GRUPPO FS ITALIANE

Direzione Tecnica

S.S. n°1 AURELIA
VARIANTE ALL'ABITATO DI IMPERIA
LOTTO 1
DA SVINCOLO TORRENTE PRINO A SVINCOLO IMPERO

PROGETTO DEFINITIVO

COD. GE271

PROGETTAZIONE:
RAGGRUPPAMENTO
TEMPORANEO PROGETTISTI

MANDATARIA: PRO ITER Progetto Infrastrutture Territorio s.r.l.

MANDANTI: delta ingegneria; ViA INGEGNERIA

IL RESPONSABILE DELL'INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE:
Ing. Riccardo Formichi – Società Pro Iter Srl
Ordine Ingegneri Provincia di Milano n. 18045

IL GEOLOGO:
Geol. Massimo Mezzanzanica – Società Pro Iter Srl
Ordine Geologi Regione Lombardia n. A762

IL COORDINATORE PER LA SICUREZZA IN FASE DI PROGETTAZIONE:
Ing. Matteo Di Girolamo – Società VIA Ingegneria Srl
Ordine Ingegneri Provincia di Roma n. n° 15138

VISTO: IL RESP. DEL PROCEDIMENTO:
Ing. Fabrizio Cardone

PROTOCOLLO: DATA:

IL PROGETTISTA:
Ing. Massimo Capasso – Società VIA Ingegneria Srl
Ordine Ingegneri Provincia di Roma n. A 26031

ORDINE DEGLI INGEGNERI DELLA PROVINCIA DI MILANO – DOTT.ING. FORMICHI RICCARDO – Sez.A Settori: a) civile e ambientale b) industriale c) dell'informazione – n°A 18045

ING. MASSIMO CAPASSO – ORDINE INGEGNERI ROMA – A 26031 – settore a-b-c

05 PROGETTO STRADALE
05.03.03 – Svincolo Caramagna
Sezioni trasversali – Fascicolo

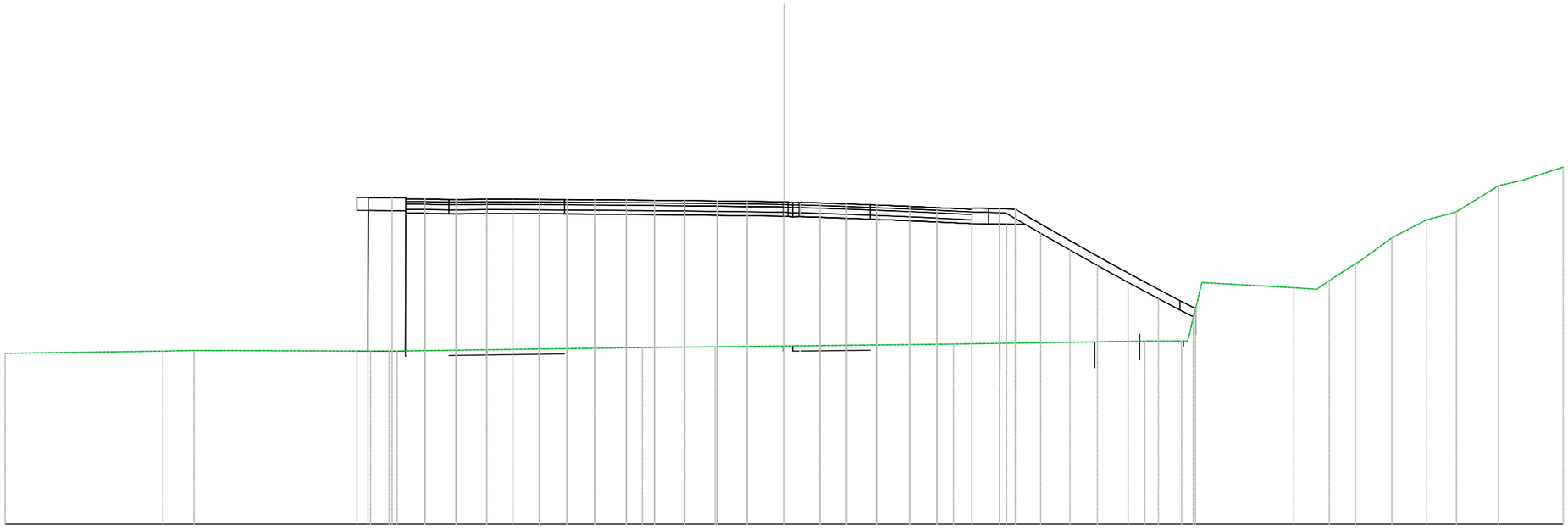
CODICE PROGETTO	NOME FILE	REVISIONE	SCALA
PROGETTO: DPGE2710 LIV. PROG.: D 23	V03PS00TRASZ01_A		
	CODICE ELAB.: V03PS00TRASZ01	A	1:200

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
D					
C					
B					
A	EMISSIONE	GEN 2024	F. DOSMI	M. CAPASSO	R. FORMICHI

VIA MARTE

Materiali – Progr.0+021.78	
Materiale	**Area (m^2)**
Base	4.34
Binder	2.17
Fondazione	3.99
Rilevato	136.74
Scavo	0.00
Scotico	0.00
Terreno vegetale	2.78
Usura	2.17

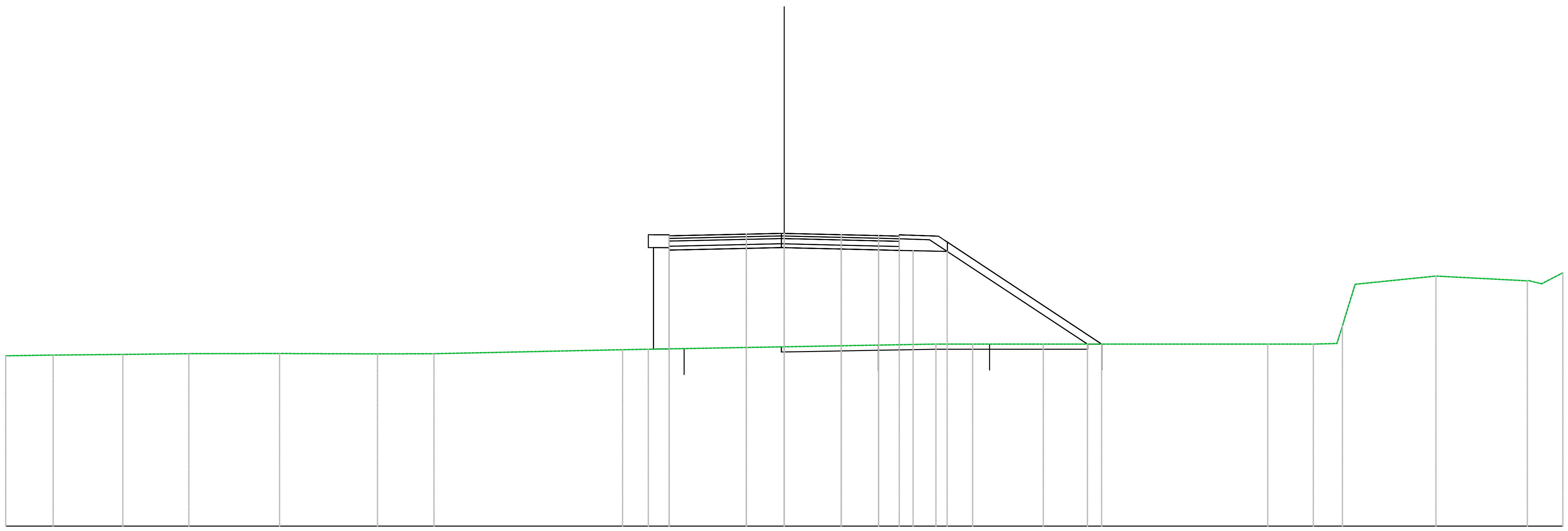
VIA MARTE
Sez. MART_02
Progr.: 0+021.78
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-30.00	-23.50	-22.72	-15.21	-5.46	-2.66	0.00	6.53	13.89	14.42	15.31	15.92	19.63	20.52	22.00	23.40	24.75	25.66	26.85	27.51	28.06	30.00
PARZIALI TERRENO	6.08	0.78	7.51	9.76	2.80	2.66	6.53	7.36	0.89	0.48	1.00	3.54	0.89	0.48	1.00	1.21	1.35	0.90	0.96	0.66	0.55	1.55
QUOTE TERRENO	16.56	16.65	16.67	16.64	16.78	16.81	16.84	16.91	17.03	17.03	17.03	18.56	19.08	19.02	20.00	21.00	21.69	21.93	22.59	23.00	23.13	23.72
PROGRESSIVE PROGETTO				-15.09	-14.25	-13.44	-12.64	-11.65	-10.84	-9.81	-9.04	-8.27	-7.50	-6.65	-5.81	-4.99	-3.83	-2.94	-2.01	-0.87	1.38	2.41	3.21	4.07	4.84	5.89	6.72	7.63	8.90
PARZIALI PROGETTO				0.37	0.39	0.38	0.39	0.42	0.50	0.40	0.47	0.38	0.47	0.47	0.44	0.49	0.51	0.53	0.58	0.74	0.47	0.36	0.41	0.62	0.82	0.37	0.41	0.61	
QUOTE PROGETTO				22.54	22.49	22.48	22.47	22.48	22.48	22.48	22.47	22.47	22.46	22.45	22.45	22.44	22.43	22.42	22.41	22.39	22.38	22.34	22.30	22.27	22.24	22.21	22.16	22.12	22.13	22.10	
QUOTE SOTTOFONDO				21.94	21.92	21.92	21.93	21.93	21.93	21.92	21.92	21.91	21.90	21.90	21.89	21.88	21.87	21.86	21.84	21.83	21.79	21.75	21.72	21.69	21.66	21.61	21.57	21.54	21.53	21.17	20.62	20.14	19.69	19.07	18.66	18.22	18.28

Materiali – Progr.0+040.00	
Materiale	**Area (m^2)**
Base	1.77
Binder	0.89
Fondazione	1.99
Rilevato	49.71
Scavo	0.00
Scotico	0.00
Terreno vegetale	2.43
Usura	0.89

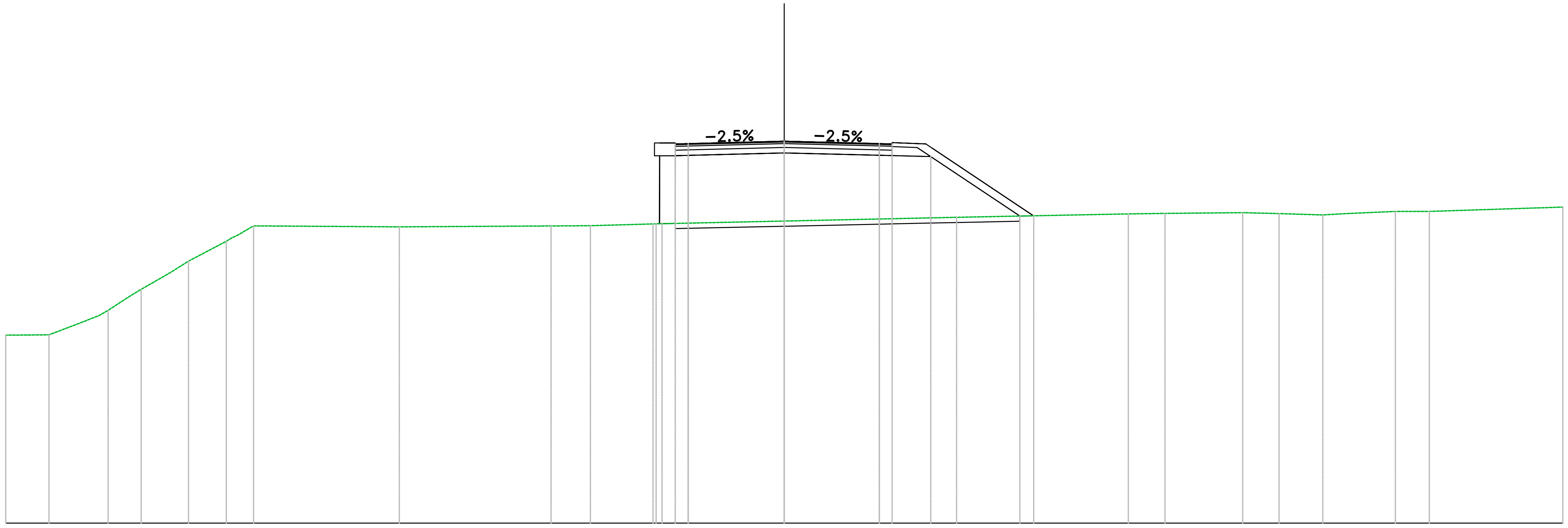
VIA MARTE
Sez. MART_03
Progr.: 0+040.00
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	−30.00, −28.17, −25.49, −22.94, −19.44, −15.67, −13.50, −6.23, 0.00, 5.85, 7.26, 9.98, 18.63, 20.39, 21.29, 21.84, 25.11, 28.63, 29.18, 30.00
PARZIALI TERRENO	1.83, 2.68, 2.55, 3.50, 3.77, 2.18, 7.27, 6.23, 5.85, 1.41, 2.72, 8.65, 1.76, 0.91, 0.22, 0.25, 3.11, 3.52, 0.50, 0.82
QUOTE TERRENO	16.56, 16.58, 16.61, 16.64, 16.64, 16.63, 16.64, 16.79, 16.90, 17.01, 17.01, 17.01, 17.01, 17.01, 17.03, 18.80, 19.63, 19.44, 19.33, 19.75
PROGRESSIVE PROGETTO	−4.43, −1.46, 0.71, 2.20, 3.64, 4.43
PARZIALI PROGETTO	2.97, 1.35, 0.71, 1.49, 1.44, 0.80
QUOTE PROGETTO	21.18, 21.24, 21.27, 21.25, 21.22, 21.18, 21.17
QUOTE SOTTOFONDO	16.83, 20.66, 20.69, 20.72, 20.70, 20.67, 20.63, 20.62, 20.61, 20.58, 17.01, 17.01

Materiali – Progr.0+060.00	
Materiale	**Area (m^2)**
Base	1.25
Binder	0.50
Fondazione	2.17
Rilevato	29.12
Scavo	0.00
Scotico	0.00
Terreno vegetale	1.63
Usura	0.25

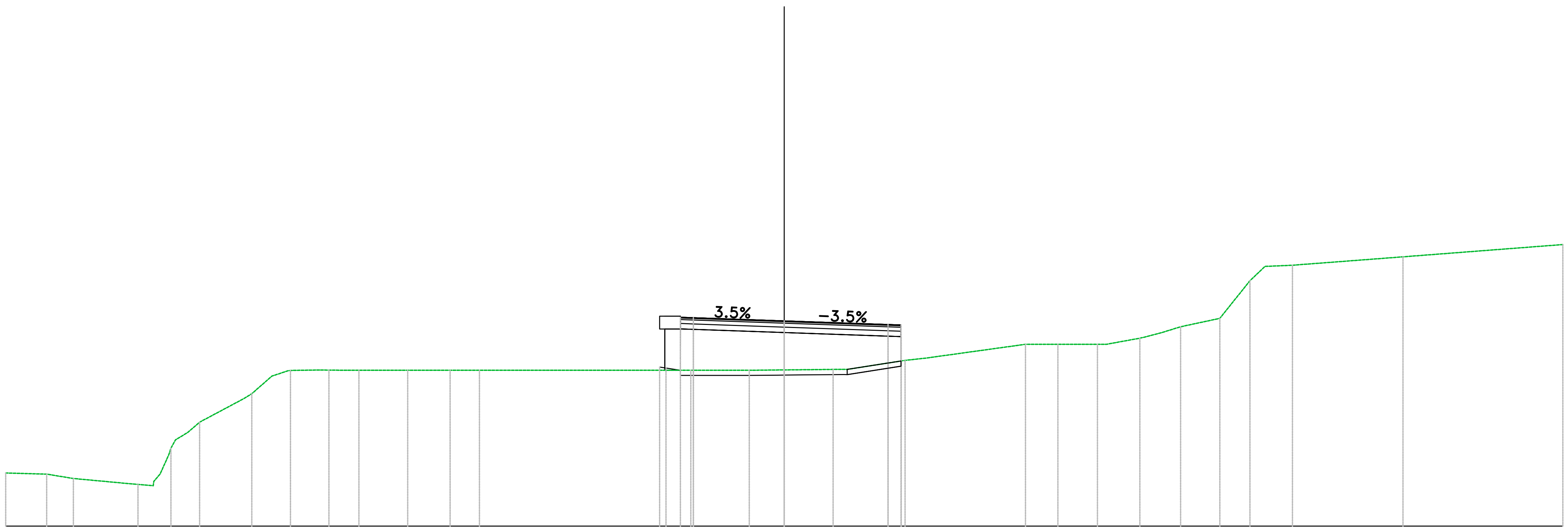
VIA MARTE
Sez. MART_04
Progr.: 0+060.00
Scala : 1:200
Q.Rif. : 5.00



PROGRESSIVE TERRENO	-30.00, -28.33, -27.05, -26.05, -24.78, -23.67, -22.95, -21.09, -20.45, -14.83, -8.98, -7.47, -5.06, 0.00, 6.64, 13.26, 14.67, 17.66, 19.07, 20.75, 21.75, 23.55, 24.86, 30.00
PARZIALI TERRENO	1.67, 1.28, 0.66, 0.89, 1.11, 0.58, 1.45, 0.64, 5.62, 5.84, 1.52, 2.41, 5.06, 6.64, 6.62, 1.41, 2.99, 1.40, 1.68, 1.00, 1.80, 1.31, 5.14
QUOTE TERRENO	12.23, 12.25, 12.74, 13.19, 14.00, 14.64, 15.08, 16.07, 16.44, 16.41, 16.44, 16.45, 16.52, 16.63, 16.77, 16.90, 16.92, 16.95, 16.92, 16.86, 16.92, 17.00, 17.00, 17.17
PROGRESSIVE PROGETTO	-5.00, -4.88, -4.20, -3.70, 0.00, 3.66, 4.16, 5.46, 9.62, 9.61
PARZIALI PROGETTO	0.00, 0.80, 0.50, 3.70, 3.66, 0.49, 1.30, 0.24, 3.91
QUOTE PROGETTO	16.52, 19.54, 19.60, 19.61, 19.70, 19.61, 19.60, 19.60, 16.83
QUOTE SOTTOFONDO	19.54, 19.55, 19.16, 19.25, 19.16, 19.15, 19.11, 16.82, 16.83

Materiali – Progr.0+080.00	
Materiale	Area (m^2)
Base	1.27
Binder	0.51
Fondazione	1.78
Rilevato	11.81
Scavo	0.00
Scotico	0.42
Terreno vegetale	0.00
Usura	0.25

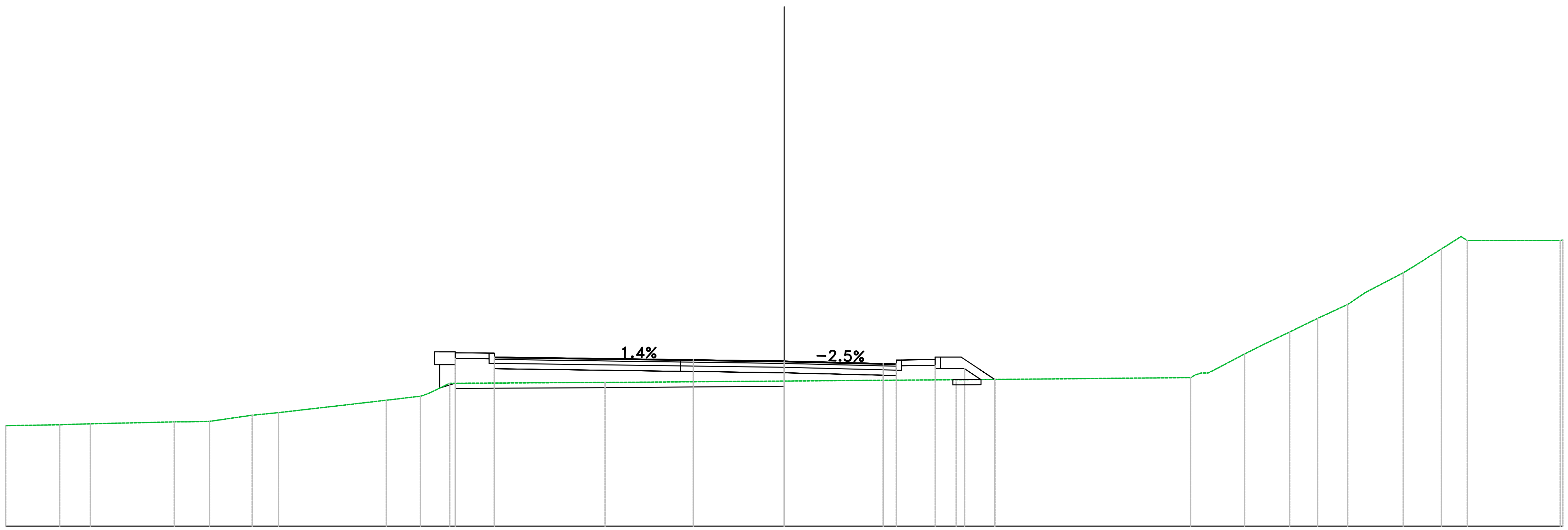
VIA MARTE
Sez. MART_05
Progr.: 0+080.00
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-30.00, -28.42, -27.39, -24.90, -24.05, -23.45, -22.53, -20.51, -19.74, -19.03, -17.54, -16.91, -16.39, -14.51, -12.56, -11.75, -3.60, -1.35, 0.00, 1.88, 2.42, 4.65, 5.46, 9.30, 10.20, 12.07, 13.70, 14.60, 15.27, 16.78, 17.95, 18.52, 19.58, 23.84, 30.00
PARZIALI TERRENO	1.58, 1.03, 2.06, 0.59, 0.34, 0.48, 0.45, 1.70, 0.77, 0.63, 1.00, 0.63, 0.53, 1.88, 1.63, 0.82, 8.15, 2.25, 1.35, 1.88, 2.23, 0.81, 3.83, 0.90, 1.53, 1.29, 0.77, 0.68, 1.51, 1.16, 0.58, 1.06, 4.25, 6.16
QUOTE TERRENO	12.04, 12.00, 11.83, 11.60, 12.00, 13.32, 14.00, 15.10, 15.78, 15.99, 16.01, 16.00, 16.00, 16.00, 16.00, 16.00, 16.00, 16.00, 16.01, 16.03, 16.03, 16.38, 16.47, 17.00, 17.00, 17.00, 17.24, 17.47, 17.68, 18.00, 19.45, 20.00, 20.05, 20.37, 20.84
PROGRESSIVE PROGETTO	-4.80, -4.80, -4.00, -3.50, 4.00, 4.50, 4.50
PARZIALI PROGETTO	0.00, 0.80, 0.50, 3.50, 4.00, 0.50
QUOTE PROGETTO	16.05, 18.03, 18.04, 18.02, 17.90, 17.76, 17.74
QUOTE SOTTOFONDO	17.59, 17.57, 17.45, 17.31, 17.30

Materiali - Progr.0+100.00	
Materiale	**Area (m^2)**
Base	2.32
Binder	0.93
Fondazione	3.25
Rilevato	8.76
Scavo	0.00
Scotico	0.22
Terreno vegetale	0.83
Usura	0.46

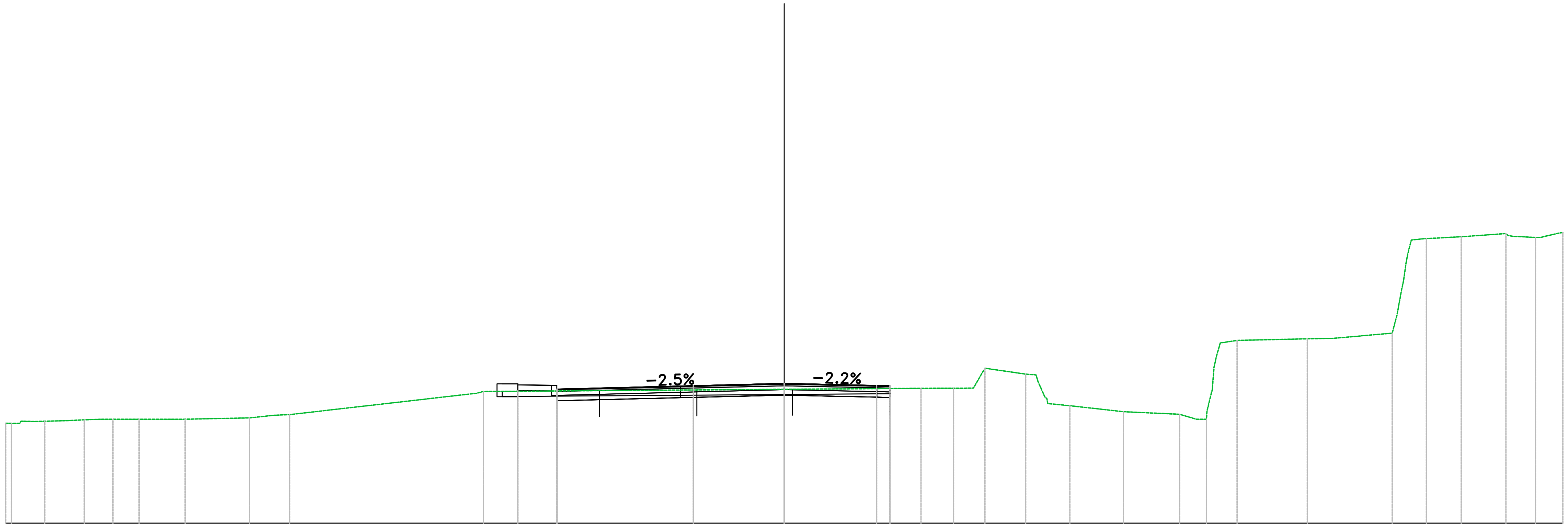
VIA MARTE
Sez. MART_06
Progr.: 0+100.00
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-30.00, -27.91, -26.74, -24.04, -23.06, -22.14, -20.50, -19.49, -15.33, -13.72, -12.89, -6.90, 0.00, 6.62, 7.60, 15.66, 16.33, 17.74, 18.48, 19.48, 20.55, 21.71, 22.40, 23.85, 25.32, 25.84, 27.31, 30.00
PARZIALI TERRENO	2.09, 1.18, 2.70, 0.53, 0.91, 1.64, 1.02, 4.15, 1.29, 0.83, 5.98, 6.90, 6.62, 0.86, 8.06, 1.20, 0.74, 1.00, 1.08, 1.16, 0.69, 1.45, 1.06, 0.99, 2.59
QUOTE TERRENO	13.87, 13.90, 13.94, 14.00, 14.02, 14.03, 14.27, 14.37, 14.85, 15.10, 15.50, 15.53, 15.59, 15.64, 15.64, 15.72, 15.89, 16.63, 17.00, 17.48, 18.00, 18.54, 19.00, 19.75, 20.67, 21.00, 21.00, 21.02
PROGRESSIVE PROGETTO	-13.28, -12.67, -11.17, -4.00, -3.50, 3.82, 4.32, 5.82, 6.82, 7.49, 8.12
PARZIALI PROGETTO	0.00, 0.80, 1.30, 7.17, 0.50, 3.50, 3.82, 0.50, 1.30, 0.80, 0.68, 0.62
QUOTE PROGETTO	15.71, 16.67, 16.51, 16.41, 16.40, 16.35, 16.26, 16.25, 16.41, 16.51, 16.06, 15.65
QUOTE SOTTOFONDO	15.50, 16.06, 15.96, 15.95, 15.90, 15.81, 15.80, 16.19, 16.06, 15.64, 15.65

Materiali – Progr.0+120.00	
Materiale	**Area (m^2)**
Base	1.93
Binder	0.77
Fondazione	2.70
Rilevato	0.02
Scavo	3.83
Scotico	0.00
Terreno vegetale	0.00
Usura	0.39

VIA MARTE
Sez. MART_07
Progr.: 0+120.00
Scala : 1:200
Q.Rif. : 10.00

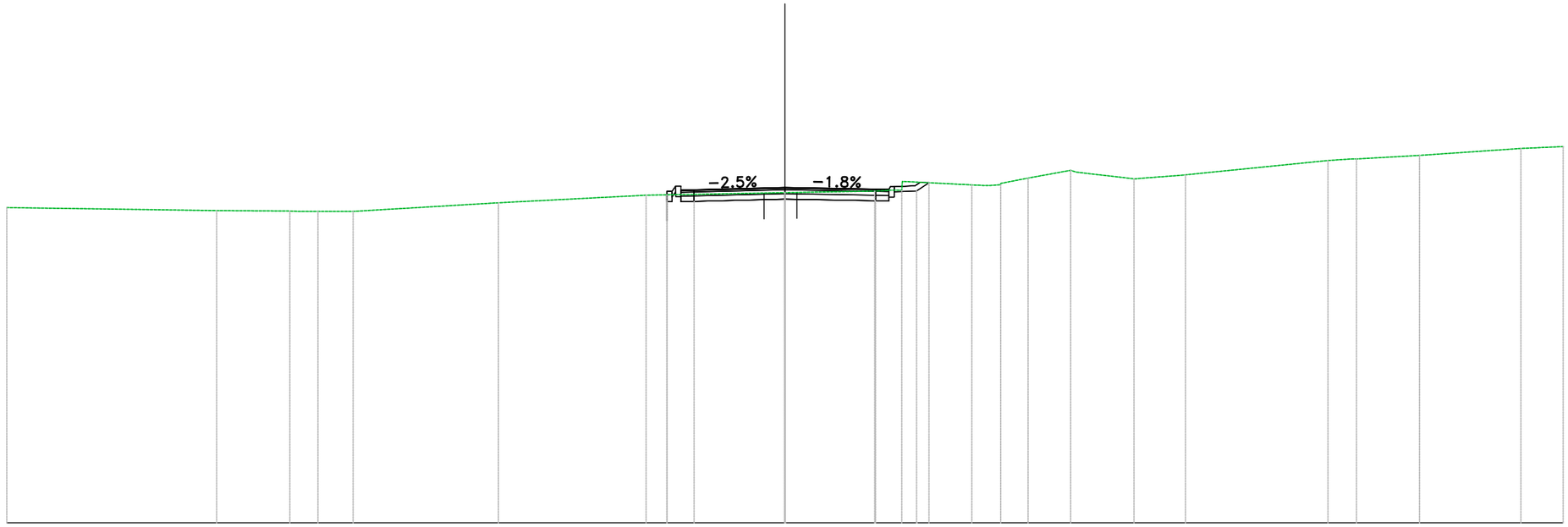


PROGRESSIVE TERRENO	-30.00 -29.41 -28.49 -27.66 -26.97 -25.87 -24.86 -23.08 -20.60 -19.66 -19.06 -12.47 -11.59 0.00 5.27 6.52 7.05 7.73 9.30 9.98 11.01 13.07 15.23 15.88 16.46 17.23 20.16 21.15 23.43 23.96 24.75 25.56 26.09 27.81 28.95 30.85
PARZIALI TERRENO	0.55 0.83 0.69 0.63 1.01 1.78 2.49 0.94 0.60 6.58 0.63 11.59 5.27 1.25 0.40 1.57 0.85 2.06 2.17 0.59 0.07 2.71 1.00 2.27 [illegible] 0.52 1.72 0.86 0.71
QUOTE TERRENO	13.84 13.92 13.92 13.94 13.98 14.00 14.00 14.00 14.05 14.15 14.18 14.93 15.07 15.15 15.19 15.19 15.19 15.96 15.74 15.00 14.52 14.29 14.19 14.00 15.00 17.00 17.10 17.11 17.31 20.00 20.96 21.00 21.03 21.15 21.00 21.19
PROGRESSIVE PROGETTO	-10.87 -10.26 -8.75 -4.00 -3.50 3.56 4.06
PARZIALI PROGETTO	0.60 1.30 4.75 0.50 3.49 3.56 0.50
QUOTE PROGETTO	15.36 15.32 15.16 15.28 15.29 15.38 15.30 15.29
QUOTE SOTTOFONDO	14.80 14.71 14.83 14.84 14.93 14.85 14.84

VIA TERZIERI

Materiali – Progr.0+020.00	
Materiale	**Area (m^2)**
Base	1.20
Binder	0.48
Fondazione	1.68
Gradoni	0.00
Rilevato	0.00
Scavo	2.78
Scotico	0.00
Terreno vegetale	0.25
Usura	0.24

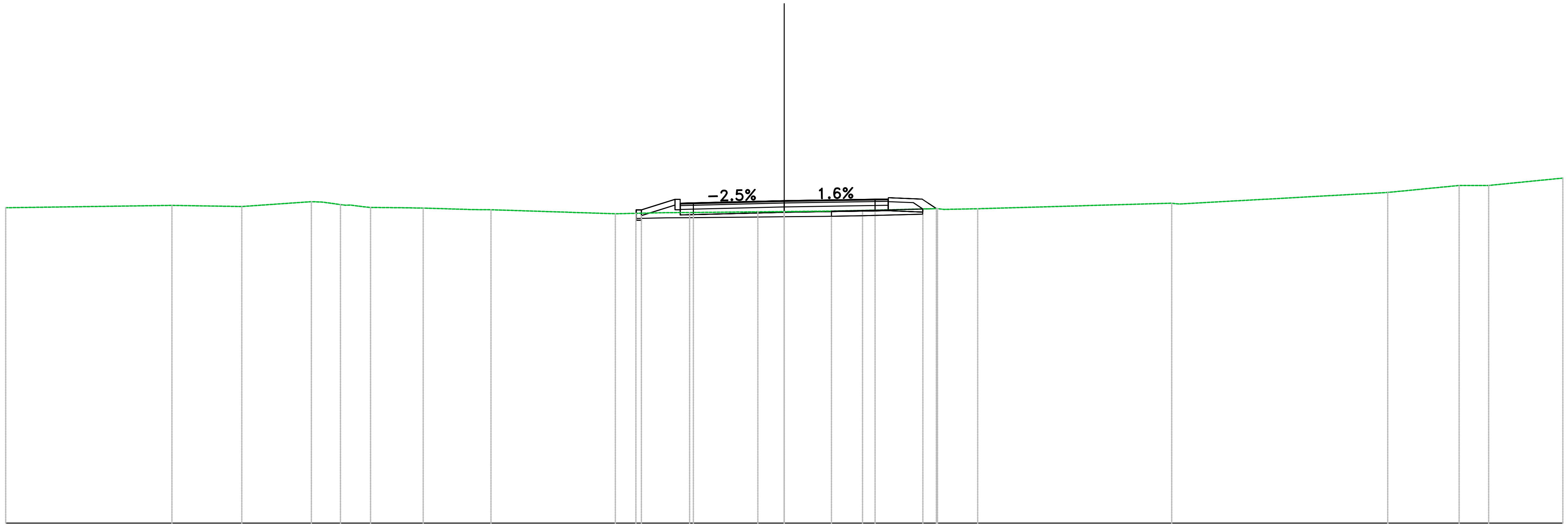
VIA TERZIERI
Sez. TERZ_01
Progr.: 0+020.00
Scala : 1:200
Q.Rif. : 5.00



PROGRESSIVE TERRENO	-30.00	-21.91	-18.77	-18.00	-16.65	-11.05	-5.35	0.00	3.46	3.98	4.50	7.21	7.71	8.32	9.37	11.01	13.46	15.44	20.93	21.51	22.03	24.46	28.37	30.00
PARZIALI TERRENO		8.09	2.82	0.77	1.35	5.60	5.70	5.35	3.46	0.52	2.68			1.05	1.64	2.21	1.88	5.45	0.58		2.43	3.91	1.63	
QUOTE TERRENO	17.15	17.03	17.00	17.00	17.00	17.33	17.62	17.72	17.78	17.82	17.82	18.02	18.00	18.03	18.28	18.58	18.26	18.41	18.96	19.00	19.02	19.16	19.43	19.50
PROGRESSIVE PROGETTO							4.55	4.00	3.50			3.49	4.00	5.21										
PARZIALI PROGETTO							0.50	3.49	3.49			0.50	0.80											
QUOTE PROGETTO							17.78	17.92	17.92			17.86	17.85	18.02										
QUOTE SOTTOFONDO							17.64	17.47	17.47			17.41	17.40	18.10										

Materiali – Progr.0+040.00	
Materiale	**Area (m^2)**
Base	1.20
Binder	0.48
Fondazione	2.11
Gradoni	0.00
Rilevato	0.16
Scavo	0.51
Scotico	0.70
Terreno vegetale	0.34
Usura	0.24

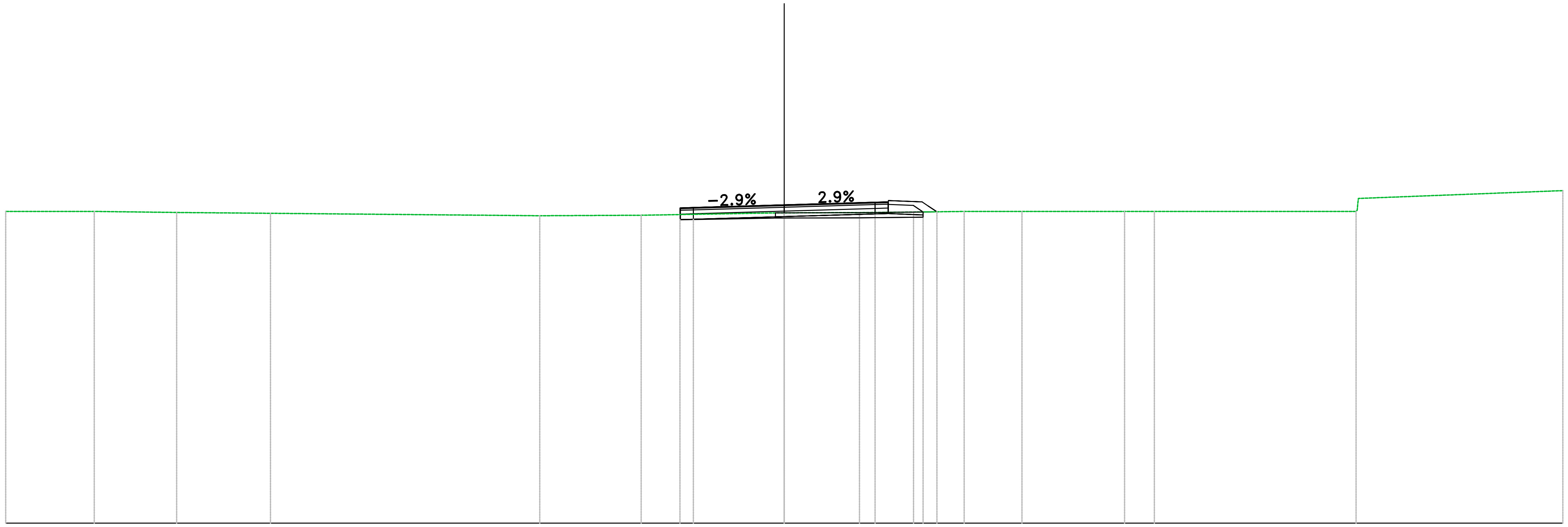
VIA TERZIERI
Sez. TERZ_02
Progr.: 0+040.00
Scala : 1:200
Q.Rif. : 5.00



PROGRESSIVE TERRENO	-30.00, -23.59, -20.90, -18.22, -17.65, -17.10, -16.52, -15.94, -14.46, -13.91, -11.99, -11.30, -6.51, -4.54, -3.65, -1.02, 0.00, 1.82, 3.02, 5.91, 7.45, 14.93, 23.25, 26.01, 27.14, 30.00
PARZIALI TERRENO	6.41, 2.69, 2.68, 1.48, 1.93, 4.79, 1.97, 0.89, 2.63, 1.02, 1.82, 1.20, 2.89, 1.30, 7.48, 8.04, 2.75, 1.14, 2.86
QUOTE TERRENO	17.14, 17.23, 17.19, 17.38, 17.34, 17.26, 17.22, 17.15, 17.14, 17.13, 17.07, 17.07, 16.91, 16.95, 16.96, 16.98, 16.99, 17.01, 17.04, 17.11, 17.10, 17.32, 17.73, 18.00, 18.00, 18.28
PROGRESSIVE PROGETTO	-5.71, -5.50, -4.00, -3.50, 3.50, 4.00, 5.31, 5.86
PARZIALI PROGETTO	1.29, 0.50, 3.50, 3.50, 0.50, 1.30, 0.34, 0.54
QUOTE PROGETTO	17.06, 17.08, 17.32, 17.33, 17.42, 17.47, 17.48, 17.48, 17.11
QUOTE SOTTOFONDO	16.83, 16.84, 16.87, 16.88, 16.97, 17.02, 17.03, 16.97, 17.11

Materiali – Progr.0+060.00	
Materiale	**Area (m²)**
Base	1.20
Binder	0.48
Fondazione	2.11
Gradoni	0.00
Rilevato	0.00
Scavo	1.16
Scotico	1.14
Terreno vegetale	0.34
Usura	0.24

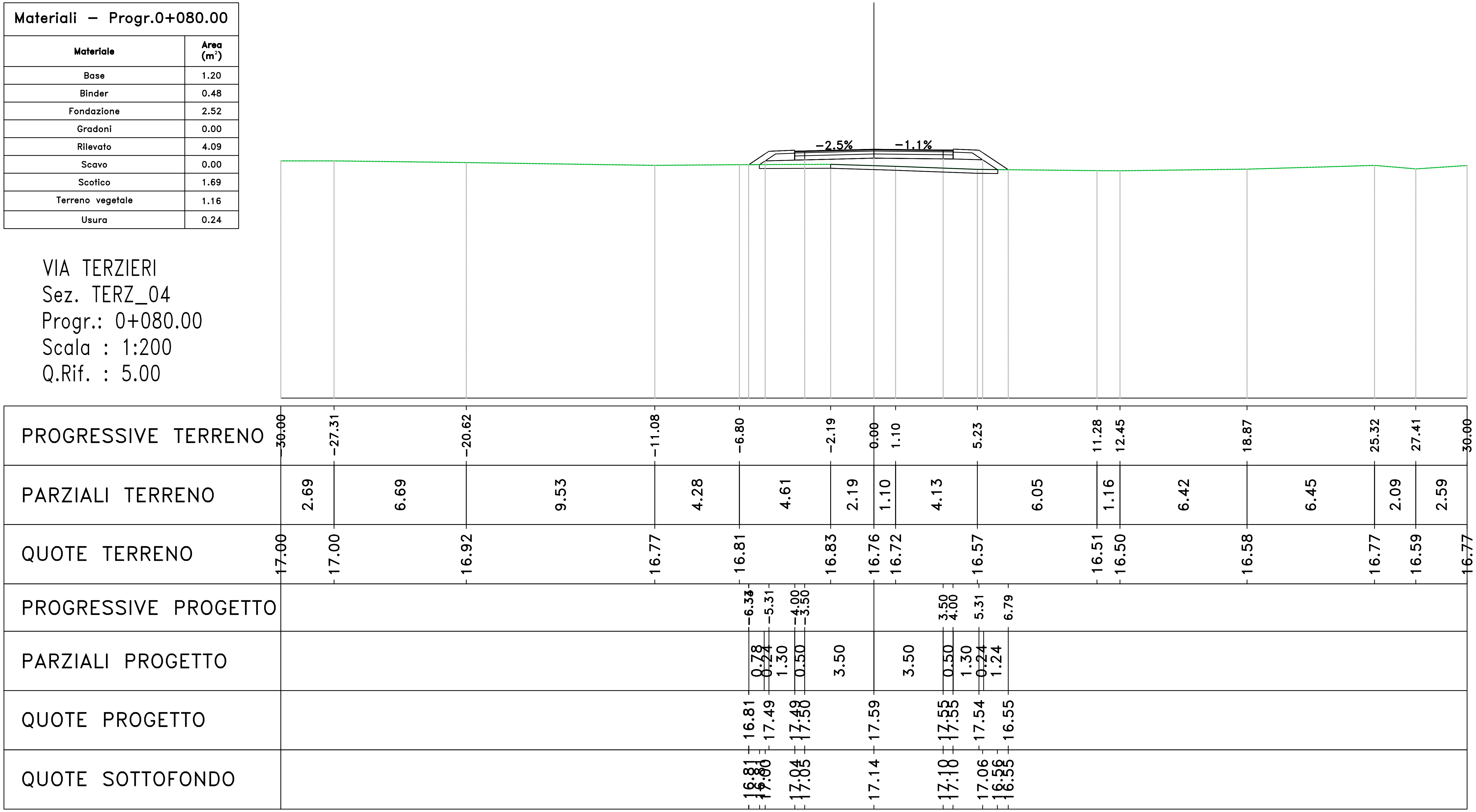
VIA TERZIERI
Sez. TERZ_03
Progr.: 0+060.00
Scala : 1:200
Q.Rif. : 5.00



PROGRESSIVE TERRENO	-30.00, -26.59, -23.41, -19.80, -9.42, -5.51, 0.00, 2.90, 4.98, 6.93, 9.16, 13.12, 14.26, 22.03, 30.00
PARZIALI TERRENO	3.41, 3.18, 3.61, 10.38, 3.91, 5.09, 2.90, 2.08, 1.95, 1.88, 3.95, 1.15, 7.77, 7.88
QUOTE TERRENO	17.00, 17.00, 16.96, 16.93, 16.83, 16.85, 16.94, 16.95, 16.98, 17.00, 17.00, 17.00, 17.00, 17.00, 17.80
PROGRESSIVE PROGETTO	-4.00, -3.50, 3.50, 4.00, 5.31, 5.88
PARZIALI PROGETTO	0.50, 3.50, 3.50, 0.50, 1.30, 0.24, 0.33
QUOTE PROGETTO	17.14, 17.15, 17.25, 17.35, 17.37, 17.37, 16.99
QUOTE SOTTOFONDO	16.69, 16.70, 16.80, 16.90, 16.92, 16.87, 16.99

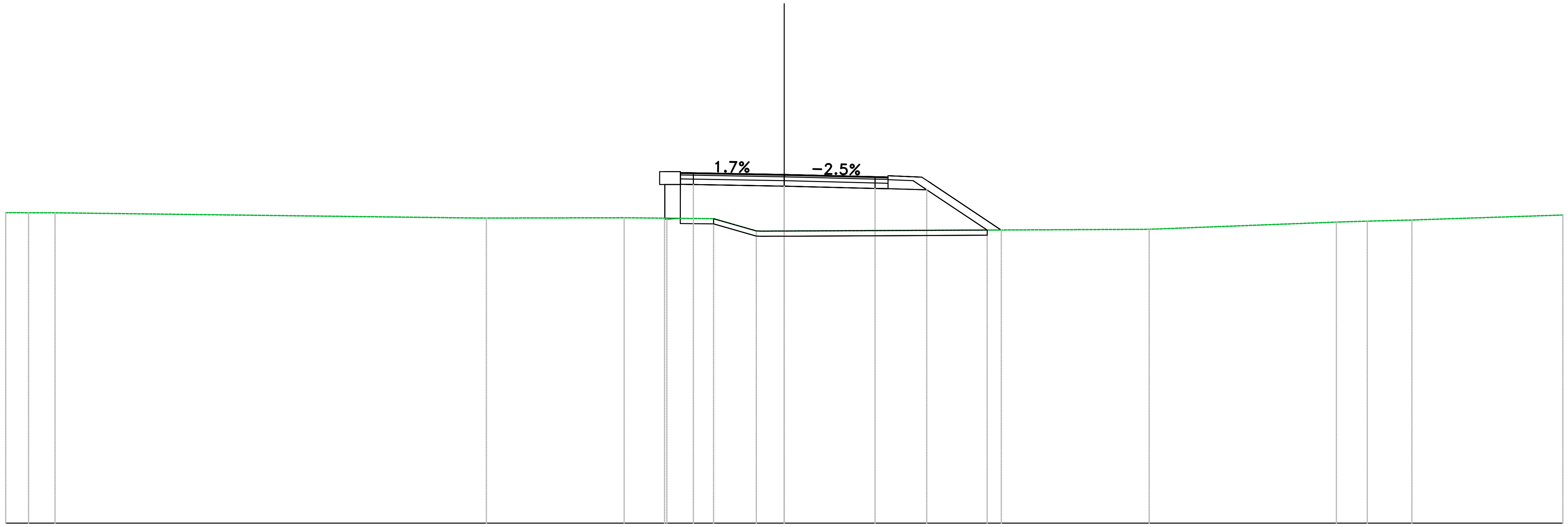
Materiali – Progr.0+080.00	
Materiale	**Area (m^2)**
Base	1.20
Binder	0.48
Fondazione	2.52
Gradoni	0.00
Rilevato	4.09
Scavo	0.00
Scotico	1.69
Terreno vegetale	1.16
Usura	0.24

VIA TERZIERI
Sez. TERZ_04
Progr.: 0+080.00
Scala : 1:200
Q.Rif. : 5.00



Materiali – Progr.0+100.00	
Materiale	**Area (m^2)**
Base	1.20
Binder	0.48
Fondazione	2.10
Gradoni	0.00
Rilevato	16.90
Scavo	0.01
Scotico	2.11
Terreno vegetale	1.23
Usura	0.24

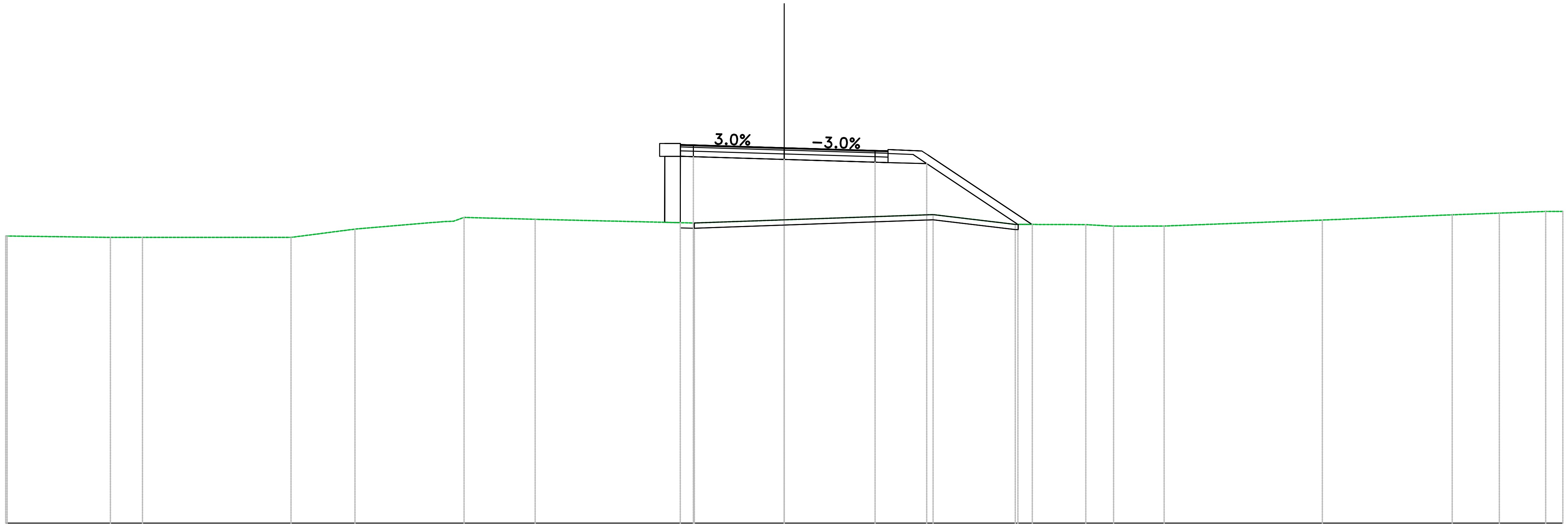
VIA TERZIERI
Sez. TERZ_05
Progr.: 0+100.00
Scala : 1:200
Q.Rif. : 5.00



PROGRESSIVE TERRENO	-30.00, -29.12, -28.10, -11.48, -6.17, -2.72, -0.87, 0.00, 14.06, 21.28, 22.47, 24.19, 30.00
PARZIALI TERRENO	0.88, 1.02, 16.18, 5.31, 3.45, 1.58, 0.87, 14.06, 7.21, 1.19, 1.72, 5.81
QUOTE TERRENO	16.95, 16.95, 16.95, 16.75, 16.76, 16.72, 16.24, 16.25, 16.31, 16.59, 16.62, 16.67, 16.86
PROGRESSIVE PROGETTO	-4.80, -4.80, -4.00, -3.50, 0.00, 3.50, 4.00, 5.30, 8.37, 8.36
PARZIALI PROGETTO	0.00, 0.80, 0.50, 3.50, 3.50, 0.50, 1.30, 0.24, 2.81
QUOTE PROGETTO	16.73, 18.53, 18.49, 18.48, 18.42, 18.34, 18.32, 18.32, 16.28, 16.29
QUOTE SOTTOFONDO	16.70, 16.72, 18.04, 18.03, 17.97, 17.89, 17.87, 17.84, 16.28, 16.28

Materiali – Progr.0+120.00	
Materiale	**Area (m^2)**
Base	1.20
Binder	0.48
Fondazione	2.10
Gradoni	0.00
Rilevato	25.05
Scavo	0.00
Scotico	2.50
Terreno vegetale	1.66
Usura	0.24

VIA TERZIERI
Sez. TERZ_06
Progr.: 0+120.00
Scala : 1:200
Q.Rif. : 5.00



PROGRESSIVE TERRENO: -30.00, -25.96, -24.73, -19.74, -19.00, -16.54, -13.13, -12.34, -9.60, -3.46, 0.00, 5.73, 8.90, 11.62, 12.69, 14.64, 20.73, 25.74, 27.55, 29.34, 30.00

PARZIALI TERRENO: 3.98, 1.11, 4.99, 0.73, 2.47, 3.41, 2.74, 6.14, 3.46, 5.73, 3.17, 2.72, 1.07, 1.95, 6.09, 5.00, 1.82, 1.79

QUOTE TERRENO: 16.05, 16.00, 16.00, 16.00, 16.00, 16.32, 16.61, 16.77, 16.70, 16.55, 16.68, 16.88, 16.50, 16.49, 16.43, 16.44, 16.67, 16.87, 16.94, 17.00, 17.00

PROGRESSIVE PROGETTO: -4.60, -4.00, -3.50, 3.50, 4.00, 5.30, 9.56

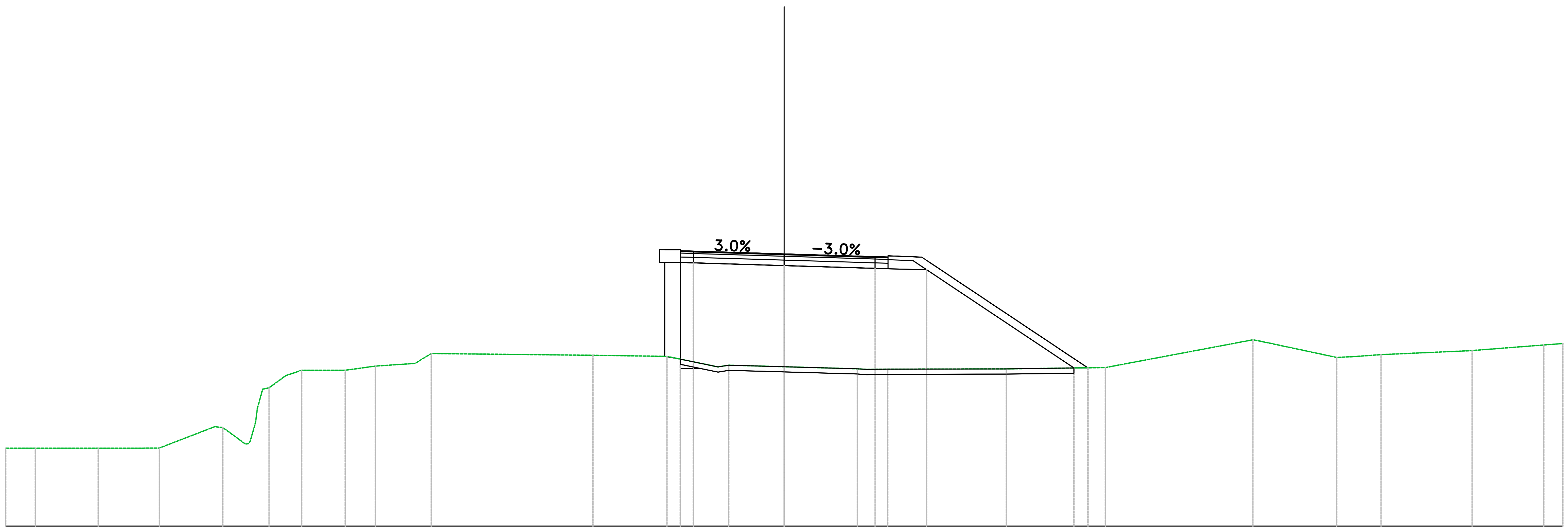
PARZIALI PROGETTO: 0.00, 0.80, 0.50, 3.50, 3.50, 0.50, 1.30, 0.24, 4.01

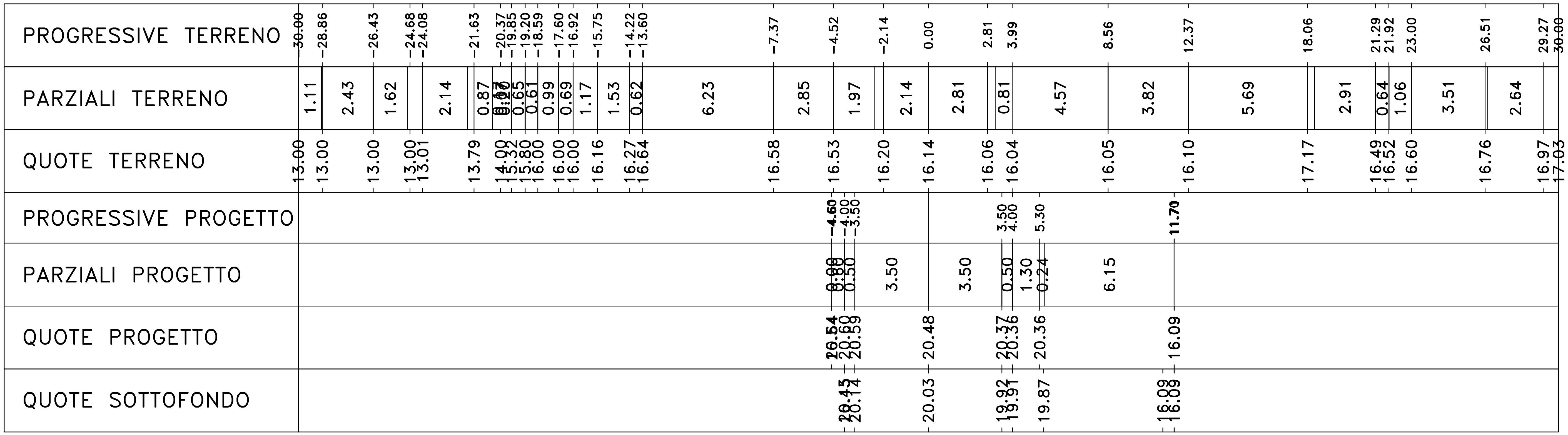
QUOTE PROGETTO: 19.58/19.53, 19.57, 19.56, 19.45, 19.35, 19.33, 19.33, 16.50

QUOTE SOTTOFONDO: 18.57/19.57, 19.11, 19.00, 18.90, 18.88, 18.84, 16.50, 16.50

Materiali – Progr.0+140.00	
Materiale	**Area (m²)**
Base	1.20
Binder	0.48
Fondazione	2.10
Gradoni	0.06
Rilevato	47.75
Scavo	0.00
Scotico	3.03
Terreno vegetale	2.44
Usura	0.24

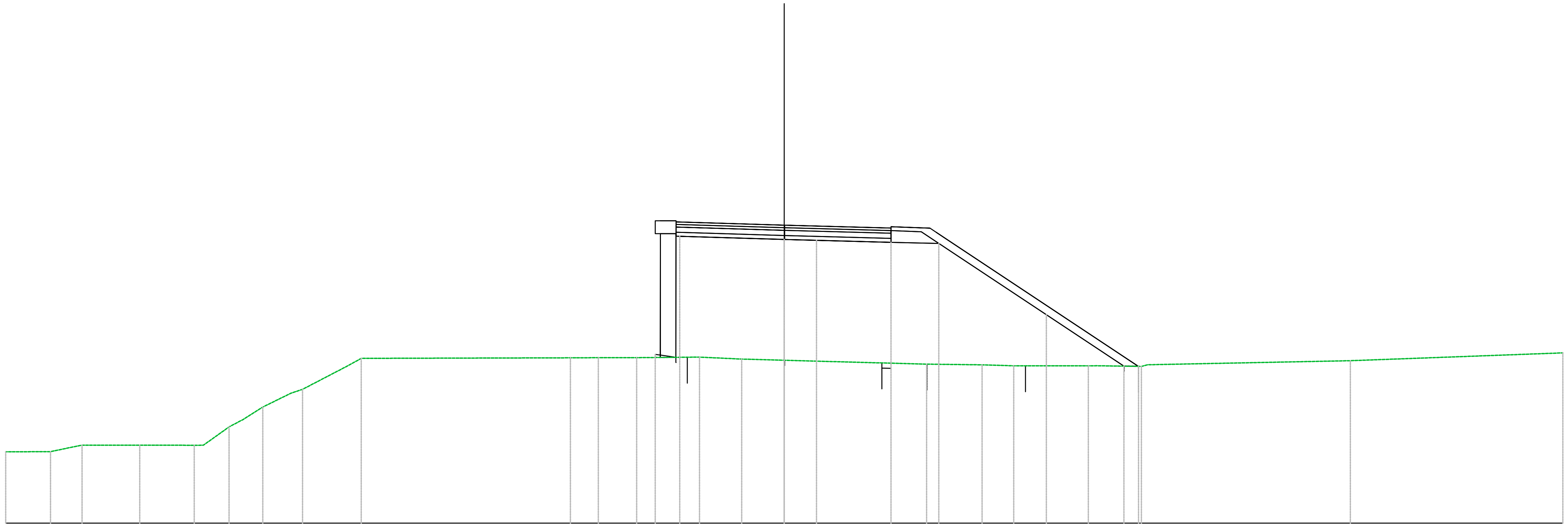
VIA TERZIERI
Sez. TERZ_07
Progr.: 0+140.00
Scala : 1:200
Q.Rif. : 10.00





Materiali – Progr.0+160.00	
Materiale	**Area (m²)**
Base	1.66
Binder	0.83
Fondazione	1.90
Gradoni	0.00
Rilevato	63.84
Scavo	0.00
Scotico	0.00
Terreno vegetale	3.05
Usura	0.83

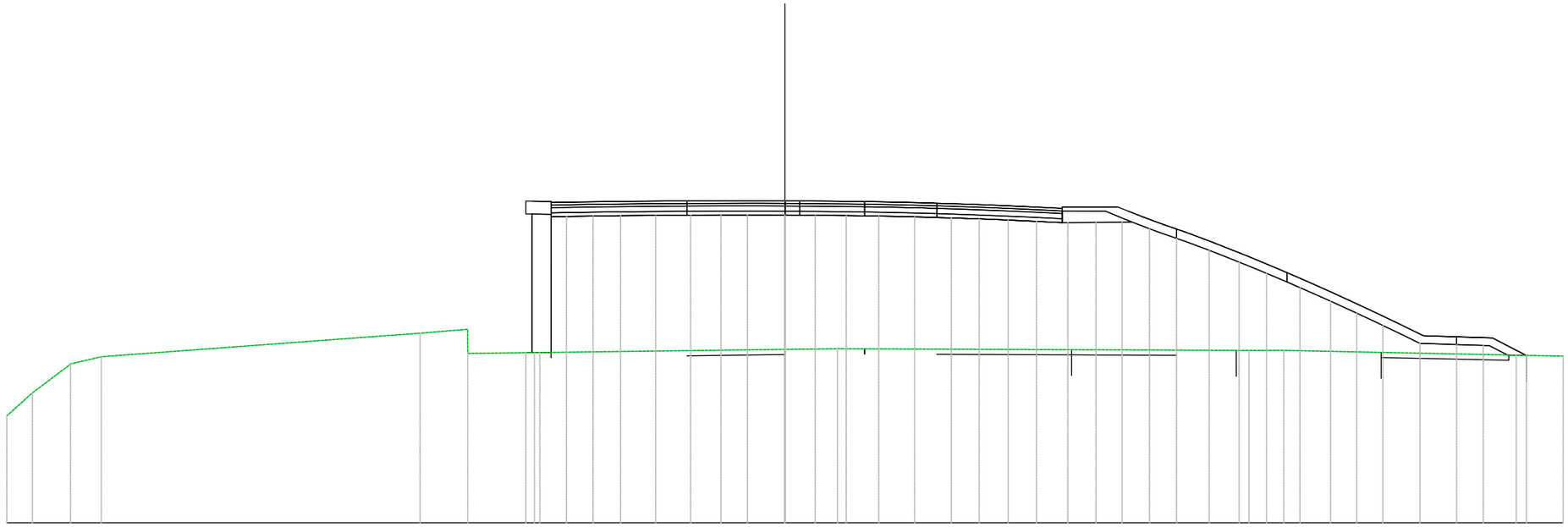
VIA TERZIERI
Sez. TERZ_08
Progr.: 0+160.00
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-30.00, -28.27, -27.05, -24.83, -23.33, -22.38, -21.39, -20.83, -20.09, -18.56, -16.92, -16.30, -8.24, -7.17, -5.68, -3.27, -1.64, 0.00, 5.49, 7.62, 8.84, 11.72, 13.76, 21.81, 30.00
PARZIALI TERRENO	1.72, 1.05, 2.22, 1.51, 0.60, 0.99, 0.56, 0.74, 1.08, 1.64, 8.06, 1.07, 1.48, 2.42, 1.63, 1.64, 5.49, 2.14, 1.22, 2.88, 1.70, 7.80, 8.19
QUOTE TERRENO	12.75, 12.75, 13.00, 13.00, 13.00, 13.00, 13.70, 14.00, 14.47, 15.15, 16.00, 16.34, 16.36, 16.37, 16.37, 16.39, 16.31, 16.27, 16.12, 16.09, 16.06, 16.06, 16.03, 16.25, 16.55
PROGRESSIVE PROGETTO	-4.17, -4.03, 0.00, 1.24, 4.12
PARZIALI PROGETTO	4.03, 1.23, 2.87
QUOTE PROGETTO	21.60, 21.59, 21.47, 21.44, 21.36
QUOTE SOTTOFONDO	16.59, [illegible], 21.04, 20.92, 20.89, 20.81, 20.80, 20.77, 20.59, 18.02, 16.04, 16.04

Materiali – Progr.0+181.29	
Materiale	**Area (m^2)**
Base	3.94
Binder	1.97
Fondazione	3.91
Gradoni	0.00
Rilevato	146.21
Scavo	0.00
Scotico	0.00
Terreno vegetale	5.75
Usura	1.97

VIA TERZIERI
Sez. TERZ_09
Progr.: 0+181.29
Scala : 1:200
Q.Rif. : 10.00

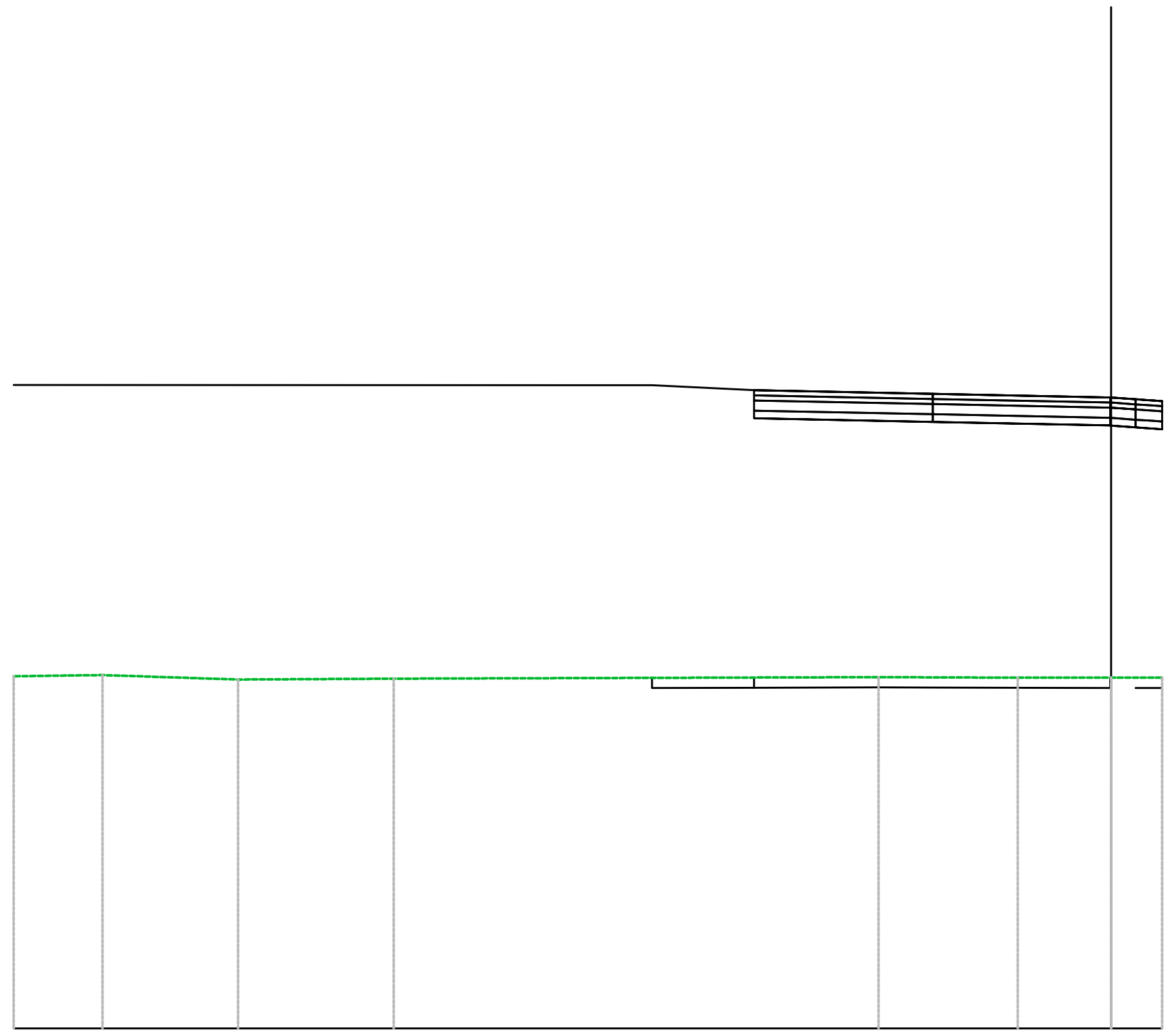


PROGRESSIVE TERRENO	-30.00	-29.01	-27.54	-26.35	-14.07	-12.23	-9.66	0.00	2.03	17.89	19.23	30.00
PARZIALI TERRENO		0.92	1.32	1.18	12.28	1.84	0.00	2.57	9.66	2.03	15.86	1.26	10.77
QUOTE TERRENO	14.11	15.00	16.12	16.40	17.31	16.52	16.56	16.68	16.71	16.64	16.64	16.42

PROGRESSIVE PROGETTO	-9.01	-8.38	-7.40	-6.33	-5.37	-4.57	-3.78	-2.96	-2.19	-0.87	0.00	0.89	1.77	2.96	4.29	5.32	6.42	7.49	8.31	9.44	10.22	10.82
PARZIALI PROGETTO	0.48	0.61	0.48	0.40	0.54	0.41	0.36	0.67	0.49	0.72	0.57	0.67	0.57	0.39	0.39	0.67	0.47	0.56	0.40	0.42	0.38	0.50
QUOTE PROGETTO	22.34	22.35	22.37	22.38	22.39	22.40	22.41	22.41	22.41	22.41	22.41	22.40	22.39	22.38	22.36	22.33	22.30	22.26	22.23	22.18	22.14	22.17
QUOTE SOTTOFONDO	16.55	16.56	21.80	21.82	21.83	21.84	21.85	21.86	21.86	21.86	21.86	21.86	21.85	21.84	21.83	21.81	21.78	21.75	21.71	21.68	21.63	21.59	21.57	21.58	21.59	21.15	20.85	20.50	20.05	19.61	19.28	18.92	18.54	18.13	17.72	17.33	16.91	16.87	16.83	16.46	16.45

ROTATORIA CARAMAGNA

Materiali – Progr.0+000.00	
Materiale	**Area (m^2)**
Base	0.80
Fondazione	1.20
Gradoni	0.00
Rilevato	123.69
Scavo	0.00
Scotico	0.00
Sottobase	1.60
Terreno vegetale	0.00
Usura+Binder	0.80

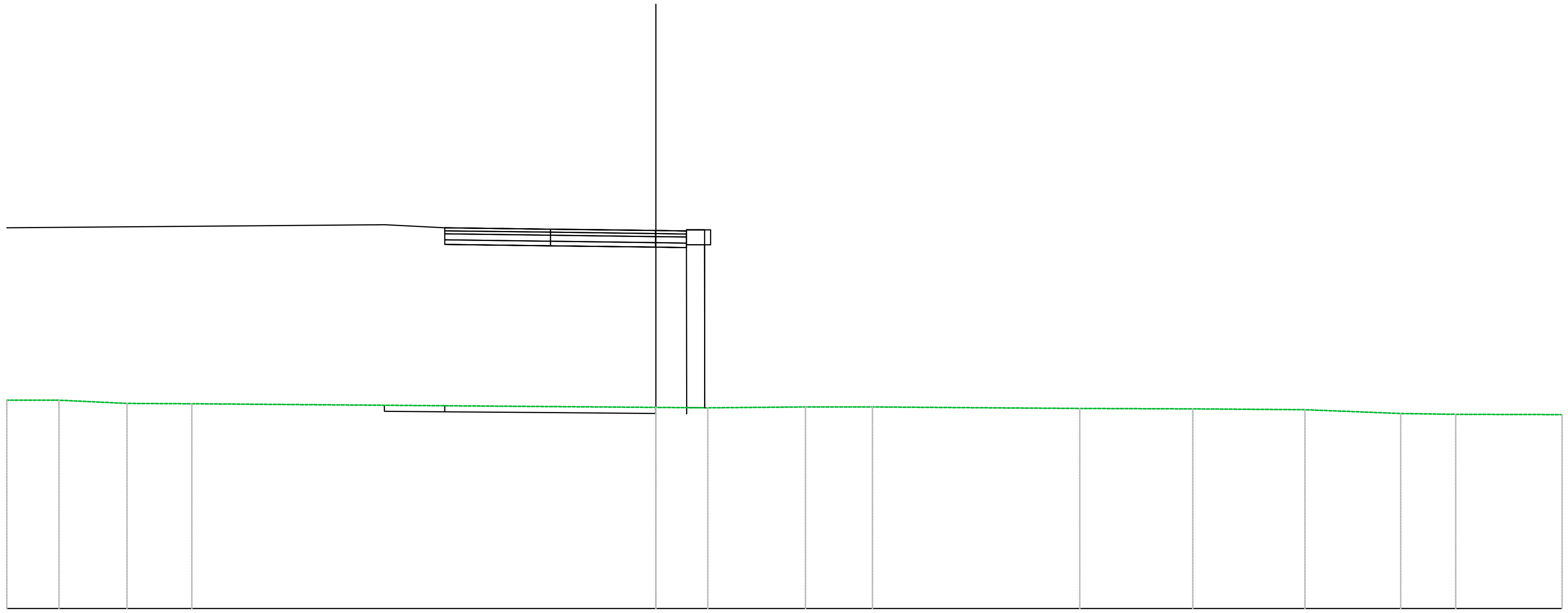


ROT03
Sez. R03_01
Progr.: 0+000.00
Scala : 1:200
Q.Rif. : 10.00

PROGRESSIVE TERRENO	-21.49, -19.75, -17.10, -14.05, -4.56, -1.83, 0.00, 1.00
PARZIALI TERRENO	1.74, 2.65, 3.05, 9.49, 2.73, 1.83, 1.00
QUOTE TERRENO	16.90, 16.92, 16.83, 16.85, 16.88, 16.87, 16.87, 16.87
PROGRESSIVE PROGETTO	-21.49, -10.74, -9.61, -8.64, -6.40, -3.49, -0.82, 0.00, 0.83, 1.00
PARZIALI PROGETTO	10.75, 1.02, 0.42, 0.35, 1.65, 0.59, 2.91, 2.67, 0.80
QUOTE PROGETTO	22.60, 22.60, 22.60, 22.58, 22.49, 22.43, 22.37, 22.36, 22.30, 22.29
QUOTE SOTTOFONDO	22.60, 22.60, 22.60, 22.45, 22.39, 21.88, 21.82, 21.81, 21.75, 21.74

Materiali – Progr.0+016.88	
Materiale	Area (m^2)
Base	0.80
Fondazione	1.20
Gradoni	0.00
Rilevato	128.63
Scavo	0.00
Scotico	0.00
Sottobase	1.60
Terreno vegetale	0.00
Usura+Binder	0.80

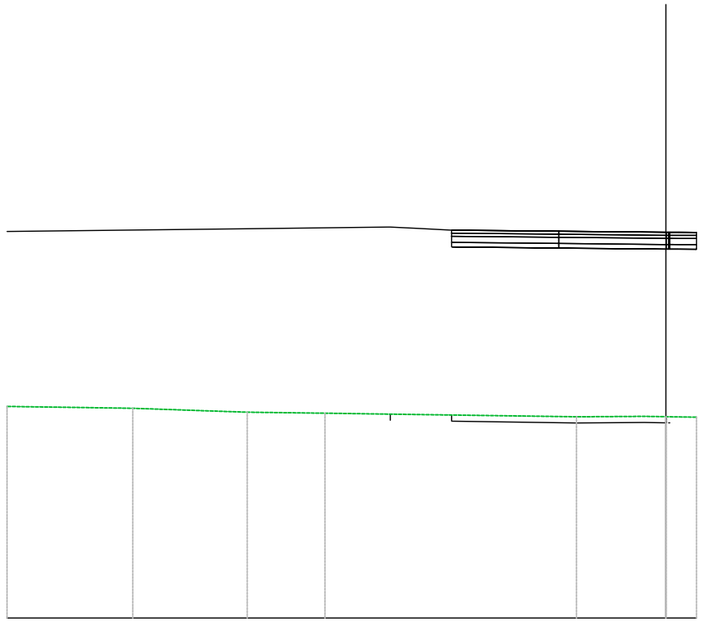
ROT03
Sez. R03_02
Progr.: 0+016.88
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-21.49, -19.76, -17.51, -15.36, 0.00, 1.72, 4.95, 7.17, 14.03, 17.78, 21.49, 24.66, 26.48, 30.00
PARZIALI TERRENO	1.73, 2.25, 2.15, 15.36, 1.72, 3.24, 2.21, 6.86, 3.75, 3.71, 3.17, 1.82, 3.52
QUOTE TERRENO	16.90, 16.89, 16.79, 16.78, 16.66, 16.64, 16.67, 16.67, 16.62, 16.61, 16.58, 16.45, 16.43, 16.42
PROGRESSIVE PROGETTO	-21.49, -11.02, -8.98, -6.97, -3.49, -2.60, 0.00, 1.01, 1.62
PARZIALI PROGETTO	10.47, 1.44, 1.99, 3.48, 0.89, 2.59, 1.01, 0.60 / 0.00 (overlapping)
QUOTE PROGETTO	22.60, 22.68, 22.70, 22.60, 22.56, 22.54, 22.51, 22.49, 16.64
QUOTE SOTTOFONDO	22.60, 22.68, 22.70, 22.60, 22.01, 21.99, 21.96, 21.94 / 16.64 (overlapping)

Materiali – Progr.0+033.76	
Materiale	**Area (m^2)**
Base	0.80
Fondazione	1.20
Gradoni	0.00
Rilevato	129.19
Scavo	0.00
Scotico	0.00
Sottobase	1.60
Terreno vegetale	0.00
Usura+Binder	0.80

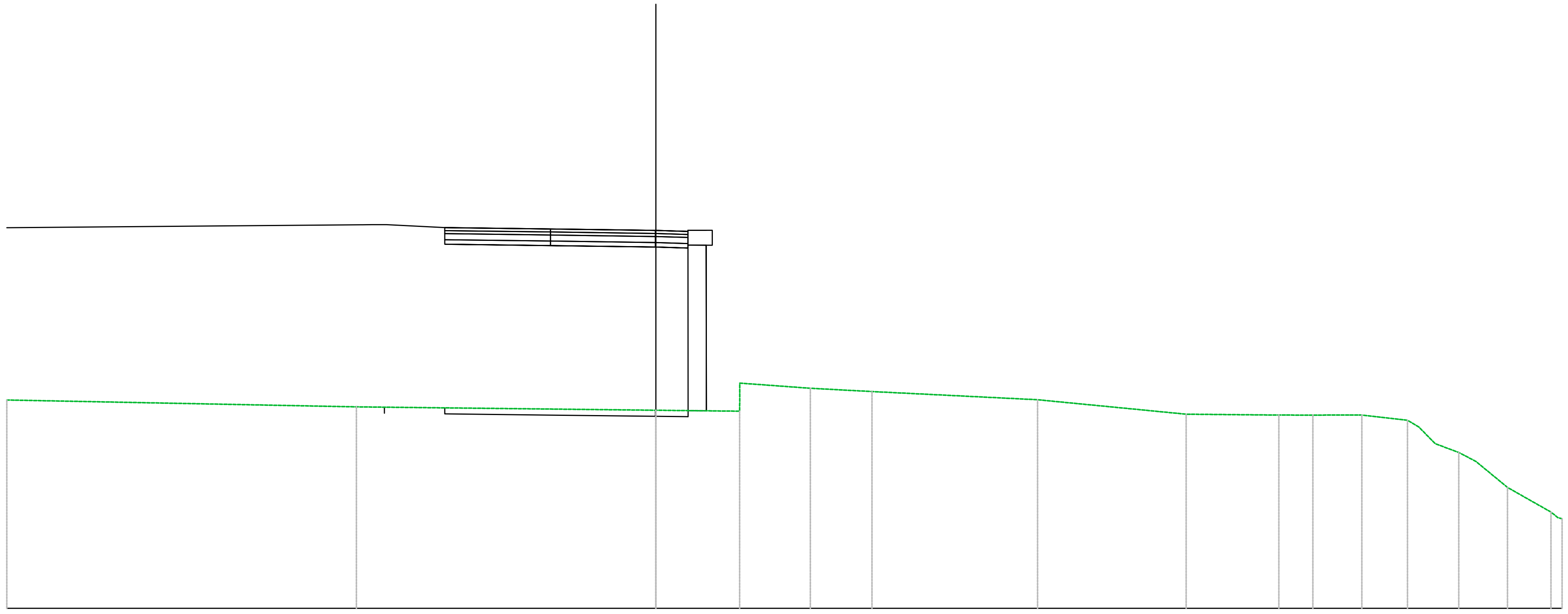
ROT03
Sez. R03_03
Progr.: 0+033.76
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-21.49	-17.39	-13.66	-11.12	-2.91	-0.70	0.00	1.00
PARZIALI TERRENO		4.10	3.73	2.54	8.21	2.21	0.70	1.00
QUOTE TERRENO	16.90	16.84	16.71	16.68	16.56	16.57	16.56	16.55
PROGRESSIVE PROGETTO	-21.49		-13.67			-9.78	-8.99	-8.11	-6.99	-5.35	-3.49	-1.81	0.00	0.00
PARZIALI PROGETTO		7.82		3.88		0.71	0.88	1.12	1.64	1.86	1.68	1.81		
QUOTE PROGETTO	22.60		22.69			22.74	22.74	22.70	22.64	22.63	22.61	22.59	22.57	22.57
QUOTE SOTTOFONDO	22.60		22.69			22.74	22.74	22.46	22.09	22.08	22.06	22.04	22.02	22.03

Materiali – Progr.0+050.64	
Materiale	**Area (m^2)**
Base	0.80
Fondazione	1.21
Gradoni	0.00
Rilevato	129.98
Scavo	0.00
Scotico	0.00
Sottobase	1.61
Terreno vegetale	0.00
Usura+Binder	0.80

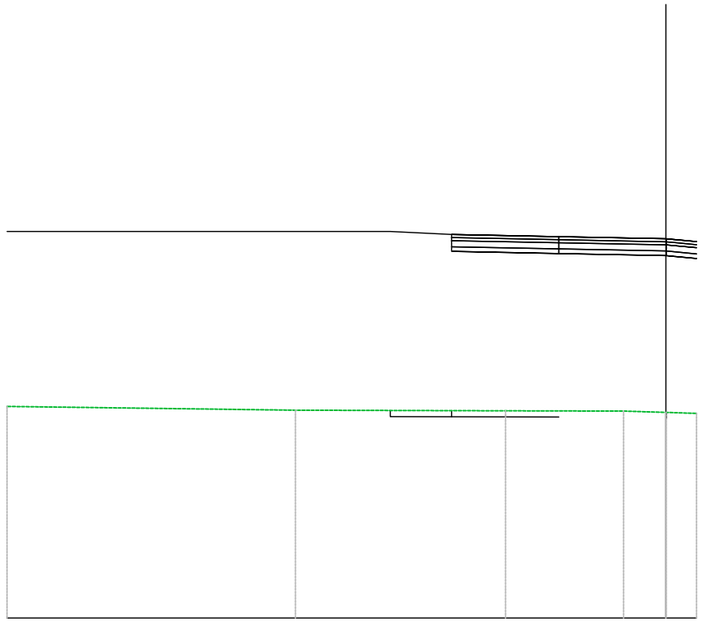
ROT03
Sez. R03_04
Progr.: 0+050.64
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-21.49 -9.92 0.00 2.77 5.11 7.15 12.64 17.55 20.62 21.75 23.37 24.88 25.80 26.58 27.14 28.19 29.63 30.00
PARZIALI TERRENO	11.57 9.92 2.77 0.00 2.34 2.04 5.48 4.92 3.07 1.13 1.62 1.51 0.54 0.78 1.05 1.44
QUOTE TERRENO	16.90 16.67 16.56 16.52 17.28 17.18 16.90 16.43 16.40 16.40 16.40 16.22 15.45 15.16 14.86 14.00 13.19 12.96
PROGRESSIVE PROGETTO	-21.49 -14.47 -11.30 -9.71 -8.92 -6.88 -3.49 -0.88 1.06
PARZIALI PROGETTO	7.02 3.17 1.50 1.93 3.39 2.62 0.86 0.64 0.42
QUOTE PROGETTO	22.60 22.66 22.68 22.70 22.70 22.60 22.56 22.52 22.51 22.48
QUOTE SOTTOFONDO	22.60 22.66 22.68 22.70 22.68 22.59 22.01 21.97 21.96 21.93 16.57

Materiali – Progr.0+067.52	
Materiale	**Area (m^2)**
Base	0.80
Fondazione	1.20
Gradoni	0.00
Rilevato	124.76
Scavo	0.00
Scotico	0.00
Sottobase	1.60
Terreno vegetale	0.00
Usura+Binder	0.80

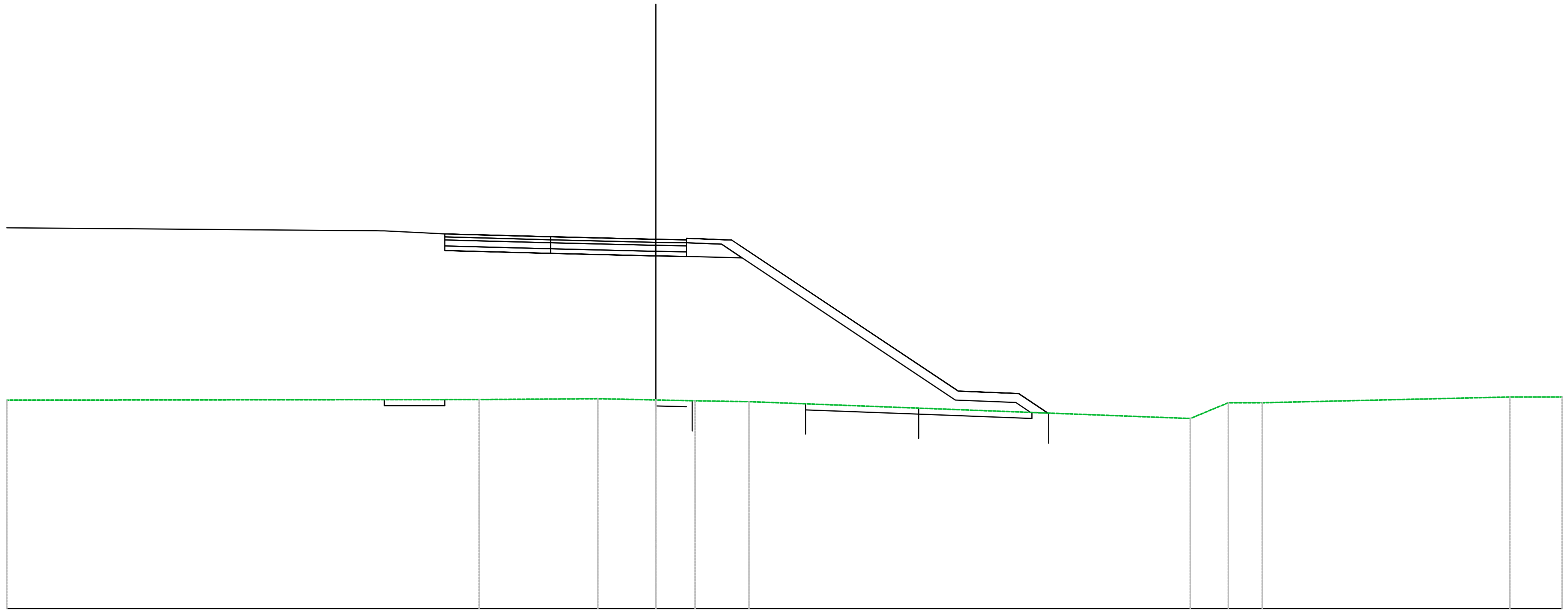
ROT03
Sez. R03_05
Progr.: 0+067.52
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-21.49		-12.08		-5.23		-1.38	0.00	1.00
PARZIALI TERRENO		9.41		6.85		3.85	1.38	1.00	
QUOTE TERRENO	16.90		16.77		16.75		16.74	16.70	16.67
PROGRESSIVE PROGETTO	-21.49		-13.31		-10.65	-9.74	-8.99	-6.99	-4.44	-3.49	-2.68	0.00	0.00
PARZIALI PROGETTO		8.18		2.66	0.62		1.49	0.51	2.55	0.94	0.81	2.68	0.43	
QUOTE PROGETTO	22.60		22.60		22.60	22.60	22.60	22.50	22.45	22.43	22.42	22.36	22.28	22.28
QUOTE SOTTOFONDO	22.60		22.60		22.60	22.60	22.60	22.08	22.05	21.88	21.86	21.81	21.73	21.73

Materiali – Progr.0+084.40	
Materiale	Area (m²)
Base	0.80
Fondazione	1.86
Gradoni	0.00
Rilevato	147.06
Scavo	0.00
Scotico	0.00
Sottobase	1.60
Terreno vegetale	3.81
Usura+Binder	0.80

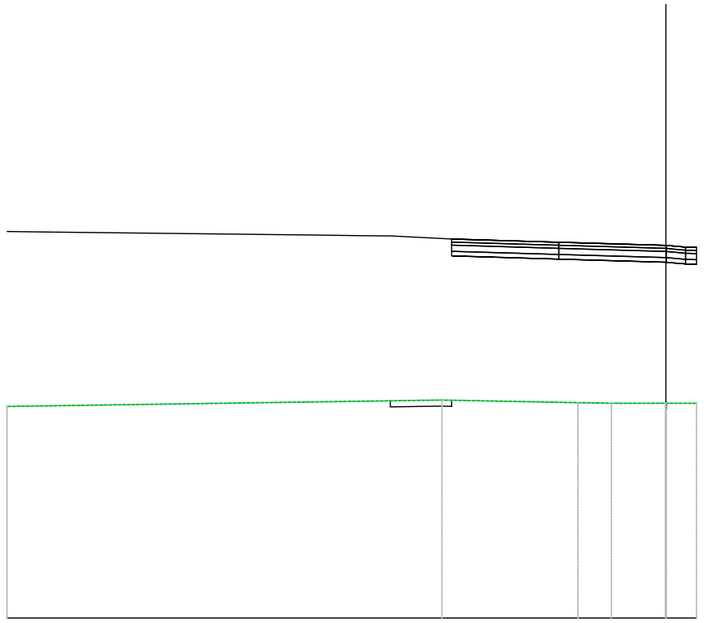
ROT03
Sez. R03_06
Progr.: 0+084.40
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-21.49, -5.85, -2.90, -1.92, 0.00, 1.29, 3.08, 17.69, 18.95, 20.07, 28.27, 30.00
PARZIALI TERRENO	15.64, 2.95, 0.97, 1.92, 1.29, 1.75, 14.61, 1.26, 1.12, 8.20, 1.73
QUOTE TERRENO	16.90, 16.91, 16.94, 16.94, 16.90, 16.87, 16.85, 16.29, 16.81, 16.81, 17.00, 17.00
PROGRESSIVE PROGETTO	-21.49, -19.98, -17.18, -15.22, -13.11, -9.83, -8.99, -6.99, -3.49, -2.72, 0.00, 1.01
PARZIALI PROGETTO	1.51, 2.80, 1.96, 1.47, 0.48, 2.54, 0.67, 0.48, 1.78, 3.09, 0.41, 0.77, 2.71, 0.77
QUOTE PROGETTO	22.60, 22.59, 22.57, 22.55, 22.53, 22.51, 22.50, 22.40, 22.30, 22.29, 22.22, 22.20
QUOTE SOTTOFONDO	22.60, 22.59, 22.57, 22.55, 22.53, 22.51, 22.50, 21.85, 21.75, 21.74, 21.71, 21.67, 21.65, 21.61, 20.21, 16.90, 16.85, 16.61, 16.47

Materiali – Progr.0+101.28	
Materiale	**Area (m^2)**
Base	0.80
Fondazione	1.20
Gradoni	0.00
Rilevato	116.62
Scavo	0.00
Scotico	0.00
Sottobase	1.60
Terreno vegetale	0.00
Usura+Binder	0.80

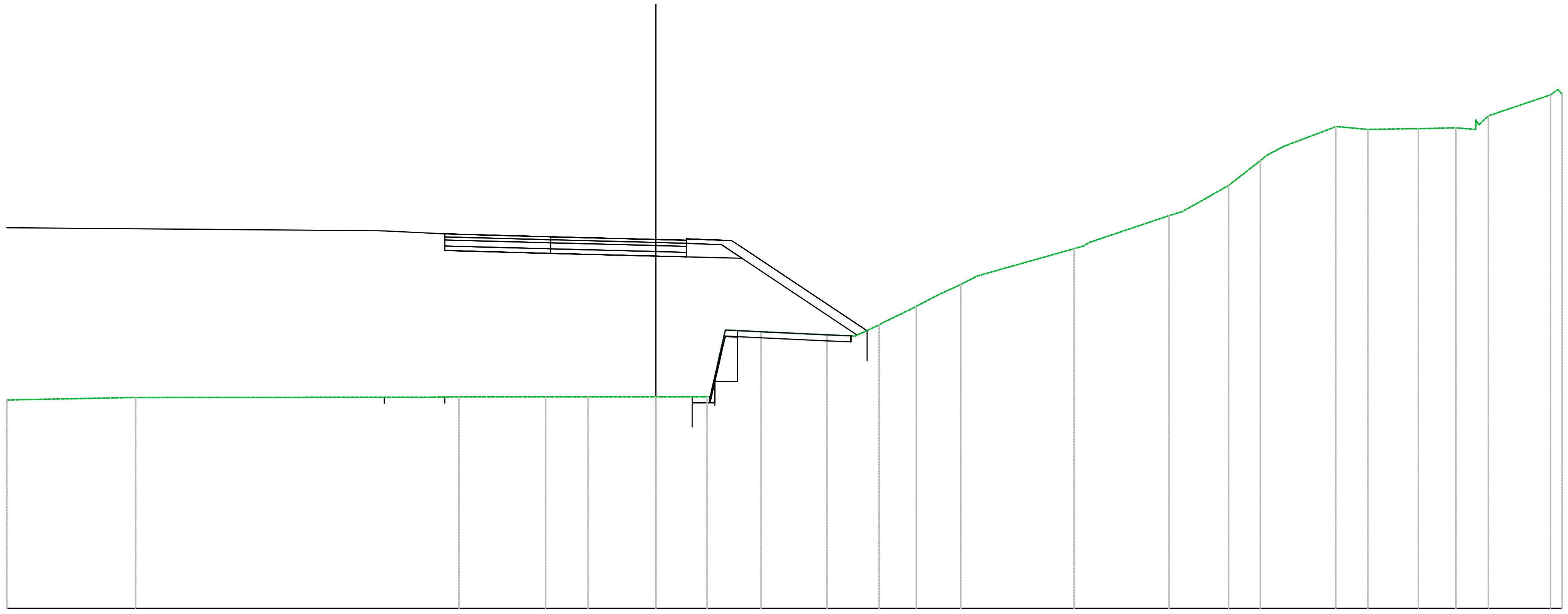
ROT03
Sez. R03_07
Progr.: 0+101.28
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-21.49		-7.31		-2.87	-2.36	-1.78	0.00	1.00
PARZIALI TERRENO		14.18		4.44	0.51	0.58	1.78	1.00	
QUOTE TERRENO	16.90		17.11		17.02	17.01	17.00	17.00	17.00
PROGRESSIVE PROGETTO	-21.49	-20.27	-17.25	-14.27	-11.24	-10.05	-8.99	-6.99	-3.79	-2.96	0.00
PARZIALI PROGETTO		1.22	3.01	2.99	3.03	1.19	0.42	0.48	1.84	3.20	0.53	2.96	
QUOTE PROGETTO	22.60	22.59	22.55	22.52	22.48	22.47	22.46	22.36	22.26	22.23	22.15	22.08
QUOTE SOTTOFONDO	22.60	22.59	22.55	22.52	22.48	22.47	22.46	21.84	21.76	21.68	21.62	21.60	21.53

Materiali – Progr.0+118.16	
Materiale	**Area (m^2)**
Base	0.80
Fondazione	1.86
Gradoni	0.92
Rilevato	129.39
Scavo	0.00
Scotico	0.93
Sottobase	1.60
Terreno vegetale	1.82
Usura+Binder	0.80

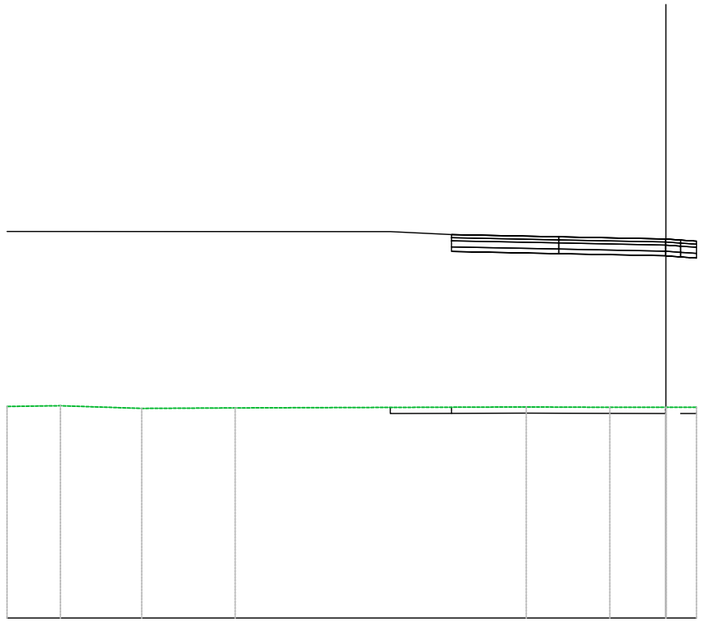
ROT03
Sez. R03_08
Progr.: 0+118.16
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-21.49, -17.22, -7.38, -6.52, -3.65, -2.95, -2.25, 0.00, 0.72, 1.69, 2.25, 3.48, 5.67, 6.60, 7.39, 8.38, 9.39, 10.09, 10.63, 13.84, 16.98, 18.96, 20.01, 20.79, 22.51, 23.57, 25.24, 26.49, 27.14, 29.62, 30.00
PARZIALI TERRENO	4.27, 9.85, 0.86, 2.87, 0.63, 0.71, 2.25, 0.72, 0.97, 0.22, 0.24, 1.18, 2.19, 0.94, 0.79, 0.83, 0.77, 0.70, 0.54, 3.21, 2.66, 1.53, 1.05, 0.56, 1.71, 0.97, 1.67, 1.04, 0.66, 2.06
QUOTE TERRENO	16.90, 16.98, 16.99, 17.00, 17.00, 17.00, 17.00, 17.00, 17.00, 17.00, 19.00, 19.16, 19.05, 19.01, 19.38, 19.87, 20.40, 20.72, 21.00, 21.91, 23.00, 24.00, 24.82, 25.30, 25.95, 25.86, 25.88, 25.91, 25.86, 27.00, 27.03
PROGRESSIVE PROGETTO	-21.49, -19.45, -11.65, -8.99, -7.51, -6.30, -3.49, 0.00, 1.01, 2.37, 2.51
PARZIALI PROGETTO	2.04, 7.80, 2.50, 1.48, 0.52, 0.69, 2.81, 3.12, 0.35, 0.94, 1.36
QUOTE PROGETTO	22.60, 22.58, 22.52, 22.50, 22.42, 22.38, 22.30, 22.21, 22.18, 22.18, 22.17
QUOTE SOTTOFONDO	22.60, 22.58, 22.52, 22.50, 22.02, 21.83, 21.75, 21.66, 21.63, 21.59, 19.30, 19.19

Materiali – Progr.0+135.02	
Materiale	**Area (m^2)**
Base	0.80
Fondazione	1.20
Gradoni	0.00
Rilevato	123.69
Scavo	0.00
Scotico	0.00
Sottobase	1.60
Terreno vegetale	0.00
Usura+Binder	0.80

ROT03
Sez. R03_09
Progr.: 0+135.02
Scala : 1:200
Q.Rif. : 10.00

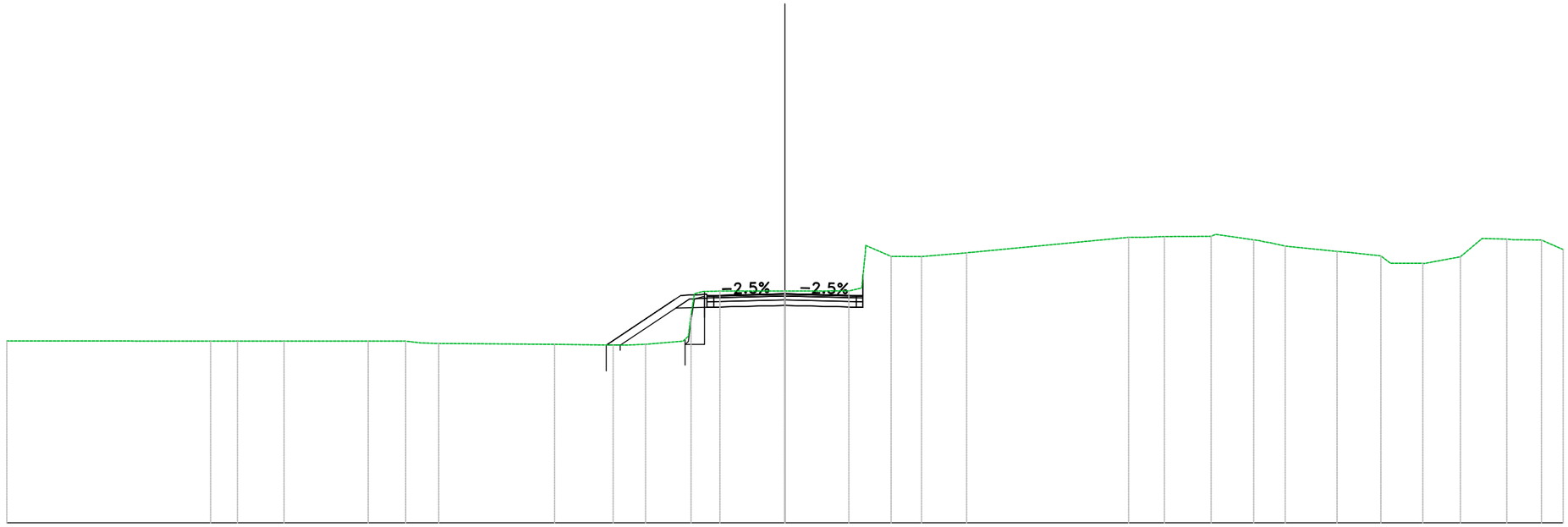


PROGRESSIVE TERRENO	-21.49	-19.75	-17.10	-14.05	-4.56	-1.83	0.00	1.00
PARZIALI TERRENO		1.74	2.65	3.05	9.49	2.73	1.83	1.00
QUOTE TERRENO	16.90	16.92	16.83	16.85	16.88	16.87	16.87	16.87
PROGRESSIVE PROGETTO	-21.49	-10.74	-9.61	-8.65	-6.42	-3.49	-0.84	0.00	0.86
PARZIALI PROGETTO	10.75	1.02	0.42	1.66	0.57	2.93	2.65	0.82	
QUOTE PROGETTO	22.60	22.60	22.60	22.58	22.49	22.43	22.37	22.36	22.30
QUOTE SOTTOFONDO	22.60	22.60	22.60	22.45	22.40	21.88	21.82	21.81	21.74

VIA MARTE SUD

Materiali – Progr.0+023.50	
Materiale	**Area (m^2)**
Base	0.90
Binder	0.36
Fondazione	1.58
Rilevato	2.19
Scavo	3.91
Terreno vegetale	1.12
Usura	0.18

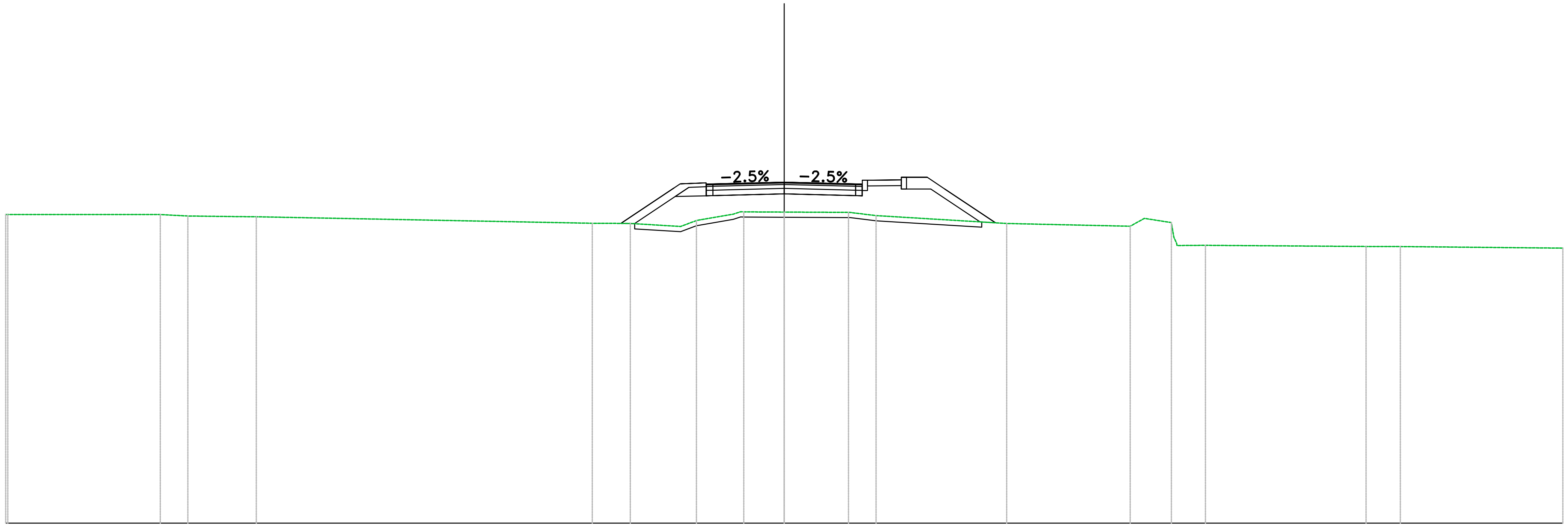
VIA MARTE_S
Sez. MART_S_01
Progr.: 0+023.50
Scala : 1:200
Q.Rif. : 10.00



PROGRESSIVE TERRENO	-30.00	-22.14	-21.11	-19.31	-15.59	-14.62	-14.02	-13.34	-8.88	-6.14	-5.37	-3.72	-3.15	-2.51	0.00	2.46	3.06	4.09	5.27	7.01	13.25	13.82	14.63	16.43	17.26	18.07	18.68	19.29	21.28	22.98	24.59	26.04	26.67	27.83	29.16	30.00
PARZIALI TERRENO	7.56	1.03	1.80	3.24	0.97	0.60	0.51	4.47	2.26	0.77	1.45	0.19	0.64	2.51	2.46	0.10	0.98	1.17	1.74	6.24	0.80	1.80	0.65	0.67	0.61	2.00	1.25	1.25	1.35	0.95	1.09	0.77				
QUOTE TERRENO	17.01	17.00	17.00	17.00	17.00	17.00	16.93	16.91	16.88	16.85	16.88	17.19	18.91	18.93	18.93	18.93	20.00	20.26	20.26	20.40	21.00	21.00	21.03	21.04	21.02	20.90	20.80	20.66	20.46	20.28	20.00	20.25	20.78	20.93	20.90	20.58
PROGRESSIVE PROGETTO									-6.88		-4.01				0.00																					
PARZIALI PROGETTO									2.62		0.24	1.00		2.74	2.74																					
QUOTE PROGETTO									16.85		18.76				18.83																					
QUOTE SOTTOFONDO									16.85		18.29				18.38																					

Materiali – Progr.0+040.00	
Materiale	**Area (m^2)**
Base	0.90
Binder	0.36
Fondazione	1.58
Rilevato	10.40
Scavo	0.00
Terreno vegetale	2.21
Usura	0.18

VIA MARTE_S
Sez. MART_S_02
Progr.: 0+040.00
Scala : 1:200
Q.Rif. : 5.00



PROGRESSIVE TERRENO	–30.00 / –29.92, –24.04, –22.98, –21.16, –20.34, –7.40, –5.93, –3.99, –3.38, –1.56, 0.00, 2.48, 3.54, 8.57, 13.33, 13.88, 14.92, 16.23, 22.42, 23.74, 30.00
PARZIALI TERRENO	5.87, 1.06, 1.82, 0.82, 12.95, 1.47, 1.94, 0.61, 1.42, 1.56, 2.48, 0.99, 5.04, 4.76, 0.55, 1.04, 0.10, 1.09, 6.19, 1.32, 6.26
QUOTE TERRENO	16.88, 16.88, 16.82, 16.80, 16.79, 16.54, 16.54, 16.42, 16.65, 16.98, 16.98, 16.96, 16.84, 16.54, 16.43, 16.73, 16.57, 15.69, 15.65, 15.65, 15.59
PROGRESSIVE PROGETTO	–6.29, –4.01, –3.00 / –2.75, 0.00, 2.75 / 3.00, 4.51, 5.51, 6.19, 8.14 / 8.15
PARZIALI PROGETTO	2.04, 0.24, 1.00, 0.25, 2.75, 2.75, 0.25, 1.30, 0.80, 0.67, 1.95
QUOTE PROGETTO	16.54, 18.06, 18.05 / 18.08, 18.13, 18.06 / 18.05, 18.21, 18.31, 17.86, 16.56
QUOTE SOTTOFONDO	16.54, 16.53, 17.58, 17.60 / 17.61, 17.68, 17.61 / 17.60, 17.99, 17.86, 16.60, 16.56