spostamento

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	0.045	0
-0.2	0.194	0
-0.3	0.483	0
-0.4	0.951	0
-0.5	1.636	0
-0.6	2.575	0
-0.7	3.805	0
-0.8	5.359	0
-0.9	7.271	0
-1	9.569	0
-1.1	12.278	0
-1.2	15.412	0
-1.3	18.983	0
-1.4	15.189	0
-1.5	11.838	0
-1.6	8.915	0
-1.7	6.398	0
-1.8	4.259	0
-1.9	2.468	0.563
-2	0.994	1.789
-2.1	0.489	2.666
-2.2	0.477	3.247
-2.3	0.453	3.578
-2.4	0.423	3.704
-2.5	0.387	3.662
-2.6	0.349	3.495
-2.7	0.31	3.347
-2.8	0.272	3.494
-2.9	0.234	3.613
-3	0.198	3.726
-3.1	0.164	3.838
-3.2	0.132	3.95
-3.3	0.103	4.063
-3.4	0.077	4.175
-3.5	0.055	4.288
-3.6	0.035	4.4
-3.7	0.02	4.512
-3.8	0.007	4.625
-3.9	0	4.737
-4	0	4.849
-4.1	0.037	4.962
-4.2	0.087	5.074
-4.3	0.122	5.186
-4.4	0.142	5.299
-4.5	0.153	5.404
-4.6	0.155	5.486
-4.7	0.15	5.529
-4.8	0.141	5.512
-4.9	0.129	5.414
-5	0.115	5.213
-5.1	0.101	4.882
-5.2	0.086	4.396
-5.3	0.071	3.726
-5.4	0.058	2.842
-5.5	0.046	1.713
-5.6	0.035	0.714
-5.7	0.358	0.01
-5.8	0.998	0.009

Selected Design Assumptions	Inviluppi: Momento	Muro: paratia sx
Z (m)	Lato sinistro (kN*m/m)	Lato destro (kN*m/m)
-5.9	1.514	0.009
-6	1.916	0.008
-6.1	2.259	0.008
-6.2	2.508	0.007
-6.3	2.668	0.007
-6.4	2.75	0.007
-6.5	2.766	0.008
-6.6	2.724	0.009
-6.7	2.637	0.01
-6.8	2.516	0.01
-6.9	2.369	0.009
-7	2.204	0.009
-7.1	2.028	0.009
-7.2	1.846	0.008
-7.3	1.664	0.008
-7.4	1.485	0.007
-7.5	1.312	0.006
-7.6	1.148	0.005
-7.7	0.994	0.005
-7.8	0.851	0.005
-7.9	0.72	0.005
-8	0.601	0.005
-8.1	0.495	0.005
-8.2	0.402	0.006
-8.3	0.319	0.006
-8.4	0.248	0.007
-8.5	0.188	0.008
-8.6	0.137	0.009
-8.7	0.095	0.01
-8.8	0.061	0.011
-8.9	0.034	0.012
-9	0.014	0.013
-9.1	0.001	0.014
-9.2	0	0.015
-9.3	0	0.02
-9.4	0	0.02
-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



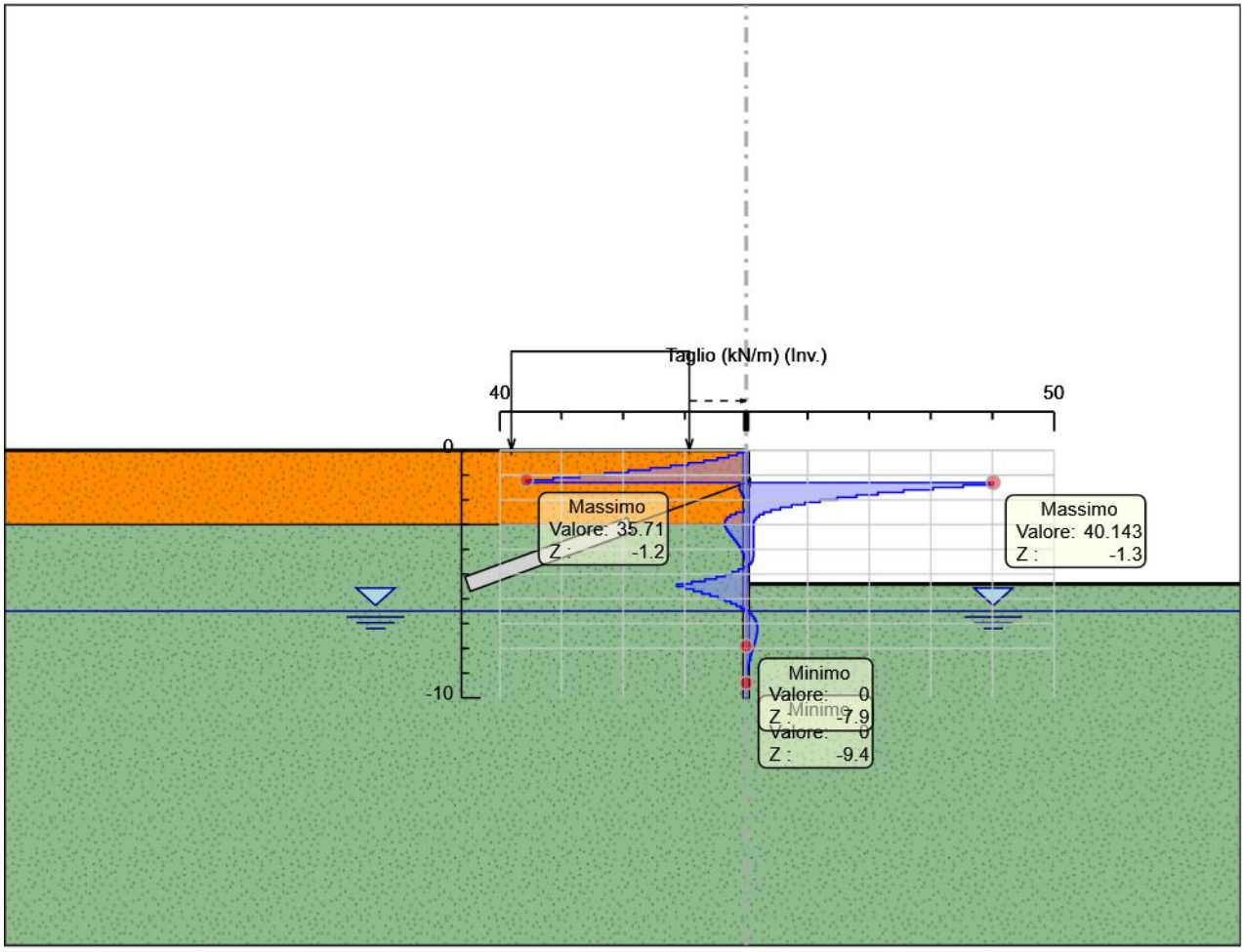
Momento

Tabella Inviluppi Taglio paratia sx

Selected Design Assumptions	Inviluppi: Taglio	Muro: paratia sx
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
0	0.454	0
-0.1	1.483	0
-0.2	2.893	0
-0.3	4.683	0
-0.4	6.85	0
-0.5	9.39	0
-0.6	12.294	0
-0.7	15.544	0
-0.8	19.119	0
-0.9	22.983	0
-1	27.088	0
-1.1	31.34	0
-1.2	35.71	0.001
-1.3	35.71	40.143
-1.4	1.021	40.143
-1.5	1.147	35.264
-1.6	1.147	30.384
-1.7	0.913	25.568
-1.8	0.651	21.386
-1.9	0.405	17.916
-2	0.191	14.778
-2.1	0.013	11.982
-2.2	0.006	9.523
-2.3	0.009	7.39
-2.4	0.417	5.568
-2.5	1.669	4.033
-2.6	2.542	2.856
-2.7	3.099	2.111
-2.8	3.398	1.627
-2.9	3.491	1.332
-3	3.491	1.205
-3.1	3.425	1.205
-3.2	3.255	1.205
-3.3	3.005	1.205
-3.4	2.702	1.205
-3.5	2.386	1.205
-3.6	2.058	1.205
-3.7	1.746	1.205
-3.8	1.446	1.205
-3.9	1.163	1.205
-4	0.917	1.205
-4.1	0.696	1.205
-4.2	0.5	1.205
-4.3	0.342	1.205
-4.4	0.207	1.129
-4.5	0.109	1.049
-4.6	0.037	0.823
-4.7	0.461	0.427
-4.8	1.251	0.123
-4.9	2.234	0.137
-5	3.416	0.146
-5.1	4.857	0.151
-5.2	6.7	0.151
-5.3	8.839	0.144
-5.4	11.297	0.136
-5.5	11.297	0.12
-5.6	9.986	0.106
-5.7	8.576	0.095
-5.8	7.184	0.078

Selected Design Assumptions	Inviluppi: Taglio	Muro: paratia sx
Z (m)	Lato sinistro (kN/m)	Lato destro (kN/m)
-5.9	5.856	0.065
-6	4.619	0.057
-6.1	3.497	0.044
-6.2	2.487	0.036
-6.3	1.601	0.024
-6.4	0.824	0.026
-6.5	0.152	0.523
-6.6	0.002	0.917
-6.7	0.004	1.215
-6.8	0.004	1.47
-6.9	0.004	1.652
-7	0.004	1.761
-7.1	0.004	1.817
-7.2	0.008	1.82
-7.3	0.008	1.82
-7.4	0.008	1.788
-7.5	0.007	1.729
-7.6	0.007	1.642
-7.7	0.005	1.541
-7.8	0.001	1.43
-7.9	0.001	1.309
-8	0	1.186
-8.1	0	1.059
-8.2	0	0.937
-8.3	0	0.823
-8.4	0	0.71
-8.5	0	0.607
-8.6	0	0.508
-8.7	0	0.419
-8.8	0	0.341
-8.9	0	0.268
-9	0	0.206
-9.1	0	0.147
-9.2	0.002	0.098
-9.3	0.01	0.058
-9.4	0.018	0.02
-9.5	0.039	0
-9.6	0.048	0
-9.7	0.048	0
-9.8	0.047	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	8.57
NTC2018: A2+M2+R1	Stage 3-	Left Wall	RIGHT	18.29

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	718.38
NTC2018: A2+M2+R1	Stage 1	Left Wall	RIGHT	1573.32

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

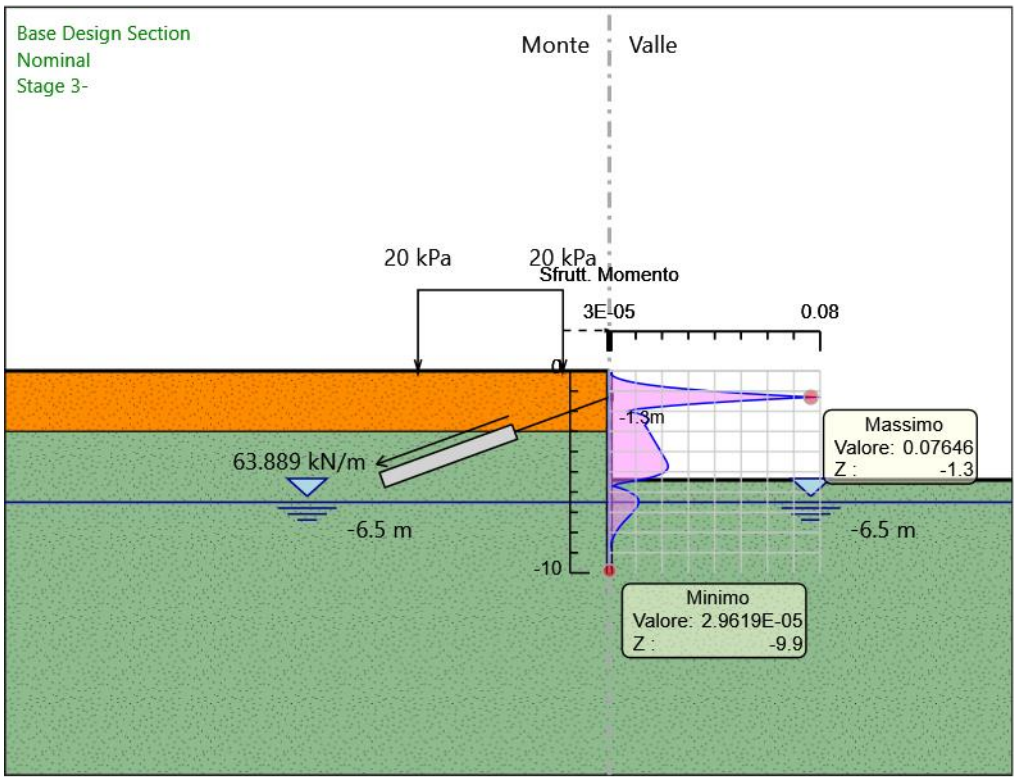
Risultati SteelWorld

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	0.001
-0.3	0.002
-0.4	0.004
-0.5	0.007
-0.6	0.01
-0.7	0.015
-0.8	0.022
-0.9	0.029
-1	0.039
-1.1	0.049
-1.2	0.062
-1.3	0.076
-1.4	0.061
-1.5	0.048
-1.6	0.036
-1.7	0.026
-1.8	0.017
-1.9	0.01
-2	0.007
-2.1	0.011
-2.2	0.013
-2.3	0.014
-2.4	0.015
-2.5	0.015
-2.6	0.014
-2.7	0.013
-2.8	0.014
-2.9	0.015
-3	0.015
-3.1	0.015
-3.2	0.016
-3.3	0.016
-3.4	0.017
-3.5	0.017
-3.6	0.018
-3.7	0.018
-3.8	0.019
-3.9	0.019
-4	0.02
-4.1	0.02
-4.2	0.02
-4.3	0.021
-4.4	0.021
-4.5	0.022
-4.6	0.022
-4.7	0.022
-4.8	0.022
-4.9	0.022
-5	0.021
-5.1	0.02
-5.2	0.018
-5.3	0.015
-5.4	0.011
-5.5	0.007

Inviluppi Tasso di Sfruttamento M-N - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento M-N - SteelWorld
-5.6	0.003
-5.7	0.001
-5.8	0.004
-5.9	0.006
-6	0.008
-6.1	0.009
-6.2	0.01
-6.3	0.011
-6.4	0.011
-6.5	0.011
-6.6	0.011
-6.7	0.011
-6.8	0.01
-6.9	0.01
-7	0.009
-7.1	0.008
-7.2	0.007
-7.3	0.007
-7.4	0.006
-7.5	0.005
-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	0.002
-8.3	0.001
-8.4	0.001
-8.5	0.001
-8.6	0.001
-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



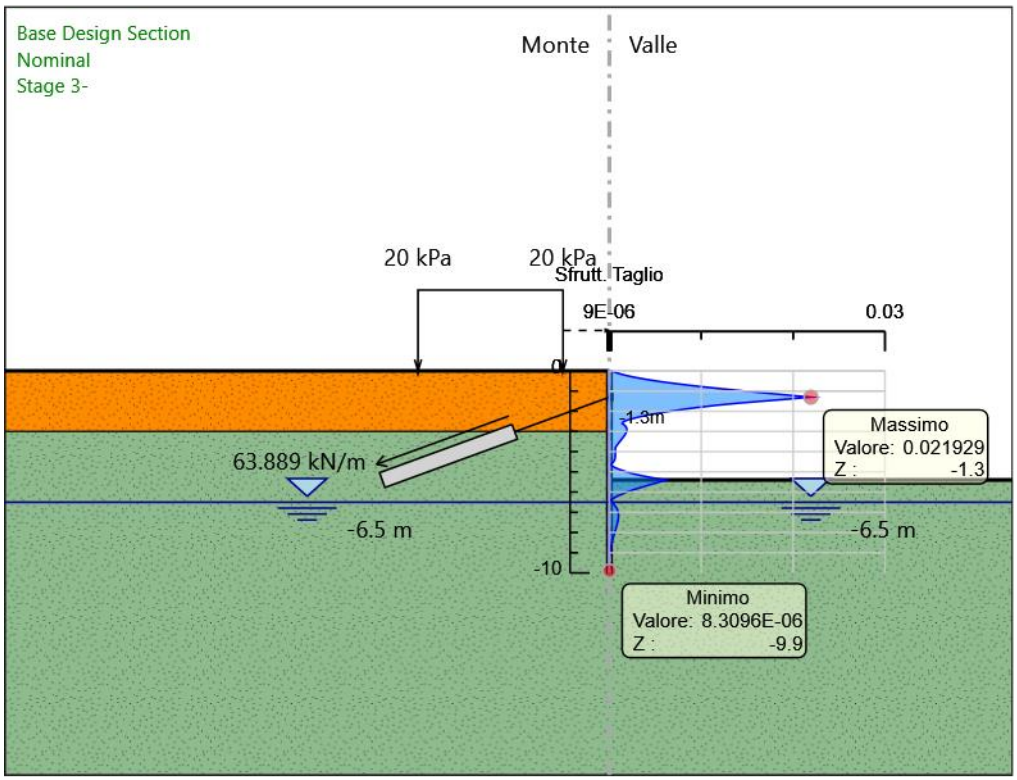
Inviluppi
Tasso di Sfruttamento M-N - SteelWorld

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	0.001
-0.2	0.002
-0.3	0.003
-0.4	0.004
-0.5	0.005
-0.6	0.007
-0.7	0.008
-0.8	0.01
-0.9	0.013
-1	0.015
-1.1	0.017
-1.2	0.02
-1.3	0.022
-1.4	0.019
-1.5	0.017
-1.6	0.014
-1.7	0.012
-1.8	0.01
-1.9	0.008
-2	0.007
-2.1	0.005
-2.2	0.004
-2.3	0.003
-2.4	0.002
-2.5	0.002
-2.6	0.001
-2.7	0.002
-2.8	0.002
-2.9	0.002
-3	0.002
-3.1	0.002
-3.2	0.002
-3.3	0.001
-3.4	0.001
-3.5	0.001
-3.6	0.001
-3.7	0.001
-3.8	0.001
-3.9	0.001
-4	0.001
-4.1	0.001
-4.2	0.001
-4.3	0.001
-4.4	0.001
-4.5	0
-4.6	0
-4.7	0
-4.8	0.001
-4.9	0.001
-5	0.002
-5.1	0.003
-5.2	0.004
-5.3	0.005
-5.4	0.006
-5.5	0.005
-5.6	0.005
-5.7	0.004
-5.8	0.003

Inviluppi Tasso di Sfruttamento a Taglio - SteelWorld	LEFT
Z (m)	Tasso di Sfruttamento a Taglio - SteelWorld
-5.9	0.003
-6	0.002
-6.1	0.001
-6.2	0.001
-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	0.001
-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	230.004	791.681	605.557	0.291	0.38		NO
Tieback_New_New_New_New	Stage 3-	230.167	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	299.005	399.839	605.557	0.748	0.494		
Tieback_New_New_New_New	Stage 3-	299.217	399.839	605.557	0.748	0.494		

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	230.004	399.839	605.557	0.575	0.38		
Tieback_New_New_New_New	Stage 3-	230.196	399.839	605.557	0.576	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	299.005	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	63.89	0	0	0	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	63.935	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	63.89	0	0.484	0.215	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	63.935	0	0.485	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	83.057	0	0.63	0.28	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	83.116	0	0.63	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	63.89	0	0.484	0.215	0
Default Waler	Tieback_New_New_New_New	HE 160B	S355	Stage 3-	63.943	0	0.485	0.215	0