



# S.S. N. 9 "VIA EMILIA"

## VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.P. EX S.S. N.234

### PROGETTO ESECUTIVO

  Ing. Renato Vaira <small>(Ordine degli Ingg. di Torino e Provincia n° 4663 W)</small>	ING. <b>RENATO DEL PRETE</b>  Ing. Renato Del Prete <small>Ordine degli Ingg. di Bari e provincia n° 5073</small>	DOTT. GEOL. <b>DANILO GALLO</b>  Dott. Geol. Danilo Gallo <small>Ordine dei Geologi della Regione Puglia n° 588</small>	<b>INTEGRAZIONE PRESTAZIONI</b> Ing. Renato Del Prete	<b>PROGETTISTA</b> Ing. Valerio Bajetti <small>(I.T. S.r.l.)</small>
			<b>PROGETTAZIONE STRADALE</b> Ing. Gaetano Ranieri <small>(Ga&amp;M S.r.l.)</small>	<b>PROGETTAZIONE IDRAULICA</b> Ing. Fabrizio Bajetti <small>(I.T. S.r.l.)</small>
  Ing. Valerio Bajetti <small>Ordine degli Ingg. di Roma e provincia n° A-26211</small>	<b>SETAC</b> Srl Servizi & Engineering Trasporti Ambiente Costruzioni  Prof. Ing. Luigi Monterisi <small>Ordine degli Ingg. di Bari e provincia n° 1771</small>	  Ing. Gabriele Incecchi <small>Ordine degli Ingg. di Roma e provincia n° A-12102</small>	<b>PROGETTAZIONE OPERE D'ARTE MAGGIORI</b> Ing. Renato Vaira <small>(Studio Corona S.r.l.)</small>	<b>PROGETTAZIONE OPERE D'ARTE MINORI</b> Ing. Nicola Ligas <small>(I.T. S.r.l.)</small>
			<b>COMPUTI</b> Ing. Valerio Bajetti <small>(I.T. S.r.l.)</small>	<b>CANTIERISTICA</b> Ing. Gaetano Ranieri <small>(Ga&amp;M S.r.l.)</small>
  Prof. Ing. Matteo Ranieri <small>Ordine degli Ingg. di Bari e provincia n° 1137</small>	<b>ECOPLAN</b> <small>Studio di Ingegneria e Architettura</small>  Arch. Nicoletta Frattini <small>Ordine degli Arch. di Torino e provincia n° A-8433</small>	<b>ARKE'</b> INGEGNERIA s.r.l. <small>Via Impugnatura Trapano n. 4 - 70129 Bari</small>  Ing. Gioacchino Angarano <small>Ordine degli Ingg. di Bari e provincia n° 5970</small>	<b>GEOLOGIA</b> Dott. Danilo Gallo	<b>GEOTECNICA</b> Ing. Gianfranco Sodero <small>(Studio Corona S.r.l.)</small>
			<b>AMBIENTE</b> Dott. Emilio Macchi <small>(ECOPLAN S.r.l.)</small>	<b>SICUREZZA</b> Ing. Gaetano Ranieri <small>(Ga&amp;M S.r.l.)</small>

VISTO: IL RESPONSABILE DEL PROCEDIMENTO    Dott. Ing. Fabrizio CARDONE	IL RESPONSABILE DELLA INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE    Ing. Renato DEL PRETE	PROGETTISTA    Ing. Valerio BAJETTI	GEOLOGO    Dott. Danilo GALLO	IL COORDINATORE DELLA SICUREZZA IN FASE DI PROGETTAZIONE    Ing. Gaetano RANIERI
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**DF10**

**D - DF - ASSE SECONDARIO 80**

SEZIONI TRASVERSALI ASSE 80

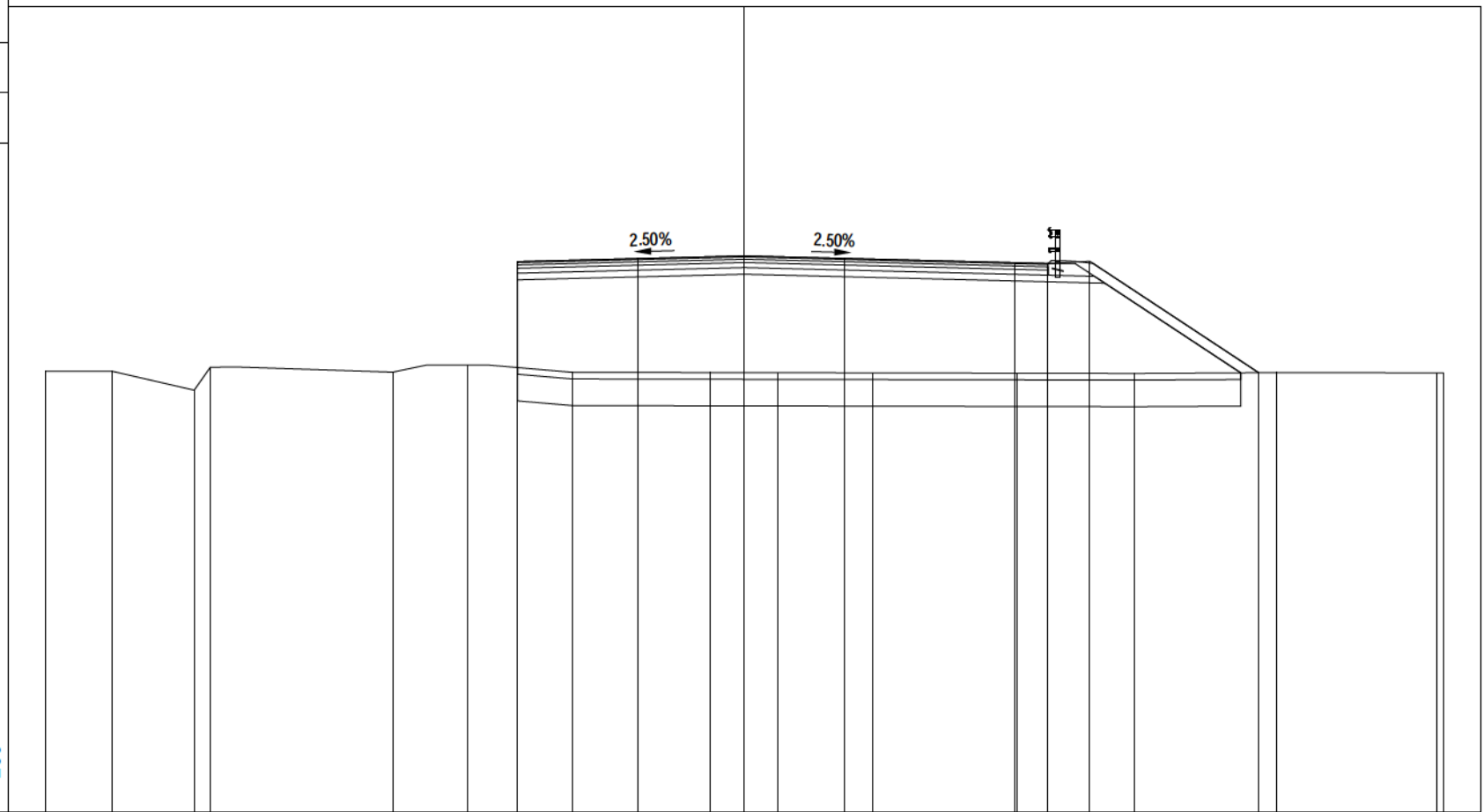
CODICE PROGETTO PROGETTO      LIV. PROG.      N. PROG. <b>COMI</b> <b>E</b> <b>1701</b>			NOME FILE DF10-S80PS00TRASZ01_B.dwg		REVISIONE <b>B</b>	SCALA: <b>1:200</b>
CODICE ELAB. <b>S80PS00TRASZ01</b>						
<b>D</b>						
<b>C</b>						
<b>B</b>	EMISSIONE A SEGUITO DI ISTRUTTORIA	LUGLIO 2018	ING. DOMENICO DE MATTEO	PROF. ING. LUIGI MONTERISI	ING. VALERIO BAJETTI	
<b>A</b>	EMISSIONE	DICEMBRE 2017	ING. DOMENICO DE MATTEO	PROF. ING. LUIGI MONTERISI	ING. VALERIO BAJETTI	
REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO	

PROFILO Asse 80

SEZIONE 80-1

PROGRESSIVA 0.01

A RILEVATO	m <sup>2</sup>	55.66
AR ARIDO BONIFICA	m <sup>2</sup>	17.37
AS ARIDO SCOTICO	m <sup>2</sup>	4.35
BO BONIFICA	m <sup>2</sup>	17.37
D BASE	m <sup>2</sup>	1.59
E MISTO CEMENTATO	m <sup>2</sup>	2.39
G FONDAZIONE	m <sup>2</sup>	3.49
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.40
SC SCOTICO	m <sup>2</sup>	4.35
V VEGETALE	m <sup>2</sup>	1.89
a USURA	m	15.94
c BINDER	m	15.94



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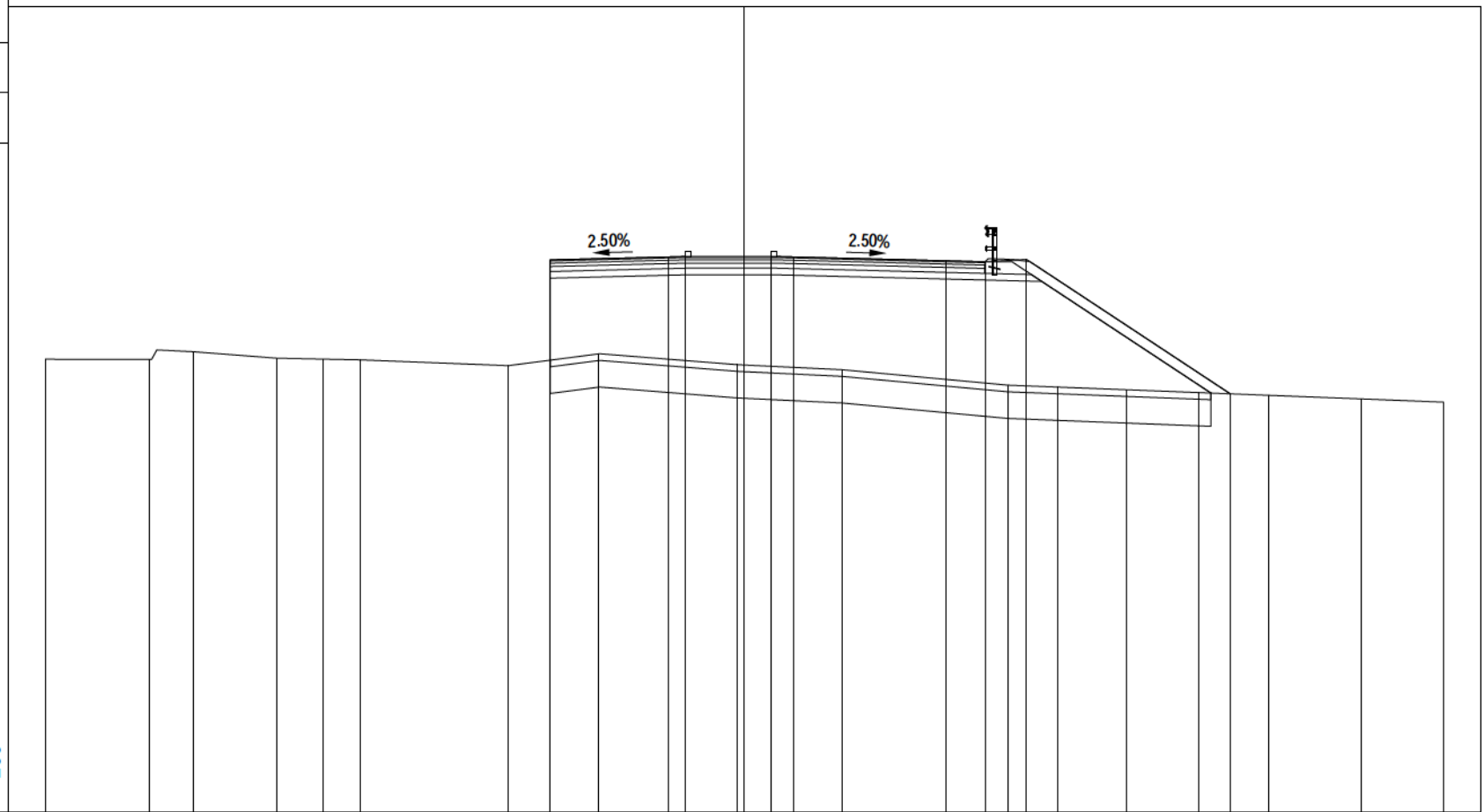
PROGRESSIVE TERRENO	-21.00	-18.97	-16.52	-16.04	-10.56	-8.33	-5.17	-1.02	1.02	3.84	8.20	11.72	15.98	20.81	21.00
PARZIALI TERRENO	2.03	2.45	0.48	5.48	2.23	3.16	4.15	2.04	2.82	4.36	3.52	4.26	4.83	0.19	
QUOTE TERRENO	61.23	61.23	60.66	61.35	61.20	61.42	61.20	61.19	61.19	61.18	61.17	61.17	61.19	61.18	61.18
PROGRESSIVE PROGETTO						-6.82	-3.21	0.00	3.01		8.12	9.12	10.37	15.44	
PARZIALI PROGETTO						3.61	3.21	3.01	5.11	1.00	1.25	5.07			
QUOTE PROGETTO						64.53	64.62	64.70	64.62		64.49	64.47	64.54	61.19	

PROFILO Asse 80

SEZIONE 80-2

PROGRESSIVA 5.00

A RILEVATO	m <sup>2</sup>	48.65
AR ARIDO BONIFICA	m <sup>2</sup>	15.88
AS ARIDO SCOTICO	m <sup>2</sup>	3.96
BO BONIFICA	m <sup>2</sup>	15.88
D BASE	m <sup>2</sup>	1.31
E MISTO CEMENTATO	m <sup>2</sup>	1.96
G FONDAZIONE	m <sup>2</sup>	2.93
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.39
SC SCOTICO	m <sup>2</sup>	3.96
V VEGETALE	m <sup>2</sup>	2.23
a USURA	m	10.33
c BINDER	m	13.05



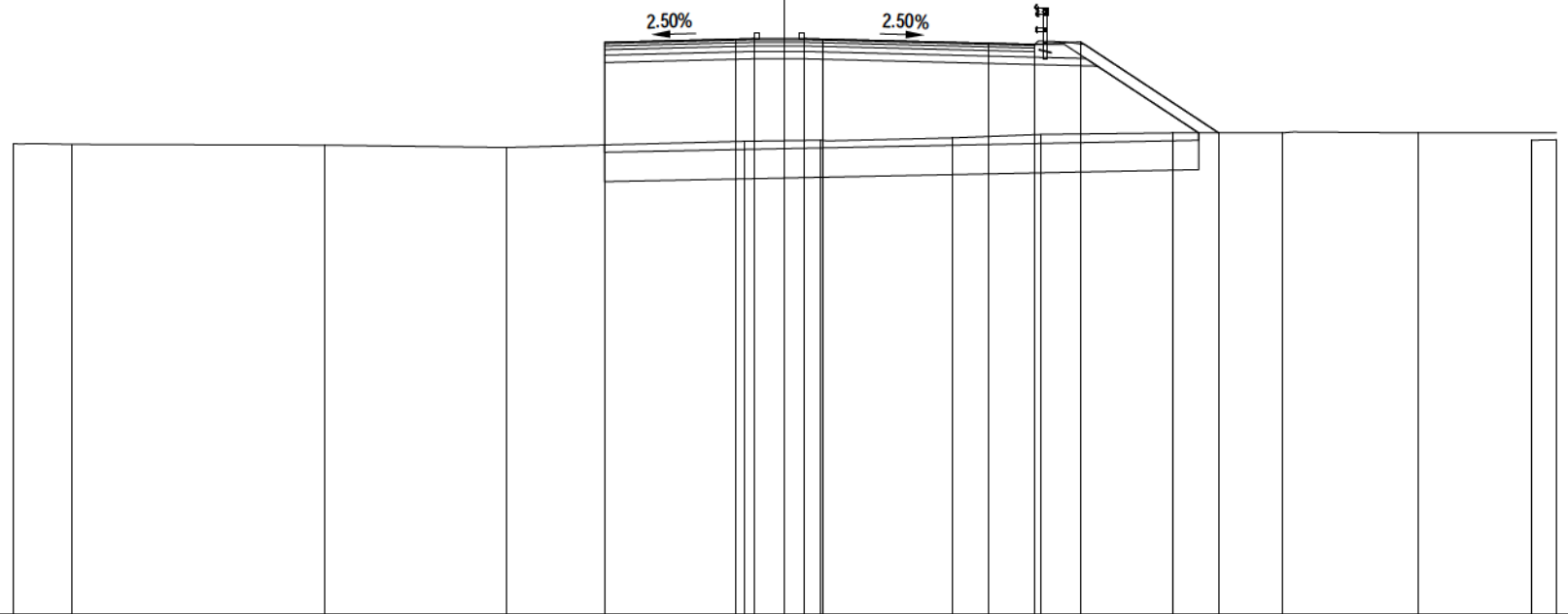
PROGRESSIVE TERRENO	-21.00	-17.96	-16.56	-14.03	-12.65	-11.52	-7.09	-4.37	-0.22	0.79	2.92	7.90	9.40	11.46	13.65	15.74	18.51	21.00
PARZIALI TERRENO		3.14	1.30	2.53	1.38	1.13	4.43	2.72	4.15	1.01	2.13	4.98	1.50	2.06	2.19	2.09	2.77	2.49
QUOTE TERRENO	61.59	61.59	61.82	61.62	61.60	61.57	61.40	61.75	61.43	61.38	61.28	60.81	60.76	60.68	60.59	60.51	60.40	60.30
PROGRESSIVE PROGETTO							-5.83	-2.27	-1.76	0.00	0.81	1.47	6.05	7.22	8.47	14.59		
PARZIALI PROGETTO							3.56	0.51	1.76	0.81	0.66	4.58	1.17	1.25	6.12			
QUOTE PROGETTO							64.58	64.67	64.68	64.68	64.67	64.55	64.52	64.59	60.55			

PROFILO Asse 80

SEZIONE 80-3

PROGRESSIVA 10.00

A RILEVATO	m <sup>2</sup>	31.00
AR ARIDO BONIFICA	m <sup>2</sup>	12.93
AS ARIDO SCOTICO	m <sup>2</sup>	3.47
BO BONIFICA	m <sup>2</sup>	12.93
D BASE	m <sup>2</sup>	1.17
E MISTO CEMENTATO	m <sup>2</sup>	1.76
G FONDAZIONE	m <sup>2</sup>	2.65
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.40
SC SCOTICO	m <sup>2</sup>	3.47
V VEGETALE	m <sup>2</sup>	1.37
a USURA	m	10.33
c BINDER	m	11.70



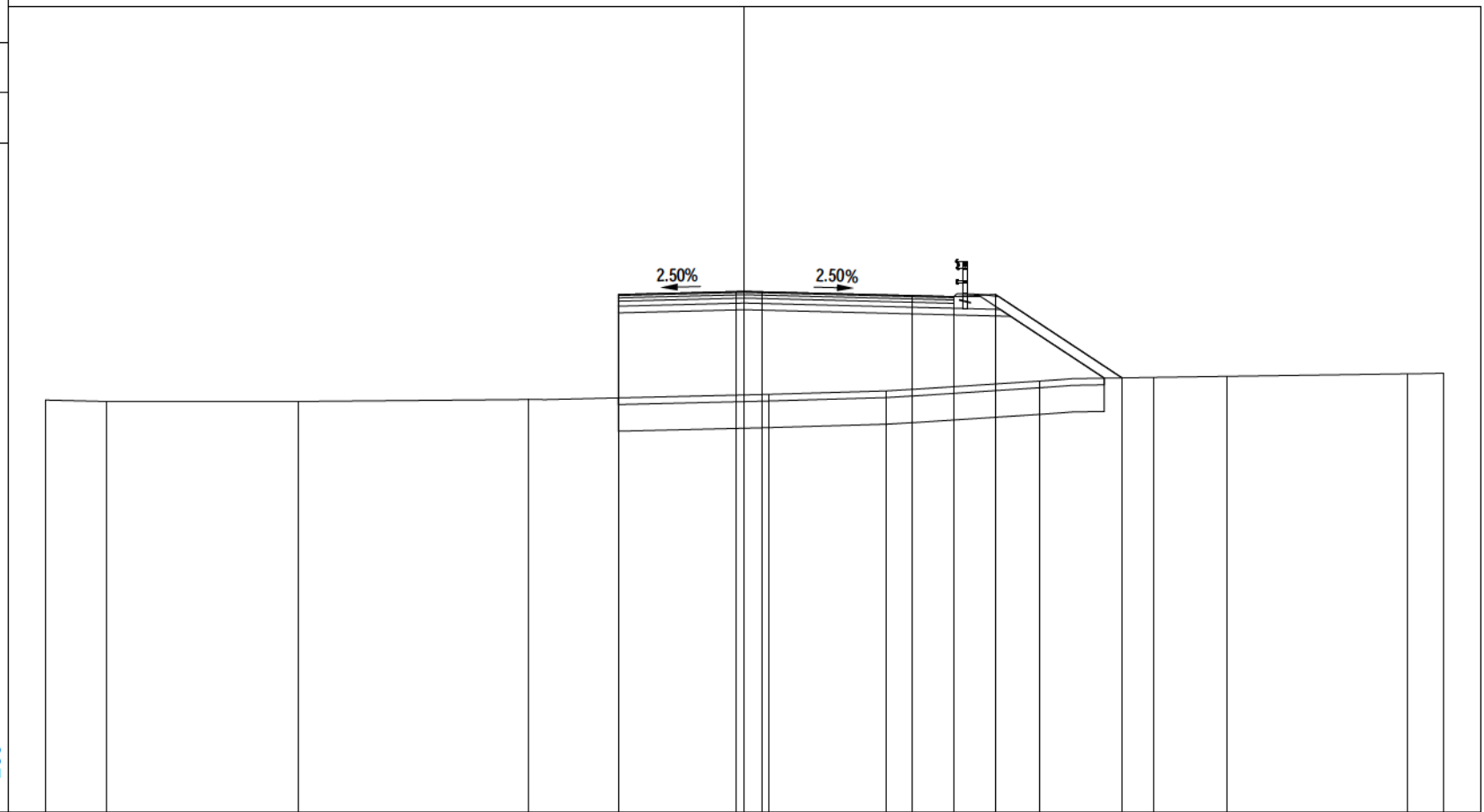
PROGRESSIVE TERRENO	-21.00	-19.38	-12.51	-7.57	-1.08	0.96	4.55	6.98	10.57	13.53	17.25	20.30	21.00	
PARZIALI TERRENO	1.62	6.87	4.94	6.49	2.04	3.59	2.43	3.59	2.96	3.72	3.19	0.30		
QUOTE TERRENO	61.80	61.78	61.76	61.69	61.86	61.89	61.96	62.05	62.09	62.09	62.09	61.89	61.91	
PROGRESSIVE PROGETTO					4.90	-1.34	-0.83	0.00	0.54	1.04	5.55	6.80	8.05	11.81
PARZIALI PROGETTO					3.56	0.51	0.83	0.54	0.50	4.51	1.25	1.25	3.76	
QUOTE PROGETTO					64.56	64.65	64.66	64.66	64.66	64.65	64.53	64.50	64.57	62.09

PROFILO Asse 80

SEZIONE 80-4

PROGRESSIVA 18.18

A RILEVATO	m <sup>2</sup>	30.96
AR ARIDO BONIFICA	m <sup>2</sup>	11.68
AS ARIDO SCOTICO	m <sup>2</sup>	2.92
BO BONIFICA	m <sup>2</sup>	11.68
D BASE	m <sup>2</sup>	1.01
E MISTO CEMENTATO	m <sup>2</sup>	1.51
G FONDAZIONE	m <sup>2</sup>	2.34
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.39
SC SCOTICO	m <sup>2</sup>	2.92
V VEGETALE	m <sup>2</sup>	1.41
a USURA	m	10.08
c BINDER	m	10.08



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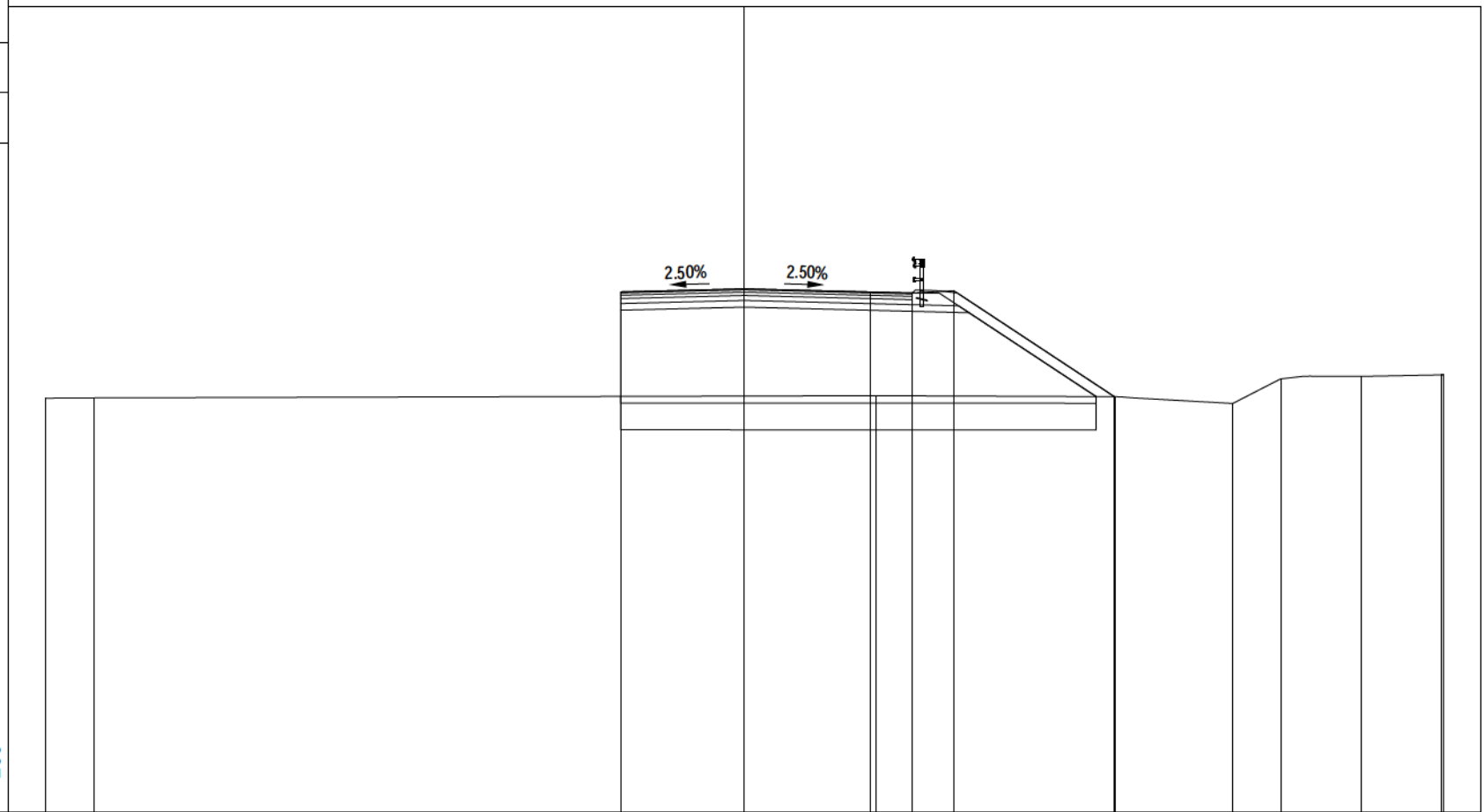
PROGRESSIVE TERRENO	-21.00	-19.17	-13.40	-6.49	0.72	4.26	8.86	12.29	14.50	19.90	21.00
PARZIALI TERRENO	1.83	5.77	6.91	7.21	3.54	4.60	3.43	2.21	5.40	1.10	
QUOTE TERRENO	61.37	61.32	61.32	61.38	61.54	61.64	61.94	62.05	62.08	62.15	62.17
PROGRESSIVE PROGETTO				-3.79	-0.25	0.53	5.04	6.29	7.54	11.34	
PARZIALI PROGETTO				3.54	0.78	4.51	1.25	1.25	3.80		
QUOTE PROGETTO				64.54	64.62	64.62	64.50	64.47	64.54	62.03	

PROFILO Asse 80

SEZIONE 80-5

PROGRESSIVA 38.18

A RILEVATO	m <sup>2</sup>	31.95
AR ARIDO BONIFICA	m <sup>2</sup>	11.41
AS ARIDO SCOTICO	m <sup>2</sup>	3.07
BO BONIFICA	m <sup>2</sup>	11.41
D BASE	m <sup>2</sup>	0.88
E MISTO CEMENTATO	m <sup>2</sup>	1.31
G FONDAZIONE	m <sup>2</sup>	2.06
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.40
SC SCOTICO	m <sup>2</sup>	3.07
V VEGETALE	m <sup>2</sup>	1.76
a USURA	m	8.75
c BINDER	m	8.75



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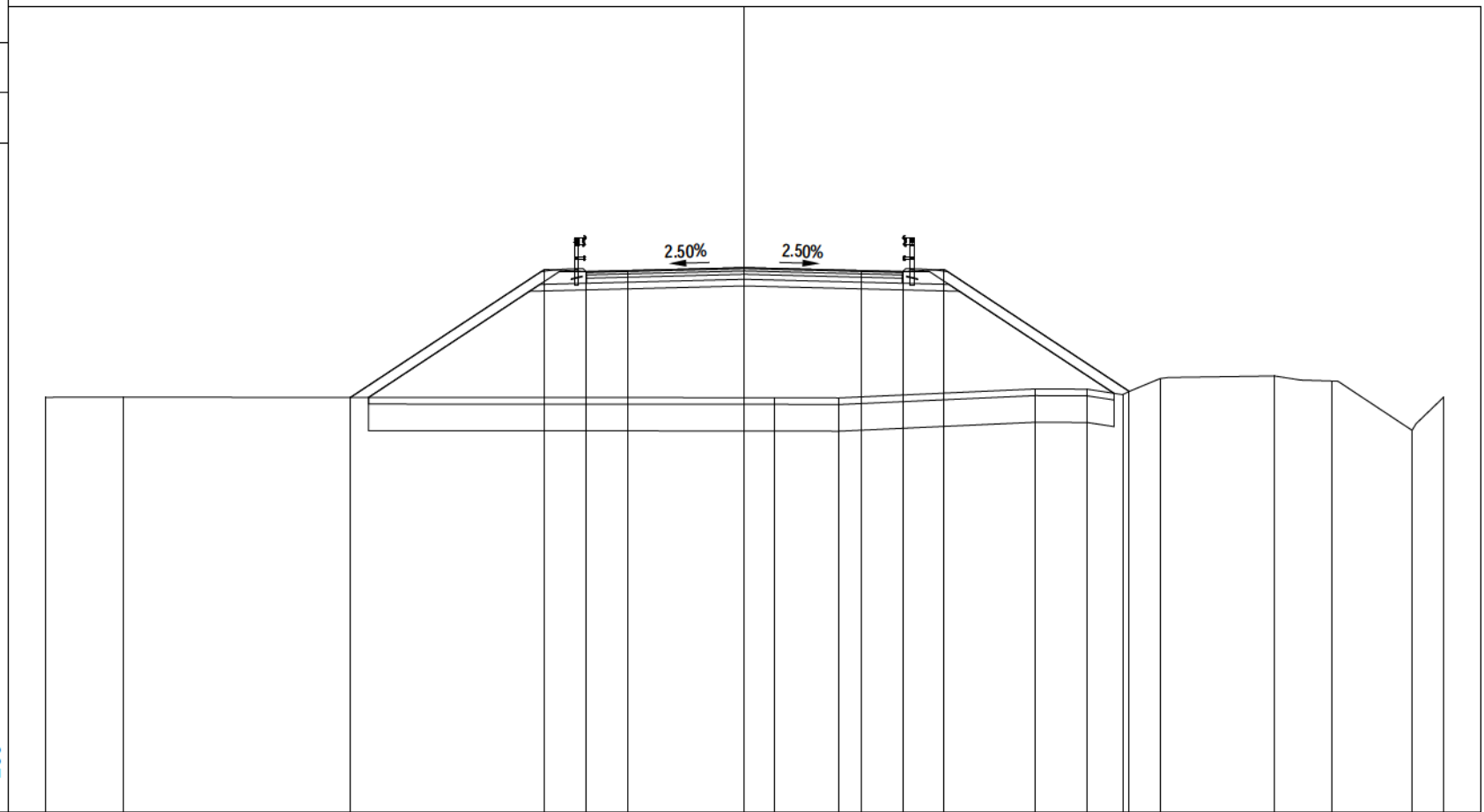
PROGRESSIVE TERRENO	-21.00	-19.55				3.94			11.15		14.66	16.10	18.51	20.93	21.00
PARZIALI TERRENO	1.45		23.49			7.21		3.51	1.44	2.41	2.49	0.07			
QUOTE TERRENO	61.42	61.43				61.50		61.47	61.26	62.00	62.08	62.13	62.12		
PROGRESSIVE PROGETTO				-3.71	0.00	3.79	5.04	6.29	11.11						
PARZIALI PROGETTO			3.71		3.79	1.25	1.25	4.82							
QUOTE PROGETTO			64.61	64.71	64.61	64.58	64.65	61.47							

PROFILO Asse 80

SEZIONE 80-6

PROGRESSIVA 58.18

A RILEVATO	m <sup>2</sup>	56.35
AR ARIDO BONIFICA	m <sup>2</sup>	17.91
AS ARIDO SCOTICO	m <sup>2</sup>	4.47
BO BONIFICA	m <sup>2</sup>	17.91
D BASE	m <sup>2</sup>	0.96
E MISTO CEMENTATO	m <sup>2</sup>	1.42
G FONDAZIONE	m <sup>2</sup>	2.54
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.80
SC SCOTICO	m <sup>2</sup>	4.47
V VEGETALE	m <sup>2</sup>	4.22
a USURA	m	9.50
c BINDER	m	9.50



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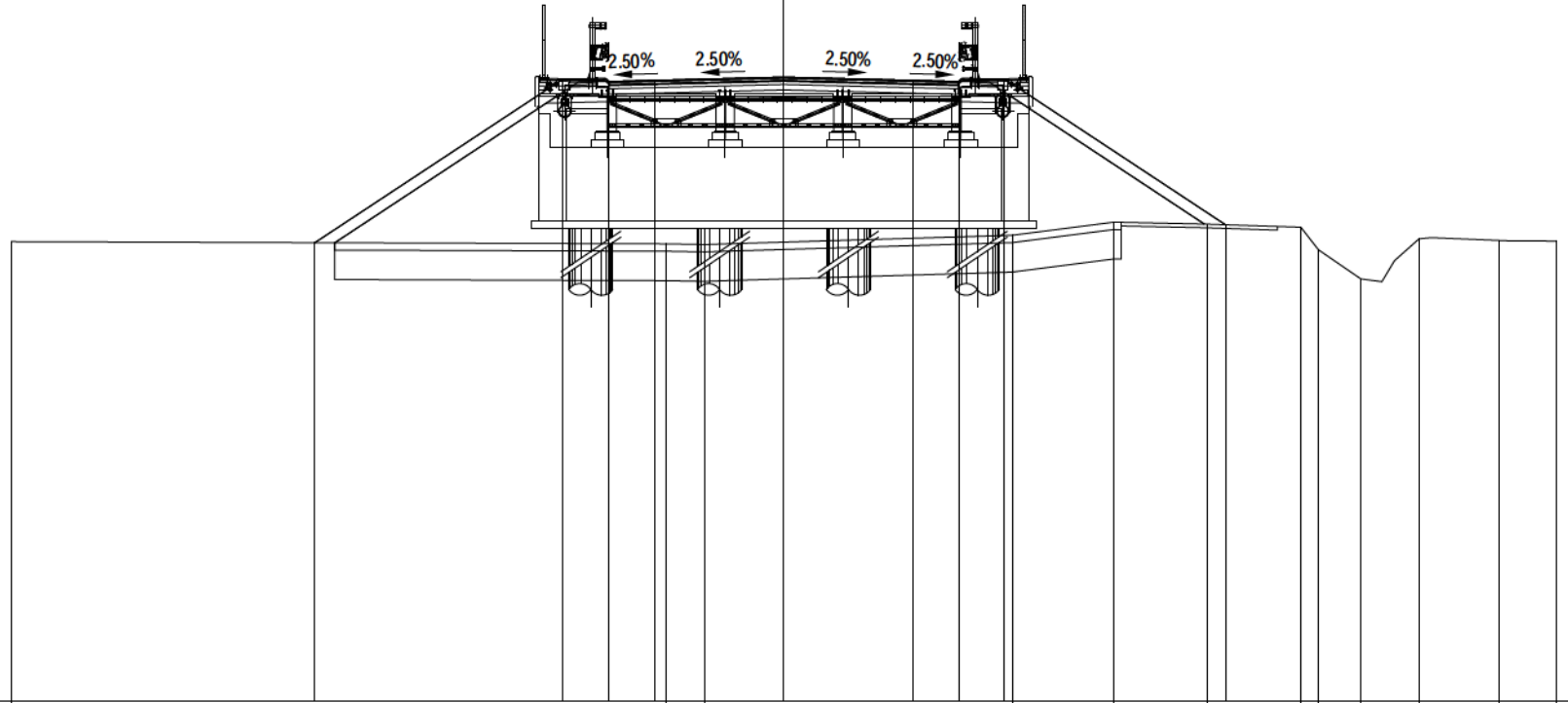
PROGRESSIVE TERRENO	-21.00	-18.64				0.89	2.84			8.72	10.30	11.36	12.48		15.92	17.62	20.05	21.00
PARZIALI TERRENO	2.36		19.53			1.95	5.88			1.58	1.06	1.12	3.44		1.70	2.43	0.95	
QUOTE TERRENO	61.45	61.45				61.44	61.43			61.70	61.69	61.53	62.01		62.09	61.94	60.46	61.46
PROGRESSIVE PROGETTO			-11.83			-6.00	-4.75	-3.50	0.00		3.50	4.75	6.00					11.56
PARZIALI PROGETTO			5.83			1.25	1.25	3.50			3.50	1.25	1.25		5.56			
QUOTE PROGETTO			61.45			65.29	65.22	65.26	65.34		65.26	65.22	65.29					61.63

PROFILO Asse 80

SEZIONE 80-7

PROGRESSIVA 75.38

A RILEVATO	m <sup>2</sup>	68.73
AR ARIDO BONIFICA	m <sup>2</sup>	4.30
AS ARIDO SCOTICO	m <sup>2</sup>	4.27
BO BONIFICA	m <sup>2</sup>	17.10
D BASE	m <sup>2</sup>	0.96
E MISTO CEMENTATO	m <sup>2</sup>	1.42
G FONDAZIONE	m <sup>2</sup>	2.52
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.80
SC SCOTICO	m <sup>2</sup>	4.27
V VEGETALE	m <sup>2</sup>	4.69
a USURA	m	9.50
c BINDER	m	9.50
f FRESATURA	m	4.24



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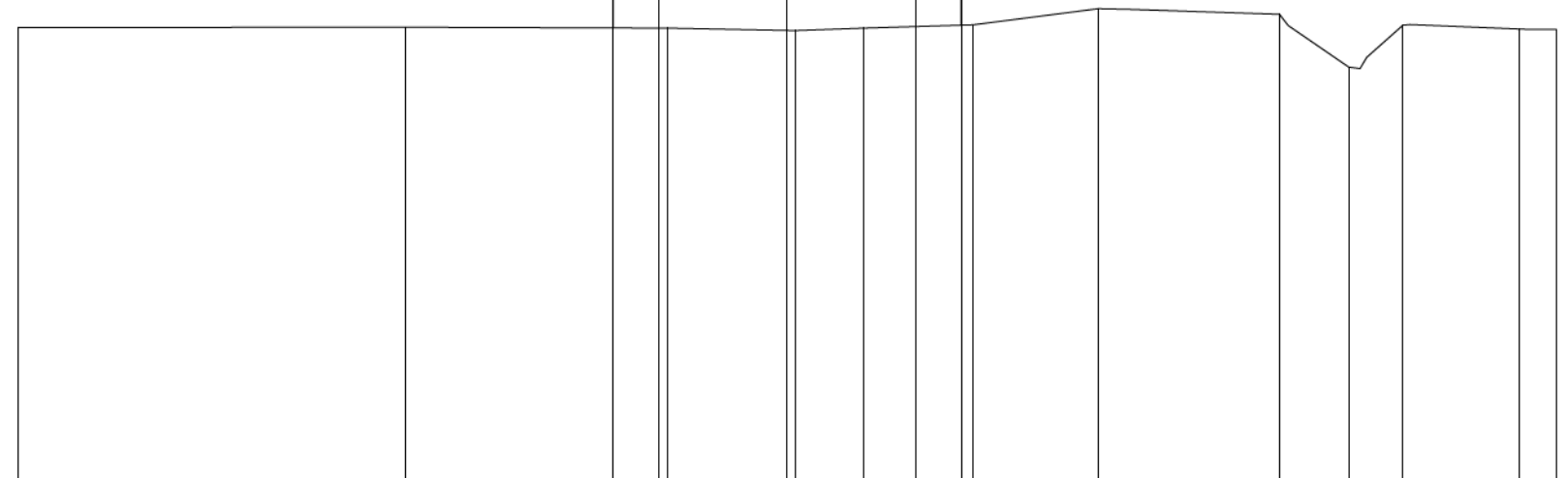
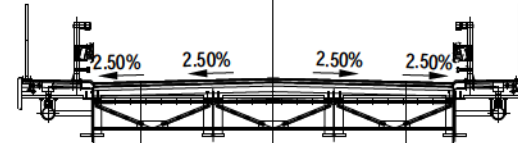
PROGRESSIVE TERRENO	-21.00			-3.19	-2.14		6.21	8.97	11.50	14.05	14.53	15.68	17.26	19.42	21.00	
PARZIALI TERRENO		17.81		1.05		8.35		2.76	2.53	2.55	0.48	1.15	1.58	2.16	1.58	
QUOTE TERRENO	61.47			61.41	61.39		61.65	62.00	61.95		61.87	61.25	60.46	61.55	61.51	61.49
PROGRESSIVE PROGETTO		-12.74		-6.00	-4.75	-3.50	0.00	3.50	4.75	6.00		12.00				
PARZIALI PROGETTO		6.74		1.25	1.25	3.50		3.50	1.25	1.25	6.00					
QUOTE PROGETTO	61.45			65.89	65.83	65.86	65.94	65.86	65.83	65.89	61.93					



PROFILO Asse 80

SEZIONE 80-8

PROGRESSIVA 78.18



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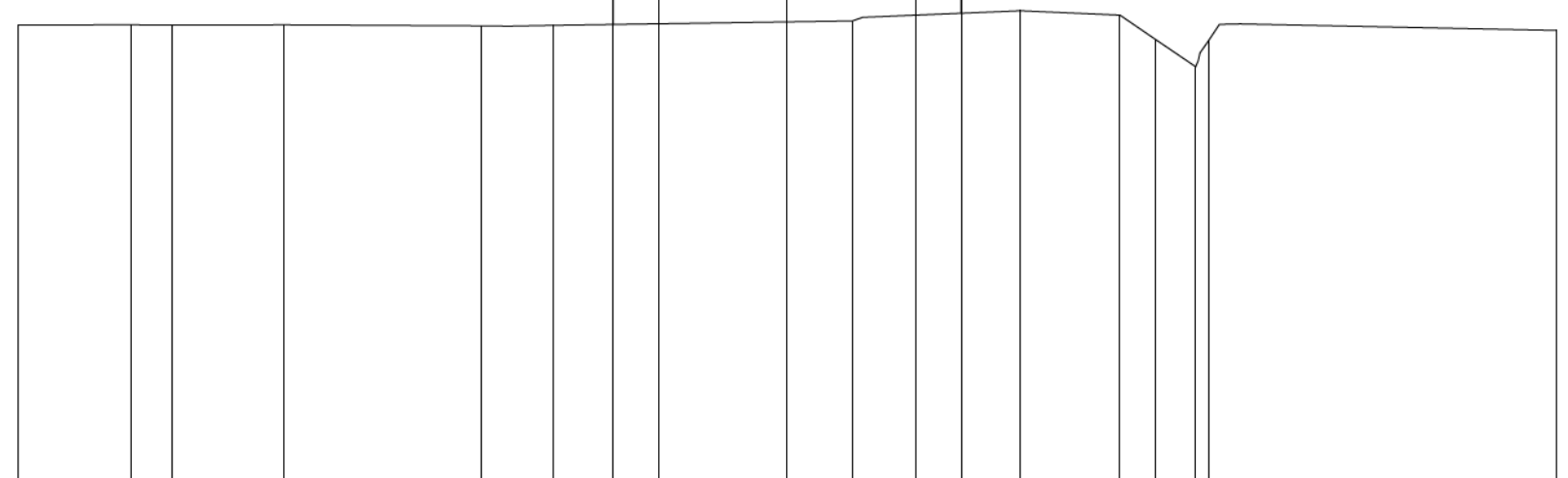
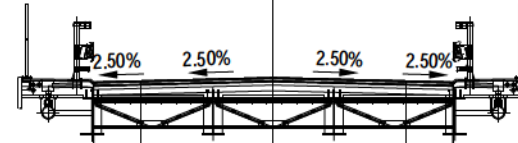
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PROGRESSIVE TERRENO	-21.00	-10.42	-3.25	0.21	2.10	5.08	8.49	13.44	15.33	16.80	19.98	21.00
PARZIALI TERRENO		10.58	7.17	3.46	1.89	2.98	3.41	4.95	1.89	1.47	3.18	1.02
QUOTE TERRENO	61.49	61.50	61.48	61.41	61.48	61.57	62.01	61.86	60.41	61.56	61.45	61.44
PROGRESSIVE PROGETTO			-4.75	-3.50	0.00	3.50	4.75					
PARZIALI PROGETTO			1.25	3.50	3.50	1.25						
QUOTE PROGETTO			65.92	65.96	66.04	65.96	65.92					

PROFILO Asse 80

SEZIONE 80-9

PROGRESSIVA 98.18



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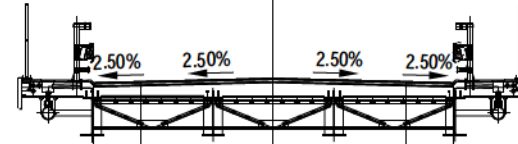
PROGRESSIVE TERRENO	-21.00	-17.90	-16.79	-13.73	-8.36	-6.37		1.78		6.37	9.08	10.05	11.15	11.49		21.00
PARZIALI TERRENO		3.10	1.11	3.06	5.37	1.99		8.15		4.59	2.71	0.97	1.10	0.34		9.51
QUOTE TERRENO	61.56	61.57	61.56	61.57	61.54	61.55		61.67		61.95	61.83	61.17	60.43	61.13		61.41
PROGRESSIVE PROGETTO								-4.75	-3.50	0.00	3.50	4.75				
PARZIALI PROGETTO								1.25	3.50	3.50	1.25					
QUOTE PROGETTO								66.58	66.61	66.70	66.61	66.58				



PROFILO Asse 80

SEZIONE 80-11

PROGRESSIVA 138.18



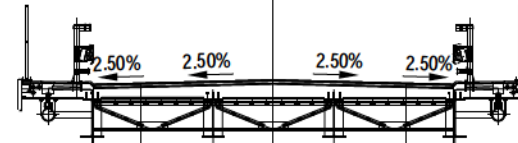
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PROGRESSIVE TERRENO	-21.00	-19.57	-12.30	-8.72	-4.06	-3.03	0.81	2.19	3.85	4.85	6.71	11.68	12.86	20.82	21.00
PARZIALI TERRENO	1.43	7.27	3.58	4.66	1.03	3.84	1.38	1.66	1.00	1.86	4.97	1.18	7.96	0.18	
QUOTE TERRENO	61.54	61.54	61.56	61.51	61.78	61.83	62.13	62.13	61.24	60.48	61.68	61.39	61.34	61.40	61.40
PROGRESSIVE PROGETTO					-4.75	-3.50	0.00		3.50	4.75					
PARZIALI PROGETTO					1.25	3.50		3.50	1.25						
QUOTE PROGETTO					67.20	67.23	67.32		67.23	67.20					

PROFILO Asse 80

SEZIONE 80-12

PROGRESSIVA 158.18



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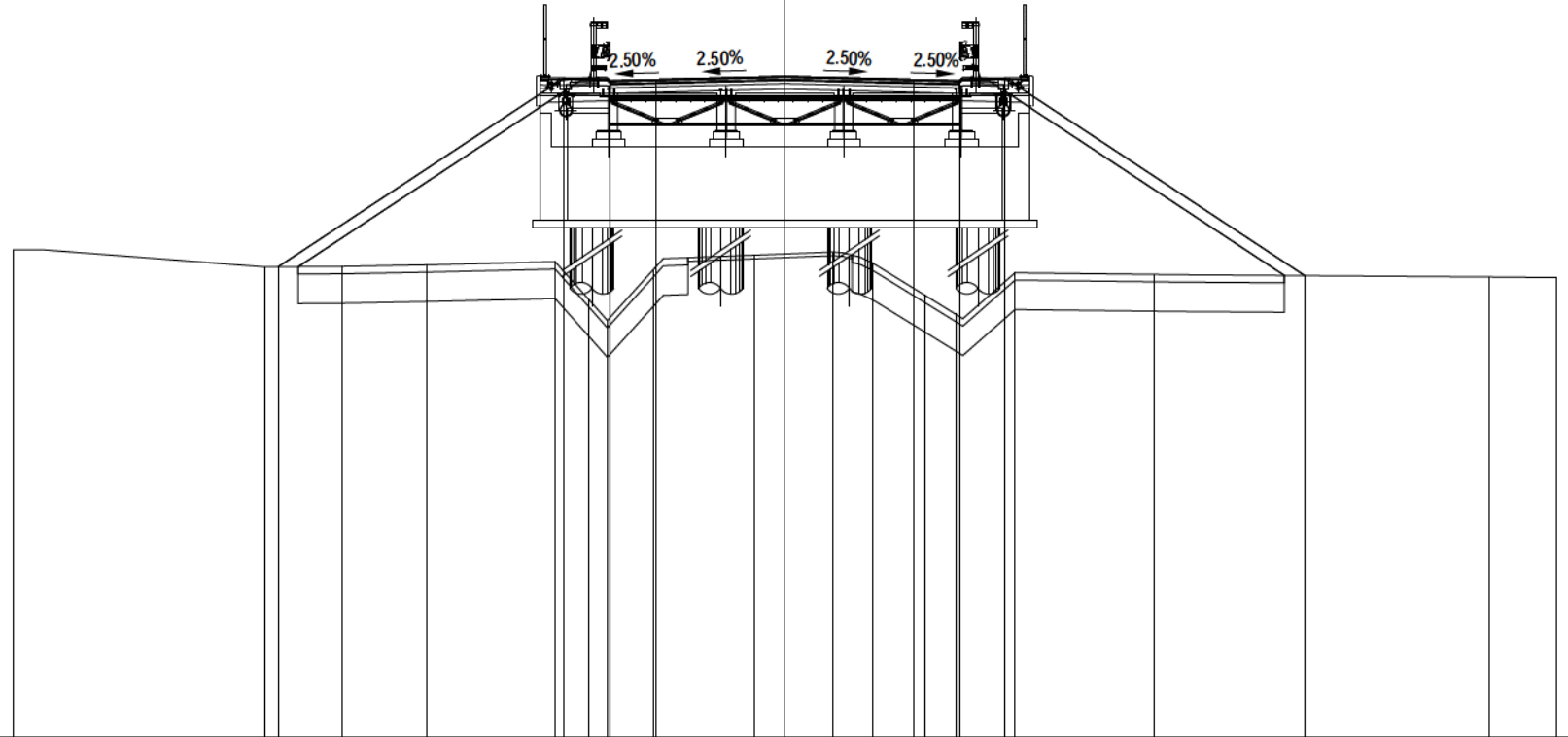
PROGRESSIVE TERRENO	-21.00	-13.07	-11.19	-7.46	-4.37	-3.29		2.62	3.41	4.86	5.37	5.90	9.45	14.17	19.52	21.00
PARZIALI TERRENO		7.93	1.88	3.73	3.09	1.08	5.91	0.79	1.45	0.51	0.53	3.55	4.72	5.35	1.48	
QUOTE TERRENO	61.89	61.88	61.65	61.70	61.75	61.98		61.86	61.31	60.40	60.91	61.57	61.48	61.54	61.47	61.46
PROGRESSIVE PROGETTO					-4.75	-3.50	0.00	3.50	4.75							
PARZIALI PROGETTO					1.25	3.50		3.50	1.25							
QUOTE PROGETTO					67.13	67.16	67.25	67.16	67.13							

PROFILO Asse 80

SEZIONE 80-13

PROGRESSIVA 176.38

A RILEVATO	m <sup>2</sup>	93.08
AR ARIDO BONIFICA	m <sup>2</sup>	7.22
AS ARIDO SCOTICO	m <sup>2</sup>	4.47
BO BONIFICA	m <sup>2</sup>	17.89
D BASE	m <sup>2</sup>	0.96
E MISTO CEMENTATO	m <sup>2</sup>	1.42
G FONDAZIONE	m <sup>2</sup>	2.52
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.80
SC SCOTICO	m <sup>2</sup>	4.47
V VEGETALE	m <sup>2</sup>	5.71
a USURA	m	9.50
c BINDER	m	9.50
f FRESATURA	m	4.48



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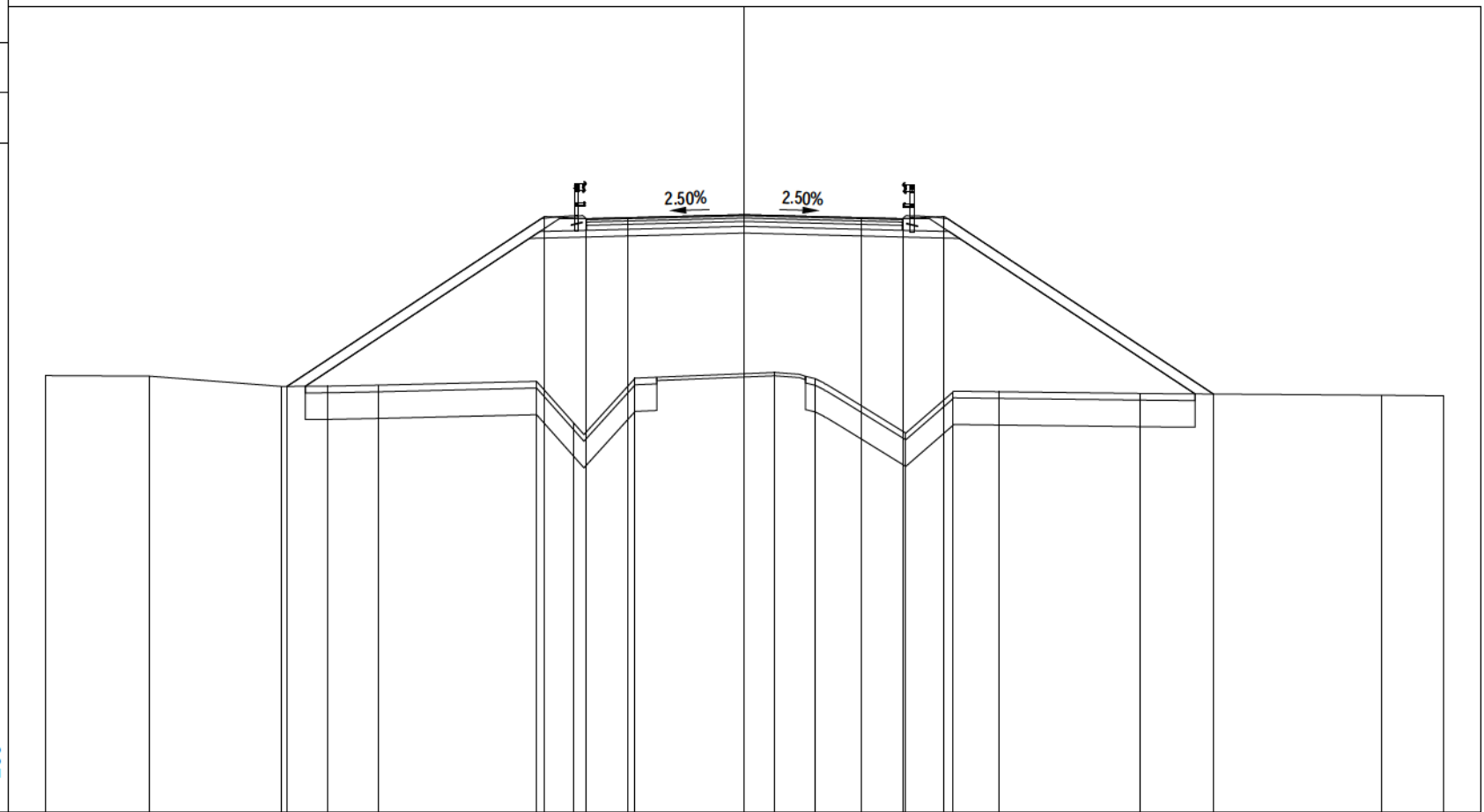
PROGRESSIVE TERRENO	-21.00	-14.15	-12.05	-9.74	-6.24	-5.32	-4.83	-3.57	-0.83	1.32	2.40	3.81	4.65	6.27	10.04	19.15	21.00
PARZIALI TERRENO		6.85	2.10	2.31	3.50	0.92	0.49	1.26	2.74	2.15	1.08	1.41	0.84	1.62	3.77	9.11	1.85
QUOTE TERRENO	62.25	61.78	61.79	61.84	61.92	60.88	60.32	61.71	62.10	62.19	61.88	61.01	60.50	61.62	61.58	61.51	61.49
PROGRESSIVE PROGETTO		-13.78			-6.00	-4.75	-3.50		0.00		3.50	4.75	6.00			14.15	
PARZIALI PROGETTO				7.78	1.25	1.25		3.50		3.50	1.25	1.25		8.15			
QUOTE PROGETTO		61.78			66.92	66.85	66.88		66.97		66.88	66.85	66.92			61.54	

PROFILO Asse 80

SEZIONE 80-14

PROGRESSIVA 178.18

A RILEVATO	m <sup>2</sup>	91.83
AR ARIDO BONIFICA	m <sup>2</sup>	7.03
AS ARIDO SCOTICO	m <sup>2</sup>	4.45
BO BONIFICA	m <sup>2</sup>	17.80
D BASE	m <sup>2</sup>	0.96
E MISTO CEMENTATO	m <sup>2</sup>	1.42
G FONDAZIONE	m <sup>2</sup>	2.52
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.80
SC SCOTICO	m <sup>2</sup>	4.45
V VEGETALE	m <sup>2</sup>	5.75
a USURA	m	9.50
c BINDER	m	9.50
f FRESATURA	m	4.47



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PROGRESSIVE TERRENO	-21.00	-17.86	-13.90	-12.51	-10.99	-6.24	-5.12	-3.28	0.91	2.12	4.84	6.24	7.64	11.87	19.14	21.00
PARZIALI TERRENO		3.14	3.96	1.39	1.52	4.75	1.12	1.84	4.19	1.21	2.72	1.40	1.40	4.23	7.27	1.86
QUOTE TERRENO	62.10	62.08	61.78	61.78	61.81	61.93	60.67	62.02	62.19	62.01	60.37	61.59	61.62	61.57	61.51	61.49
PROGRESSIVE PROGETTO			-13.73			-6.00	-4.75	-3.50	0.00		3.50	4.75	6.00		14.08	
PARZIALI PROGETTO					7.73	1.25	1.25	3.50		3.50	1.25	1.25		8.08		
QUOTE PROGETTO			61.78			66.88	66.81	66.84	66.93		66.84	66.81	66.88		61.55	





PROFILO Asse 80

SEZIONE 80-16

PROGRESSIVA 218.18

A RILEVATO	m <sup>2</sup>	28.60
AR ARIDO BONIFICA	m <sup>2</sup>	0.18
AS ARIDO SCOTICO	m <sup>2</sup>	0.77
BO BONIFICA	m <sup>2</sup>	3.11
D BASE	m <sup>2</sup>	0.83
E MISTO CEMENTATO	m <sup>2</sup>	1.24
G FONDAZIONE	m <sup>2</sup>	1.65
SC SCOTICO	m <sup>2</sup>	0.77
a USURA	m	8.25
c BINDER	m	8.25
f FRESATURA	m	4.37

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PROGRESSIVE TERRENO	-21.00	-14.48	-7.18	-5.71	-4.74	-4.25	-3.34	-1.34	1.08	2.25	3.14	4.27	5.28	5.69	6.88	14.60	19.75	21.00	
PARZIALI TERRENO		6.52		7.30	1.47	0.97	0.49	0.91	2.00	2.42	1.17	0.89	1.13	1.01	0.41	1.19	7.72	5.15	1.25
QUOTE TERRENO	61.80	61.80	62.13	61.42	60.39	60.90	61.86	62.07	61.98	61.93	60.94	60.60	60.80	61.43	61.57	61.47	61.46	61.45	
PROGRESSIVE PROGETTO						-3.50		0.00			3.50	4.75							
PARZIALI PROGETTO								3.50		3.50		1.25							
QUOTE PROGETTO			65.68					65.77			65.68	65.65							

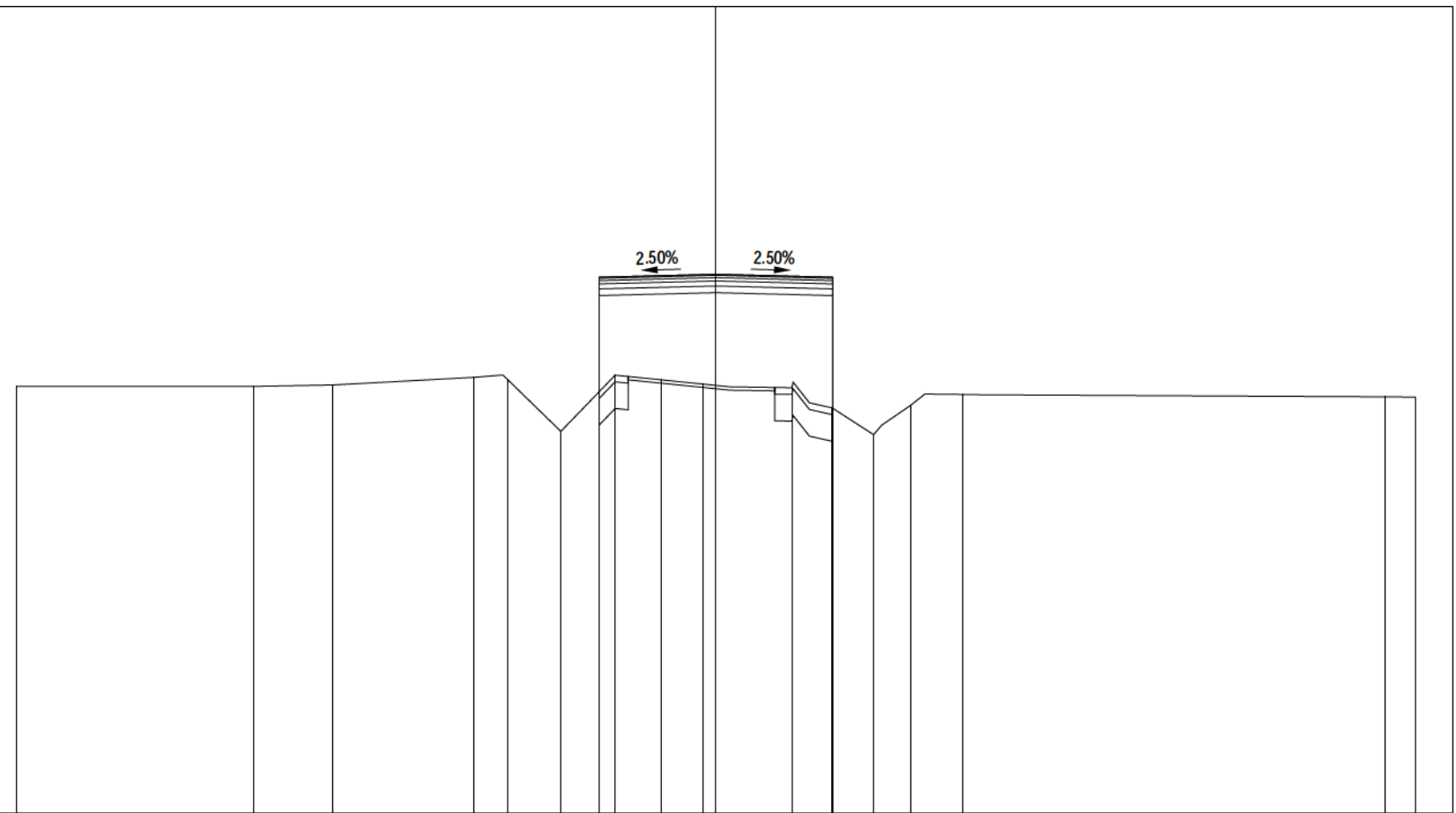
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PROFILO Asse 80

SEZIONE 80-17

PROGRESSIVA 238.18

A RILEVATO	m <sup>2</sup>	19.32
AR ARIDO BONIFICA	m <sup>2</sup>	2.09
AS ARIDO SCOTICO	m <sup>2</sup>	0.51
BO BONIFICA	m <sup>2</sup>	2.09
D BASE	m <sup>2</sup>	0.68
E MISTO CEMENTATO	m <sup>2</sup>	1.06
G FONDAZIONE	m <sup>2</sup>	1.40
SC SCOTICO	m <sup>2</sup>	0.51
a USURA	m	7.00
c BINDER	m	7.00
f FRESATURA	m	4.42



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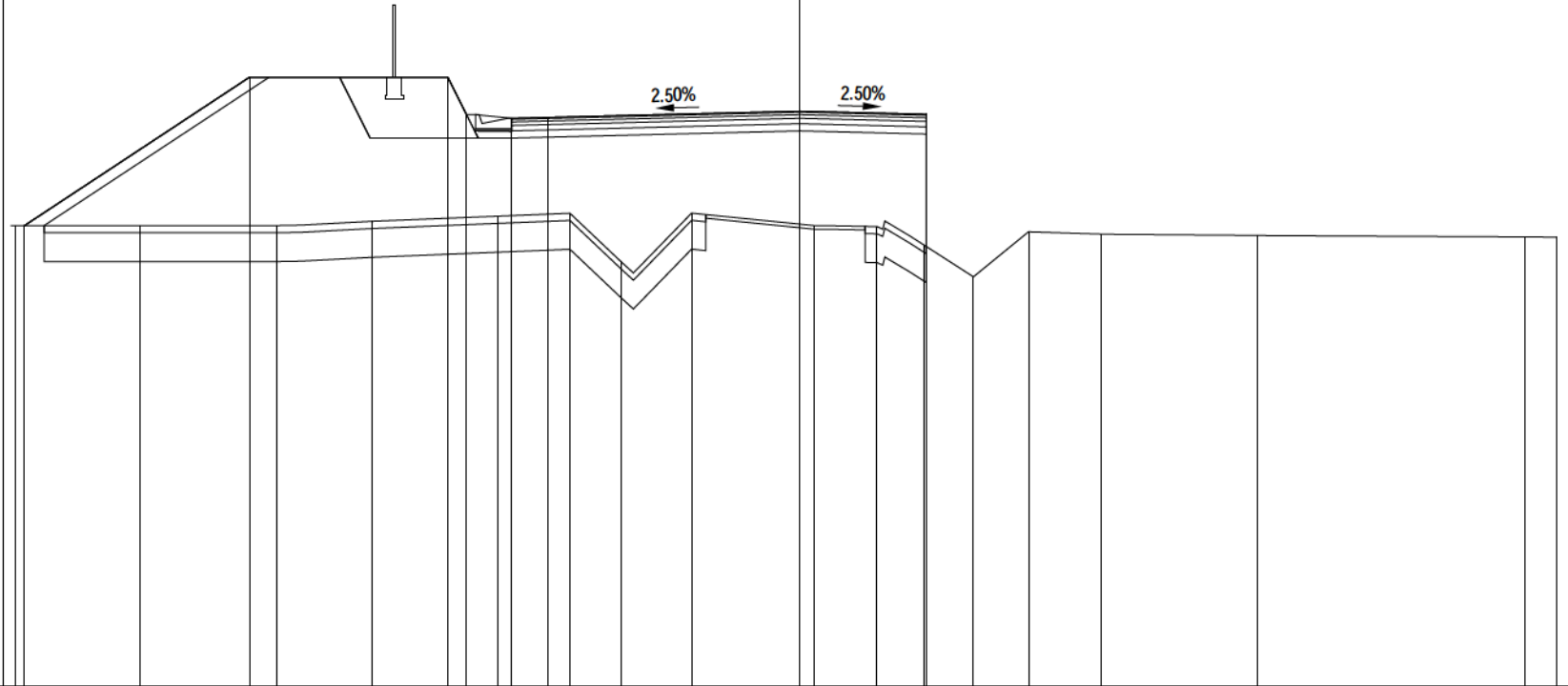
PROGRESSIVE TERRENO	-21.00	-13.87	-11.50	-7.27	-6.25	-4.65	-3.02	-1.64	-0.40	2.28	3.49	4.73	5.84	7.41	20.08	21.00
PARZIALI TERRENO	7.13	2.37	4.23	1.02	1.60	1.63	1.38	1.24	2.68	1.21	1.24	1.11	1.57	12.67	0.92	
QUOTE TERRENO	61.79	61.79	61.83	62.06	62.00	60.44	62.13	61.99	61.86	61.75	61.15	60.34	61.22	61.55	61.48	61.47
PROGRESSIVE PROGETTO							-3.50		0.00		3.50					
PARZIALI PROGETTO								3.50		3.50						
QUOTE PROGETTO							65.07		65.15		65.07					

PROFILO Asse 80

SEZIONE 80-18

PROGRESSIVA 244.64

A RILEVATO	m <sup>2</sup>	62.33
AR ARIDO BONIFICA	m <sup>2</sup>	2.91
AS ARIDO SCOTICO	m <sup>2</sup>	4.00
BO BONIFICA	m <sup>2</sup>	16.05
D BASE	m <sup>2</sup>	1.15
E MISTO CEMENTATO	m <sup>2</sup>	1.73
G FONDAZIONE	m <sup>2</sup>	2.49
RS RILEVATO STRUTTURALE	m <sup>2</sup>	5.08
SC SCOTICO	m <sup>2</sup>	4.00
W VEGETALE DUNA	m <sup>2</sup>	2.19
a USURA	m	11.50
c BINDER	m	11.50
f FRESATURA	m	4.43
ta TERRE ARMATE	m	1.89



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PROGRESSIVE TERRENO	-21.75	-18.30	-14.51	-11.88	-8.39	-6.38	-4.97	-3.01	0.39	2.14	3.45	4.81	6.34	8.35	12.69	20.10	21.00
PARZIALI TERRENO		3.45	3.79	2.63	3.49	2.01	1.41	1.96	3.40	1.75	1.31	1.36	1.53	2.01	4.34	7.41	0.90
QUOTE TERRENO	61.77	61.78	61.78	61.89	62.04	62.12	60.78	62.12	61.78	61.75	61.23	60.35	61.60	61.54	61.50	61.46	61.45
PROGRESSIVE PROGETTO	-21.51		-15.27		-9.77	-9.25	-8.00	-7.00	0.00		3.50						
PARZIALI PROGETTO		6.24		5.50	0.52	1.25	1.00		7.00		3.50						
QUOTE PROGETTO	61.77		65.89		65.89	64.85	64.75	64.78	64.95		64.87						

PROFILO Asse 80

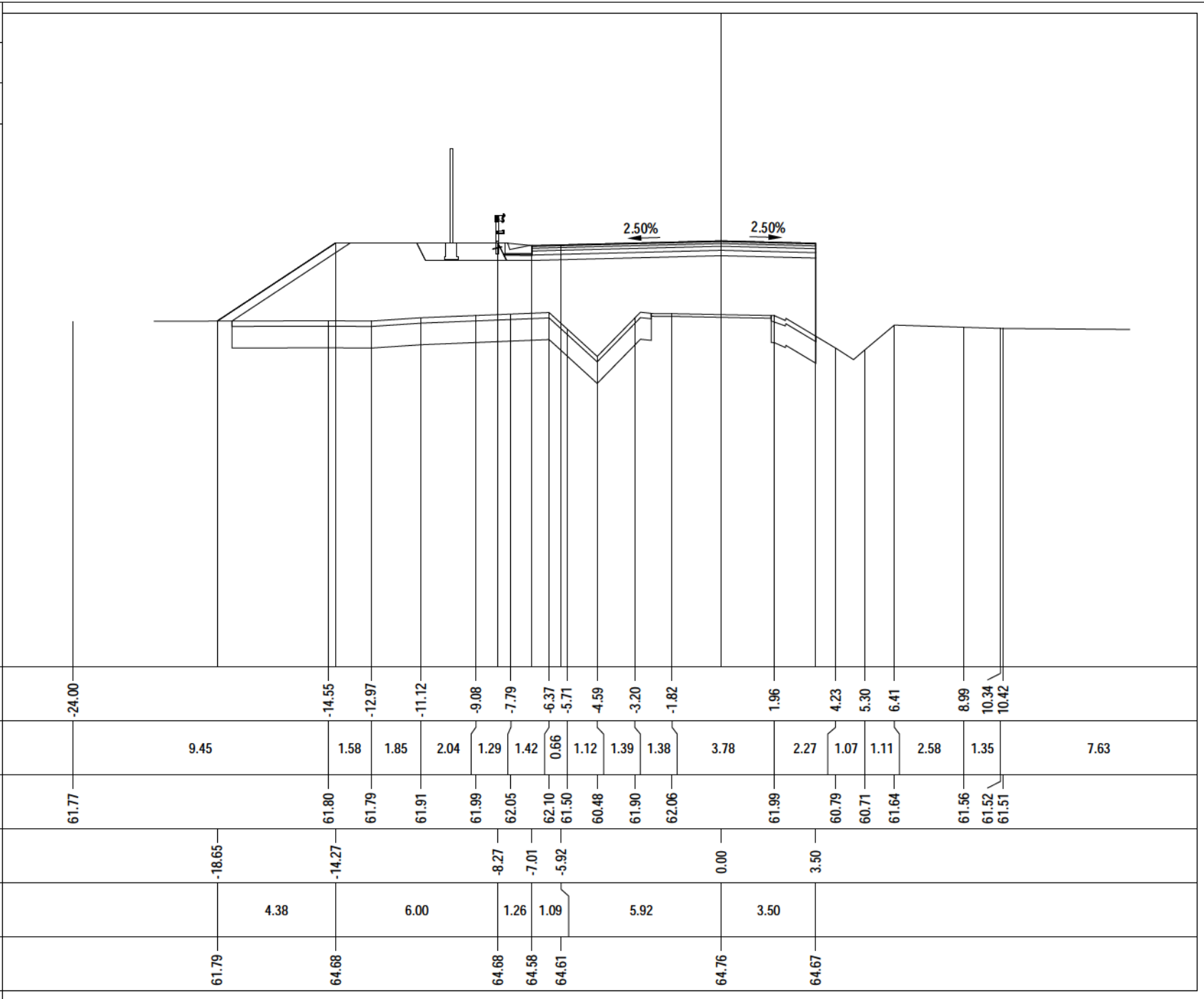
SEZIONE 80-19

PROGRESSIVA 251.10

A RILEVATO	m <sup>2</sup>	47.23
AR ARIDO BONIFICA	m <sup>2</sup>	2.56
AS ARIDO SCOTICO	m <sup>2</sup>	3.45
BO BONIFICA	m <sup>2</sup>	13.72
D BASE	m <sup>2</sup>	1.06
E MISTO CEMENTATO	m <sup>2</sup>	1.57
G FONDAZIONE	m <sup>2</sup>	2.29
RS RILEVATO STRUTTURALE	m <sup>2</sup>	1.95
SC SCOTICO	m <sup>2</sup>	3.45
W VEGETALE DUNA	m <sup>2</sup>	1.57
a USURA	m	10.51
c BINDER	m	10.51
f FRESATURA	m	4.44
ta TERRE ARMATE	m	0.72

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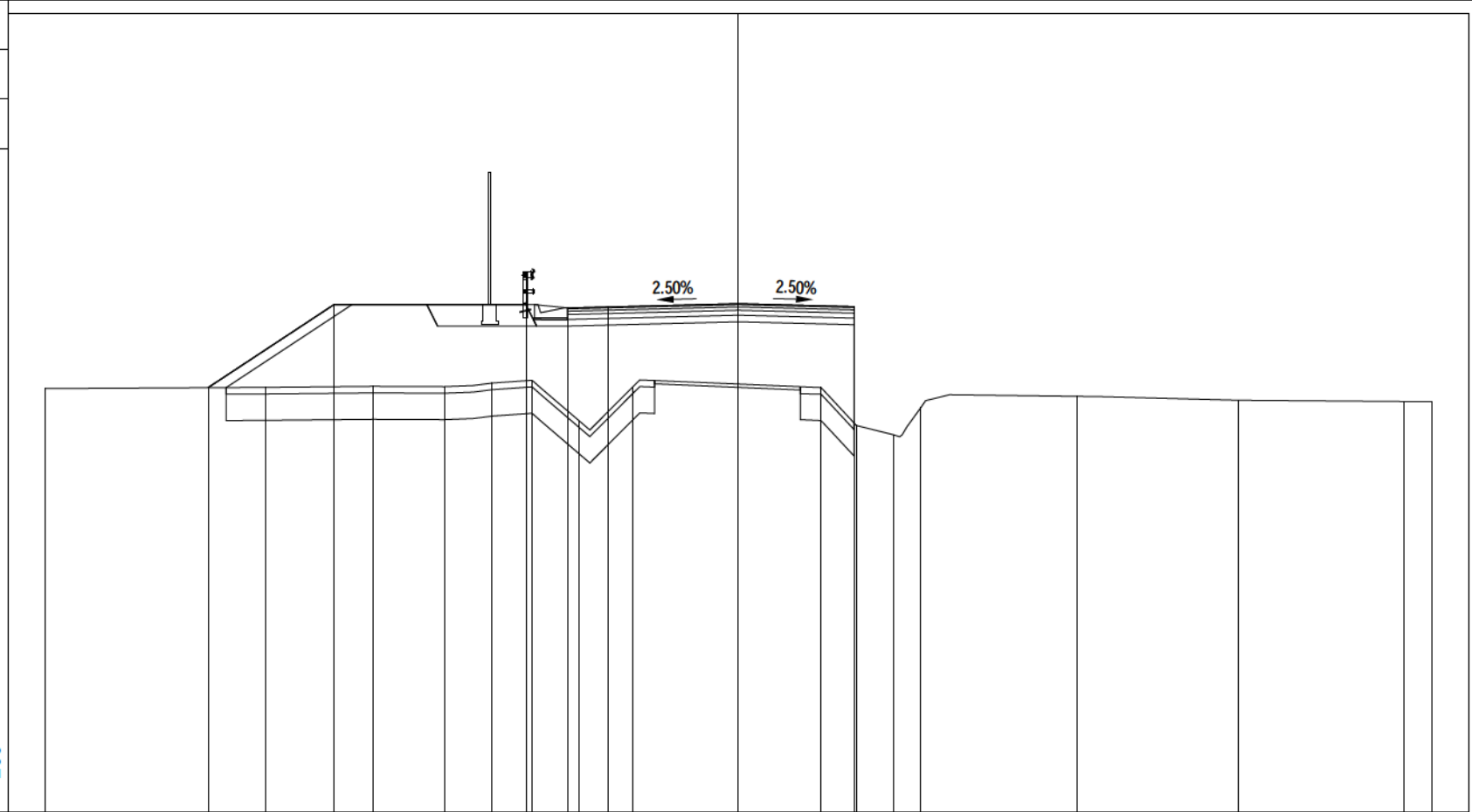


PROFILO Asse 80

SEZIONE 80-21

PROGRESSIVA 262.95

A RILEVATO	m <sup>2</sup>	36.46
AR ARIDO BONIFICA	m <sup>2</sup>	2.59
AS ARIDO SCOTICO	m <sup>2</sup>	2.91
BO BONIFICA	m <sup>2</sup>	11.69
D BASE	m <sup>2</sup>	0.86
E MISTO CEMENTATO	m <sup>2</sup>	1.31
G FONDAZIONE	m <sup>2</sup>	1.92
RS RILEVATO STRUTTURALE	m <sup>2</sup>	1.95
SC SCOTICO	m <sup>2</sup>	2.91
W VEGETALE DUNA	m <sup>2</sup>	1.35
a USURA	m	8.67
c BINDER	m	8.67
f FRESATURA	m	4.41
ta TERRE ARMATE	m	0.72



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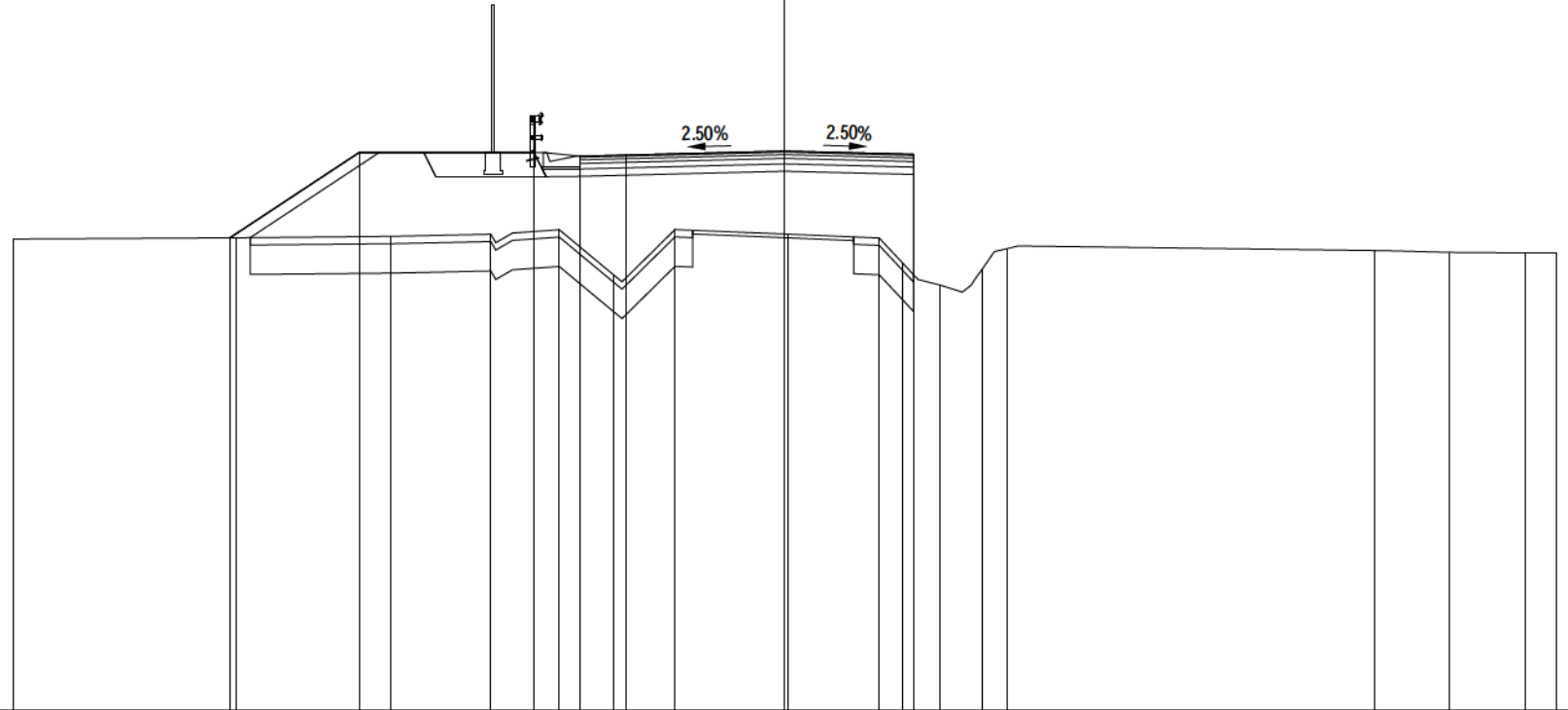
PROGRESSIVE TERRENO	-21.00	-14.31	-11.06	-8.91	-7.45	-6.25	-4.83	-3.21		2.50	3.57	4.69	5.53	10.25	15.13	20.14	21.00
PARZIALI TERRENO		6.69	3.25	2.15	1.46	1.20	1.42	1.62	5.71	1.07	1.12	0.84		4.72	4.88	5.01	0.86
QUOTE TERRENO	61.82	61.86	61.89	61.88	61.99	62.07	60.85	61.86		61.85	60.70	60.42	61.25	61.59	61.47	61.43	61.43
PROGRESSIVE PROGETTO		-16.05	-12.24			-6.43	-5.17	-3.93	0.00		3.50						
PARZIALI PROGETTO		3.81		5.81		1.26	1.24	3.93		3.50							
QUOTE PROGETTO		61.85	64.36			64.36	64.26	64.30	64.39		64.31						

PROFILO Asse 80

SEZIONE 80-22

PROGRESSIVA 269.42

A RILEVATO	m <sup>2</sup>	30.92
AR ARIDO BONIFICA	m <sup>2</sup>	2.22
AS ARIDO SCOTICO	m <sup>2</sup>	2.71
BO BONIFICA	m <sup>2</sup>	10.94
D BASE	m <sup>2</sup>	0.91
E MISTO CEMENTATO	m <sup>2</sup>	1.36
G FONDAZIONE	m <sup>2</sup>	2.00
RS RILEVATO STRUTTURALE	m <sup>2</sup>	1.98
SC SCOTICO	m <sup>2</sup>	2.71
W VEGETALE DUNA	m <sup>2</sup>	1.25
a USURA	m	9.07
c BINDER	m	9.07
f FRESATURA	m	4.39
ta TERRE ARMATE	m	0.74



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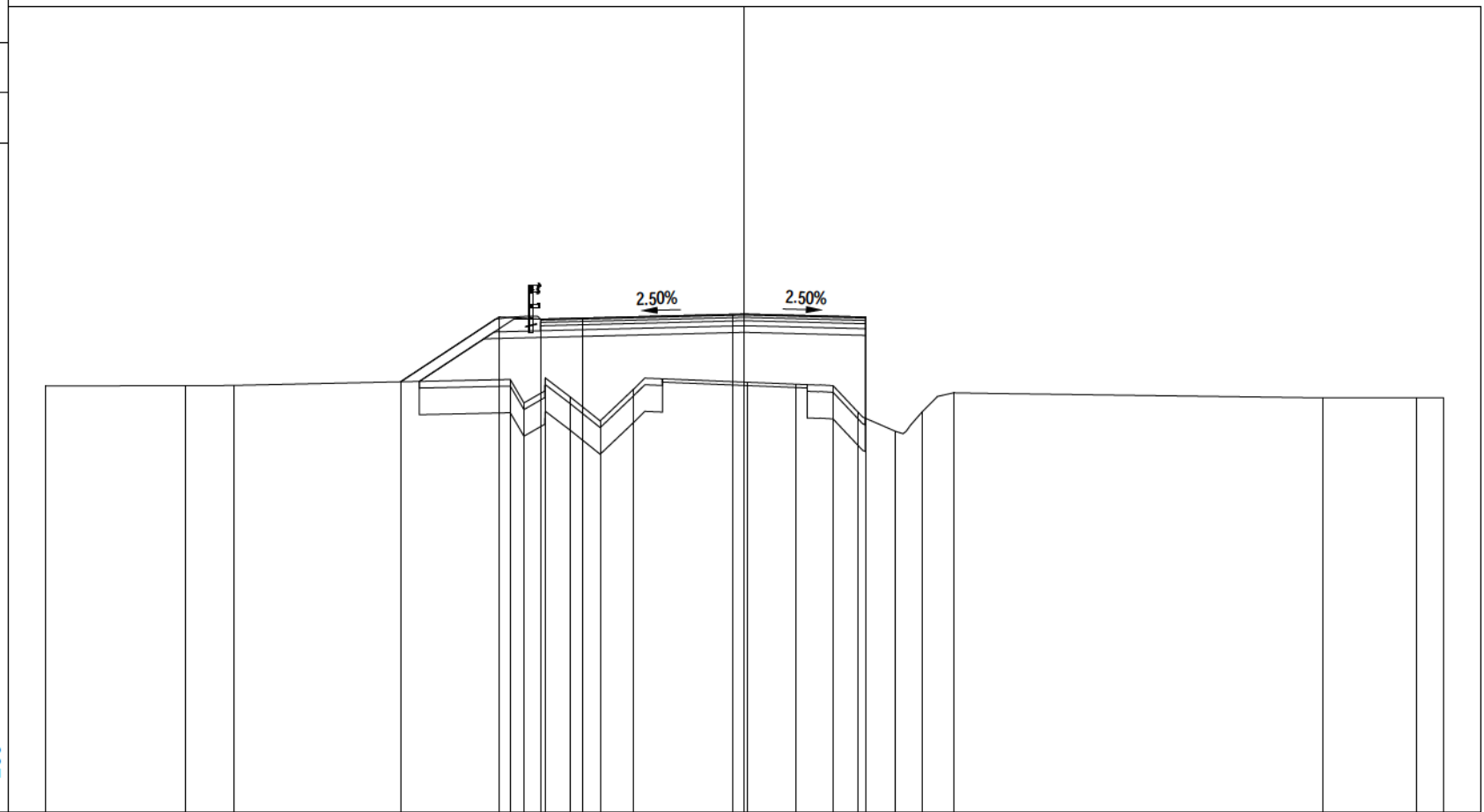
PROGRESSIVE TERRENO	-21.00	-14.93	-10.70	-7.99	-6.13	-4.64	-2.99	0.08	2.57	3.19	4.22	5.38	6.04	16.06	18.07	20.15	21.00
PARZIALI TERRENO	6.07	4.23	2.71	1.86	1.49	1.65	3.07	2.49	0.62	1.03	1.16	0.66	10.02	2.01	2.08	0.85	
QUOTE TERRENO	61.80	61.83	61.87	61.93	62.05	60.82	62.06	61.93	61.83	61.17	60.55	60.99	61.54	61.49	61.44	61.42	61.42
PROGRESSIVE PROGETTO		-15.09	-11.57		-6.82	-5.57	-4.32	0.00		3.50							
PARZIALI PROGETTO		3.52		4.75	1.25	1.25	4.32		3.50								
QUOTE PROGETTO		61.83	64.16		64.16	64.06	64.09	64.20		64.11							

PROFILO Asse 80

SEZIONE 80-23

PROGRESSIVA 278.18

A RILEVATO	m <sup>2</sup>	19.82
AR ARIDO BONIFICA	m <sup>2</sup>	2.17
AS ARIDO SCOTICO	m <sup>2</sup>	1.84
BO BONIFICA	m <sup>2</sup>	7.21
D BASE	m <sup>2</sup>	0.97
E MISTO CEMENTATO	m <sup>2</sup>	1.47
G FONDAZIONE	m <sup>2</sup>	2.25
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.40
SC SCOTICO	m <sup>2</sup>	1.84
V VEGETALE	m <sup>2</sup>	1.08
a USURA	m	9.75
c BINDER	m	9.75
f FRESATURA	m	4.34



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PROGRESSIVE TERRENO	-21.00	-16.77	-15.32		-7.03	-6.62	-5.98	-5.23	-4.33	-3.34	0.10	1.53	2.66	3.42	4.54	5.34	6.28	17.39	20.17	21.00
PARZIALI TERRENO		4.23	1.45	8.29	0.41	0.64	0.75	0.90	0.99	3.44	1.43	1.13	0.76	1.12	0.80	0.94	11.11	2.78	0.83	
QUOTE TERRENO	61.79	61.80	61.81		61.99	61.28	62.03	61.46	60.74	61.68	61.90	61.84	61.80	61.00	60.43	61.02	61.58	61.43	61.43	61.44
PROGRESSIVE PROGETTO				-10.32	-7.37	-6.12	-4.87			-0.36				3.63						
PARZIALI PROGETTO				2.95	1.25	1.25	4.51			3.99										
QUOTE PROGETTO				61.91	63.86	63.80	63.83			63.94				63.86						

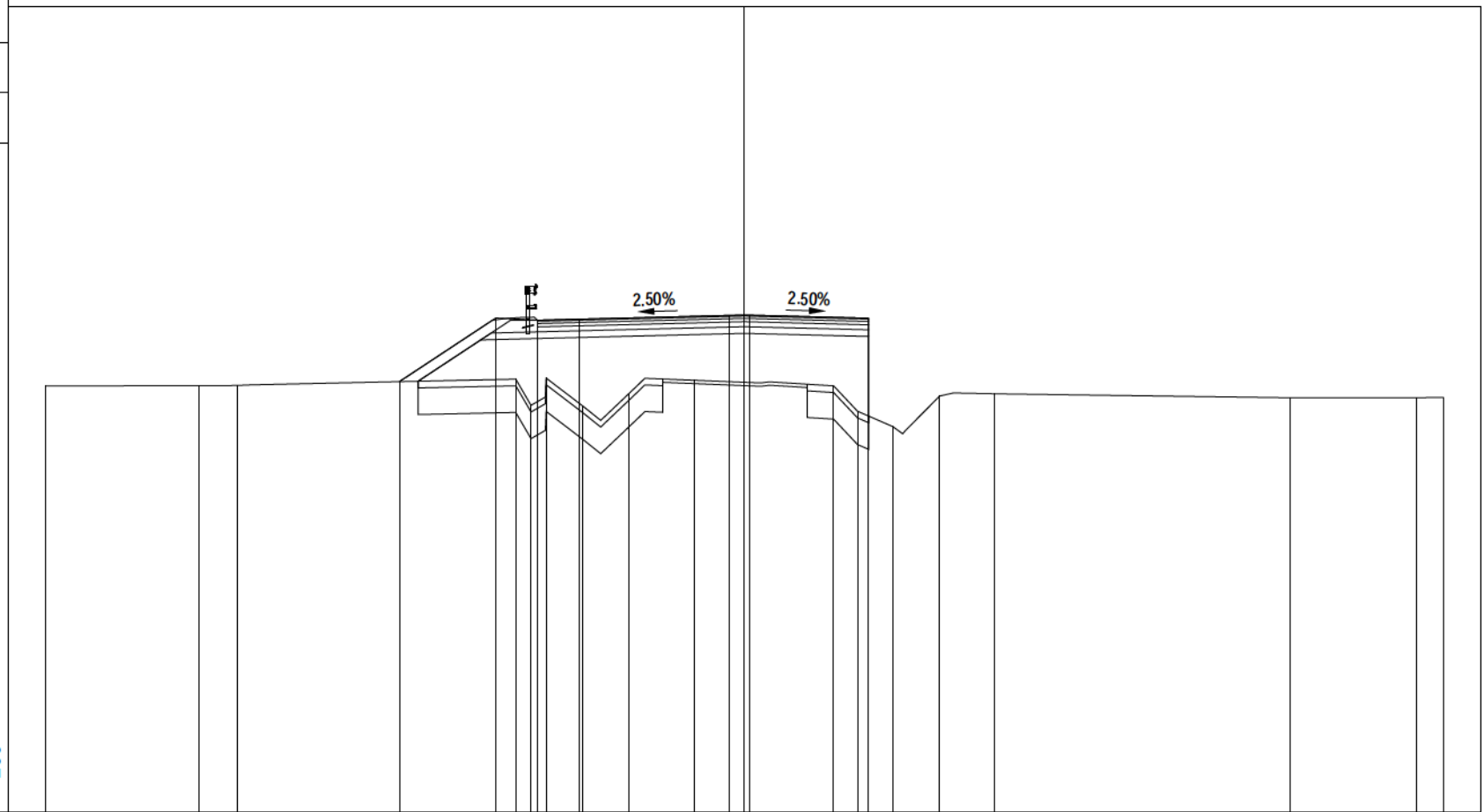


PROFILO Asse 80

SEZIONE 80-24

PROGRESSIVA 279.68

A RILEVATO	m <sup>2</sup>	19.67
AR ARIDO BONIFICA	m <sup>2</sup>	2.13
AS ARIDO SCOTICO	m <sup>2</sup>	1.84
BO BONIFICA	m <sup>2</sup>	7.35
D BASE	m <sup>2</sup>	1.00
E MISTO CEMENTATO	m <sup>2</sup>	1.49
G FONDAZIONE	m <sup>2</sup>	2.31
H MIST. GRAN. COMPATTA	m <sup>2</sup>	0.40
SC SCOTICO	m <sup>2</sup>	1.84
V VEGETALE	m <sup>2</sup>	1.08
a USURA	m	9.94
c BINDER	m	9.94
f FRESATURA	m	4.34



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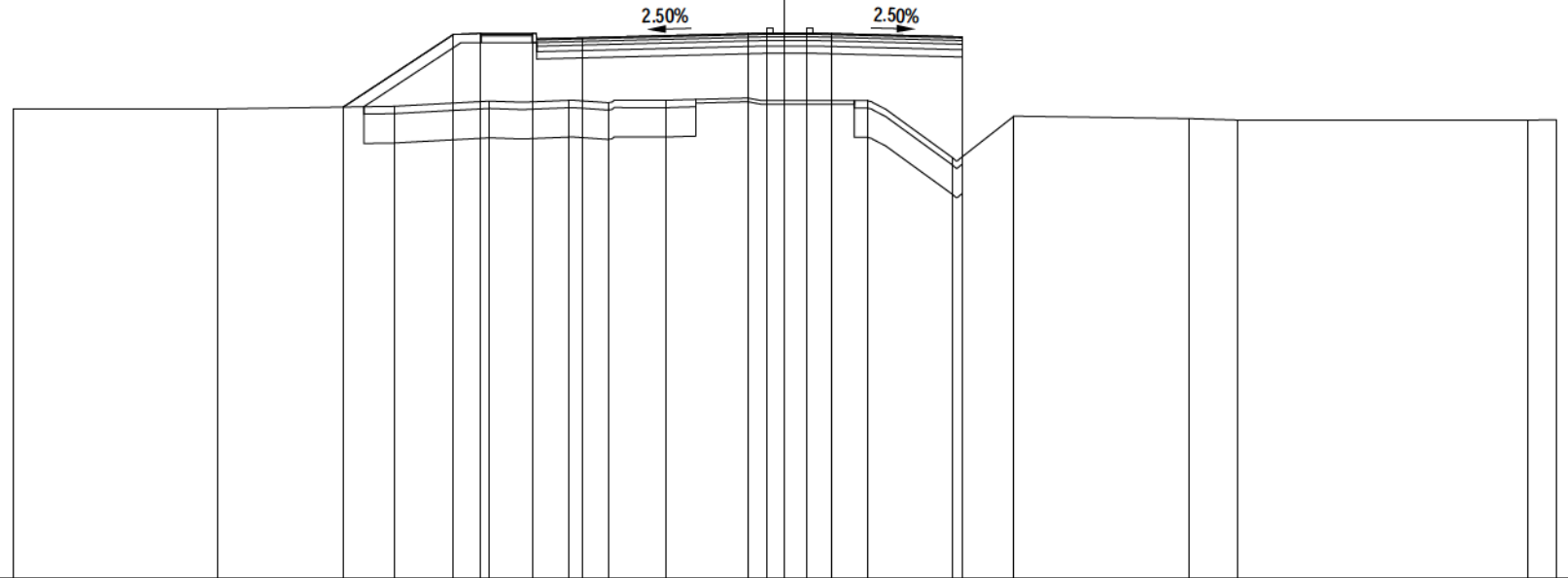
PROGRESSIVE TERRENO	-21.00	-16.37	-15.21		-6.87	-6.41	-5.95	-4.85	-3.48	-1.49	-0.01		2.68	3.40	4.46	5.86	7.51	16.40	20.18	21.00
PARZIALI TERRENO	4.63	1.16		8.34	0.46	0.46	1.10	1.37	1.99	1.48	2.69		0.72	1.06	1.40	1.65	8.89	3.78	0.82	
QUOTE TERRENO	61.79	61.80	61.81		61.99	61.21	62.03	61.19	61.55	61.96	61.90		61.79	61.03	60.57	61.49	61.56	61.43	61.44	61.44
PROGRESSIVE PROGETTO				-10.36	-7.46	-6.21	-4.96			-0.45	0.15		3.73							
PARZIALI PROGETTO				2.90	1.25	1.25		4.51		0.60		3.58								
QUOTE PROGETTO				61.92	63.83	63.76	63.80			63.91	63.92		63.83							

PROFILO Asse 80

SEZIONE 80-25

PROGRESSIVA 288.18

A RILEVATO	m <sup>2</sup>	21.73
AR ARIDO BONIFICA	m <sup>2</sup>	9.57
AS ARIDO SCOTICO	m <sup>2</sup>	2.40
BO BONIFICA	m <sup>2</sup>	9.57
D BASE	m <sup>2</sup>	1.17
E MISTO CEMENTATO	m <sup>2</sup>	1.73
G FONDAZIONE	m <sup>2</sup>	2.57
SC SCOTICO	m <sup>2</sup>	2.40
V VEGETALE	m <sup>2</sup>	1.16
a USURA	m	10.33
c BINDER	m	11.57
f FRESATURA	m	4.32



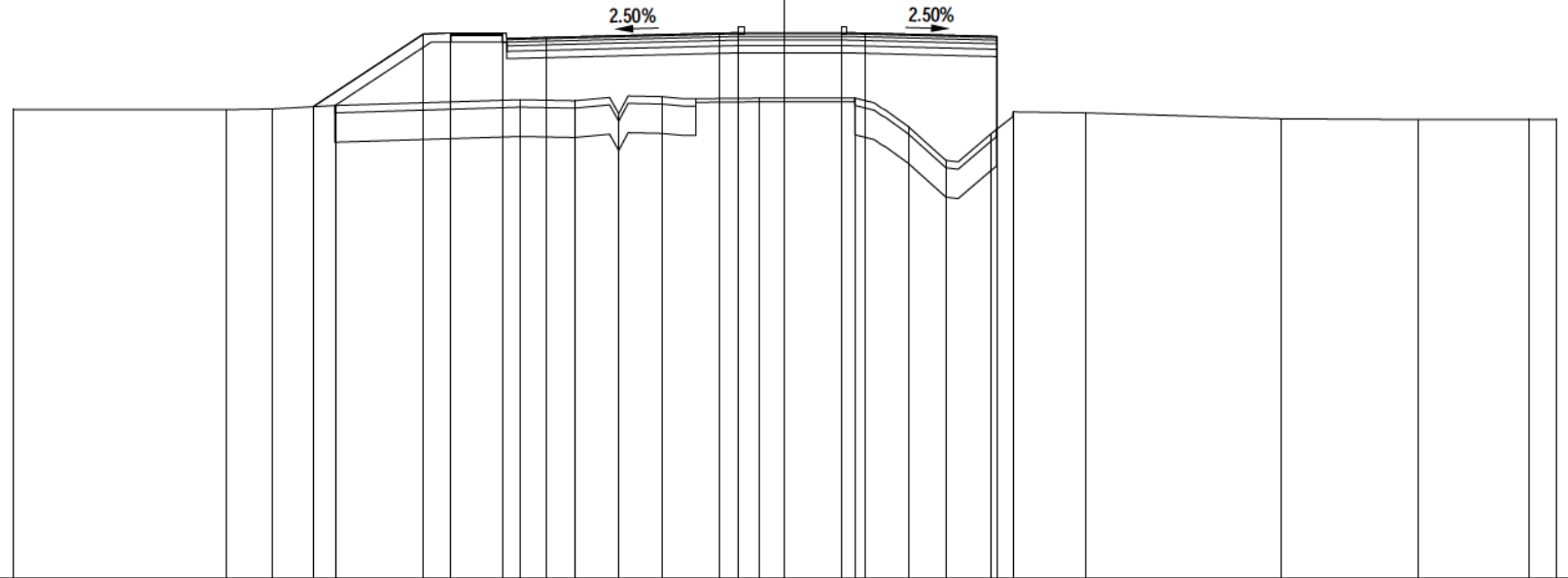
PROGRESSIVE TERRENO	-21.00	-15.44	-10.63	-8.03	-5.87	-4.80	-3.24	-1.00	2.25	4.57	6.22	10.99	12.33	20.22	21.00
PARZIALI TERRENO	5.56	4.81	2.60	2.16	1.07	1.56	2.24	3.25	2.32	1.65	4.77	1.34	7.89	0.78	
QUOTE TERRENO	61.77	61.77	61.84	61.98	62.00	61.94	62.00	62.06	61.99	60.44	61.55	61.50	61.46	61.46	61.47
PROGRESSIVE PROGETTO			-12.01	-9.01	-8.26	-6.86	-5.49	-0.98	-0.48	0.61	1.27	4.83			
PARZIALI PROGETTO			3.00	0.75	1.40	1.37	4.51	0.50	1.09	0.66	3.56				
QUOTE PROGETTO			61.82	63.79	63.82	63.82	63.70	63.82	63.83	63.83	63.82	63.73			

PROFILO Asse 80

SEZIONE 80-26

PROGRESSIVA 293.18

A RILEVATO	m <sup>2</sup>	24.93
AR ARIDO BONIFICA	m <sup>2</sup>	10.93
AS ARIDO SCOTICO	m <sup>2</sup>	2.75
BO BONIFICA	m <sup>2</sup>	10.93
D BASE	m <sup>2</sup>	1.33
E MISTO CEMENTATO	m <sup>2</sup>	1.99
G FONDAZIONE	m <sup>2</sup>	2.92
SC SCOTICO	m <sup>2</sup>	2.75
V VEGETALE	m <sup>2</sup>	1.16
a USURA	m	10.38
c BINDER	m	13.33
f FRESATURA	m	4.32



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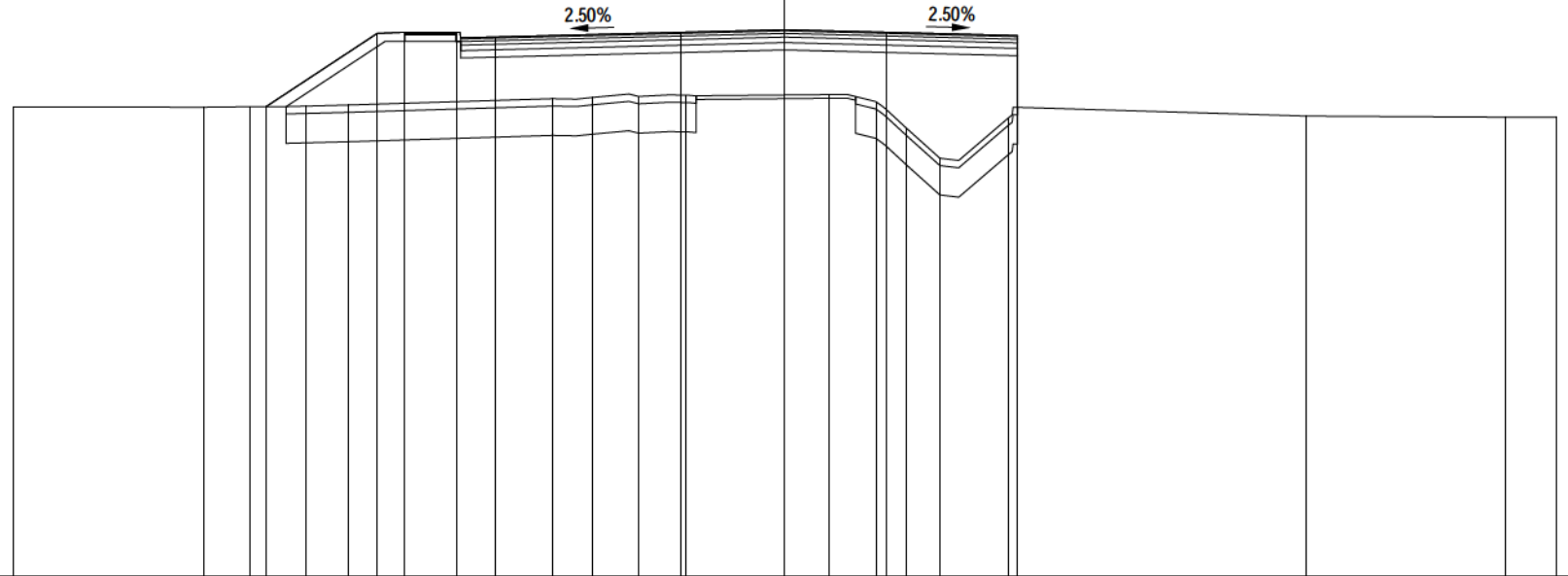
PROGRESSIVE TERRENO	-21.00	-15.19	-13.94	-12.21	-7.19	-5.72	-4.52	-3.34	-0.69	1.91	3.36	4.39	5.60	6.21	8.20	13.49	17.24	20.24	21.00
PARZIALI TERRENO	5.81	1.25	1.73	5.02	1.47	1.20	1.18	2.65	2.60	1.45	1.03	1.21	0.61	1.99	5.29	3.75	3.00	0.76	
QUOTE TERRENO	61.75	61.75	61.77	61.86	62.02	61.99	61.64	62.10	62.06	62.06	61.29	60.36	61.08	61.69	61.66	61.50	61.48	61.48	61.48
PROGRESSIVE PROGETTO				-12.83	-9.83	-9.08	-7.68	-6.48		-1.77	-1.25	0.00	1.55	2.20	5.77				
PARZIALI PROGETTO				3.00	0.75	1.40	1.20	4.71	0.52	1.25	1.55	0.65	3.57						
QUOTE PROGETTO				61.83	63.80	63.83	63.83	63.71	63.83	63.84	63.84	63.84	63.83	63.74					

PROFILO Asse 80

SEZIONE 80-27

PROGRESSIVA 296.18

A RILEVATO	m <sup>2</sup>	27.72
AR ARIDO BONIFICA	m <sup>2</sup>	3.46
AS ARIDO SCOTICO	m <sup>2</sup>	3.07
BO BONIFICA	m <sup>2</sup>	12.49
D BASE	m <sup>2</sup>	1.52
E MISTO CEMENTATO	m <sup>2</sup>	2.26
G FONDAZIONE	m <sup>2</sup>	3.29
SC SCOTICO	m <sup>2</sup>	3.07
V VEGETALE	m <sup>2</sup>	1.18
a USURA	m	15.15
c BINDER	m	15.15
f FRESATURA	m	4.34



200 200

PROGRESSIVE TERRENO	-21.00	-15.81	-14.54	-13.02	-11.86		-6.32	-5.24	-3.97	-2.69		1.22	2.48	3.30	4.22	6.09	14.19	19.62	21.00
PARZIALI TERRENO	5.19	1.27	1.52	1.16		5.54	1.08	1.27	1.28		3.91	1.26	0.82	0.92	1.87	8.10		5.43	1.38
QUOTE TERRENO	61.77	61.76	61.77	61.79	61.82		61.99	62.02	62.05	62.09		62.10	61.91	61.20	60.37	61.48	61.52	61.49	61.49
PROGRESSIVE PROGETTO			-14.11		-11.09	-10.34	-8.94	-7.86		-2.83	0.00		2.77		6.33				
PARZIALI PROGETTO			3.02		0.75	1.40	1.08		5.03	2.83		2.77		3.56					
QUOTE PROGETTO			61.77		63.77	63.80	63.80	63.67		63.80	63.87		63.80		63.71				