anas
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

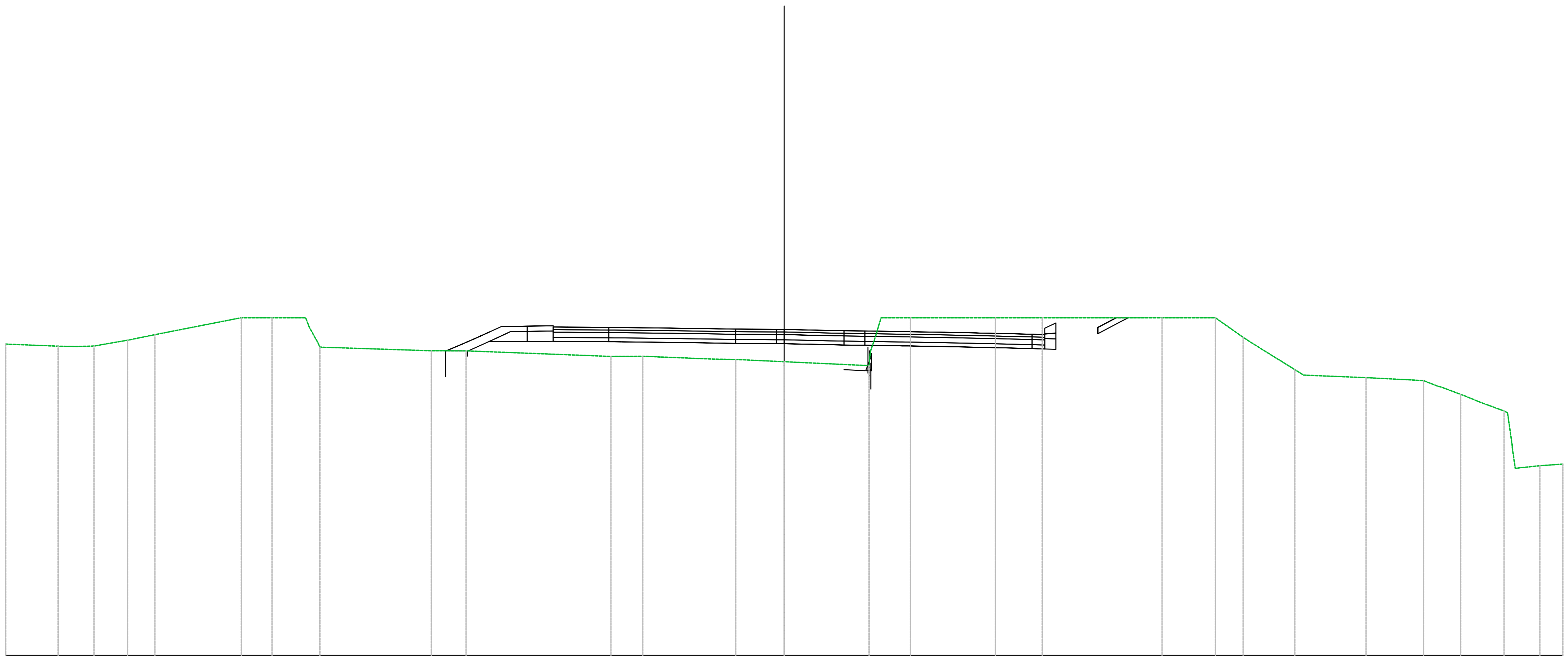
05 PROGETTO STRADALE
05.02 – ASSE PRINCIPALE
Sezioni trasversali – Fascicolo – Tratta 4

CODICE PROGETTO	NOME FILE	REVISIONE	SCALA
PROGETTO: DPGE2710 LIV. PROG.: D 23	P01PS00TRASZ04_A		
	CODICE ELAB.: P01PS00TRASZ04	A	1:200

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

Materiali – Progr.0+025.00	
Materiale	**Area (m^2)**
Base	1.89
Fondazione	3.82
Rilevato	9.06
Scavo	9.49
Scotico	0.00
Sottobase	3.79
Terremo vegetale	1.35
Usura+Binder	1.89

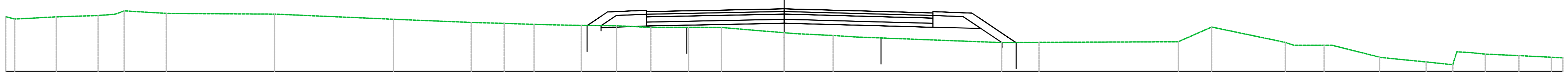
Sez. 4_02
Progr.: 0+025.00
Scala : 1:200
Q.Rif. : 40.00



PROGRESSIVE TERRENO	-30.00 -27.98 -27.28 -26.60 -25.30 -24.25 -20.92 -19.74 -18.44 -17.89 -13.60 -12.26 -6.67 -5.45 -2.74 -1.87 0.00 3.27 4.87 8.14 9.94 14.56 15.21 16.61 17.68 18.29 19.68 22.42 24.63 25.17 26.07 26.81 27.74 29.12 30.00
PARZIALI TERRENO	2.02 0.70 0.68 1.29 1.05 3.33 1.19 1.30 0.35 4.29 1.34 5.59 1.22 2.71 0.88 1.87 3.27 0.05 0.21 1.13 3.27 1.68 4.55 1.40 1.07 1.39 2.41 2.22 0.54 0.72 0.61 0.93 0.08 0.12 0.95 0.88
QUOTE TERRENO	51.98 51.90 51.89 51.91 52.13 52.35 53.00 53.00 53.00 51.87 51.73 51.72 51.51 51.52 51.41 51.39 51.31 51.16 53.00 53.00 53.00 53.00 53.00 53.00 52.25 51.86 51.00 50.69 50.58 50.37 50.05 49.75 49.41 47.30 47.36
PROGRESSIVE PROGETTO	-8.90 -8.46 -7.67 -6.76 -5.96 -5.11 -4.32 -3.49 -2.66 -1.87 -1.09 1.28 2.30 3.11 4.14 5.02 6.18 7.00 7.95 8.73 9.55 10.06
PARZIALI PROGETTO	0.44 0.59 0.41 0.37 0.42 0.40 0.75 0.89 0.43 0.36 0.37 0.42 0.45 0.43 0.56 0.70 0.38
QUOTE PROGETTO	52.64 52.64 52.63 52.63 52.62 52.61 52.60 52.59 52.58 52.56 52.56 52.55 52.52 52.50 52.49 52.47 52.46 52.44 52.42 52.40 52.38 52.36 52.35
QUOTE SOTTOFONDO	51.73 51.72 52.02 52.08 52.09 52.09 52.08 52.08 52.07 52.06 52.05 52.04 52.03 52.01 52.01 52.00 51.97 51.95 51.94 51.92 51.91 51.89 51.87 51.85 51.83 51.81 51.79 52.34 52.39 52.79 53.00

Materiali — Progr.0+040.00	
Materiale	Area (m^2)
Base	1.10
Fondazione	3.00
Rilevato	4.75
Scavo	0.02
Scotico	0.00
Sottobase	2.21
Terremo vegetale	1.22
Usura+Binder	1.10

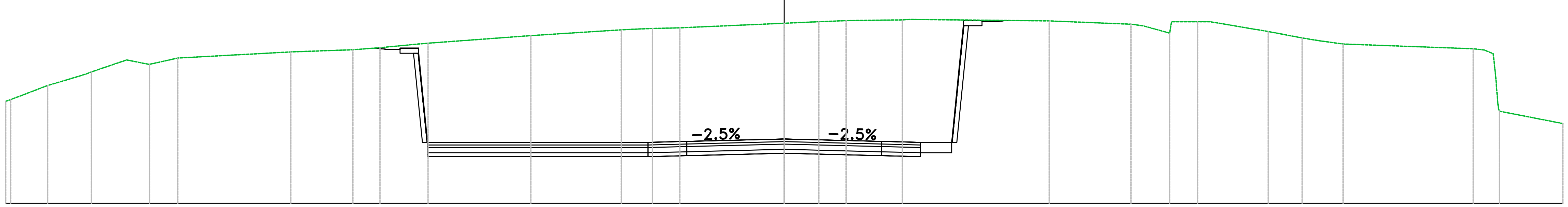
Sez. 4_03
Progr.: 0+040.00
Scala : 1:200
Q.Rif. : 50.00



PROGRESSIVE TERRENO	−30.00 −29.65 −28.05 −26.44 −25.43 −23.81 −19.64 −15.06 −12.06 −10.79 −9.64 −8.46 −7.82 −6.46 −5.14 −3.69 −2.42 0.00 1.88 2.70 8.38 9.82 15.18 16.47 19.31 20.80 22.94 24.73 25.76 26.46 27.01 28.31 29.56 30.00
PARZIALI TERRENO	1.60 1.61 0.66 1.62 4.17 4.34 3.00 1.27 1.15 1.18 0.64 1.36 1.32 1.45 1.27 2.42 1.46 0.82 5.67 1.44 5.37 1.29 2.84 1.17 1.84 1.71 1.03 0.15 0.53 0.55 1.30 1.25
QUOTE TERRENO	52.08 52.00 52.09 52.14 52.32 52.22 52.19 51.99 51.87 51.84 51.80 51.77 51.76 51.74 51.68 51.68 51.68 51.48 51.37 51.32 51.10 51.11 51.13 51.70 51.11 51.00 50.54 50.36 50.25 50.72 50.66 50.60 50.54 50.52
PROGRESSIVE PROGETTO	−5.30 −2.00 −0.96 0.27 0.69 1.36 3.28 5.04 5.73
PARZIALI PROGETTO	3.31 1.04 0.96 0.27 0.42 0.62 1.93 1.56 0.69
QUOTE PROGETTO	52.29 52.35 52.37 52.39 52.38 52.37 52.36 52.30 52.26 52.24
QUOTE SOTTOFONDO	51.76 51.75 51.69 51.74 51.80 51.82 51.84 51.83 51.82 51.81 51.75 51.71 51.69 51.66 51.71 51.11 51.10 51.10

Materiali – Progr.0+060.00	
Materiale	**Area (m^2)**
Base	1.90
Fondazione	2.85
Rilevato	0.00
Scavo	102.90
Scotico	0.00
Sottobase	3.80
Terremo vegetale	0.00
Usura+Binder	1.90

Sez. 4_04
Progr.: 0+060.00
Scala : 1:200
Q.Rif. : 50.00



PROGRESSIVE TERRENO: -30.00 -29.80 -28.38 -26.70 -25.33 -24.46 -23.37 -19.01 -16.62 -15.57 -13.72 -9.76 -6.28 -5.63 -5.08 -4.02 0.00 1.33 2.38 4.55 10.21 10.99 13.36 14.85 15.93 18.65 19.95 20.62 21.53 26.55 27.32 30.00

PARZIALI TERRENO: 1.42 1.19 1.37 0.85 1.09 4.36 2.39 1.04 1.49 3.96 3.48 0.65 0.55 1.06 4.02 1.33 1.05 1.98 5.35 0.60 2.37 1.01 1.01 2.24 1.31 0.92 5.01 0.09 2.45

QUOTE TERRENO: 53.93 54.00 54.54 55.06 55.53 55.36 55.60 55.84 55.92 56.00 56.17 56.47 56.69 56.72 56.74 56.77 56.94 57.00 57.04 57.07 57.03 57.00 56.90 56.56 57.00 56.62 56.38 56.27 56.14 55.96 55.77 53.08

PROGRESSIVE PROGETTO: -5.25 -3.75 3.75 5.25

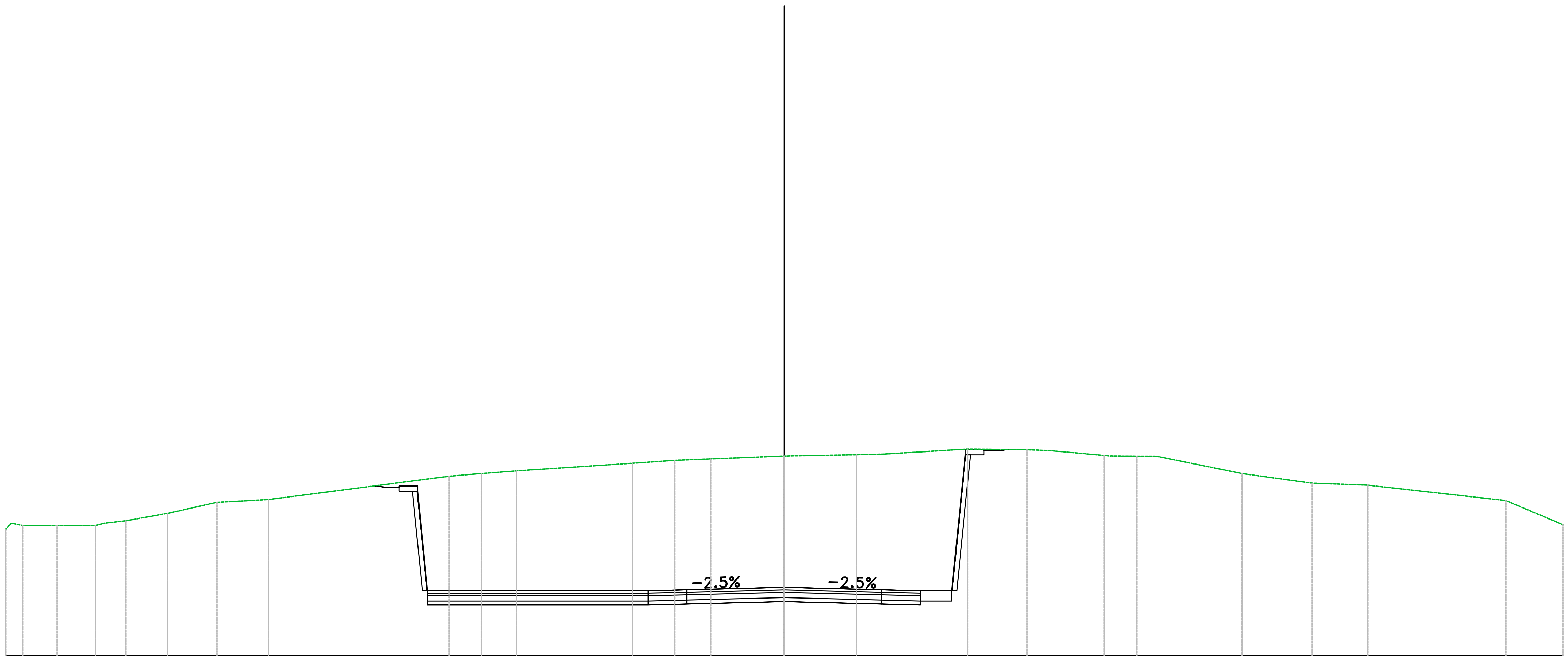
PARZIALI PROGETTO: 1.50 3.75 3.75 1.50

QUOTE PROGETTO: 52.35 52.39 52.48 52.39 52.35

QUOTE SOTTOFONDO: 55.98 55.93 55.78 55.78 51.80 51.80 51.84 51.93 51.84 51.80 51.95 56.85 56.83 57.00 57.05

Materiali – Progr.0+064.78	
Materiale	**Area (m²)**
Base	1.90
Fondazione	2.85
Rilevato	0.00
Scavo	115.15
Scotico	0.00
Sottobase	3.80
Terremo vegetale	0.00
Usura+Binder	1.90

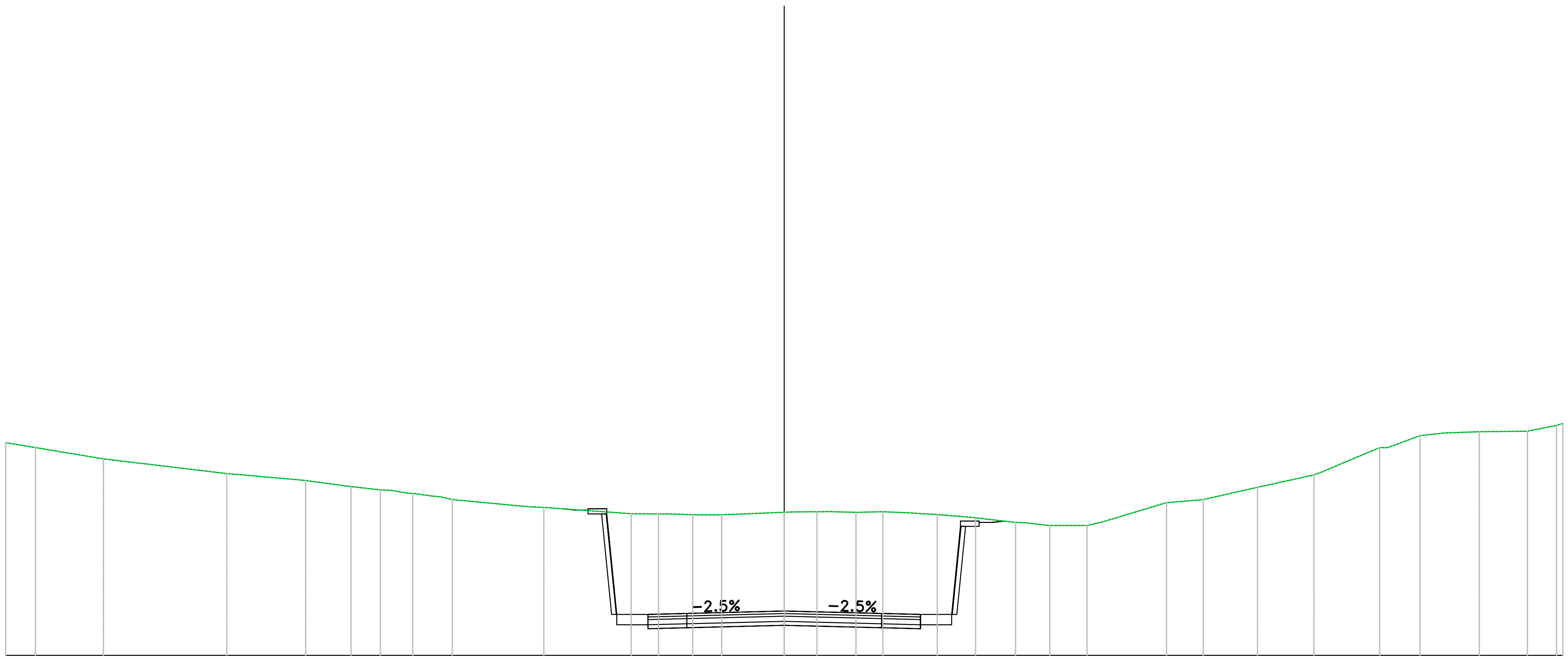
Sez. 4_IMB01
Progr.: 0+064.78
Scala : 1:200
Q.Rif. : 50.00



PROGRESSIVE TERRENO	–30.00, –29.89, –29.34, –28.02, –26.54, –26.02, –25.37, –23.77, –21.86, –19.87, –12.63, –11.67, –10.32, –5.84, –4.22, –2.83, 0.00, 2.79, 3.78, 7.06, 9.35, 10.30, 12.33, 13.59, 14.28, 17.65, 20.33, 22.48, 27.80, 30.00
PARZIALI TERRENO	1.32, 1.48, 0.65, 1.60, 1.91, 1.98, 6.96, 0.96, 1.11, 4.48, 1.62, 1.39, 2.83, 2.70, 0.53, 3.28, 1.94, 0.95, 2.03, 0.90, 0.69, 3.12, 2.69, 2.15, 5.32, 2.20
QUOTE TERRENO	54.84, 54.90, 55.00, 55.00, 55.00, 55.11, 55.18, 55.47, 55.89, 56.00, 56.92, 57.00, 57.11, 57.40, 57.51, 57.56, 57.67, 57.73, 57.75, 57.94, 57.92, 57.88, 57.70, 57.67, 57.67, 57.00, 56.63, 56.55, 55.96, 55.04
PROGRESSIVE PROGETTO	–5.25, –3.75, 3.75, 5.25
PARZIALI PROGETTO	1.50, 3.75, 3.75, 1.50
QUOTE PROGETTO	52.49, 52.53, 52.62, 52.53, 52.49
QUOTE SOTTOFONDO	56.52, 56.47, 56.42, 56.32, 51.94, 51.94, 51.98, 52.07, 51.98, 51.94, 52.09, 57.73, 57.78, 57.88, 57.93

Materiali – Progr.0+711.78	
Materiale	**Area (m^2)**
Base	1.05
Fondazione	1.57
Rilevato	0.00
Scavo	59.65
Scotico	0.00
Sottobase	2.10
Terremo vegetale	0.00
Usura+Binder	1.05

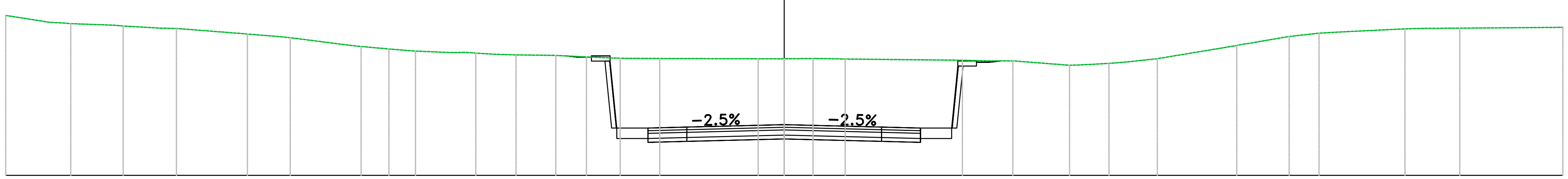
Sez. 4_IMB02
Progr.: 0+711.78
Scala : 1:200
Q.Rif. : 70.00



PROGRESSIVE TERRENO	-30.00 -28.85 -26.23 -21.48 -18.44 -17.26 -16.69 -15.78 -15.15 -14.31 -13.54 -12.79 -10.07 -9.26 -5.90 -4.85 -4.20 -3.53 -2.41 0.00 1.26 1.82 2.77 3.80 4.74 5.89 6.74 7.38 8.91 10.23 10.92 11.67 12.24 14.73 16.15 18.24 20.41 22.94 24.50 25.41 26.78 28.64 29.76 30.00
PARZIALI TERRENO	1.15 2.62 4.75 3.04 1.18 0.56 0.91 0.66 0.77 2.72 3.36 1.05 0.65 0.67 1.11 2.41 0.91 0.56 0.95 1.04 0.94 1.15 0.85 0.63 1.54 0.93 0.68 0.75 0.57 2.49 1.17 2.09 2.17 2.27 1.24 0.91 1.37 1.86 1.12
QUOTE TERRENO	78.19 78.00 77.56 77.00 76.73 76.57 76.50 76.40 76.35 76.24 76.13 76.00 75.74 75.70 75.45 75.45 75.44 75.41 75.41 75.51 75.53 75.53 75.51 75.53 75.49 75.42 75.35 75.30 75.12 75.00 75.00 75.00 75.13 75.88 76.00 76.47 76.95 78.00 78.46 78.56 78.61 78.63 78.85 78.93
PROGRESSIVE PROGETTO	-5.25 -3.75 3.75 5.25
PARZIALI PROGETTO	1.50 3.75 3.75 1.50
QUOTE PROGETTO	71.58 71.62 71.71 71.62 71.58
QUOTE SOTTOFONDO	75.64 75.59 75.44 75.44 71.18 71.03 71.07 71.16 71.07 71.03 71.18 74.97 74.97 75.12 75.17

Materiali – Progr.0+720.00	
Materiale	**Area (m²)**
Base	1.05
Fondazione	1.57
Rilevato	0.00
Scavo	42.41
Scotico	0.00
Sottobase	2.10
Terremo vegetale	0.00
Usura+Binder	1.05

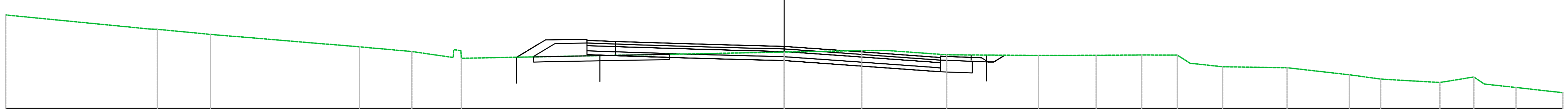
Sez. 4_37
Progr.: 0+720.00
Scala : 1:200
Q.Rif. : 70.00



PROGRESSIVE TERRENO	−30.00, −28.31, −27.49, −25.47, −24.01, −23.42, −20.68, −19.03, −16.68, −16.15, −15.23, −14.21, −12.88, −11.88, −11.12, −10.33, −8.80, −7.62, −6.32, −5.37, −4.80, −1.00, 0.00, 0.86, 1.45, 2.35, 6.87, 7.74, 8.81, 10.99, 11.92, 12.51, 13.25, 14.38, 17.44, 19.46, 20.61, 21.53, 23.92, 24.65, 26.03, 30.00
PARZIALI TERRENO	1.69, 0.51, 1.62, 1.47, 0.59, 2.73, 1.39, 2.36, 0.91, 0.77, 1.33, 0.62, 0.76, 0.79, 1.49, 1.18, 1.30, 0.95, 0.57, 3.79, 0.93, 0.86, 0.90, 4.52, 0.88, 1.06, 2.18, 0.81, 0.59, 0.74, 1.13, 3.06, 1.95, 1.15, 0.92, 2.39, 0.74, 1.38, 3.97
QUOTE TERRENO	76.16, 75.89, 75.84, 75.75, 75.67, 75.66, 75.44, 75.30, 75.00, 74.95, 74.87, 74.79, 74.73, 74.71, 74.66, 74.64, 74.62, 74.56, 74.51, 74.50, 74.50, 74.49, 74.49, 74.50, 74.50, 74.48, 74.43, 74.41, 74.41, 74.24, 74.28, 74.31, 74.37, 74.49, 75.00, 75.35, 75.48, 75.53, 75.64, 75.66, 75.67, 75.70
PROGRESSIVE PROGETTO	−5.25, −3.75, 3.75, 5.25
PARZIALI PROGETTO	1.50, 3.75, 3.75, 1.50
QUOTE PROGETTO	71.82, 71.86, 71.95, 71.86, 71.82
QUOTE SOTTOFONDO	74.60, 74.55, 74.40, 74.40, 71.42, 71.27, 71.31, 71.40, 71.31, 71.27, 71.42, 74.21, 74.21, 74.36, 74.41

Materiali – Progr.0+740.00	
Materiale	**Area (m^2)**
Base	1.36
Fondazione	2.60
Rilevato	0.12
Scavo	5.65
Scotico	1.05
Sottobase	2.72
Terremo vegetale	0.82
Usura+Binder	1.36

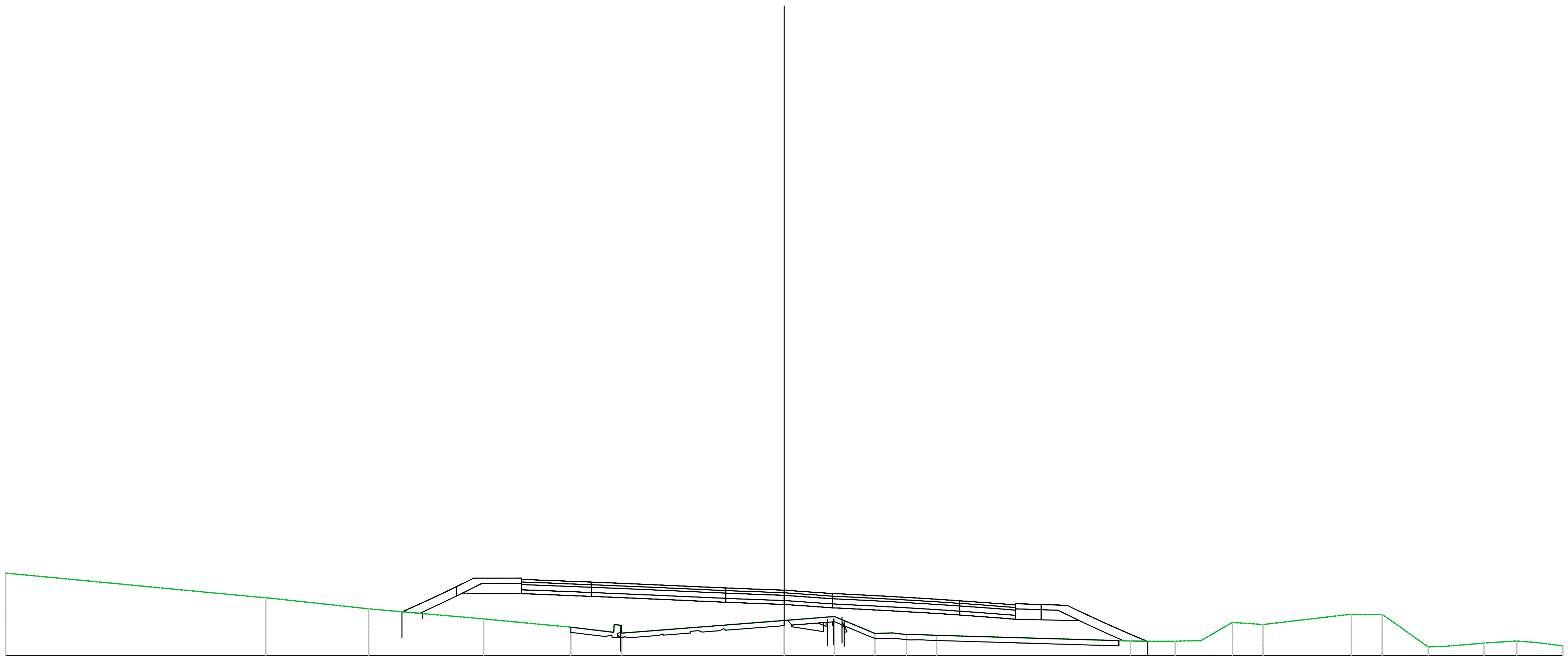
Sez. 4_38
Progr.: 0+740.00
Scala : 1:200
Q.Rif. : 70.00



PROGRESSIVE TERRENO	-30.00, -24.15, -22.11, -16.37, -14.35, -12.44, 0.00, 2.99, 3.74, 6.26, 9.80, 12.02, 13.78, 15.15, 16.90, 19.38, 21.78, 22.98, 25.26, 26.57, 28.20, 30.00
PARZIALI TERRENO	5.59, 2.05, 5.74, 2.02, 1.42, 12.44, 2.99, 0.75, 2.36, 3.54, 2.22, 1.76, 1.37, 0.49, 1.26, 2.48, 2.40, 1.21, 2.08, 1.31, 1.22, 1.80
QUOTE TERRENO	73.61, 73.05, 72.86, 72.38, 72.20, 71.94, 72.18, 72.23, 72.24, 72.07, 72.04, 72.05, 72.06, 72.06, 71.61, 71.57, 71.30, 71.13, 71.00, 71.21, 70.81, 70.61
PROGRESSIVE PROGETTO	-7.60, -7.49, -6.37, -5.63, -5.05, -3.81, -2.36, -1.75, 2.16, 3.74, 4.57, 5.63, 6.01
PARZIALI PROGETTO	0.94, 0.66, 0.36, 1.24, 1.22, 0.62, 1.75, 2.16, 1.39, 0.84, 0.92, 0.31
QUOTE PROGETTO	72.62, 72.62, 72.58, 72.56, 72.54, 72.50, 72.46, 72.44, 72.40, 72.24, 72.13, 72.07, 71.99, 71.97
QUOTE SOTTOFONDO	[illegible], 72.04, 72.05, 72.06, 72.07, 72.03, 72.01, 71.99, 71.95, 71.91, 71.89, 71.85, 71.69, 71.58, 71.52, 71.44, 71.42, 71.40, 71.37, 71.79, [illegible]

Materiali – Progr.0+745.22	
Materiale	**Area (m^2)**
Base	1.90
Fondazione	4.40
Rilevato	22.59
Scavo	0.00
Scotico	4.21
Sottobase	3.80
Terremo vegetale	2.64
Usura+Binder	1.90

Sez. 4_39
Progr.: 0+745.22
Scala : 1:200
Q.Rif. : 70.00



PROGRESSIVE TERRENO	-30.00, -19.97, -16.01, -11.58, -8.22, -6.26, 0.00, 1.93, 3.50, 4.15, 4.72, 5.34, 5.88, 13.34, 14.18, 15.06, 16.05, 17.28, 18.45, 21.86, 22.40, 23.04, 24.81, 25.39, 26.96, 28.23, 29.05, 30.00
PARZIALI TERRENO	9.69, 3.97, 4.43, 3.36, 1.63, 6.26, 1.93, 1.56, 0.65, 0.54, 7.47, 0.83, 0.83, 0.70, 1.22, 0.90, 3.41, 0.54, 0.64, 1.77, 0.58, 1.57, 1.12, 0.82, 0.95
QUOTE TERRENO	73.17, 72.22, 71.79, 71.40, 71.09, 70.86, 71.34, 71.49, 70.84, 70.86, 70.80, 70.79, 70.77, 70.55, 70.54, 70.54, 70.57, 71.27, 71.19, 71.59, 71.56, 71.58, 70.33, 70.34, 70.47, 70.55, 70.49, 70.36
PROGRESSIVE PROGETTO	-10.12, -9.30, -8.29, -7.31, -6.46, -5.59, -4.74, -3.93, -2.75, -1.83, -0.88, 0.78, 1.59, 2.38, 3.16, 4.13, 5.10, 5.95, 6.75, 7.66, 8.46, 8.90
PARZIALI PROGETTO	0.65, 0.65, 0.46, 0.35, 0.41, 0.40, 0.38, 0.46, 0.47, 0.36, 0.54, 0.49, 0.43, 0.44, 0.40, 0.42, 0.37, 0.41, 0.59, 0.45
QUOTE PROGETTO	72.93, 72.89, 72.86, 72.82, 72.78, 72.74, 72.71, 72.67, 72.62, 72.58, 72.54, 72.51, 72.46, 72.40, 72.36, 72.32, 72.27, 72.21, 72.16, 72.10, 72.04, 71.98, 71.94
QUOTE SOTTOFONDO	71.68, 71.65, 71.86, 72.24, 72.39, 72.38, 72.38, 72.34, 72.31, 72.27, 72.23, 72.19, 72.16, 72.12, 72.07, 72.03, 71.99, 71.96, 71.91, 71.85, 71.81, 71.77, 71.72, 71.66, 71.61, 71.55, 71.49, 71.43, 71.37, 71.35, 71.33, 70.98, 70.59, 70.54