

S.S.121 "Catane"
Intervento S.S.121 – Tratto Palermo (A19) – rotatoria Bolognetta

PROGETTO DEFINITIVO

COD. UP62

PROGETTAZIONE: ATI VIA - SERING - VDP - BRENG

RESPONSABILE DELL'INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE:
Dott. Ing. Giovanni Piazza (Ord. Ing. Prov. Roma A27296)

GRUPPO DI PROGETTAZIONE
MANDATARIA: MANDANTI:

PROGETTISTA:
Responsabile Tracciato stradale: *Dott. Ing. Massimo Capasso (Ord. Ing. Prov. Roma 26031)*
Responsabile Strutture: *Dott. Ing. Giovanni Piazza (Ord. Ing. Prov. Roma 27296)*
Responsabile Idraulica, Geotecnica e Impianti: *Dott. Ing. Sergio Di Maio (Ord. Ing. Prov. Palermo 2872)*
Responsabile Ambiente: *Dott. Ing. Francesco Ventura (Ord. Ing. Prov. Roma 14660)*



GEOLOGO:
Dott. Geol. Enrico Curcuruto (Ord. Geo. Regione Sicilia 966)

COORDINATORE SICUREZZA IN FASE DI PROGETTAZIONE:
Dott. Ing. Matteo Di Girolamo (Ord. Ing. Prov. Roma 15138)

RESPONSABILE SIA:
Dott. Ing. Francesco Ventura (Ord. Ing. Prov. Roma 14660)



VISTO: IL RESPONSABILE DEL PROCEDIMENTO:
Dott. Ing. Luigi Mupo

PROGETTO STRADALE
STRADE SECONDARIE
AS_E160S AS_E160D
Sezioni trasversali

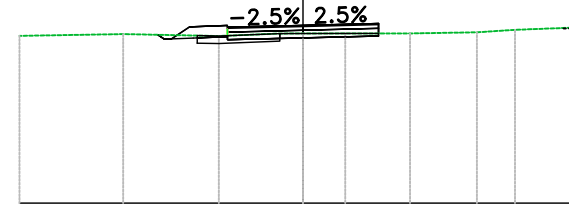


CODICE PROGETTO		NOME FILE		REVISIONE	SCALA:
PROGETTO	LIV. PROG. ANNO	UP62_S14PS00TRASZ01_A			
DPUP0062	D 23	CODICE ELAB.	S14 PS00 TRA SZ01	A	1:200
D		-	-	-	-
C		-	-	-	-
B	-	-	-	-	-
A	EMISSIONE	FEBB.2023	D.MORARU	M.TOSI	G.PIAZZA
REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO

Materiali - Progr.0+000.00

Materiali	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	0.54	0.00
Scotico	0.69	0.00
Terreno vegetale	0.37	0.00

AS_E160S
 Sez. 01
 Progr.: 0+000.00
 Scala : 1:200
 Q.Rif. : 280.00

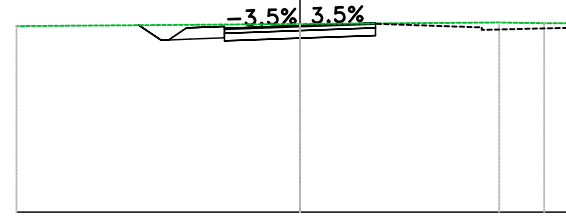


PROGRESSIVE TERRENO	7.50	-4.76	-2.23	-0.62	0.00	1.12	2.83	4.60	5.61	7.50
PARZIALI TERRENO		2.74	2.53	1.61	0.62	1.12	1.71	1.77	1.01	1.89
QUOTE TERRENO	284.42	284.47	284.42	284.48	284.48	284.49	284.49	284.52	284.58	284.65
PROGRESSIVE PROGETTO			-3.85	-3.00	-2.00		2.00			
PARZIALI PROGETTO			0.48	1.00	2.00	2.00				
QUOTE PROGETTO		284.45	284.42	284.37	284.70	284.75				
QUOTE SOTTOFONDO		284.36	284.66	284.32	284.65	284.42				

Materiali - Progr.0+020.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	2.25	27.58
Scotico	0.00	6.87
Terreno vegetale	0.37	7.23

AS_E160S
 Sez. 02
 Progr.: 0+020.00
 Scala : 1:200
 Q.Rif. : 280.00

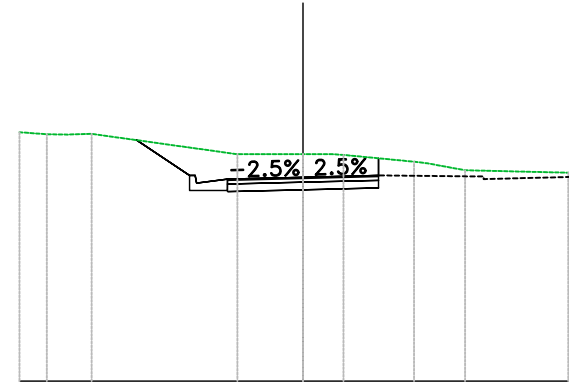


PROGRESSIVE TERRENO	7.50	0.00	5.27	5.97	7.36
PARZIALI TERRENO	7.50	5.27	0.69	0.81	
QUOTE TERRENO	284.92	284.98	285.01	285.00	284.99
PROGRESSIVE PROGETTO		-4.27	-3.48	-3.00	-2.00
PARZIALI PROGETTO		0.59	0.48	1.00	2.00
QUOTE PROGETTO		284.94	284.55	284.87	284.86
QUOTE SOTTOFONDO		284.94	284.60	284.93	284.67

Materiali - Progr.0+060.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	5.29	85.67
Scotico	0.00	0.00
Terreno vegetale	0.00	0.00

AS_E160S
 Sez. 04
 Progr.: 0+060.00
 Scala : 1:200
 Q.Rif. : 280.00

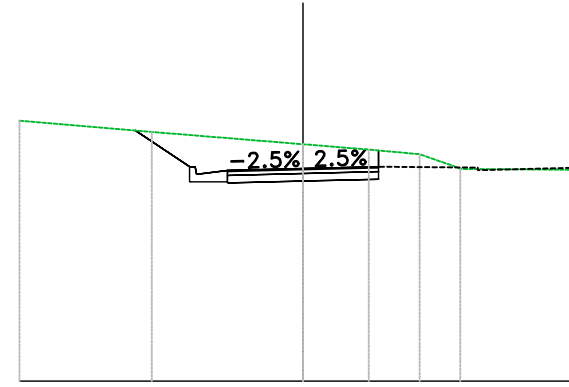


PROGRESSIVE TERRENO	7.50	6.78	6.23	5.59	1.74	0.00	0.79	2.94	4.29	7.92
PARZIALI TERRENO	0.72	0.55	0.64	3.86	1.74	0.68	1.87	0.99	2.73	
QUOTE TERRENO	286.58	286.53	286.52	286.54	286.00	286.00	286.00	285.80	285.58	285.51
PROGRESSIVE PROGETTO				-4.40	-2.82	-2.00	0.00	2.00		
PARZIALI PROGETTO				1.40	0.82	2.00	2.00			
QUOTE PROGETTO				286.37	285.24	285.34	285.39	285.44		
QUOTE SOTTOFONDO				286.37	285.01	285.34	285.06	285.11		

Materiali - Progr.0+080.00

Materiali	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	5.70	109.78
Scotico	0.00	0.00
Terreno vegetale	0.00	0.00

AS_E160S
 Sez. 05
 Progr.: 0+080.00
 Scala : 1:200
 Q.Rif. : 280.00

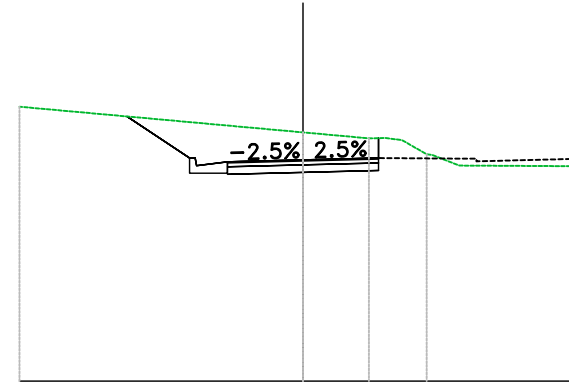


PROGRESSIVE TERRENO	7.50	-4.00	0.00	1.74	3.09	3.76	7.50
PARZIALI TERRENO	3.50	4.00	1.74	1.35	0.67	3.34	
QUOTE TERRENO	286.89	286.59	286.26	286.12	286.00	285.77	285.59
PROGRESSIVE PROGETTO		-4.44	-2.82	-2.00	0.00	2.00	
PARZIALI PROGETTO		1.43	0.82	2.00	2.00		
QUOTE PROGETTO		286.63	285.47	285.57	285.62	285.67	
QUOTE SOTTOFONDO		286.63	285.27	285.24	285.29	285.34	

Materiali - Progr.0+100.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	6.33	120.30
Scotico	0.00	0.00
Terreno vegetale	0.00	0.00

AS_E160S
 Sez. 06
 Progr.: 0+100.00
 Scala : 1:200
 Q.Rif. : 280.00

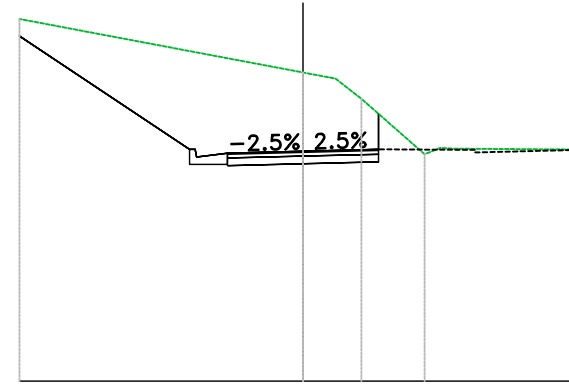


PROGRESSIVE TERRENO	7.50		0.00	1.74	2.62	3.27	4.14	7.50
PARZIALI TERRENO		7.50		1.74	0.65	0.72	3.36	
QUOTE TERRENO	287.26		286.58	286.42	286.37	286.00	285.70	285.68
PROGRESSIVE PROGETTO		-4.65		2.00				
PARZIALI PROGETTO		1.65		2.00				
QUOTE PROGETTO		287.00	285.70	285.85	285.90			
QUOTE SOTTOFONDO		287.00	285.50	285.47	285.52	285.57		

Materiali - Progr.0+120.00

Materiali	Area (m²)	Vol. (m³)
Rilevato	0.00	0.00
Scavo	19.02	253.53
Scotico	0.00	0.00
Terreno vegetale	0.00	0.00

AS_E160S
 Sez. 07
 Progr.: 0+120.00
 Scala : 1:200
 Q.Rif. : 280.00

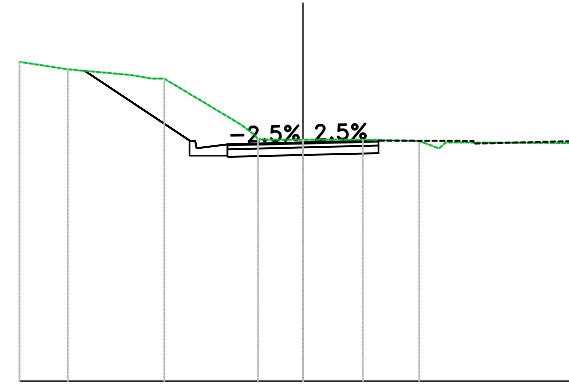


PROGRESSIVE TERRENO	7.50			0.00	0.86	1.55	3.22	3.99	7.50
PARZIALI TERRENO		7.50			0.86	0.68	1.67		3.51
QUOTE TERRENO	289.58			288.16	288.00	287.47	286.00	286.15	286.12
PROGRESSIVE PROGETTO	7.50			0.00	2.00				
PARZIALI PROGETTO		4.50			0.82	2.00			
QUOTE PROGETTO	289.13			285.93	286.03	286.08	286.13		
QUOTE SOTTOFONDO	289.13			285.73	285.70	285.75	285.80		

Materiali - Progr.0+140.00

Materiali	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	5.30	243.27
Scofico	0.00	0.00
Terreno vegetale	0.00	0.00

AS_E160S
 Sez. 08
 Progr.: 0+140.00
 Scala : 1:200
 Q.Rif. : 280.00

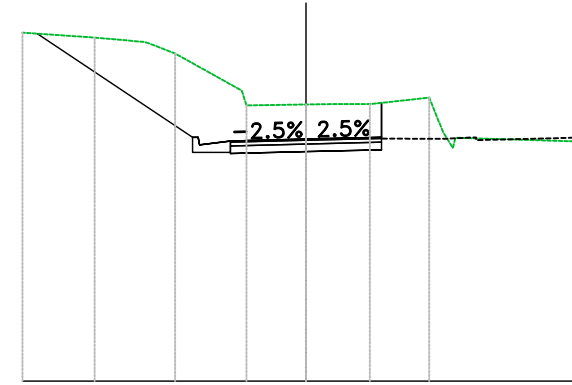


PROGRESSIVE TERRENO	7.50	-6.22	-4.54	-3.67	-1.62	-0.91	0.00	1.58	3.07	3.60	7.50
PARZIALI TERRENO	1.28	1.68	0.53	2.06		0.91	1.58	1.49	0.53	3.72	
QUOTE TERRENO	288.44	288.25	288.10	288.00	286.77	286.38	286.38	286.38	286.35	286.15	286.29
PROGRESSIVE PROGETTO		-5.77		-2.82	-2.00			2.00			
PARZIALI PROGETTO			2.77	0.82	2.00	2.00					
QUOTE PROGETTO		288.21		286.16	286.26	286.31	286.36				
QUOTE SOTTOFONDO		288.21		285.96	285.93	285.98	286.03				

Materiali - Progr.0+147.77

Materiali	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	11.97	67.14
Scotico	0.00	0.00
Terreno vegetale	0.00	0.00

AS_E160S
 Sez. 09
 Progr.: 0+147.77
 Scala : 1:200
 Q.Rif. : 280.00

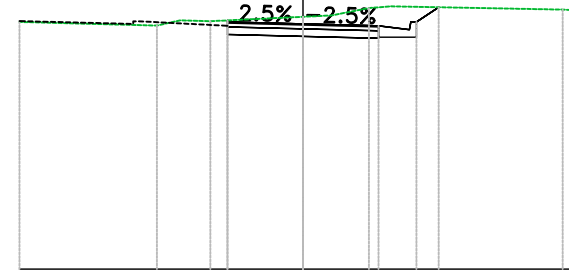


PROGRESSIVE TERRENO	7.50										7.50
PARZIALI TERRENO		1.91	1.28	0.69	1.76	1.57	0.81	0.88	1.54	0.37	3.54
QUOTE TERRENO	289.22	289.09	288.93	288.66	287.29	287.32	287.33	287.33	287.50	286.17	286.33
PROGRESSIVE PROGETTO	-7.11				-2.81	-2.00	0.00	2.00			
PARZIALI PROGETTO			4.10		0.81	2.00	2.00				
QUOTE PROGETTO	289.19				286.25	286.35	286.40	286.45			
QUOTE SOTTOFONDO	289.19				286.05	286.02	286.07	286.12			

Materiali - Progr.0+000.00

Materiali	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	3.11	0.00
Scotico	0.00	0.00
Terreno vegetale	0.00	0.00

AS_E161D
 Sez. 01
 Progr.: 0+000.00
 Scala : 1:200
 Q.Rif. : 280.00

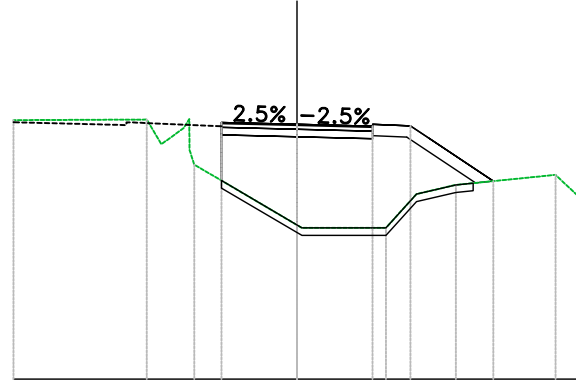


PROGRESSIVE TERRENO	7.50	-3.86	-3.25	-2.45	0.00	0.76	1.74	2.32	6.87	7.50
PARZIALI TERRENO	3.64	0.61	0.80	2.45	0.76	0.98	0.58	4.55	0.63	
QUOTE TERRENO	286.54	286.44	286.58	286.56	286.67	286.71	286.90	286.95	286.86	286.83
PROGRESSIVE PROGETTO				-2.00			2.00	2.82		
PARZIALI PROGETTO				2.00	2.00	0.82	0.59	3.59		
QUOTE PROGETTO			286.58	286.48	286.43	286.33	286.93			
QUOTE SOTTOFONDO		286.20	286.15	286.10	286.13	286.93				

Materiali – Progr.0+020.00

Materiale	Area (m²)	Vol. (m³)
Rilevato	11.73	117.28
Scavo	0.00	31.12
Scotico	1.33	13.32
Terreno vegetale	1.01	10.09

AS_E161D
 Sez. 02
 Progr.: 0+020.00
 Scala : 1:200
 Q.Rif. : 280.00

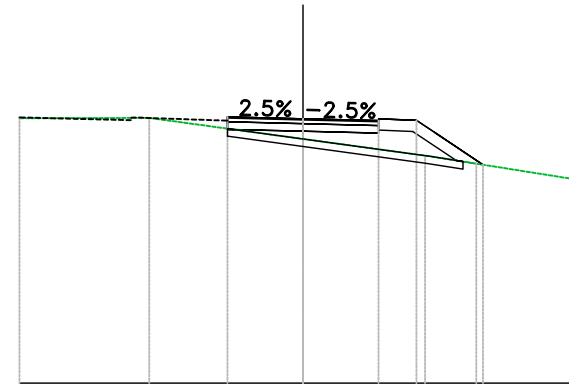


PROGRESSIVE TERRENO	7.50		-3.59	-2.72	0.00	2.35	3.16	4.20	6.84	7.50
PARZIALI TERRENO	3.52		0.39	0.01	2.72		2.19		2.64	0.66
QUOTE TERRENO	286.85		286.21	285.67	284.08	284.00	284.89	285.14	285.40	284.79
PROGRESSIVE PROGETTO			-2.00			2.00	3.00	3.48	5.19	
PARZIALI PROGETTO			2.00	2.00		1.00	0.48	1.71		
QUOTE PROGETTO			286.79	286.74	286.69	286.70	286.38	285.24		
QUOTE SOTTOFONDO			285.45	286.41	286.36	286.40	285.19			

Materiali - Progr.0+040.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	1.65	133.77
Scavo	0.00	0.02
Scotico	1.25	25.79
Terreno vegetale	0.81	18.20

AS_E161D
 Sez. 03
 Progr.: 0+040.00
 Scala : 1:200
 Q.Rif. : 280.00

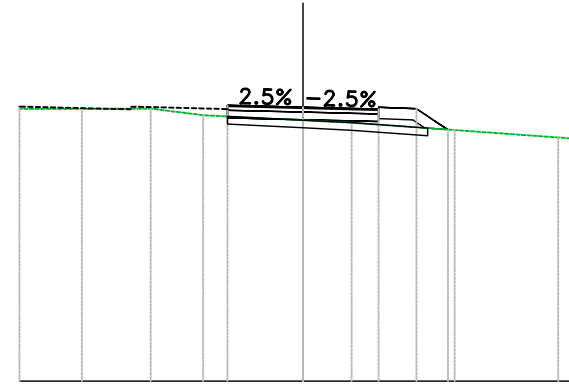


PROGRESSIVE TERRENO	7.50	-4.07	0.00	3.23	4.58	7.50
PARZIALI TERRENO	3.43	4.07	3.23	1.24	2.92	
QUOTE TERRENO	287.00	287.01	286.46	286.02	285.80	285.34
PROGRESSIVE PROGETTO			-2.00	2.00	3.00	4.76
PARZIALI PROGETTO		2.00	2.00	1.00	0.48	1.28
QUOTE PROGETTO		287.04	286.99	286.94	286.95	285.78
QUOTE SOTTOFONDO		286.71	286.66	286.61	286.65	285.89

Materiali - Progr.0+060.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.28	19.28
Scavo	0.03	0.27
Scotico	1.06	23.06
Terreno vegetale	0.49	13.03

AS_E161D
 Sez. 04
 Progr.: 0+060.00
 Scala : 1:200
 Q.Rif. : 280.00

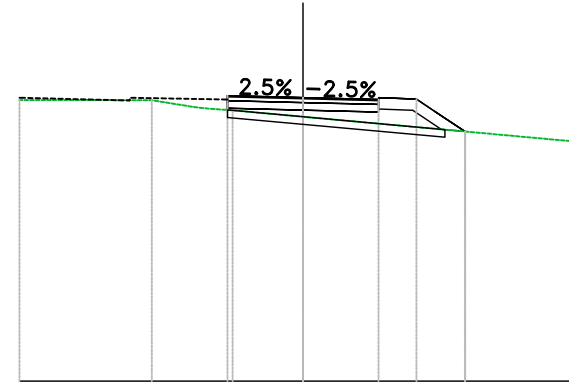


PROGRESSIVE TERRENO	7.50	-5.85	-4.03	-2.64	0.00	1.29	4.01	6.75	7.50
PARZIALI TERRENO	1.65	1.82	1.39	2.64	1.29	2.73	2.74	0.75	
QUOTE TERRENO	287.20	287.20	287.21	287.03	286.90	286.83	286.64	286.44	286.39
PROGRESSIVE PROGETTO				-2.00		2.00	3.00	3.48	
PARZIALI PROGETTO				2.00	2.00	1.00	0.48		
QUOTE PROGETTO				286.96	286.91	286.86	286.70	286.65	
QUOTE SOTTOFONDO				287.29	287.24	287.19	287.20	286.88	

Materiali - Progr.0+080.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	1.24	15.16
Scavo	0.00	0.25
Scotico	1.15	22.10
Terreno vegetale	0.65	11.45

AS_E161D
 Sez. 05
 Progr.: 0+080.00
 Scala : 1:200
 Q.Rif. : 280.00

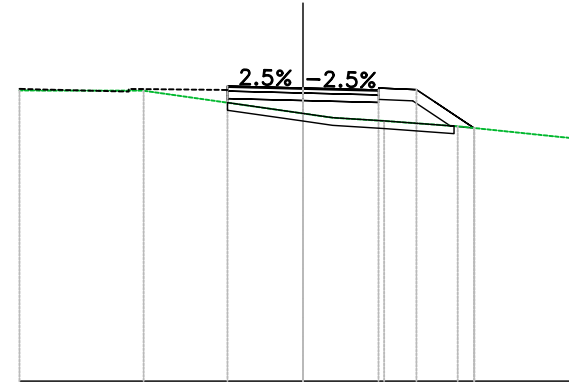


PROGRESSIVE TERRENO	7.50	-4.67	-4.00	-2.46	-1.86	0.00	7.50
PARZIALI TERRENO	2.83	0.67	1.15	0.60	1.86	7.50	
QUOTE TERRENO	287.43	287.43	287.43	287.20	287.16	286.99	286.31
PROGRESSIVE PROGETTO				-2.00	0.00	2.00	
PARZIALI PROGETTO				2.00	2.00	1.00	
QUOTE PROGETTO				287.55	287.50	287.45	
QUOTE SOTTOFONDO				287.22	287.17	287.12	
						287.16	
						286.66	
						286.60	
						286.59	

Materiali - Progr.0+100.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	2.12	33.58
Scavo	0.00	0.01
Scotico	1.20	23.50
Terreno vegetale	0.74	13.92

AS_E161D
 Sez. 06
 Progr.: 0+100.00
 Scala : 1:200
 Q.Rif. : 280.00

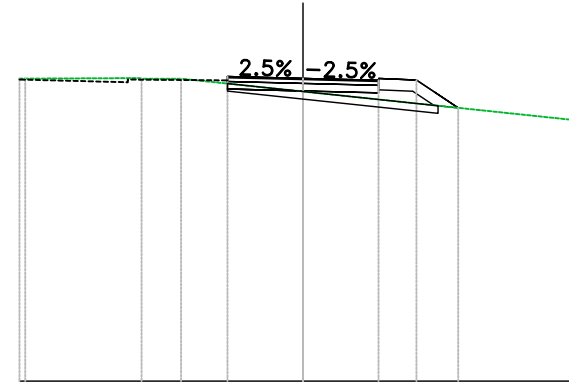


PROGRESSIVE TERRENO	7.50	-4.22	0.00	0.78	2.15	4.09	7.50
PARZIALI TERRENO	3.28	4.22	0.78	1.36	1.95	3.41	
QUOTE TERRENO	287.69	287.68	287.08	286.97	286.88	286.74	286.38
PROGRESSIVE PROGETTO			-2.00		2.00	3.00	
PARZIALI PROGETTO			2.00	2.00	1.00	0.48	
QUOTE PROGETTO		287.80	287.75	287.70	287.71	287.39	
QUOTE SOTTOFONDO		287.40	287.42	287.37	287.41	286.75	

Materiali - Progr.0+120.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.54	26.55
Scavo	0.13	1.34
Scotico	1.11	23.14
Terreno vegetale	0.59	13.25

AS_E161D
 Sez. 07
 Progr.: 0+120.00
 Scala : 1:200
 Q.Rif. : 280.00

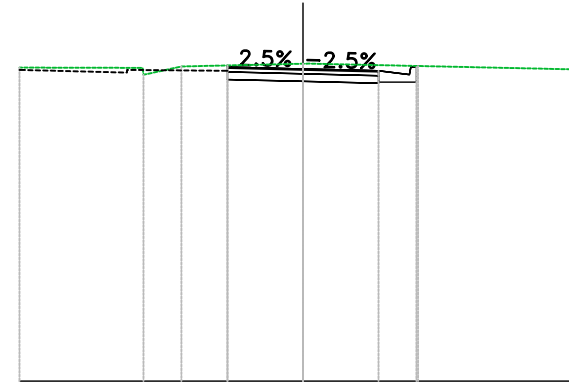


PROGRESSIVE TERRENO	7.50	-4.08	-3.22	0.00		7.50
PARZIALI TERRENO	3.03	0.63	3.22			7.50
QUOTE TERRENO	288.00	-288.00	-288.00	287.66		286.87
PROGRESSIVE PROGETTO			-2.00		2.00	
PARZIALI PROGETTO			2.00	2.00	1.00	
QUOTE PROGETTO			-287.72	-288.00	-287.62	
QUOTE SOTTOFONDO			-287.67	-288.00	-287.67	
			-287.29	-287.64	-287.23	
			-287.23	-287.23	-287.23	

Materiali - Progr.0+140.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.00	5.36
Scavo	2.23	23.66
Scotico	0.00	11.15
Terreno vegetale	0.00	5.86

AS_E161D
 Sez. 08
 Progr.: 0+140.00
 Scala : 1:200
 Q.Rif. : 280.00

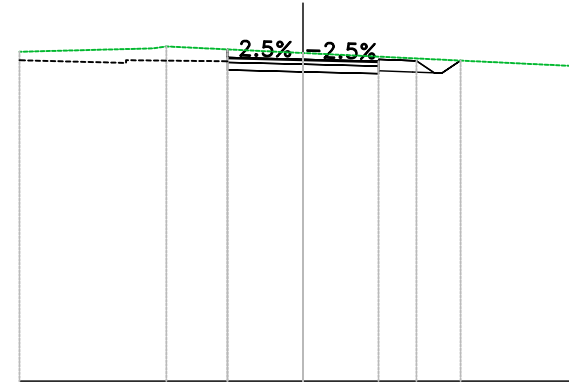


PROGRESSIVE TERRENO	7.50	-4.22	-3.22	0.00	7.50
PARZIALI TERRENO	3.26	1.00	3.22	7.35	
QUOTE TERRENO	288.29	288.10	288.32	288.39	288.24
PROGRESSIVE PROGETTO			-2.00	0.00	2.00
PARZIALI PROGETTO			2.00	2.00	0.82
QUOTE PROGETTO		287.98 288.35	287.93 288.26	287.88 288.21	288.33 288.39
QUOTE SOTTOFONDO					

Materiali - Progr.0+160.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	2.69	49.23
Scotico	0.00	0.00
Terreno vegetale	0.37	3.72

AS_E161D
 Sez. 09
 Progr.: 0+160.00
 Scala : 1:200
 Q.Rif. : 280.00

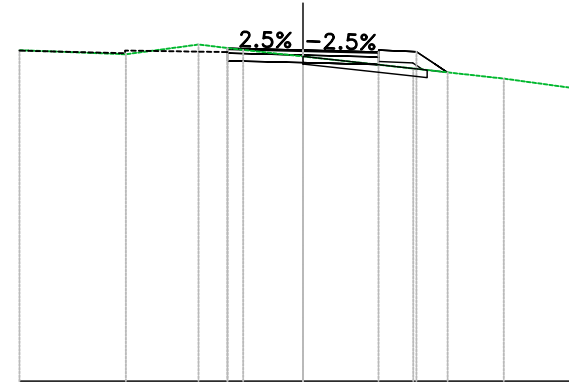


PROGRESSIVE TERRENO	7.50	-3.61	0.00	7.50
PARZIALI TERRENO	3.52	3.61	7.50	
QUOTE TERRENO	288.71	288.85	288.68	288.52
PROGRESSIVE PROGETTO		-2.00	2.00	3.00
PARZIALI PROGETTO		2.00	2.00	1.00
QUOTE PROGETTO		288.51	288.46	288.47
QUOTE SOTTOFONDO		288.23	288.18	288.15
			288.48	288.48

Materiali - Progr.0+180.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.12	1.23
Scavo	0.66	33.49
Scotico	0.66	6.57
Terreno vegetale	0.48	8.52

AS_E161D
 Sez. 10
 Progr.: 0+180.00
 Scala : 1:200
 Q.Rif. : 280.00

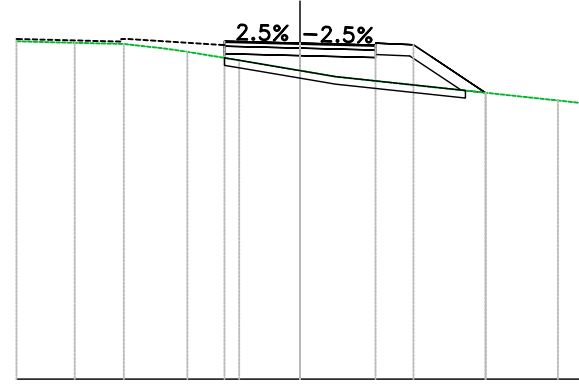


PROGRESSIVE TERRENO	7.50	-4.69	-2.76	-1.58	0.00	2.92	5.31	7.50
PARZIALI TERRENO	2.81	1.92	1.18	1.58	2.92	2.40	2.19	
QUOTE TERRENO	288.75	288.64	288.90	288.76	288.59	288.27	288.00	287.70
PROGRESSIVE PROGETTO			-2.00			2.00	3.00	3.48
PARZIALI PROGETTO			2.00		2.00	1.00	0.48	
QUOTE PROGETTO			288.80		288.75	288.70	288.71	288.39
QUOTE SOTTOFONDO			288.47		288.42	288.37	288.42	288.17

Materiali – Progr.0+200.00

Materiali	Area (m²)	Vol. (m³)
Rilevato	2.72	28.47
Scavo	0.00	6.60
Scotico	1.28	19.33
Terreno vegetale	0.87	13.55

AS_E161D
 Sez. 11
 Progr.: 0+200.00
 Scala : 1:200
 Q.Rif. : 280.00

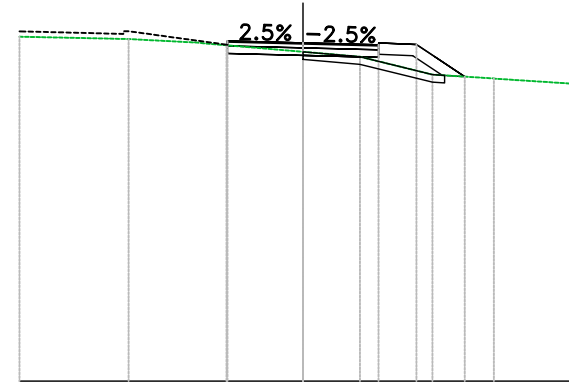


PROGRESSIVE TERRENO	7.50	5.96	4.66	3.61	2.98	1.61	0.00	0.93	6.83	7.50
PARZIALI TERRENO	1.54	1.30	1.05	0.63	1.37	1.61	0.93	5.89	0.67	7.50
QUOTE TERRENO	288.93	288.89	288.86	288.75	288.66	288.43	288.16	288.00	287.37	287.29
PROGRESSIVE PROGETTO					-2.00			2.00	3.00	4.92
PARZIALI PROGETTO						2.00	2.00	1.00	0.48	1.43
QUOTE PROGETTO					288.93	288.88	288.83	288.84	288.53	287.57
QUOTE SOTTOFONDO					288.60	288.55	288.50	288.55	287.64	287.57

Materiali - Progr.0+220.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.44	31.61
Scavo	0.38	3.85
Scotico	0.75	20.25
Terreno vegetale	0.66	15.30

AS_E161D
 Sez. 12
 Progr.: 0+220.00
 Scala : 1:200
 Q.Rif. : 280.00

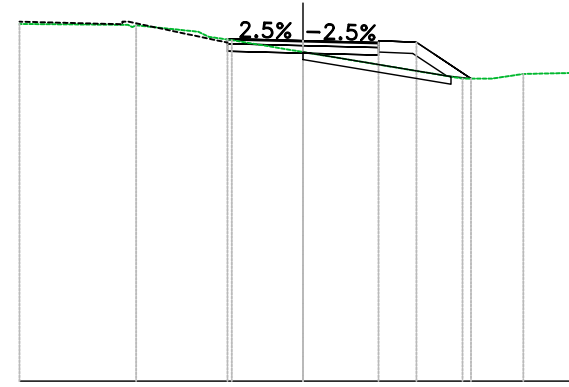


PROGRESSIVE TERRENO	7.50	-4.62	-2.65	-2.02	0.00	1.51	3.43	5.05	7.50
PARZIALI TERRENO	2.88	1.84	0.63	2.02	1.51	1.92	1.62	2.41	
QUOTE TERRENO	289.11	289.05	288.94	288.88	288.71	288.58	288.11	288.00	287.84
PROGRESSIVE PROGETTO			-2.00			2.00	3.00	4.28	
PARZIALI PROGETTO			2.00		2.00	1.00	0.48	0.80	
QUOTE PROGETTO			288.66	288.99	288.61	288.89	288.90	288.58	288.05
QUOTE SOTTOFONDO			288.66	288.99	288.61	288.89	288.90	288.58	288.05

Materiali - Progr.0+240.00

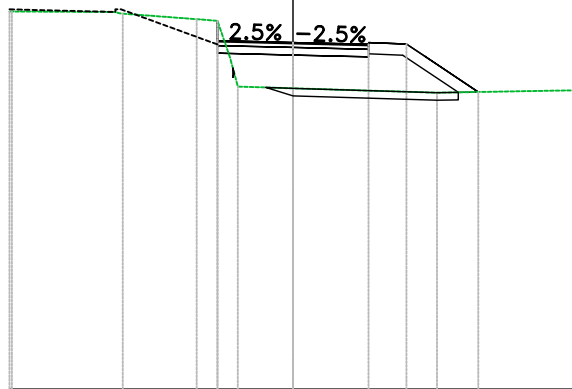
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.79	12.23
Scavo	0.35	7.33
Scotico	0.78	15.32
Terreno vegetale	0.71	13.64

AS_E161D
 Sez. 13
 Progr.: 0+240.00
 Scala : 1:200
 Q.Rif. : 280.00



PROGRESSIVE TERRENO	7.50	-4.41	-2.49	-1.88	0.00	4.22	5.00	5.83	7.50
PARZIALI TERRENO	2.62	1.64	0.61	1.88	4.22	0.78	0.83	1.67	
QUOTE TERRENO	289.45	289.41	289.11	289.02	288.70	288.00	288.00	288.12	288.16
PROGRESSIVE PROGETTO			-2.00	0.00	2.00	3.00	3.48	4.45	
PARZIALI PROGETTO			2.00	2.00	1.00	0.48	0.97		
QUOTE PROGETTO			289.05	289.00	288.95	288.96	288.64	288.00	
QUOTE SOTTOFONDO			288.72	288.67	288.62	288.67	288.07	288.00	

AS_E161D
 Sez. 15
 Progr.: 0+280.00
 Scala : 1:200
 Q.Rif. : 280.00

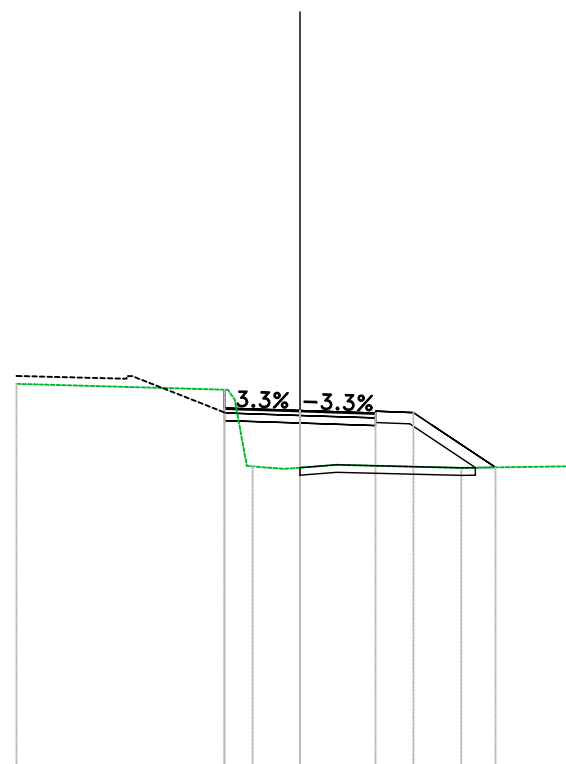


PROGRESSIVE TERRENO	-7.54	-4.50	-2.55	-2.00	-1.46	0.00	3.81	7.50
PARZIALI TERRENO		2.71	1.96	0.55	0.20	1.46	3.81	3.69
QUOTE TERRENO	289.99	-289.93	289.78	289.74	288.00	-287.96	-287.84	287.90
PROGRESSIVE PROGETTO			-2.00		0.00	2.00	3.00	4.90
PARZIALI PROGETTO			0.00	2.00	2.00	1.00	0.48	1.42
QUOTE PROGETTO			289.24	289.17	289.12	288.13	288.81	287.86
QUOTE SOTTOFONDO			288.89	288.84	288.79	288.83	287.85	287.86

Materiali - Progr.0+300.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	6.04	107.74
Scavo	0.23	3.58
Scotico	0.93	18.75
Terreno vegetale	0.99	18.77

AS_E161D
 Sez. 16
 Progr.: 0+300.00
 Scala : 1:200
 Q.Rif. : 280.00

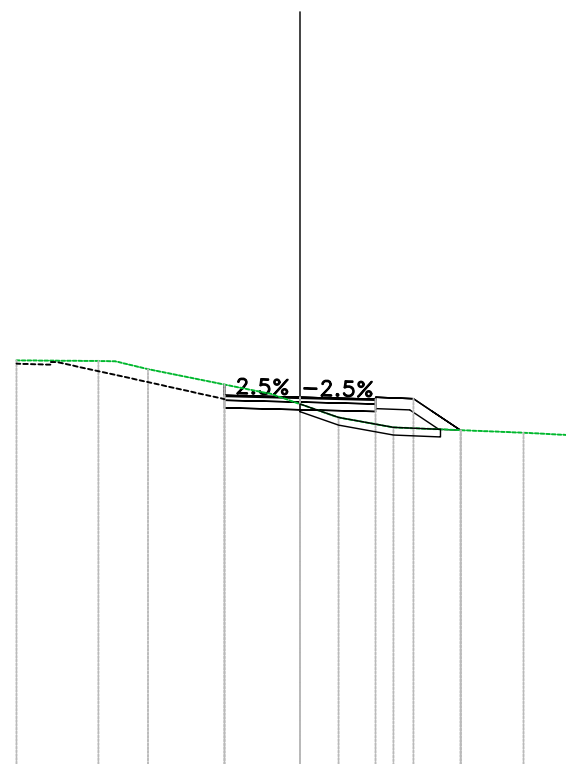


PROGRESSIVE TERRENO	7.50		-1.91	-1.25	0.00	0.97		4.27	7.50
PARZIALI TERRENO		5.51	0.32	0.84	0.97		3.30		3.23
QUOTE TERRENO	290.16		290.01	287.98	287.94	288.02		287.94	287.99
PROGRESSIVE PROGETTO			-2.00		0.00		2.00	3.00	
PARZIALI PROGETTO			0.00	2.00	2.00		1.00	0.48	
QUOTE PROGETTO			289.51	289.45	289.39	289.40	289.08	287.95	
QUOTE SOTTOFONDO			289.19	289.12	289.06	289.10	287.94		

Materiali - Progr.0+320.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.91	68.84
Scavo	0.87	11.08
Scotico	0.74	16.48
Terreno vegetale	0.65	16.03

AS_E161D
 Sez. 17
 Progr.: 0+320.00
 Scala : 1:200
 Q.Rif. : 280.00



PROGRESSIVE TERRENO	7.50	-4.89	-4.02	-0.76	0.00	1.02	2.47	5.91	7.50
PARZIALI TERRENO	2.17	0.86	3.26	0.76	1.02	1.45	3.44	1.59	
QUOTE TERRENO	290.78	290.76	290.55	289.89	289.63	289.27	289.01	288.87	288.79
PROGRESSIVE PROGETTO			-2.00	0.00	2.00	3.00	4.25		
PARZIALI PROGETTO			0.00	2.00	2.00	1.00	0.48		
QUOTE PROGETTO			289.86	289.81	289.76	289.71	289.45	288.96	288.96
QUOTE SOTTOFONDO			289.53	289.48	289.43	289.47	288.96	288.96	288.96

Materiali - Progr.0+340.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	5.56	64.71
Scavo	0.00	8.69
Scotico	1.35	20.94
Terreno vegetale	1.02	16.72

AS_E161D
 Sez. 18
 Progr.: 0+340.00
 Scala : 1:200
 Q.Rif. : 280.00

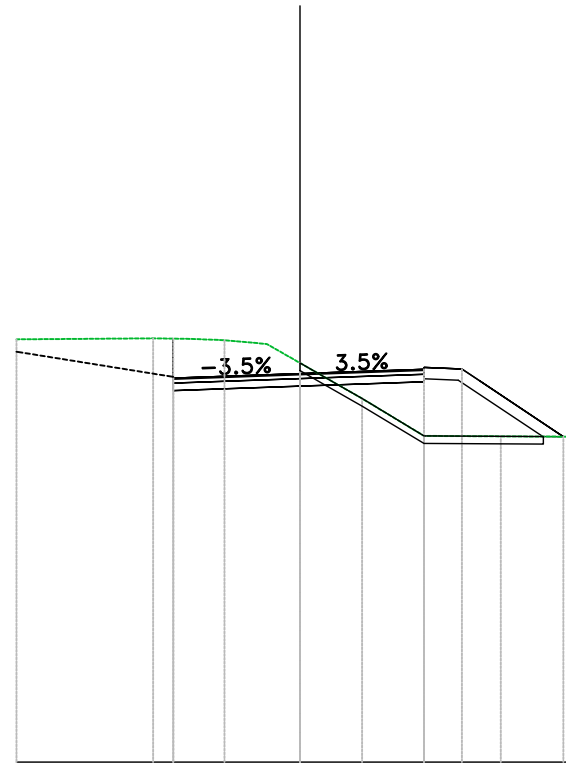


PROGRESSIVE TERRENO	7.50	-5.11	-4.25	-2.23	0.00	7.50
PARZIALI TERRENO	1.90	0.84	2.03	2.23	7.45	
QUOTE TERRENO	291.06	290.63	289.86	289.53	288.76	288.47
PROGRESSIVE PROGETTO			-2.00		2.00	3.00
PARZIALI PROGETTO			2.00	2.00	1.00	0.48
QUOTE PROGETTO			290.17	290.12	290.07	289.98
QUOTE SOTTOFONDO			289.85	289.79	289.74	288.58

Materiali - Progr.0+360.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	4.62	103.74
Scavo	4.25	41.96
Scotico	1.29	26.85
Terreno vegetale	1.17	22.72

AS_E161D
 Sez. 19
 Progr.: 0+360.00
 Scala : 1:200
 Q.Rif. : 280.00

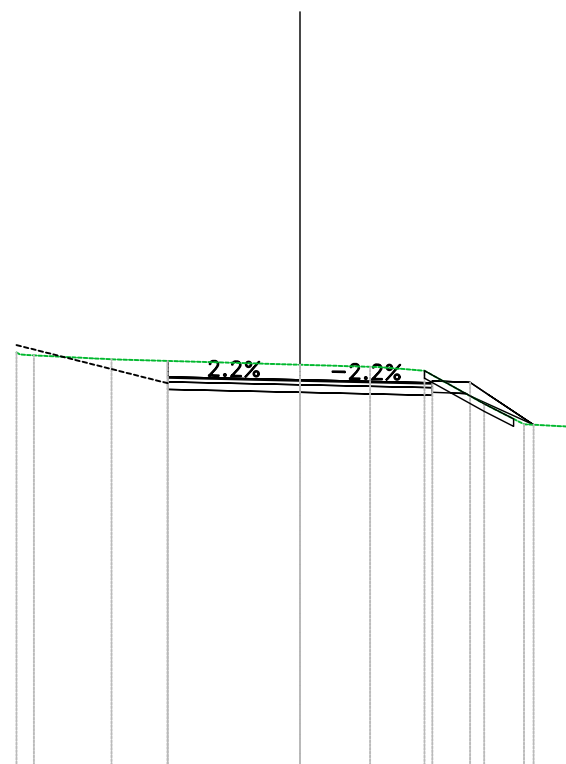


PROGRESSIVE TERRENO	7.50	-3.89	-2.89	-2.00	-0.88	0.00	1.64	3.28	5.31	7.50
PARZIALI TERRENO	3.61	1.00	0.89	1.12	0.88	1.64	1.64	2.03	2.19	
QUOTE TERRENO	291.18	291.21	291.19	291.16	291.06	290.55	289.61	288.63	288.61	288.60
PROGRESSIVE PROGETTO		-3.35						3.28	4.76	6.97
PARZIALI PROGETTO		0.00	3.35			3.28	1.00	0.48	2.21	
QUOTE PROGETTO		290.20	290.27			290.39	290.40	290.08	288.61	
QUOTE SOTTOFONDO		289.82	289.94			290.06	290.10	288.61	288.61	

Materiali - Progr.0+380.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.09	48.19
Scavo	5.25	94.64
Scotico	0.47	17.96
Terreno vegetale	0.60	18.30

AS_E161D
 Sez. 20
 Progr.: 0+380.00
 Scala : 1:200
 Q.Rif. : 280.00

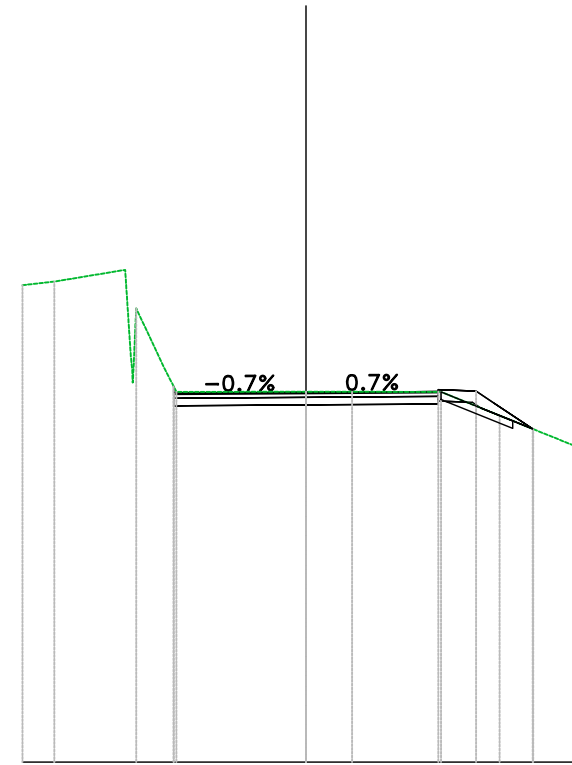


PROGRESSIVE TERRENO	-7.50	-7.04	-4.99	0.00	1.85	3.29	4.87	5.93	7.50
PARZIALI TERRENO		2.05	4.99	1.85	1.24	1.58	1.06	1.57	
QUOTE TERRENO	290.99 290.91	290.81		290.67	290.61	290.51	289.63	289.09	289.01
PROGRESSIVE PROGETTO		-3.50	0.00	3.50	4.50	4.98	6.18		
PARZIALI PROGETTO		0.00	3.50	3.50	1.00	0.48	1.20		
QUOTE PROGETTO		290.37	290.27	290.19	289.20	289.88	289.08		
QUOTE SOTTOFONDO		-290.01	-289.94	-289.86	-289.90	-289.88	-289.08		

Materiali - Progr.0+420.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.01	0.29
Scavo	2.53	31.43
Scotico	0.38	19.98
Terreno vegetale	0.60	10.09

AS_E161D
 Sez. 22
 Progr.: 0+420.00
 Scala : 1:200
 Q.Rif. : 280.00

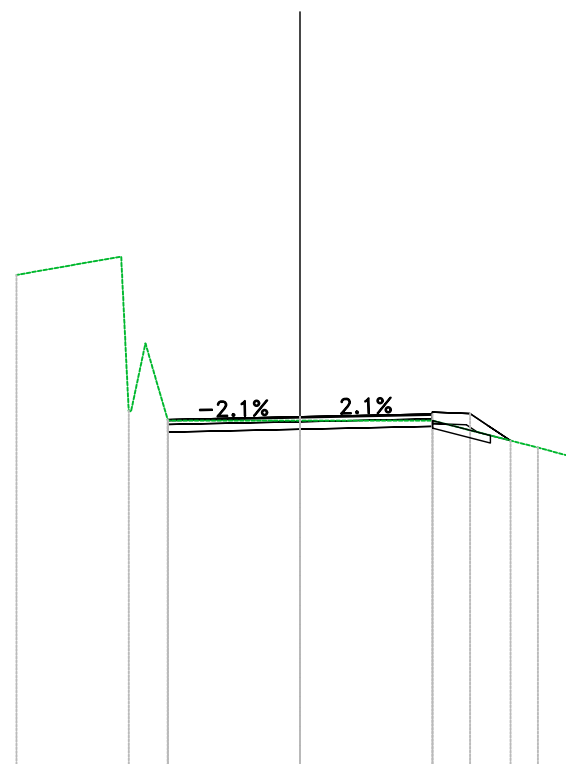


PROGRESSIVE TERRENO	7.50	-6.66	-4.49	-3.43	-0.62	0.00	1.22	3.57	5.12	7.50
PARZIALI TERRENO	0.84	1.87	0.95	0.51	2.81	0.62	1.22	2.36	1.55	2.38
QUOTE TERRENO	292.61	292.71	292.00	289.79	289.79	289.79	289.79	289.79	289.16	288.20
PROGRESSIVE PROGETTO			-3.50	0.00	3.50	4.50	4.98	6.00		
PARZIALI PROGETTO			3.50	3.50	1.00	0.48	1.02			
QUOTE PROGETTO			289.95	289.78	289.80	289.81	289.49	288.80		
QUOTE SOTTOFONDO			289.42	289.45	289.47	289.51	288.80			

Materiali - Progr.0+440.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.05	0.62
Scavo	1.62	41.47
Scotico	0.31	6.92
Terreno vegetale	0.53	11.38

AS_E161D
 Sez. 23
 Progr.: 0+440.00
 Scala : 1:200
 Q.Rif. : 280.00

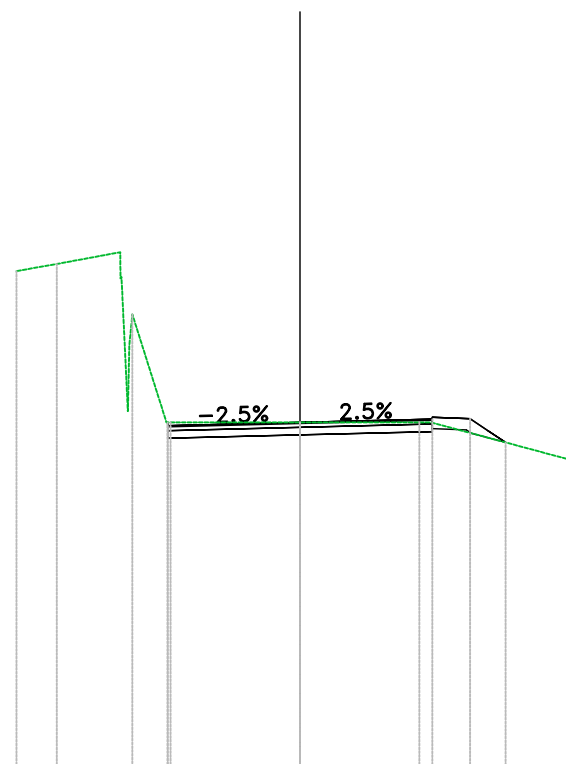


PROGRESSIVE TERRENO	7.50	-4.72	-4.09	-3.49	0.00	3.51	6.30	7.50
PARZIALI TERRENO	2.58	0.17	0.38	0.60	3.49	3.42	2.79	1.20
QUOTE TERRENO	293.04	293.34	291.23	289.19	289.19	289.19	288.48	288.15
PROGRESSIVE PROGETTO		-3.50				3.50	4.50	5.57
PARZIALI PROGETTO			3.50		3.50	1.00	0.48	0.59
QUOTE PROGETTO		289.22		289.29		289.36	289.37	288.66
QUOTE SOTTOFONDO		288.89		288.96		289.03	288.89	288.66

Materiali - Progr.0+445.17

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.01	0.15
Scavo	2.36	10.28
Scotico	0.00	0.79
Terreno vegetale	0.48	2.61

AS_E161D
 Sez. 24
 Progr.: 0+445.17
 Scala : 1:200
 Q.Rif. : 280.00



PROGRESSIVE TERRENO	7.50	-6.44	-4.44	-3.43	0.00	3.16	7.50
PARZIALI TERRENO	1.06	1.68	0.00	0.86	3.43	3.16	4.03
QUOTE TERRENO	293.14	293.33	292.00	289.14	289.14	289.14	288.06
PROGRESSIVE PROGETTO			-3.50	0.00	3.50	4.50	5.44
PARZIALI PROGETTO			3.50	3.50	1.00	0.48	0.46
QUOTE PROGETTO			289.05	289.14	289.23	289.24	288.61
QUOTE SOTTOFONDO			288.72	288.81	288.90	288.94	288.61