

S.S.121 "Cataneese"
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

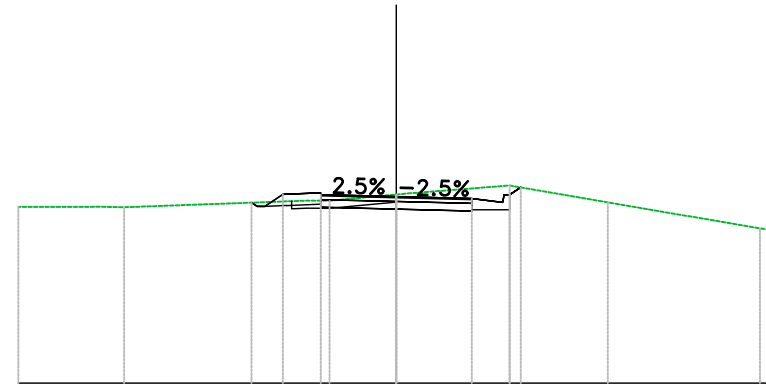
PROGETTO STRADALE
STRADE SECONDARIE
AS_E92 AS_E93
Sezioni trasversali



CODICE PROGETTO		NOME FILE		REVISIONE	SCALA:
PROGETTO	LIV. PROG. ANNO	UP62_S10PS00TRASZ01_A			
DPUP0062	D 23	CODICE ELAB.	S10 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+020.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.00
Scavo	2.35	44.12
Scotico	0.00	0.00
Terreno vegetale	0.37	11.15

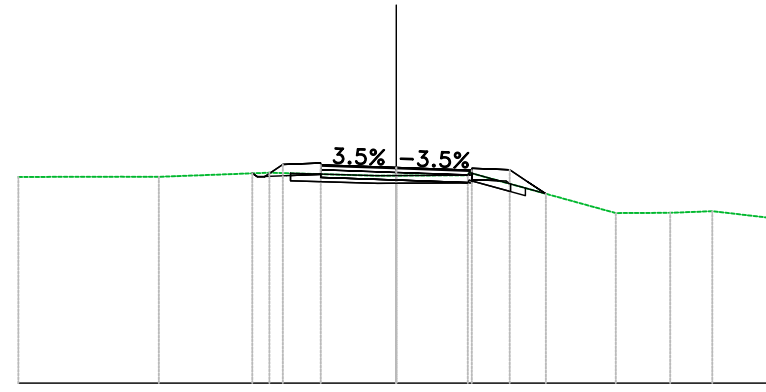
AS_E91
 Sez. 02
 Progr.: 0+020.00
 Scala : 1:200
 Q.Rif. : 100.00



PROGRESSIVE TERRENO	10.00	7.80	7.20	2.36	1.77	0.00	3.00	5.60	9.62
PARZIALI TERRENO	2.20	0.60	4.84	0.59	1.77	2.66	2.60	4.03	
QUOTE TERRENO	104.66	104.66	104.65	104.83	104.82	104.99	105.23	104.78	104.09
PROGRESSIVE PROGETTO				3.88	3.00	2.00	0.00	2.00	3.82
PARZIALI PROGETTO				0.48	1.00	2.00	2.00	0.82	0.29
QUOTE PROGETTO				104.77	104.96	104.98	104.93	104.88	104.78
QUOTE SOTTOFONDO				104.70	104.65	104.98	104.60	104.55	104.58

Materiali - Progr.0+040.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.01	0.07
Scavo	0.67	30.03
Scotico	1.16	11.63
Terreno vegetale	0.85	12.28

AS_E91
 Sez. 03
 Progr.: 0+040.00
 Scala : 1:200
 Q.Rif. : 100.00

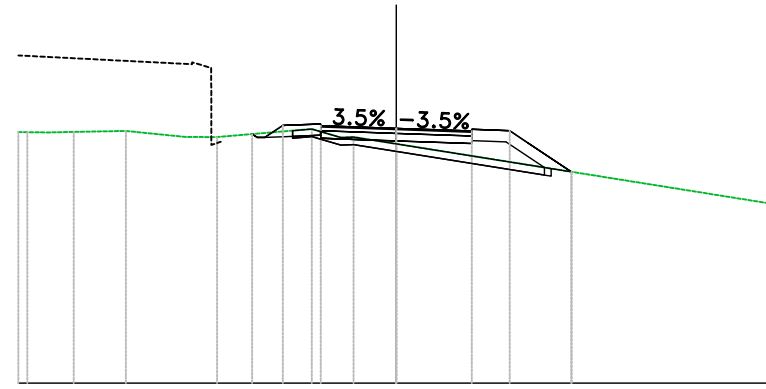


	10+00	10+05	10+10	10+15	10+20	10+25	10+30	10+35	10+40
PROGRESSIVE TERRENO	105.45	105.46	105.46	105.56	105.49	105.50	104.50	104.50	104.55
PARZIALI TERRENO		2.72	0.99	2.93	2.86	1.89	3.88	1.44	1.12
QUOTE TERRENO	105.45	105.46	105.46	105.56	105.49	105.50	104.50	104.50	104.55
PROGRESSIVE PROGETTO				105.55	105.70	105.63	105.01	105.01	
PARZIALI PROGETTO				0.48	1.00	1.00	0.47	0.47	
QUOTE PROGETTO				105.55	105.70	105.63	105.01	105.01	
QUOTE SOTTOFONDO				105.48	105.77	105.64	105.37	105.37	

Materiali - Progr.0+060.00

Materiali	Area (m²)	Vol. (m³)
Rilevato	1.10	10.79
Scavo	0.33	10.14
Scotico	1.33	24.84
Terreno vegetale	1.13	19.58

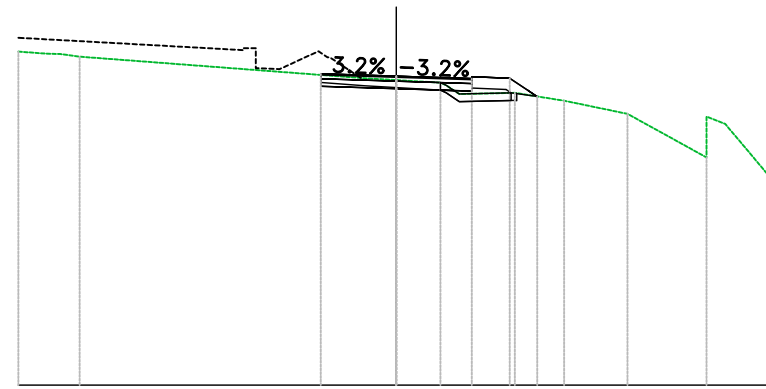
AS_E91
 Sez. 04
 Progr.: 0+060.00
 Scala : 1:200
 Q.Rif. : 100.00



PROGRESSIVE TERRENO	106.64	106.63	106.64	106.67	106.51	106.51	106.72	106.51	106.33	104.73	
PARZIALI TERRENO	0.57	0.65	1.38	1.59	0.82	2.51	0.77	1.13	10.00		
QUOTE TERRENO	106.64	106.63	106.64	106.67	106.51	106.51	106.72	106.51	106.33	104.73	
PROGRESSIVE PROGETTO						106.50	106.80	106.73	106.66	106.97	105.58
PARZIALI PROGETTO						0.48	1.00	2.00	2.00	1.00	0.48
QUOTE PROGETTO						106.50	106.80	106.73	106.66	106.97	105.58
QUOTE SOTTOFONDO						106.52	106.81	106.80	106.66	106.97	105.70

Materiali - Progr.0+080.00		
Materiale	Area (m²)	Vol. (m³)
Rilevato	0.15	12.25
Scavo	0.82	11.60
Scotico	0.37	16.91
Terreno vegetale	0.44	15.45

AS_E91
 Sez. 05
 Progr.: 0+080.00
 Scala : 1:200
 Q.Rif. : 100.00

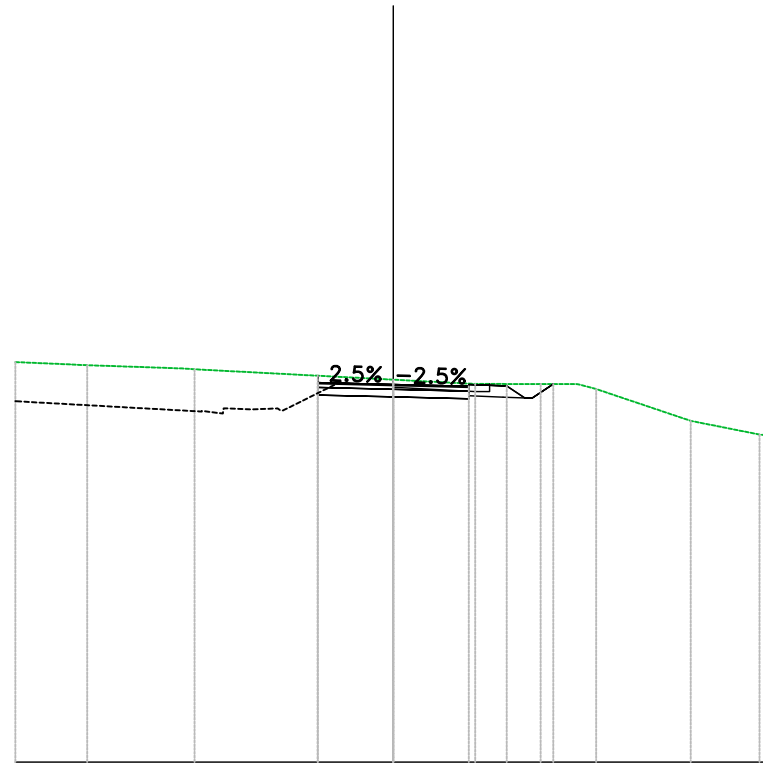


PROGRESSIVE TERRENO	10.00	8.89			0.82	0.00	1.17	3.14	4.44	6.12	8.21	10.00
PARZIALI TERRENO	0.75	0.52	7.55		0.82	1.17	1.47	1.30	1.68	2.09	0.49	1.30
QUOTE TERRENO	108.82	108.76			108.11	108.07	108.00	107.73	107.52	107.17	106.02	105.37
PROGRESSIVE PROGETTO				-2.00			2.00	3.00	3.78			
PARZIALI PROGETTO				2.00		2.00	1.00	0.48				
QUOTE PROGETTO				108.23	108.17	108.10	108.11	107.89				
QUOTE SOTTOFONDO				107.90	107.84	107.77	107.82	107.63				

Materiali - Progr.0+100.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.00	1.48
Scavo	2.51	33.23
Scotico	0.00	3.73
Terreno vegetale	0.37	8.06

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

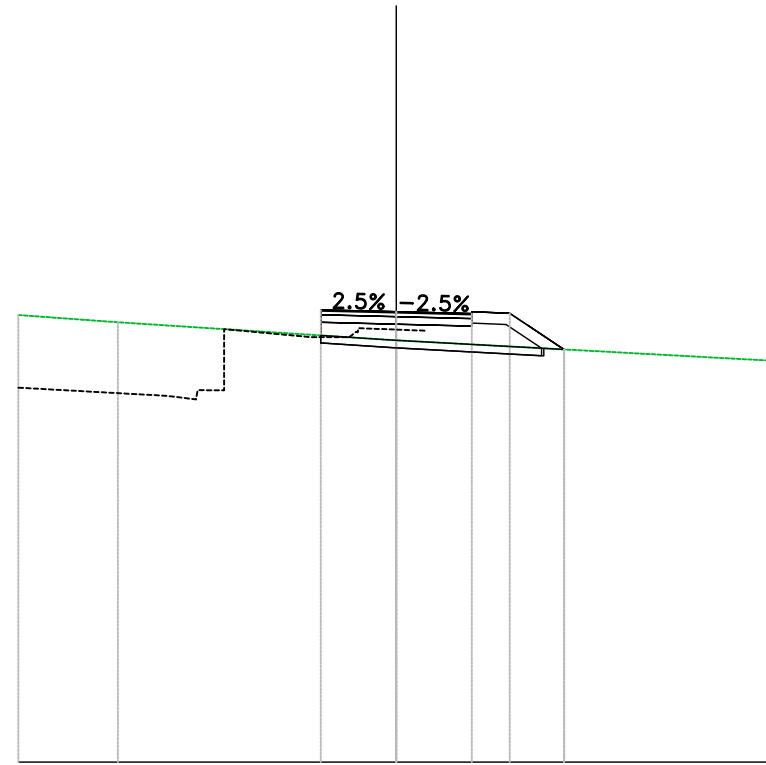


PROGRESSIVE TERRENO	10.00	8.10	5.26	0.00	2.17	3.90	4.88	6.31	7.87	10.60
PARZIALI TERRENO	1.90	2.51	5.26	2.17	1.73	0.98	0.49	0.94	1.56	1.82
QUOTE TERRENO	110.58	110.50	110.39	110.11	110.00	110.00	110.00	109.55	109.02	108.66
PROGRESSIVE PROGETTO			-2.00		2.00	3.00	3.48	4.23		
PARZIALI PROGETTO			2.00	2.00	1.00	0.48	0.55			
QUOTE PROGETTO			109.71	109.99	109.94	109.85	109.83	110.00		
QUOTE SOTTOFONDO			109.71	109.66	109.61	109.65	109.63	110.00		

Materiali - Progr.0+120.00

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	2.46	24.65
Scavo	0.00	25.11
Scotico	1.17	11.69
Terreno vegetale	0.71	10.85

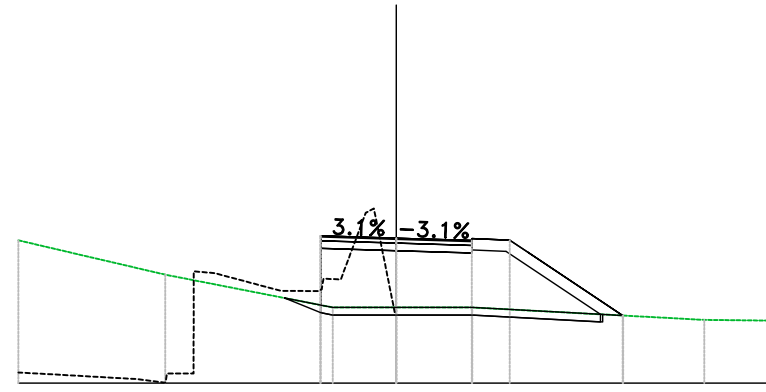
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 Sez. 07
 Progr.: 0+120.00
 Scala : 1:200
 Q.Rif. : 100.00



PROGRESSIVE TERRENO	10+00	7+37	0+00	10+00
PARZIALI TERRENO	2.63	7.23	10.00	
QUOTE TERRENO	111.82	111.63	111.15	110.61
PROGRESSIVE PROGETTO		-2.00	0.00	2.00
PARZIALI PROGETTO		2.00	2.00	1.00
QUOTE PROGETTO		111.96	111.86	111.87
QUOTE SOTTOFONDO		111.58	111.91	110.95

Materiali - Progr.0+140.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	9.29	117.07
Scavo	0.00	0.00
Scotico	1.58	27.32
Terreno vegetale	1.28	19.61

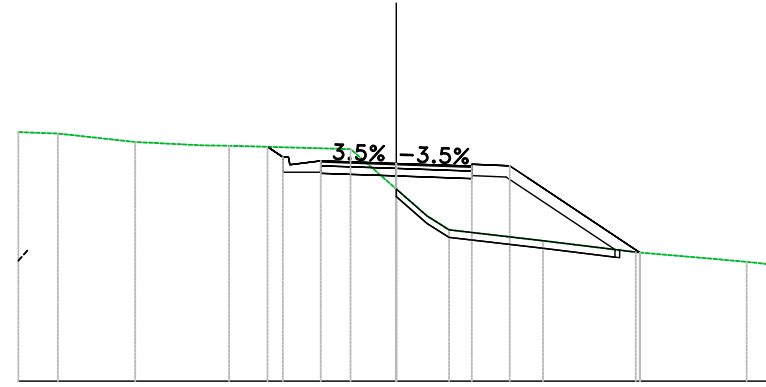
AS_E91
 Sez. 08
 Progr.: 0+140.00
 Scala : 1:200
 Q.Rif. : 110.00



PROGRESSIVE TERRENO	10.00	6.11	1.68	0.00	0.62	2.01	8.15	10.00
PARZIALI TERRENO	3.89	4.43	1.19	0.62	1.39	6.14	1.85	
QUOTE TERRENO	113.78	112.87	112.00	112.00	112.00	112.00	111.67	111.65
PROGRESSIVE PROGETTO			-2.00		2.00	3.00	6.00	
PARZIALI PROGETTO			2.00	2.00	1.00	2.51		
QUOTE PROGETTO			113.89	113.83	113.77	113.78	111.79	
QUOTE SOTTOFONDO			112.89	113.50	113.44	113.48	111.82	

Materiali - Progr.0+160.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	5.82	146.67
Scavo	1.49	15.46
Scotico	1.16	26.32
Terreno vegetale	1.43	25.06

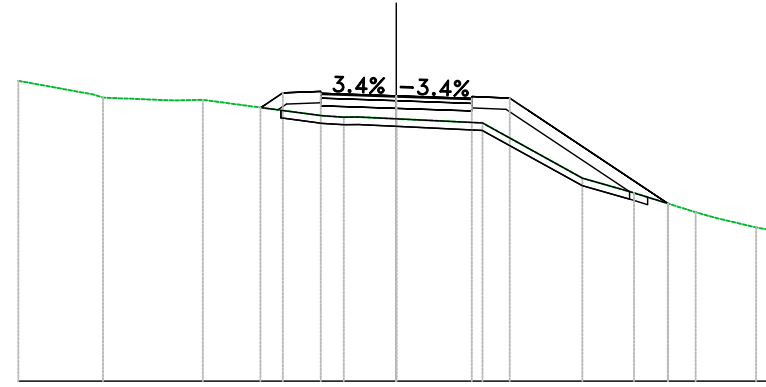
AS_E91
 Sez. 09
 Progr.: 0+160.00
 Scala : 1:200
 Q.Rif. : 110.00



PROGRESSIVE TERRENO	10.00	8.95	6.91	5.15	4.43	1.21	0.00	0.81	1.40	3.88	6.34	9.27	10.00
PARZIALI TERRENO	1.05	2.04	1.76	0.72	3.22	1.21	0.81	0.58	2.48	2.46	2.94	0.73	
QUOTE TERRENO	116.59	116.55	116.32	116.24	116.22	116.14	115.08	114.37	114.00	113.71	113.41	113.16	113.07
PROGRESSIVE PROGETTO							0.00	2.00	3.00	3.48	6.48		
PARZIALI PROGETTO				0.41	0.82	2.00	2.00	1.00	0.48	2.96			
QUOTE PROGETTO				116.20	115.72	115.82	115.75	115.68	115.58	113.40			
QUOTE SOTTOFONDO				115.39	115.49	115.42	115.40	115.35	113.40				

Materiali - Progr.0+180.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	3.32	87.20
Scavo	0.00	15.53
Scotico	1.84	28.78
Terreno vegetale	2.06	32.49

AS_E91
 Sez. 10
 Progr.: 0+180.00
 Scala : 1:200
 Q.Rif. : 110.00

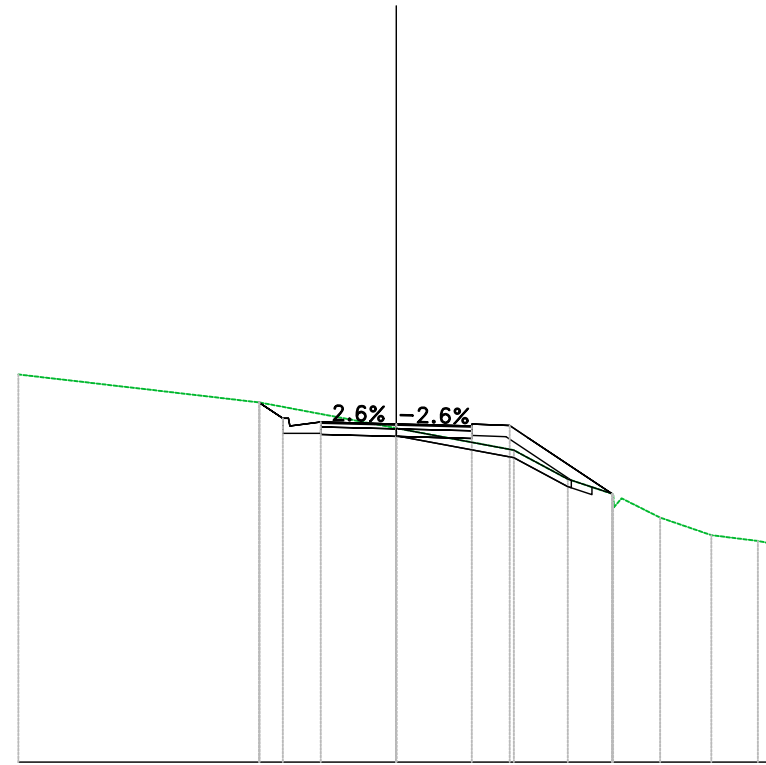


PROGRESSIVE TERRENO	10.00	7.76	5.89	5.12	1.95	0.92	0.00	2.28	4.92	6.29	7.92	8.46	9.52	10.00
PARZIALI TERRENO	1.98	1.87	0.77	3.17	0.56	0.92	2.28	2.63	1.37	1.63	0.54	1.06		
QUOTE TERRENO	117.94	117.50	117.42	117.44	117.02	116.98	116.94	116.83	115.37	114.98	114.47	114.31	114.06	113.98
PROGRESSIVE PROGETTO					3.00	2.00		2.00	3.00	3.48	7.18			
PARZIALI PROGETTO					0.48	1.00	2.00	2.00	1.00	0.48	3.70			
QUOTE PROGETTO					117.20	117.62	117.61	117.48	117.49	117.17	115.01	114.70		
QUOTE SOTTOFONDO					117.23	117.33	117.28	117.21	117.15	117.19	115.01	114.70		

Materiali - Progr.0+200.00

Materiali	Area (m ²)	Vol. (m ³)
Rilevato	0.49	37.35
Scavo	1.62	16.46
Scotico	0.93	27.22
Terreno vegetale	1.08	30.48

AS_E91
 Sez. 11
 Progr.: 0+200.00
 Scala : 1:200
 Q.Rif. : 110.00

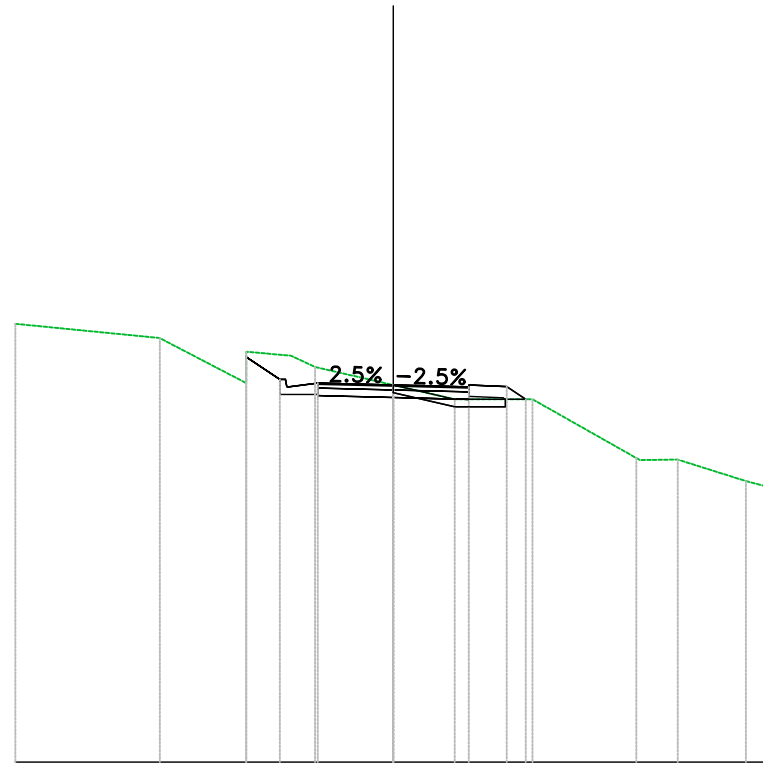


PROGRESSIVE TERRENO	10.00						
		6.39					
PARZIALI TERRENO			3.61				
				2.73			
QUOTE TERRENO	120.25		119.51		118.83		118.25
				117.48		117.09	116.46
						116.00	115.85
PROGRESSIVE PROGETTO			3.63		0.00		
				2.00			
PARZIALI PROGETTO			0.63				
				1.00			
QUOTE PROGETTO			119.51		118.94		118.25
				118.89		117.09	116.46
						116.00	115.85
QUOTE SOTTOFONDO			119.51		118.94		118.25
				118.89		117.45	117.00
						116.00	115.85

Materiali – Progr.0+217.60

Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.05	4.81
Scavo	2.60	37.16
Scotico	0.59	13.36
Terreno vegetale	0.39	12.95

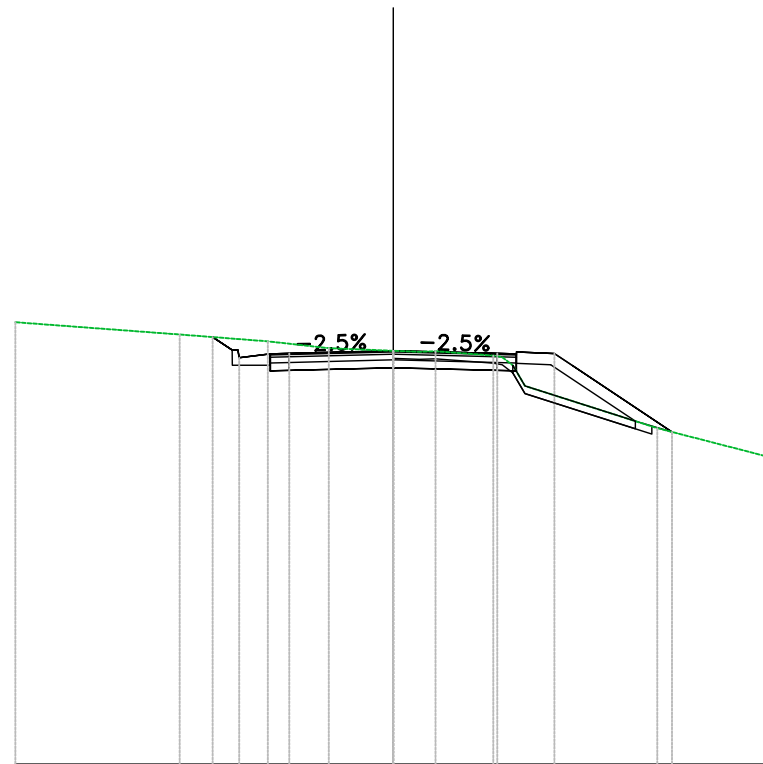
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 Sez. 12
 Progr.: 0+217.60
 Scala : 1:200
 Q.Rif. : 110.00



PROGRESSIVE TERRENO	10.00	6.18	3.89	2.71	2.07	0.00	1.62	3.68	6.43	7.52	9.33	10.00	
PARZIALI TERRENO		3.77	2.29	0.00	1.18	0.64	2.07	1.62	2.06	2.75	0.96	1.81	0.67
QUOTE TERRENO	121.59	121.21	120.85	120.75	120.45	119.97	119.59	119.60	118.04	118.00	117.43	117.25	
PROGRESSIVE PROGETTO			3.89	2.82	2.00		2.00	3.00					
PARZIALI PROGETTO			0.89	0.82	2.00		2.00	1.00	0.48				
QUOTE PROGETTO			120.71	119.92	120.02	119.64	119.97	119.92	119.60				
QUOTE SOTTOFONDO			120.71	119.92	120.02	119.64	119.97	119.92	119.60				

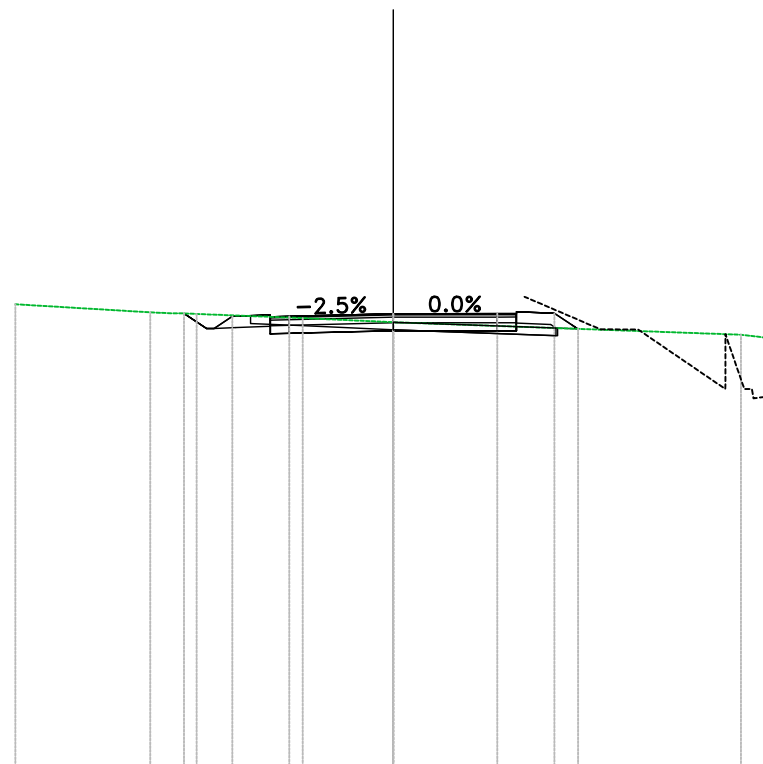
Materiali - Progr.0+000.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	1.43	0.00
Scavo	3.97	0.00
Scotico	0.65	0.00
Terreno vegetale	1.25	0.00

AS_E93
 Sez. 01
 Progr.: 0+000.00
 Scala : 1:200
 Q.Rif. : 100.00



PROGRESSIVE TERRENO	10:00	-5.65	-3.32	-1.71	0.00	0.69	2.65	3.16	6.99	10:00
PARZIALI TERRENO	4.35	2.33	1.61	1.71	0.69	1.53	0.32	3.50	3.01	
QUOTE TERRENO	111.69	111.36	111.18	111.00	110.93	110.90	110.80	110.54	108.88	108.11
PROGRESSIVE PROGETTO		-4.78	-4.08	-3.25	0.00	2.75	3.25	4.26	7.37	
PARZIALI PROGETTO		0.52	0.82	0.50	2.75	2.75	0.50	1.00	2.63	
QUOTE PROGETTO		111.29	110.75	110.88	110.93	110.86	110.86	110.84	108.78	
QUOTE SOTTOFONDO		110.55	110.49	110.48	110.48	110.48	110.56	110.56	109.07	108.78

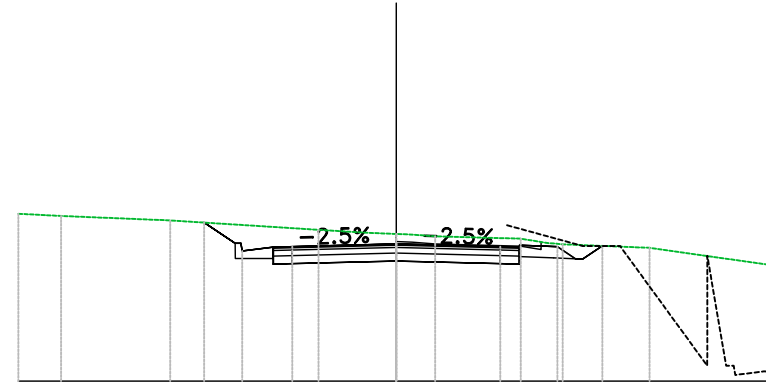
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 Sez. 03
 Progr.: 0+040.00
 Scala : 1:200
 Q.Rif. : 100.00



PROGRESSIVE TERRENO	10.00		6.43	5.81	5.20		2.39	0.00		9.20	10.00
PARZIALI TERRENO		3.57	0.62		2.81		2.39		9.07	0.80	
QUOTE TERRENO	112.21		112.00	111.97	111.96		111.85	111.74		111.41	111.31
PROGRESSIVE PROGETTO			5.54	4.74	4.26		3.25		2.75	4.26	4.89
PARZIALI PROGETTO			0.60	0.48	1.00		0.50	2.75	0.50	1.00	0.48
QUOTE PROGETTO			111.97	111.89	111.88		111.96	111.96	111.96	111.97	111.96
QUOTE SOTTOFONDO			111.97	111.57	111.60		111.43	111.51	111.51	111.68	111.56

Materiali - Progr.0+060.00		
Materiale	Area (m²)	Vol. (m³)
Rilevato	0.00	0.90
Scavo	6.81	90.84
Scotico	0.00	8.66
Terrano vegetale	0.37	11.70

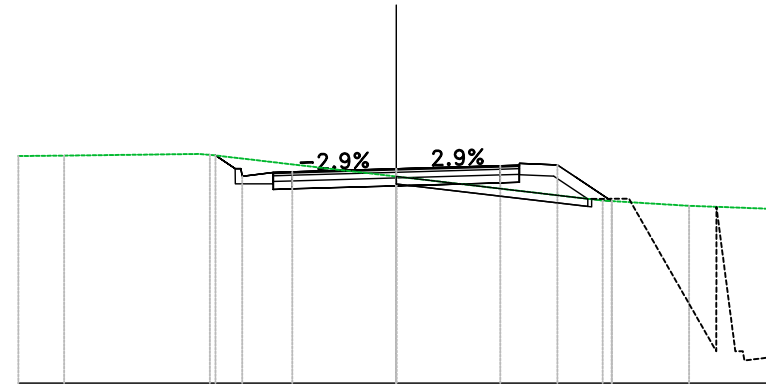
AS_E93
 Sez. 04
 Progr.: 0+060.00
 Scala : 1:200
 Q.Rif. : 110.00



PROGRESSIVE TERRENO	10.00	8.87	5.98	2.06	0.77	0.00	1.03	3.29	4.04	6.70	10.00
PARZIALI TERRENO	1.13	2.89	3.92	1.29	0.77	0.61	2.27	0.74	2.20	3.25	
QUOTE TERRENO	114.43	114.37	114.25	114.00	113.92	113.89	113.83	113.77	113.65	113.52	113.06
PROGRESSIVE PROGETTO			5.08	4.08	3.25	2.75	2.75	3.25	4.26	4.74	5.45
PARZIALI PROGETTO			0.82	0.82	0.50	2.75	2.75	0.50	1.00	0.48	0.51
QUOTE PROGETTO			114.19	113.44	113.54	113.63	113.58	113.54	113.55	113.23	113.58
QUOTE SOTTOFONDO			114.19	113.24	113.09	113.18	113.09	113.09	113.26	113.24	113.58

Materiali - Progr.0+080.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.82	8.28
Scavo	2.50	92.88
Scotico	1.01	10.20
Terreno vegetale	0.71	10.90

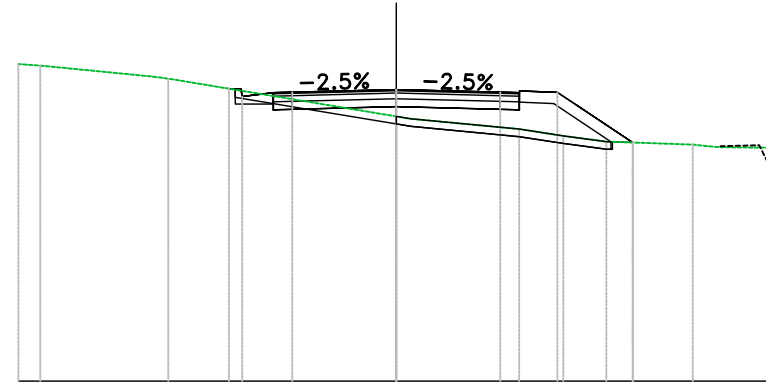
AS_E93
 Sez. 05
 Progr.: 0+080.00
 Scala : 1:200
 Q.Rif. : 110.00



PROGRESSIVE TERRENO	10.00	8.79	4.93	0.00	5.46	7.75	10.00
PARZIALI TERRENO	1.21	3.55	4.93	5.46	2.28	2.25	
QUOTE TERRENO	116.01	116.02	116.04	115.46	114.83	114.69	114.61
PROGRESSIVE PROGETTO			4.79	4.08	3.25	2.75	
PARZIALI PROGETTO			0.52	0.82	0.50	1.00	
QUOTE PROGETTO			116.02	115.47	115.57	115.76	114.81
QUOTE SOTTOFONDO			115.92	115.14	115.59	115.45	114.81
			2.75	2.75	0.96		

Materiali - Progr.0+100.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	2.79	36.81
Scavo	0.65	30.91
Scotico	1.14	21.90
Terreno vegetale	0.92	16.76

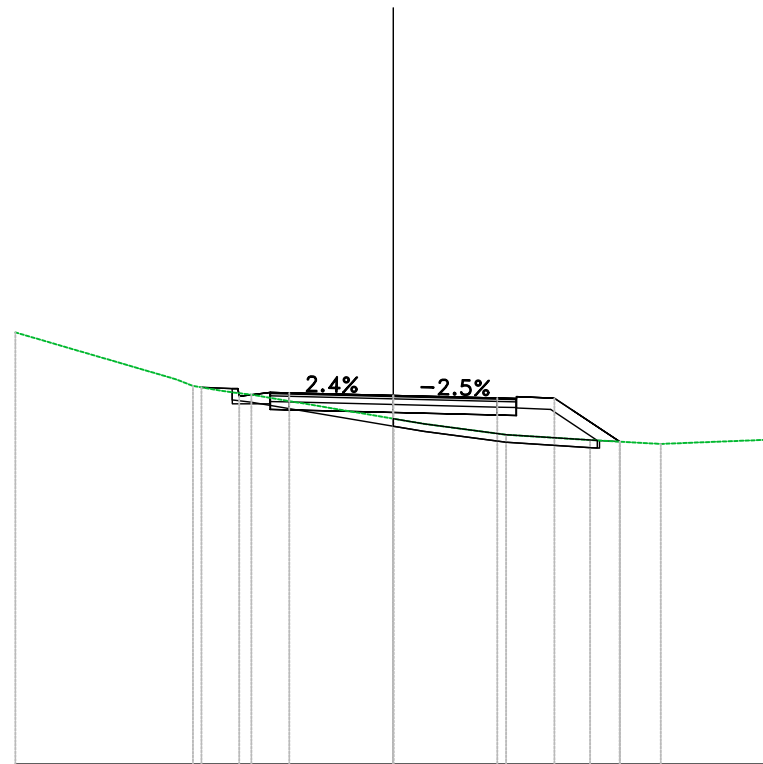
AS_E93
 Sez. 06
 Progr.: 0+100.00
 Scala : 1:200
 Q.Rif. : 110.00



PROGRESSIVE TERRENO	10.00	9.42	6.03	0.00	3.25	4.42	5.56	7.84	8.34	10.00
PARZIALI TERRENO	0.58	2.97	6.03	2.87	1.17	1.14	2.29	0.50	1.39	
QUOTE TERRENO	118.38	118.35	118.00	117.00	116.67	116.48	116.33	116.25	116.20	116.17
PROGRESSIVE PROGETTO			4.68	0.00	2.75	4.26	6.26			
PARZIALI PROGETTO			0.82	2.75	2.75	0.50	1.00	1.51		
QUOTE PROGETTO			117.32	117.64	117.71	117.64	117.52	116.31		
QUOTE SOTTOFONDO			117.38	117.18	117.26	117.18	116.33			

Materiali - Progr.0+120.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	2.47	51.14
Scavo	0.56	12.45
Scotico	1.08	21.56
Terreno vegetale	0.82	16.59

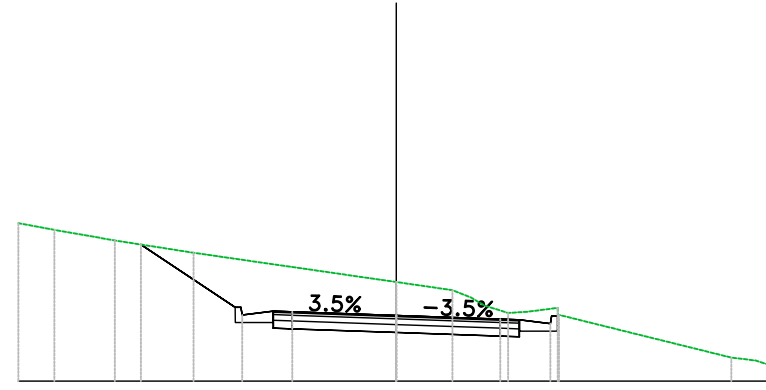
AS_E93
 Sez. 07
 Progr.: 0+120.00
 Scala : 1:200
 Q.Rif. : 110.00



PROGRESSIVE TERRENO	10.00	5.30	4.50	3.75	0.00	0.81	2.99	5.20	7.08	10.00
PARZIALI TERRENO	4.24	0.56		3.75	0.81	2.18	2.22	1.87	2.86	
QUOTE TERRENO	121.42	120.00	119.87	119.77	119.13	119.00	118.71	118.57	118.47	118.58
PROGRESSIVE PROGETTO		5.07	4.08	3.25	0.00	3.25	4.26	4.74	6.00	
PARZIALI PROGETTO		0.81	0.82	0.50	2.75	2.75	0.50	1.00	0.48	1.25
QUOTE PROGETTO		119.96	119.73	119.83	119.75	119.68	119.68	119.58	118.53	
QUOTE SOTTOFONDO		120.00	119.53	119.38	119.30	119.23	119.38	118.56	118.53	

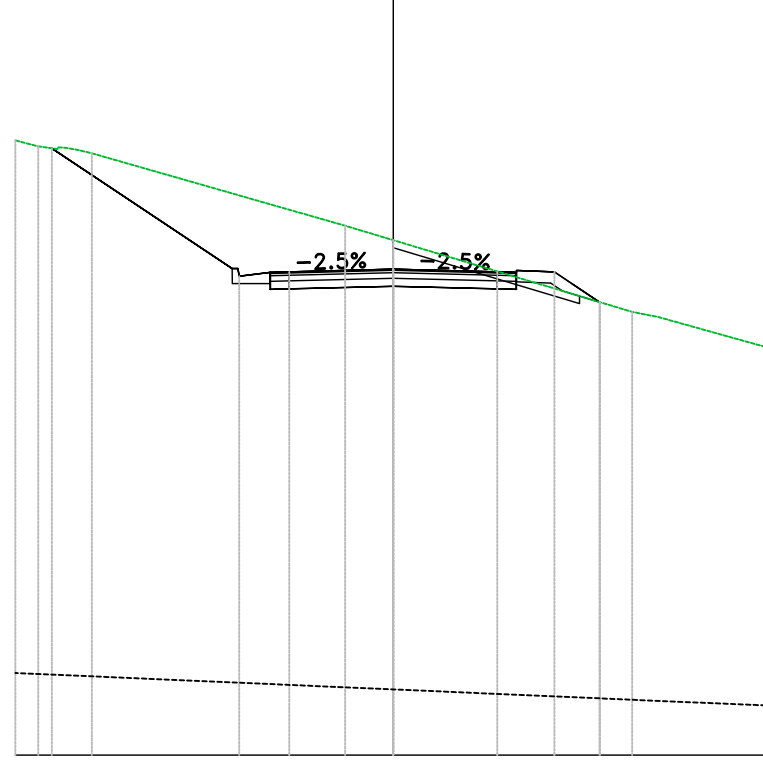
Materiali - Progr.0+140.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.00	22.09
Scavo	12.04	132.96
Scofico	0.00	9.65
Terreno vegetale	0.00	6.73

AS_E93
 Sez. 08
 Progr.: 0+140.00
 Scala : 1:200
 Q.Rif. : 120.00



PROGRESSIVE TERRENO	10.00	9.05	7.45	5.36	0.00	1.49	2.33	2.96	3.50	4.27	8.86	9.51	10.00
PARZIALI TERRENO	0.95	1.60	2.08	5.36	1.49	0.49	0.63	0.54	0.77	4.59	0.65	0.49	
QUOTE TERRENO	124.18	124.00	123.72	123.39	122.62	122.41	122.00	121.80	121.84	121.94	120.62	120.54	120.38
PROGRESSIVE PROGETTO			6.75	4.08	3.25	2.75	2.75	3.25	4.08				
PARZIALI PROGETTO			2.49	0.82	0.50	2.75	2.75	0.50	0.82				
QUOTE PROGETTO			123.61	121.75	121.85	121.73	121.64	121.62	121.58				
QUOTE SOTTOFONDO			123.61	121.55	121.40	121.28	121.19	121.17	121.38				

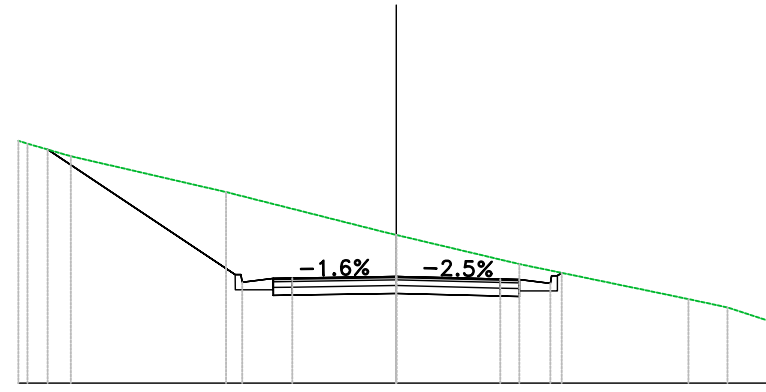
AS_E93
 Sez. 09
 Progr.: 0+160.00
 Scala : 1:200
 Q.Rif. : 110.00



PROGRESSIVE TERRENO	0+00	0+10	0+20	0+30	0+40	0+50	0+60	0+70	0+80	0+90	0+100
PARZIALI TERRENO	0.61	0.51		6.70		1.27		6.32		0.70	2.98
QUOTE TERRENO	126.26	126.10	126.06	125.92		124.00	123.62		121.72	121.58	120.75
PROGRESSIVE PROGETTO	0+00	0+10	0+20	0+30	0+40	0+50	0+60	0+70	0+80	0+90	0+100
PARZIALI PROGETTO			4.77		0.82	0.50	2.75	2.75	0.50	1.00	0.48
QUOTE PROGETTO	126.05	126.05		122.67	122.77	122.78	122.85		122.78	122.78	121.98
QUOTE SOTTOFONDO	126.05			122.47	122.32	122.33	122.40		122.32	122.48	121.98

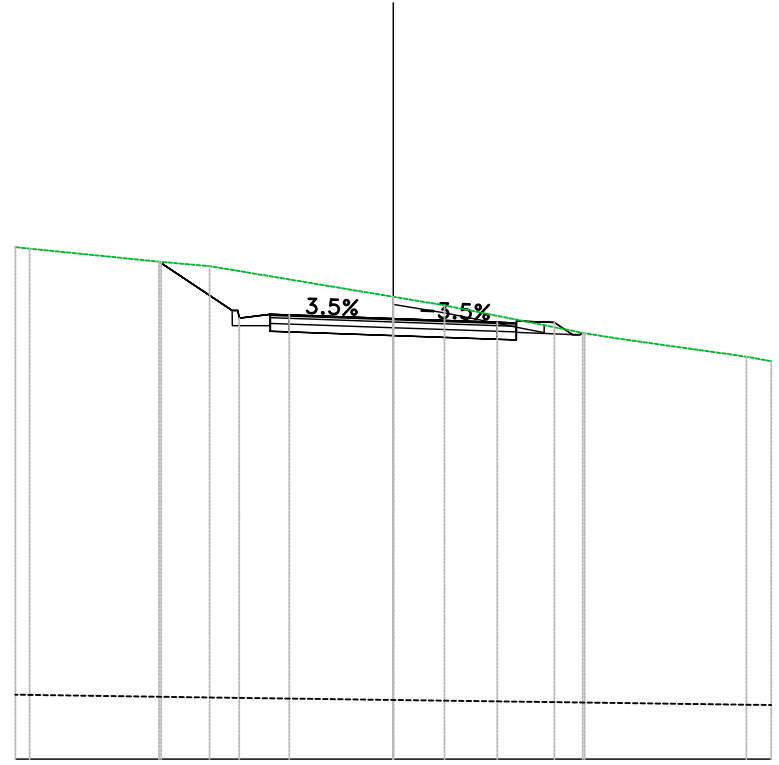
Materiali - Progr.0+180.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.00	0.42
Scavo	18.60	341.43
Scotico	0.00	0.00
Terreno vegetale	0.00	5.57

AS_E93
 Sez. 10
 Progr.: 0+180.00
 Scala : 1:200
 Q.Rif. : 120.00



PROGRESSIVE TERRENO	-9.78	-8.61	-4.50	0.00	3.25	7.73	8.76	9.66
PARZIALI TERRENO	1.15	4.11	4.16	3.25	4.48	1.03	0.95	
QUOTE TERRENO	126.53	126.00	125.05	123.92	123.15	122.22	122.00	121.58
PROGRESSIVE PROGETTO	-9.23		-4.08	0.00	2.75	4.98		
PARZIALI PROGETTO		4.96	0.82	2.75	0.50	0.82		
QUOTE PROGETTO	126.18		122.67	122.82	122.74	122.64		
QUOTE SOTTOFONDO	126.18		122.47	122.37	122.39	122.44		

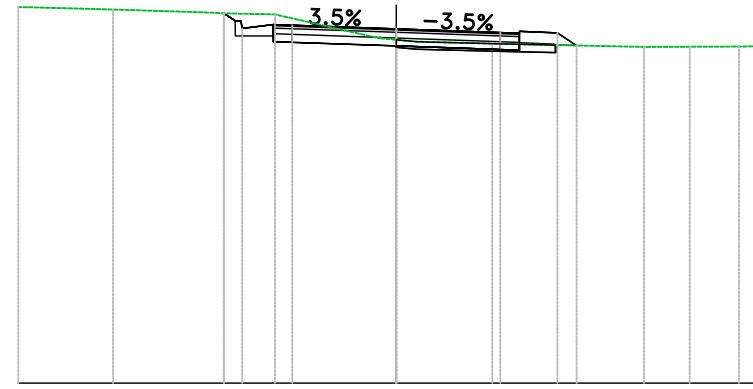
AS_E93
 Sez. 11
 Progr.: 0+200.00
 Scala : 1:200
 Q.Rif. : 110.00



PROGRESSIVE TERRENO	19.00	19.62					
PARZIALI TERRENO		3.48					
QUOTE TERRENO	123.50	123.50					
PROGRESSIVE PROGETTO							
PARZIALI PROGETTO							
QUOTE PROGETTO							
QUOTE SOTTOFONDO							

Materiali - Progr.0+220.00		
Materiale	Area (m ²)	Vol. (m ³)
Rilevato	0.03	0.25
Scavo	2.46	125.72
Scotico	0.84	7.70
Terreno vegetale	0.38	6.37

AS_E93
 Sez. 12
 Progr.: 0+220.00
 Scala : 1:200
 Q.Rif. : 110.00



	10.00	7.49	4.56	3.21	0.00	2.54	6.55	7.76	9.07	10.00	
PROGRESSIVE TERRENO	10.00	7.49	4.56	3.21	0.00	2.54	6.55	7.76	9.07	10.00	
PARZIALI TERRENO		2.51	2.53	1.36	2.77	0.54	2.00	4.01	1.21	1.30	0.93
QUOTE TERRENO	119.95	119.88	119.78	119.75	119.08	118.98	118.89	118.90	118.90	118.90	118.91
PROGRESSIVE PROGETTO			4.56	3.25		2.75					
PARZIALI PROGETTO			0.30	0.82	2.75	0.50					
QUOTE PROGETTO			119.38	119.48	119.37	118.25					
QUOTE SOTTOFONDO			119.78	119.03	118.92	118.86					