



Comune di MINERBIO

Provincia di BOLOGNA



NUOVA CIRCONVALLAZIONE NORD MINERBIO DALLA S.P.44 ALLA S.P.5



COMMITTENTE
ECORED s.r.l.

via Fiumicello, 33/B
Minerbio (BO)
P.IVA 03331681209

PROPRIETA'
ORNELLA GOVONI
FABIO ROSSI

C.F. GVN RLL 64S66 C469W
C.F. RSS FBA 62H29 F219C

P R O G E T T O D E F I N I T I V O

TITOLO:

PROGETTO STRADALE
QUADERNO DI SEZIONI TRASVERSALI

CODIFICA:

PD VI 06

Scala :

VARIE

RAGGRUPPAMENTO TEMPORANEO DI PROFESSIONISTI

CAPOGRUPPO



IS Ingegneria e Servizi S.R.L.S.

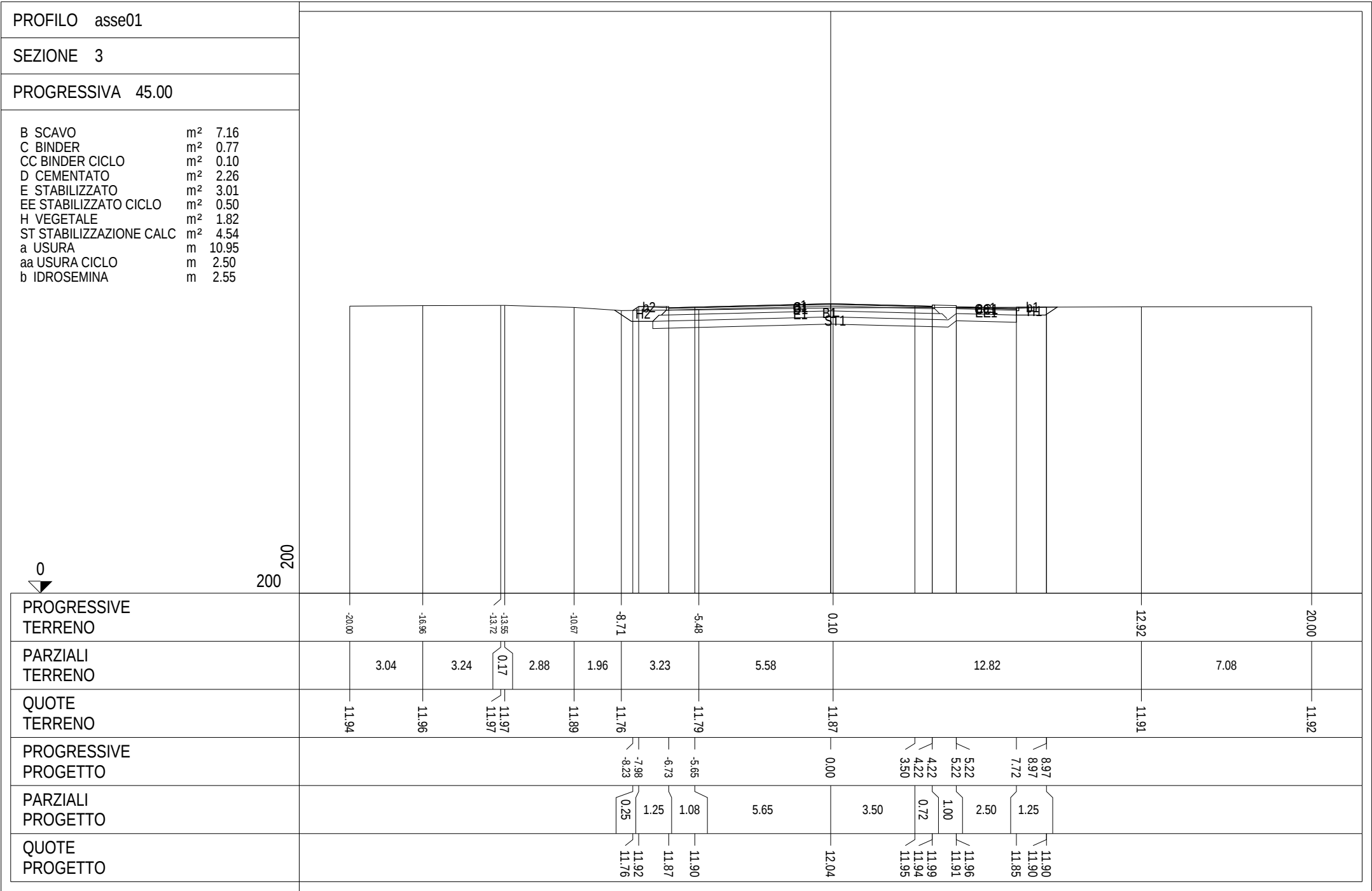
Via Malavolti n. 43 - 41122 MODENA
Tel. 059 350060 - Fax. 059342750
Mail: info@ingegneriaservizi.it
Pec: is-modena@pec.it

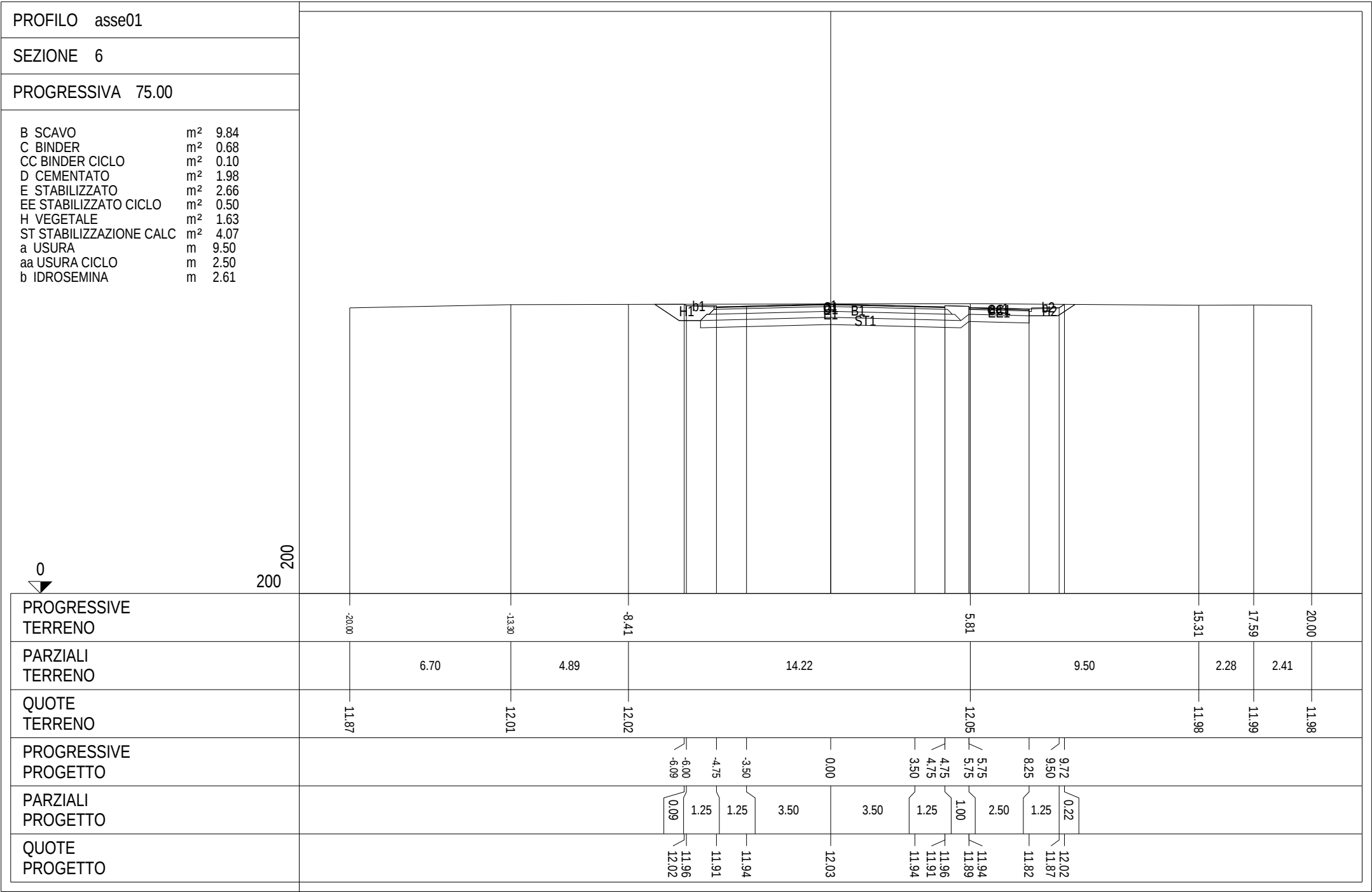
Dott. Ing. Sergio Violetta (Direttore Tecnico)

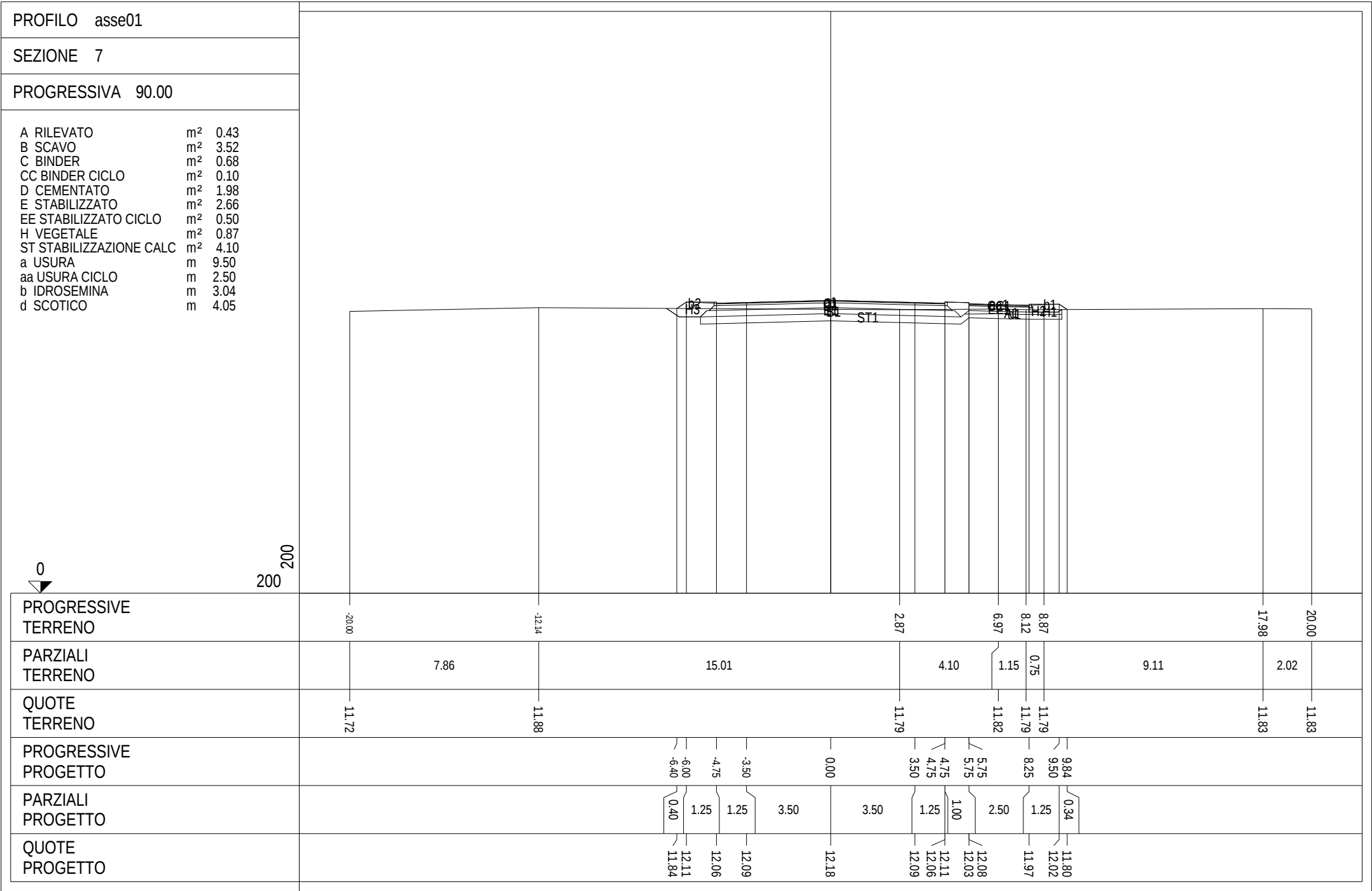
Geom. Tiziano Cavani
Dott. Ing. Manuela Soli
Dott. Ing. Elisa Moruzzi
Ing. Claudio Arnò
Geol. Claudio Preci

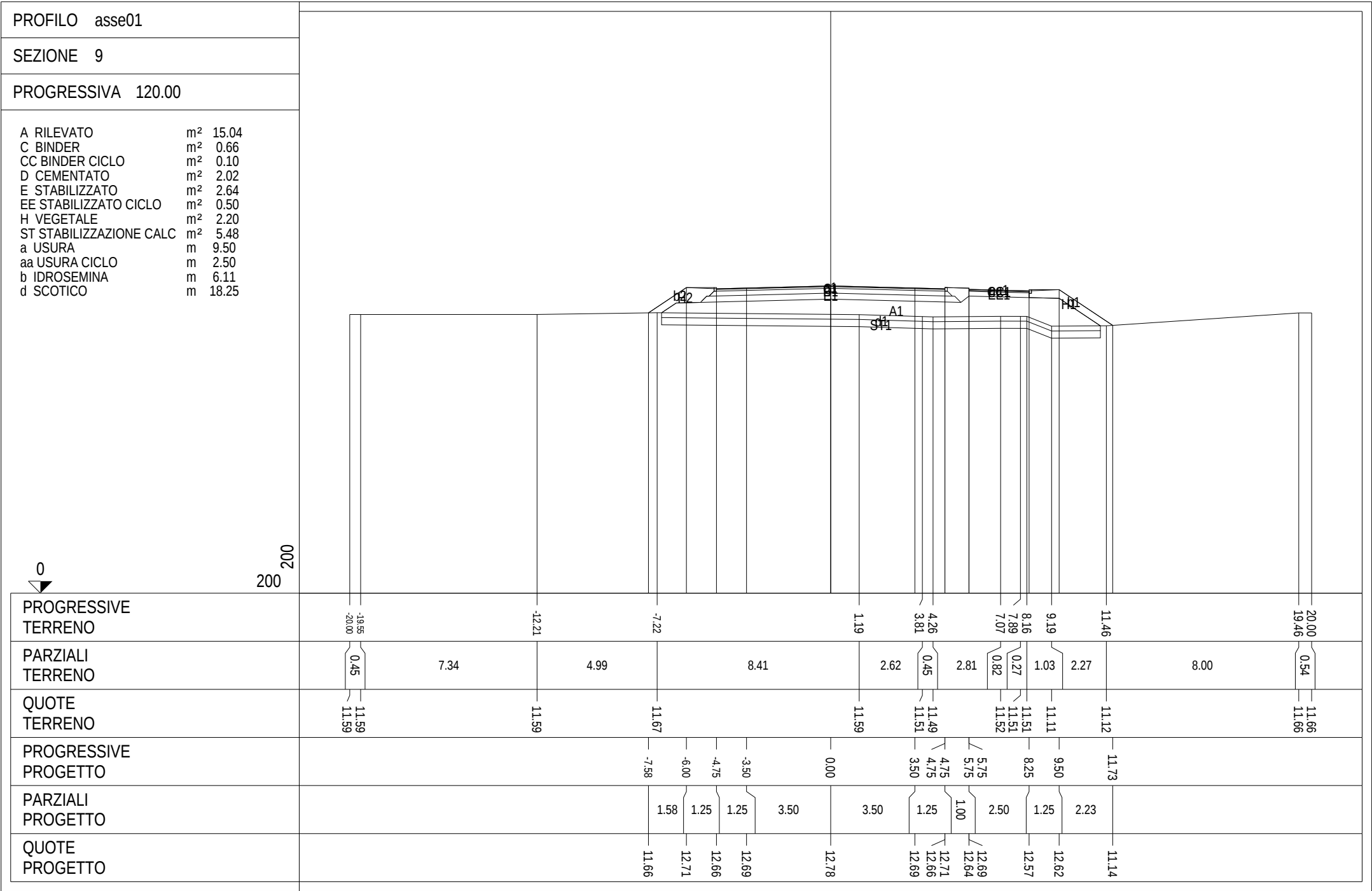
00	Settembre 2022	EMISSIONE	E. MORUZZI	M. SOLI	S. VIOLETTA
REV	DATA	DESCRIZIONE	REDATTO	CONTROLLATO	APPROVATO

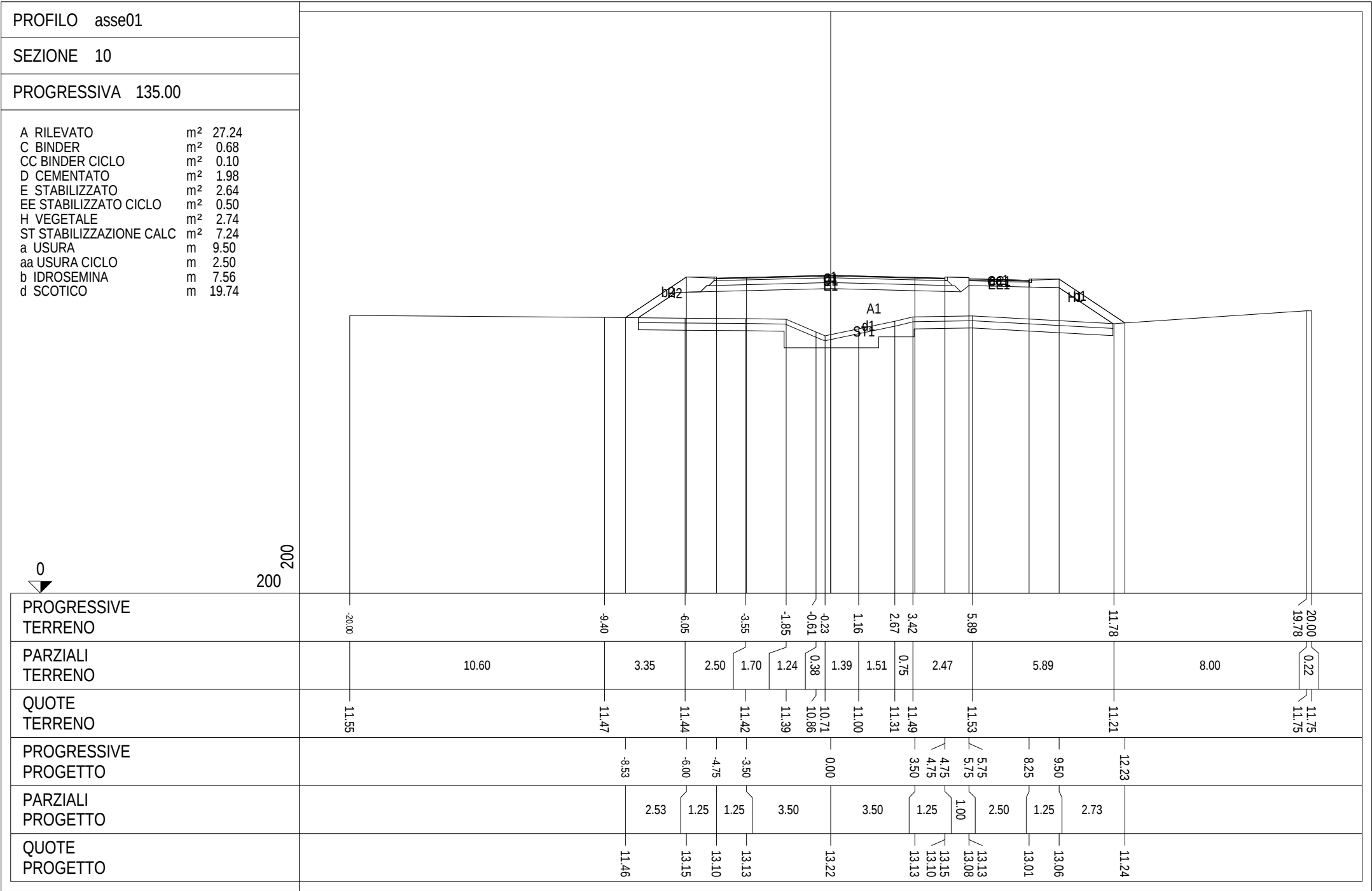
ASSE PRINCIPALE









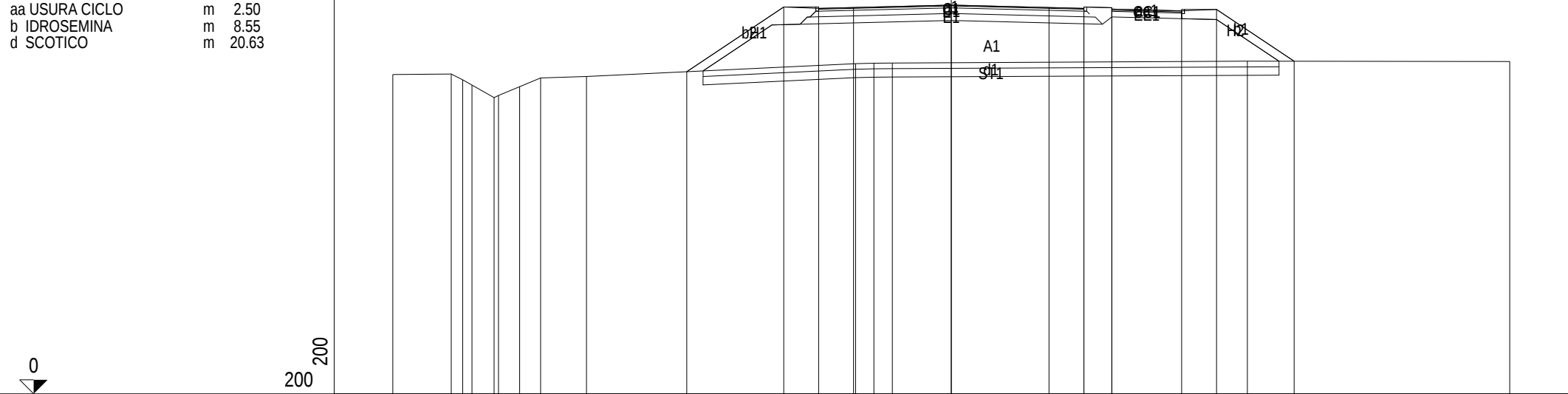


PROFILO asse01

SEZIONE 12

PROGRESSIVA 159.54

A RILEVATO	m²	31.33
C BINDER	m²	0.66
CC BINDER CICLO	m²	0.10
D CEMENTATO	m²	1.98
E STABILIZZATO	m²	2.64
EE STABILIZZATO CICLO	m²	0.50
H VEGETALE	m²	3.11
ST STABILIZZAZIONE CALC	m²	6.20
a USURA	m	9.50
aa USURA CICLO	m	2.50
b IDROSEMINA	m	8.55
d SCOTICO	m	20.63



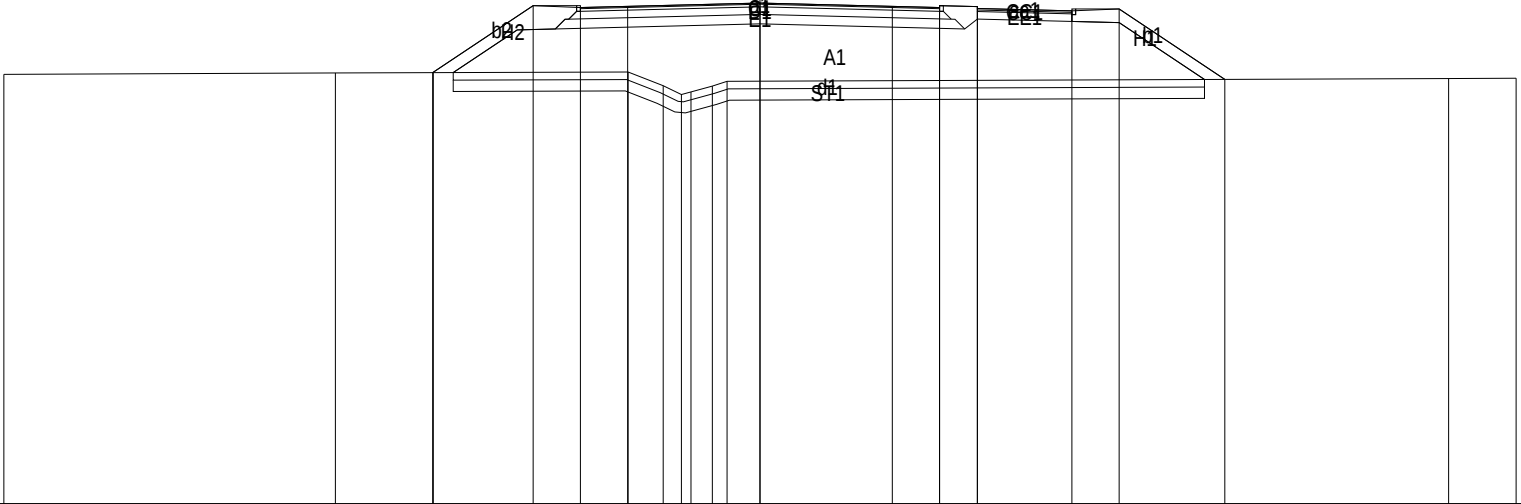
PROGRESSIVE TERRENO	-20.00	-17.91	-17.50	-17.17	-16.37	-15.46	-14.71	-13.06		-3.43	-2.77	-2.11		10.60	20.00
PARZIALI TERRENO	2.09	0.41	0.33	0.80	0.15	0.76	0.75	1.65	9.63	0.66	0.66		12.71	9.40	
QUOTE TERRENO	11.43	11.44	11.24	11.05	10.60	10.68	11.30	11.35		11.81	11.83	11.84		11.90	11.89
PROGRESSIVE PROGETTO									-9.47	-3.50	-4.75	-6.00	0.00	3.50	11.90
PARZIALI PROGETTO									3.47	1.25	1.25	3.50	3.50	1.25	2.78
QUOTE PROGETTO									11.53	13.82	13.79	13.84	13.91	13.82	11.90

PROFILO asse01

SEZIONE 26

PROGRESSIVA 351.72

A RILEVATO	m²	29.70
C BINDER	m²	0.68
CC BINDER CICLO	m²	0.10
D CEMENTATO	m²	1.96
E STABILIZZATO	m²	2.62
EE STABILIZZATO CICLO	m²	0.51
H VEGETALE	m²	2.83
ST STABILIZZAZIONE CALC	m²	5.98
a USURA	m	9.50
aa USURA CICLO	m	2.50
b IDROSEMINA	m	7.75
d SCOTICO	m	19.87



PROGRESSIVE
TERRENO

20.00
18.21
11.26
11.25
12.29
9.50
8.25
5.75
4.75
3.50
0.00
-3.50
-4.75
-6.00
-8.66
11.40
11.40
11.40
11.42
11.06
10.82
10.89
11.05
11.17
0.39
0.57
0.25
0.48
0.93
3.49
2.56
2.08
1.83
1.26
-0.87
-1.26
-1.83
-2.56
-3.49
-8.64
-11.23
-20.00

PARZIALI
TERRENO

1.79
19.08
0.39
0.57
0.25
0.48
0.93
5.15
2.59
8.77

QUOTE
TERRENO

11.36
11.40
11.40
11.40
11.42
11.06
10.82
10.89
11.05
11.17
0.39
0.57
0.25
0.48
0.93
3.49
2.56
2.08
1.83
1.26
-0.87
-1.26
-1.83
-2.56
-3.49
-8.64
-11.23
-20.00

PROGRESSIVE
PROGETTO

12.29
9.50
8.25
5.75
4.75
3.50
0.00
-3.50
-4.75
-6.00
-8.66
11.40
11.40
11.40
11.42
11.06
10.82
10.89
11.05
11.17
0.39
0.57
0.25
0.48
0.93
3.49
2.56
2.08
1.83
1.26
-0.87
-1.26
-1.83
-2.56
-3.49
-8.64
-11.23
-20.00

PARZIALI
PROGETTO

2.79
1.25
2.50
1.00
1.25
3.50
3.50
3.50
1.25
1.25
2.66
11.40
11.40
11.40
11.42
11.06
10.82
10.89
11.05
11.17
0.39
0.57
0.25
0.48
0.93
3.49
2.56
2.08
1.83
1.26
-0.87
-1.26
-1.83
-2.56
-3.49
-8.64
-11.23
-20.00

QUOTE
PROGETTO

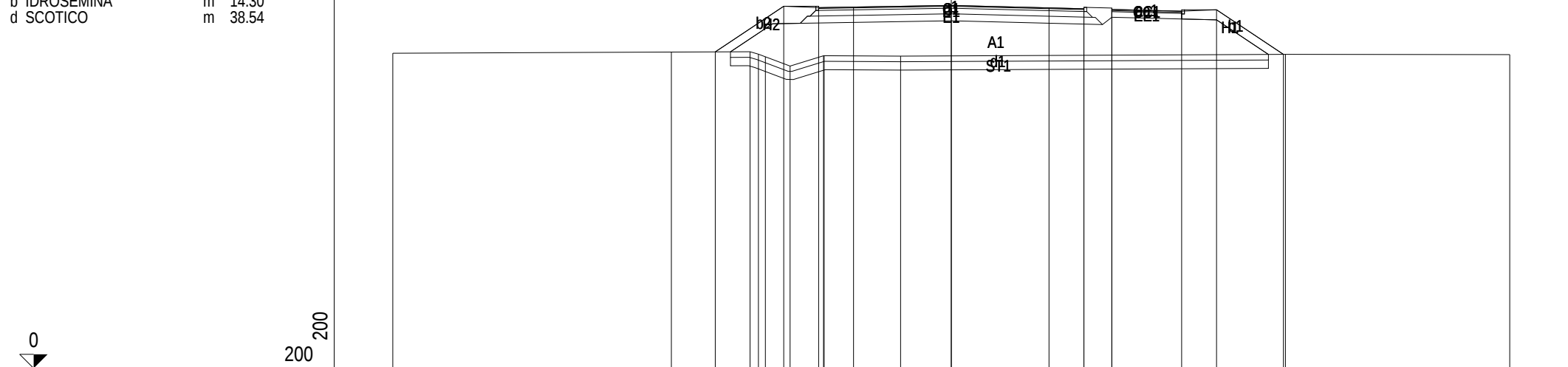
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13.18
13.16
13.24
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13.18
11.40
11.40
11.40
11.42
11.06
10.82
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11.17
0.39
0.57
0.25
0.48
0.93
3.49
2.56
2.08
1.83
1.26
-0.87
-1.26
-1.83
-2.56
-3.49
-8.64
-11.23
-20.00

PROFILO asse01

SEZIONE 27

PROGRESSIVA 360.00

A RILEVATO	m²	51.42
C BINDER	m²	1.34
CC BINDER CICLO	m²	0.20
D CEMENTATO	m²	3.96
E STABILIZZATO	m²	5.28
EE STABILIZZATO CICLO	m²	1.00
H VEGETALE	m²	5.22
ST STABILIZZAZIONE CALC	m²	11.56
a USURA	m	19.00
aa USURA CICLO	m	5.00
b IDROSEMINA	m	14.30
d SCOTICO	m	38.54



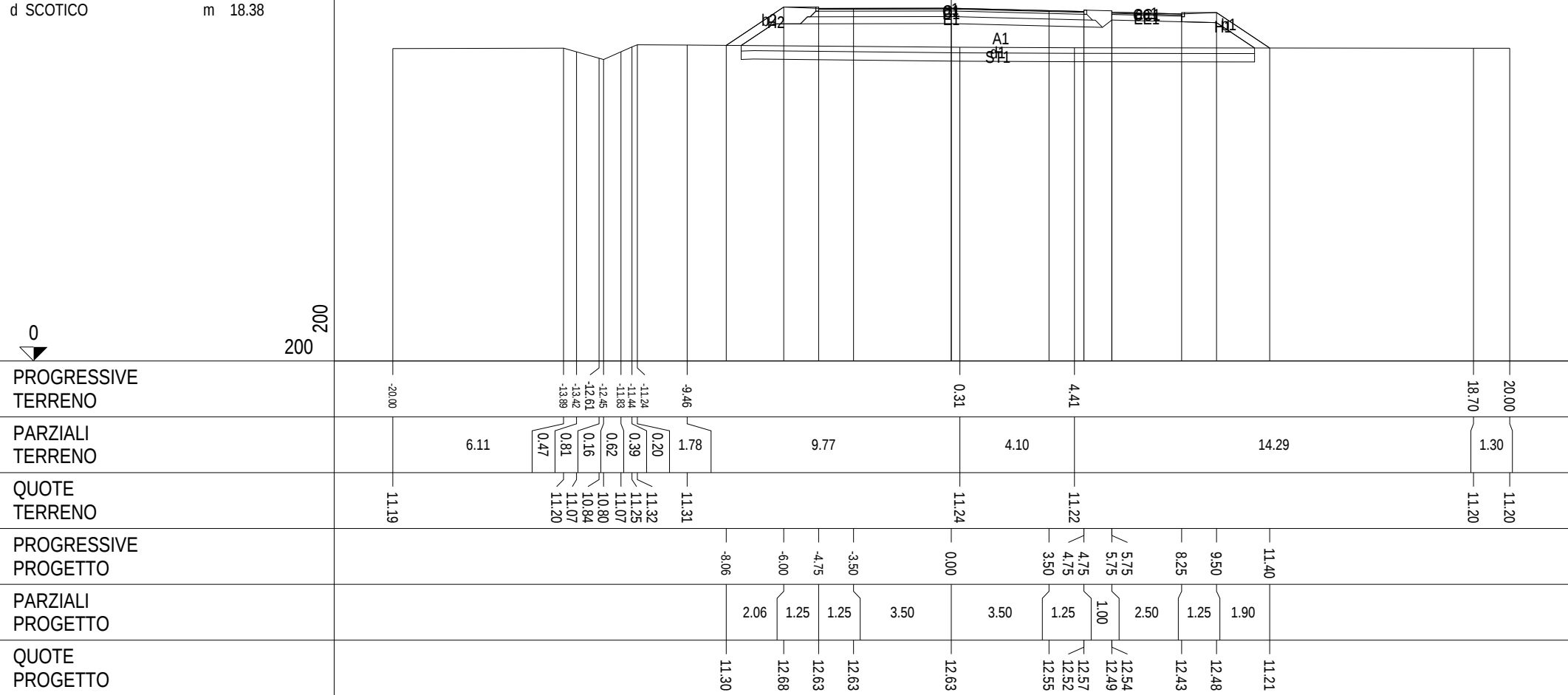
PROGRESSIVE TERRENO	20.00	11.97	-1.81	-4.55	-4.58	-5.77	-6.66	-6.91	-7.21	-10.02	-20.00
PARZIALI TERRENO	8.03	13.78	2.74	0.03	1.19	0.89	0.25	0.30	2.81	9.98	
QUOTE TERRENO	11.24	11.25	11.18	11.20	11.20	10.83	11.16	11.25	11.34	11.33	11.29
PROGRESSIVE PROGETTO		11.90	0.00	-3.50	-4.75	-6.00	-8.45				
PARZIALI PROGETTO		2.40	3.50	1.25	1.25	1.25	2.45				
QUOTE PROGETTO		11.25	13.00	12.94	12.92	12.97	11.33				

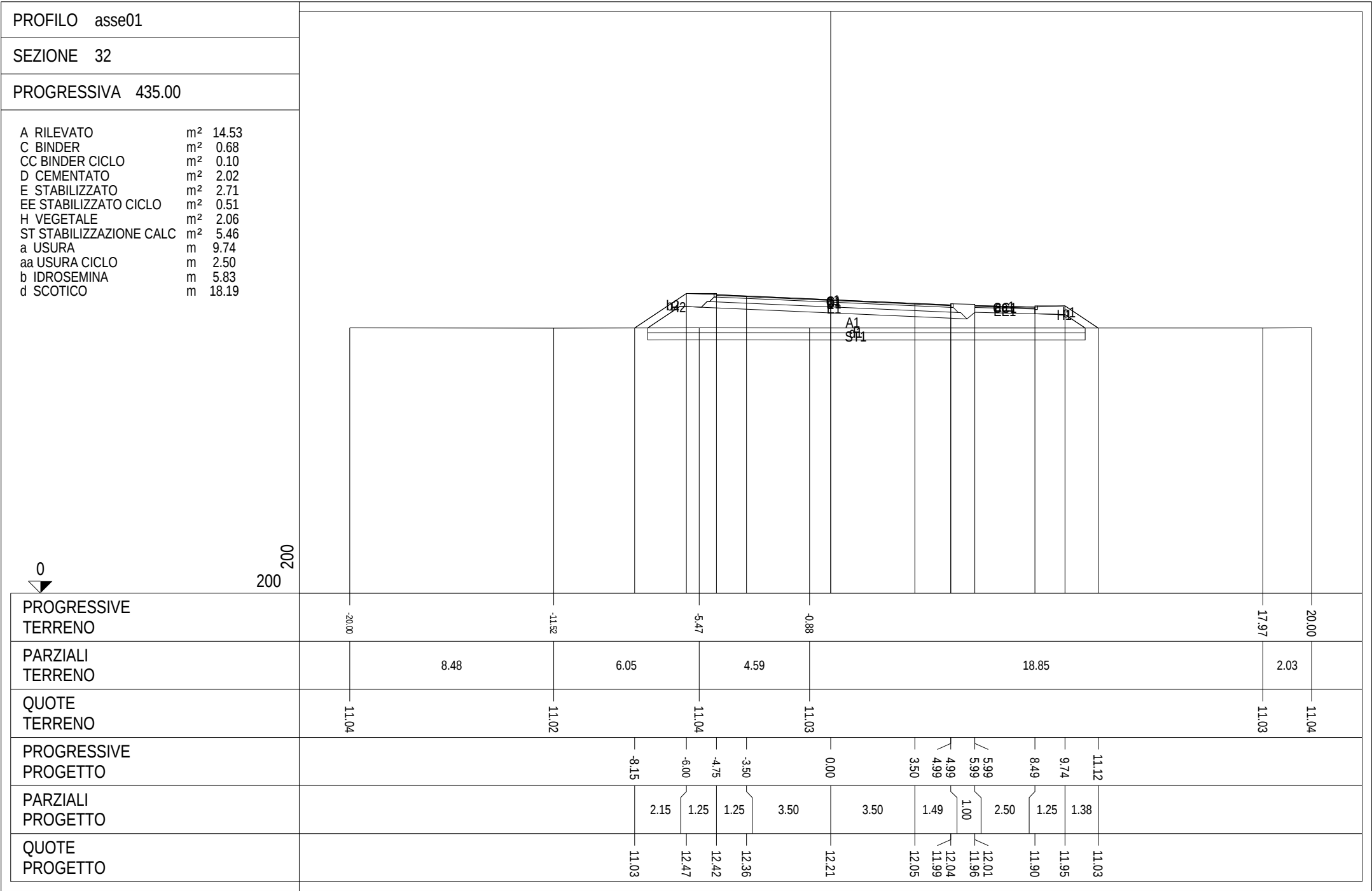
PROFILO asse01

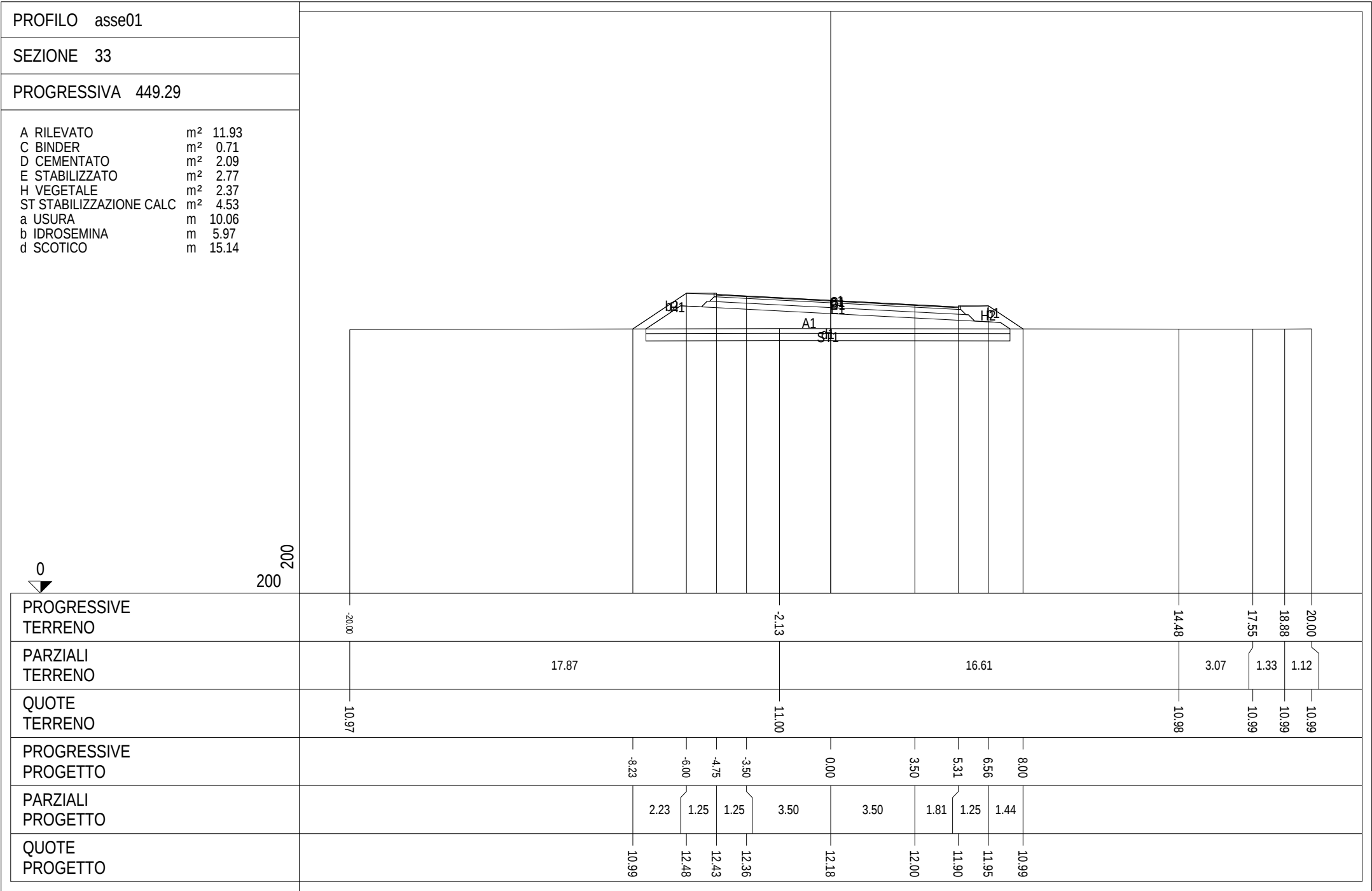
SEZIONE 28

PROGRESSIVA 375.00

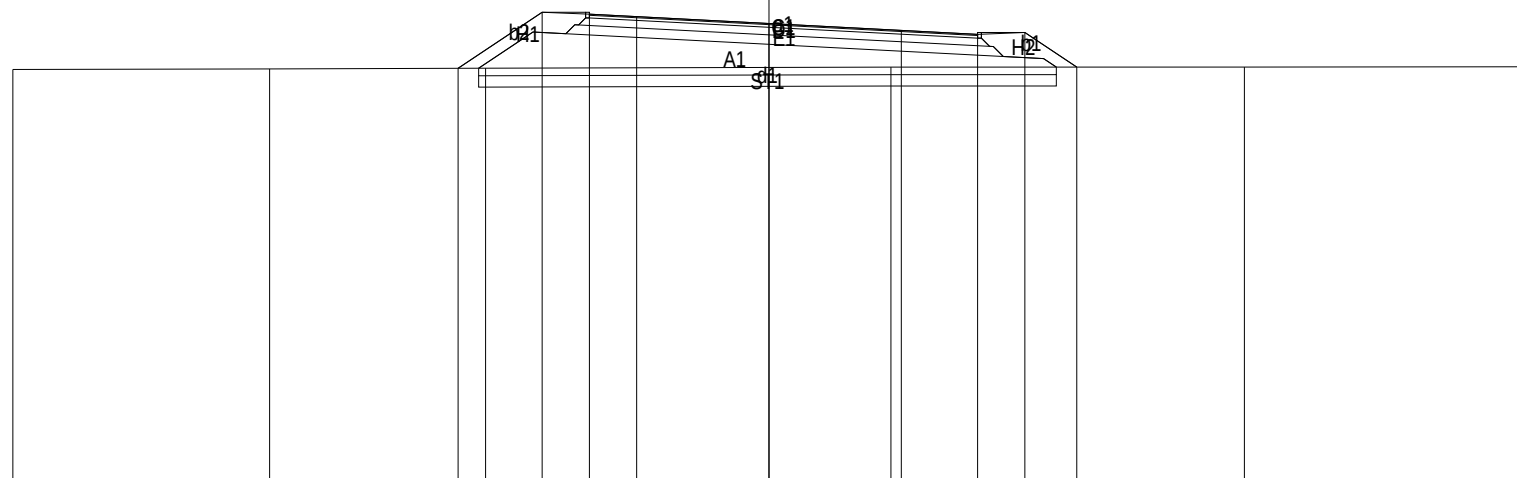
A RILEVATO	m²	17.97
C BINDER	m²	0.66
CC BINDER CICLO	m²	0.10
D CEMENTATO	m²	1.98
E STABILIZZATO	m²	2.65
EE STABILIZZATO CICLO	m²	0.50
H VEGETALE	m²	2.28
ST STABILIZZAZIONE CALC	m²	5.52
a USURA	m	9.50
aa USURA CICLO	m	2.50
b IDROSEMINA	m	6.26
d SCOTICO	m	18.38







A RILEVATO	m ²	11.69
C BINDER	m ²	0.71
D CEMENTATO	m ²	2.15
E STABILIZZATO	m ²	2.83
H VEGETALE	m ²	2.33
ST STABILIZZAZIONE CALC	m ²	4.59
a USURA	m	10.27
b IDROSEMINA	m	5.89
d SCOTICO	m	15.28



PROGRESSIVE TERRENO	20.00	12.57	3.23	-7.50	-13.21	-20.00
PARZIALI TERRENO	7.43	9.34	10.73	5.71	6.79	
QUOTE TERRENO	11.00	11.00	10.99	10.97	10.95	10.93
PROGRESSIVE PROGETTO	8.14	6.77	5.52	3.50	0.00	-3.50
PARZIALI PROGETTO	1.37	1.25	2.02	3.50	3.50	2.22
QUOTE PROGETTO	10.99	11.91	11.86	11.97	12.15	12.33
						12.39
						12.44
						10.96

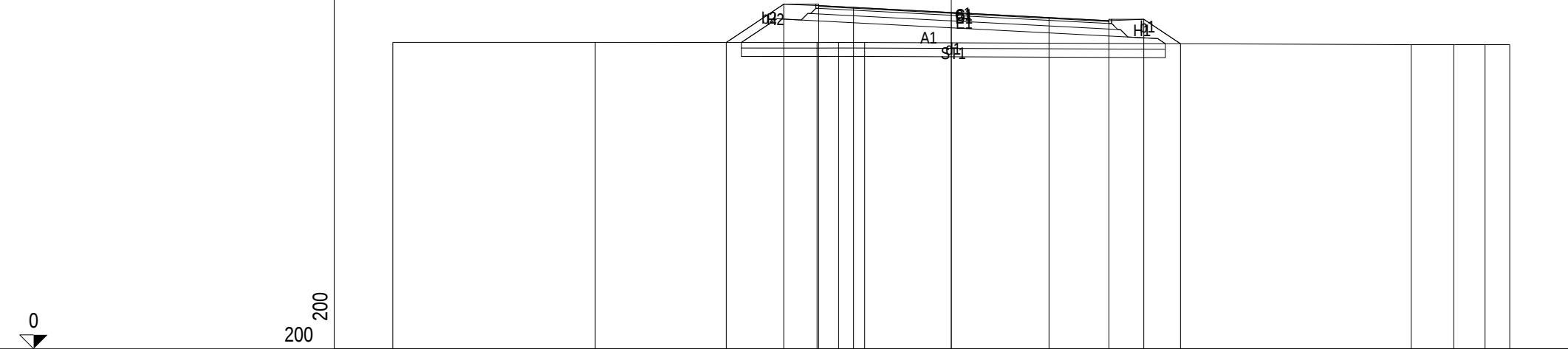
PROGRESSIVE TERRENO	20.00	13.69	5.76	-6.67	-9.89	-20.00		
PARZIALI TERRENO	6.31	7.93	12.43	3.22	10.11			
QUOTE TERRENO	10.92	10.93	10.96	10.97	10.96	10.96		
PROGRESSIVE PROGETTO	8.24	6.89	5.64	-3.50	-4.75	-6.00	-8.13	
PARZIALI PROGETTO	1.35	1.25	2.14	3.50	1.25	1.25	2.13	
QUOTE PROGETTO	10.95	11.84	11.79	11.91	12.09	12.27	12.38	10.97

PROFILO asse01

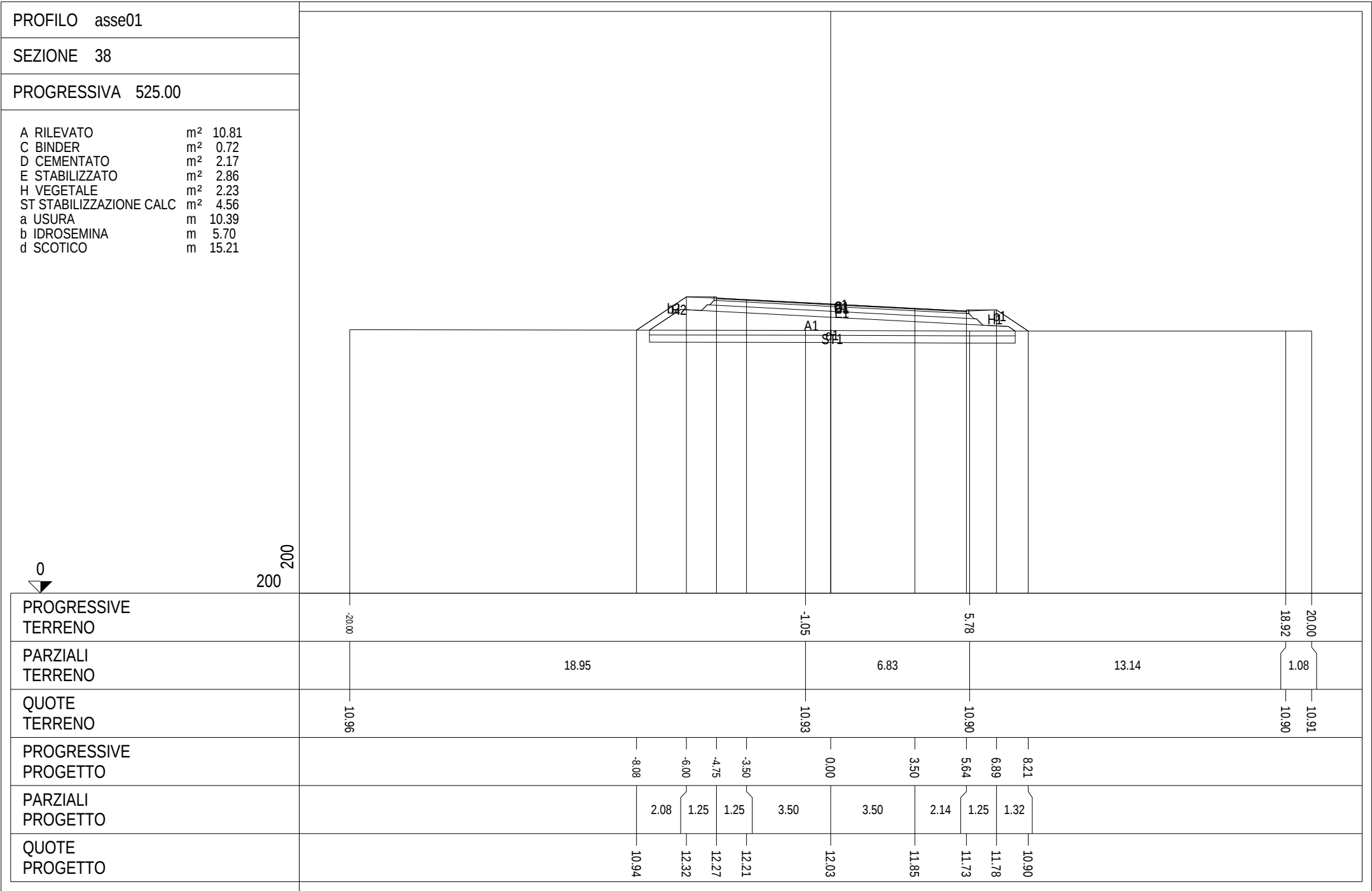
SEZIONE 37

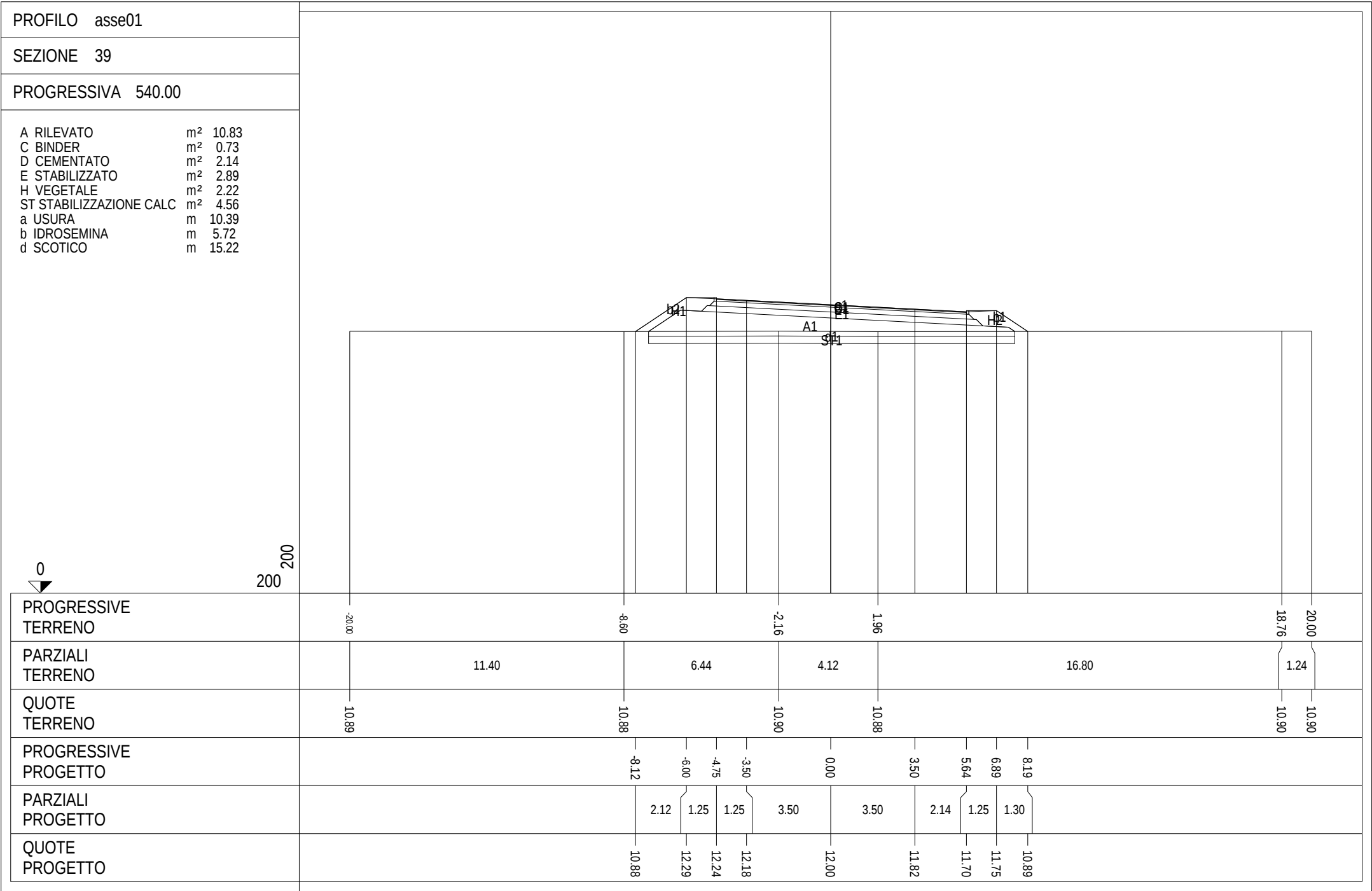
PROGRESSIVA 510.00

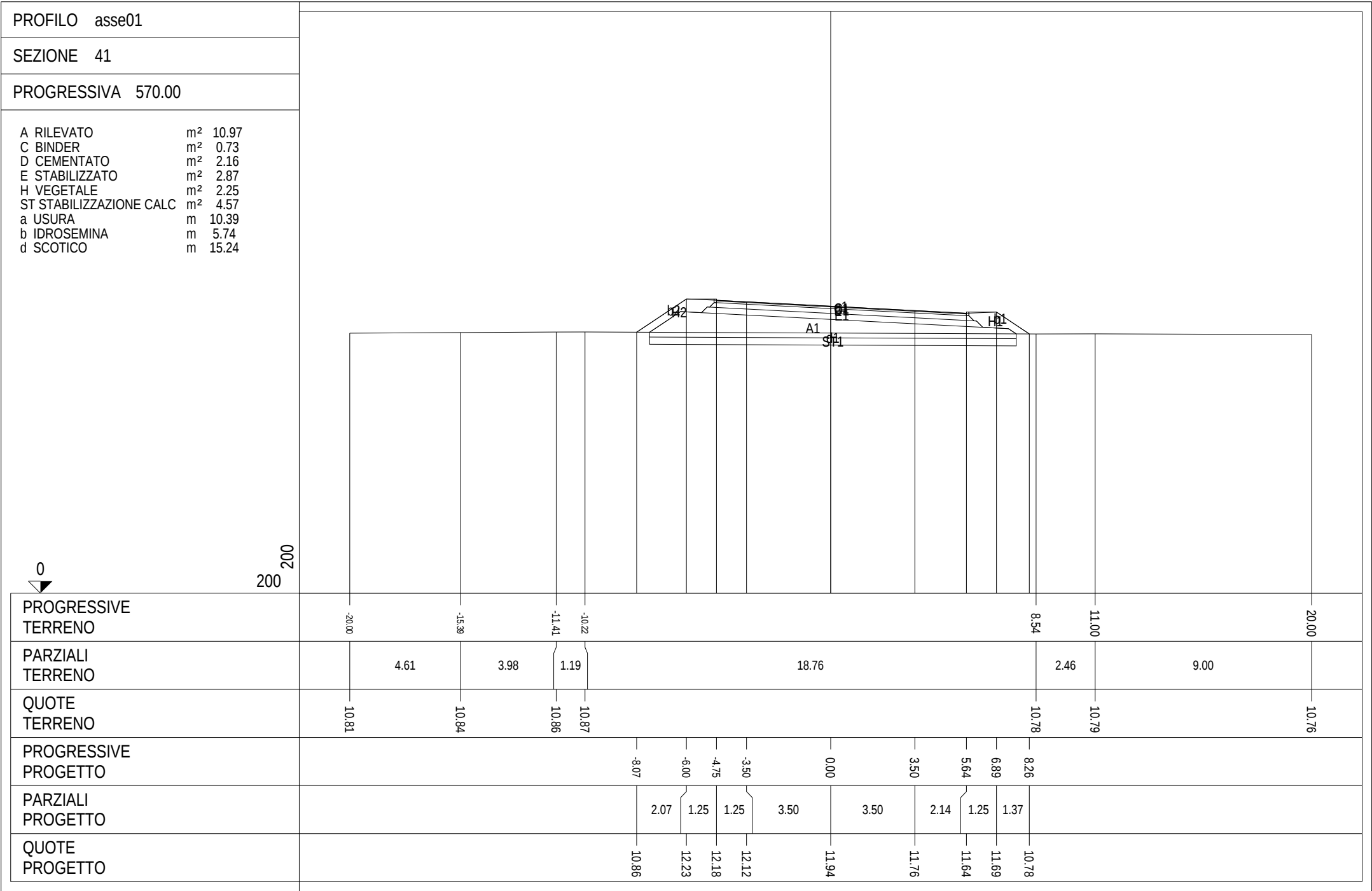
A RILEVATO	m²	10.58
C BINDER	m²	0.72
D CEMENTATO	m²	2.16
E STABILIZZATO	m²	2.86
H VEGETALE	m²	2.24
ST STABILIZZAZIONE CALC	m²	4.56
a USURA	m	10.39
b IDROSEMINA	m	5.68
d SCOTICO	m	15.19



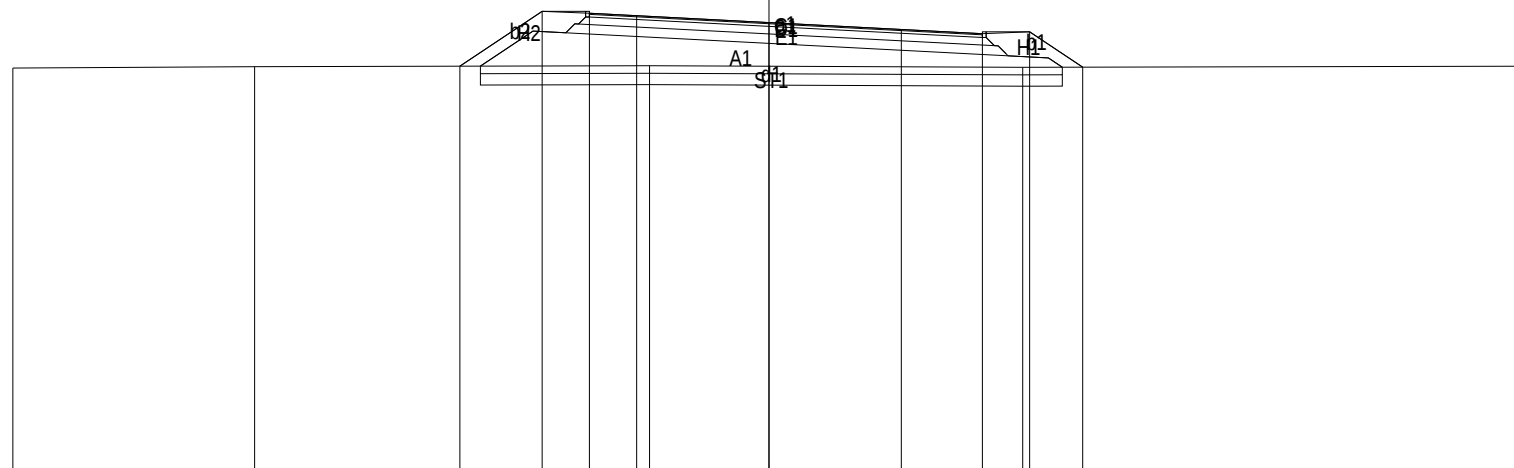
PROGRESSIVE TERRENO	-20.00	-12.75	-4.81	-4.04	-3.10	0.00	3.50	5.64	6.89	8.21	16.47	18.00	19.12	20.00
PARZIALI TERRENO	7.25	7.94	0.77	0.94	19.57	1.53	1.12	0.88						
QUOTE TERRENO	10.99	10.99	10.98	10.98	10.98	10.90	10.91	10.91	10.91	10.91	10.90	10.90	10.91	10.91
PROGRESSIVE PROGETTO	-8.06	-6.00	-4.75	-3.50	0.00	3.50	5.64	6.89	8.21					
PARZIALI PROGETTO	2.06	1.25	1.25	3.50	3.50	2.14	1.25	1.32						
QUOTE PROGETTO	10.98	12.35	12.30	12.24	12.06	11.88	11.76	11.81	10.94					





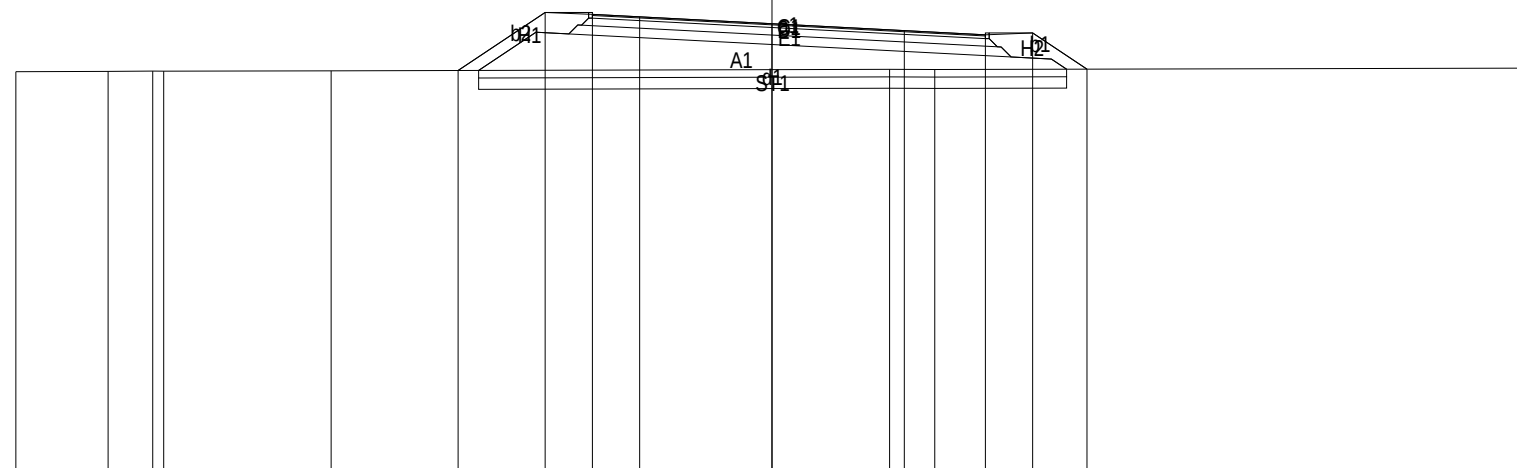


A RILEVATO	m ²	11.62
C BINDER	m ²	0.73
D CEMENTATO	m ²	2.15
E STABILIZZATO	m ²	2.87
H VEGETALE	m ²	2.31
ST STABILIZZAZIONE CALC	m ²	4.62
a USURA	m	10.39
b IDROSEMINA	m	5.89
d SCOTICO	m	15.39

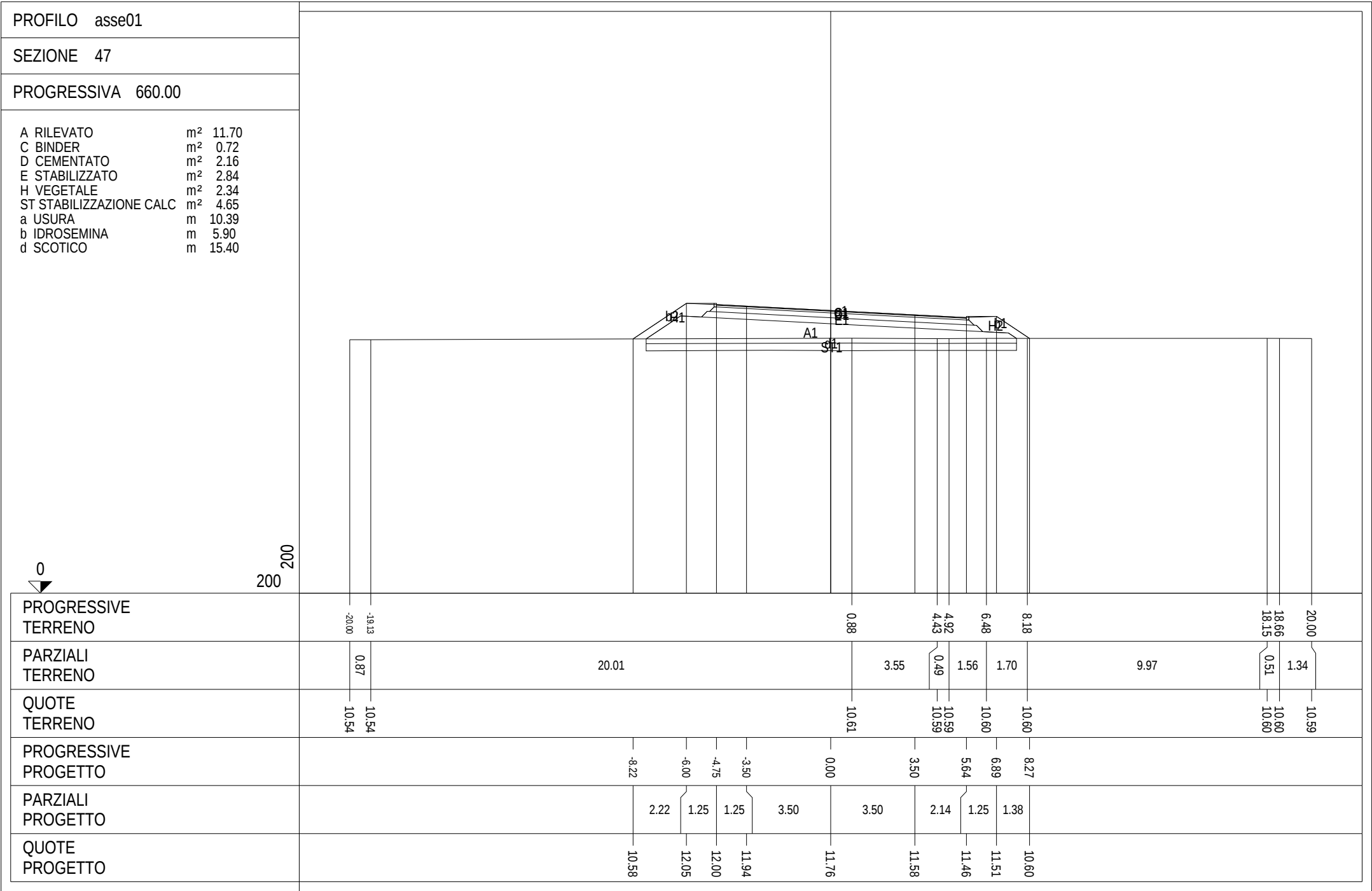


PROGRESSIVE TERRENO	20.00	6.71	3.16	-13.61	-20.00
PARZIALI TERRENO	13.29	9.87	10.45	6.39	
QUOTE TERRENO	10.75	10.72	10.77	10.74	10.70
PROGRESSIVE PROGETTO	8.30	6.89	5.64	3.50	0.00
PARZIALI PROGETTO	1.41	1.25	2.14	3.50	3.50
QUOTE PROGETTO	10.73	11.66	11.61	11.73	11.91

A RILEVATO	m ²	12.60
C BINDER	m ²	0.74
D CEMENTATO	m ²	2.15
E STABILIZZATO	m ²	2.85
H VEGETALE	m ²	2.36
ST STABILIZZAZIONE CALC	m ²	4.68
a USURA	m	10.39
b IDROSEMINA	m	6.04
d SCOTICO	m	15.55



PROGRESSIVE TERRENO	20.00	4.31	3.11	-11.66	-16.09	-16.38	-17.56	-20.00
PARZIALI TERRENO		1.20		14.77	0.29	1.18	2.44	
QUOTE TERRENO	10.70	10.67	10.67	10.63	10.62	10.62	10.62	10.61
PROGRESSIVE PROGETTO		3.50	5.64	0.00	-3.50	-4.75	-6.00	-8.30
PARZIALI PROGETTO		2.14	1.25	3.50	1.25	1.25	2.30	
QUOTE PROGETTO		11.70	11.58	11.88	12.06	12.12	12.17	10.64

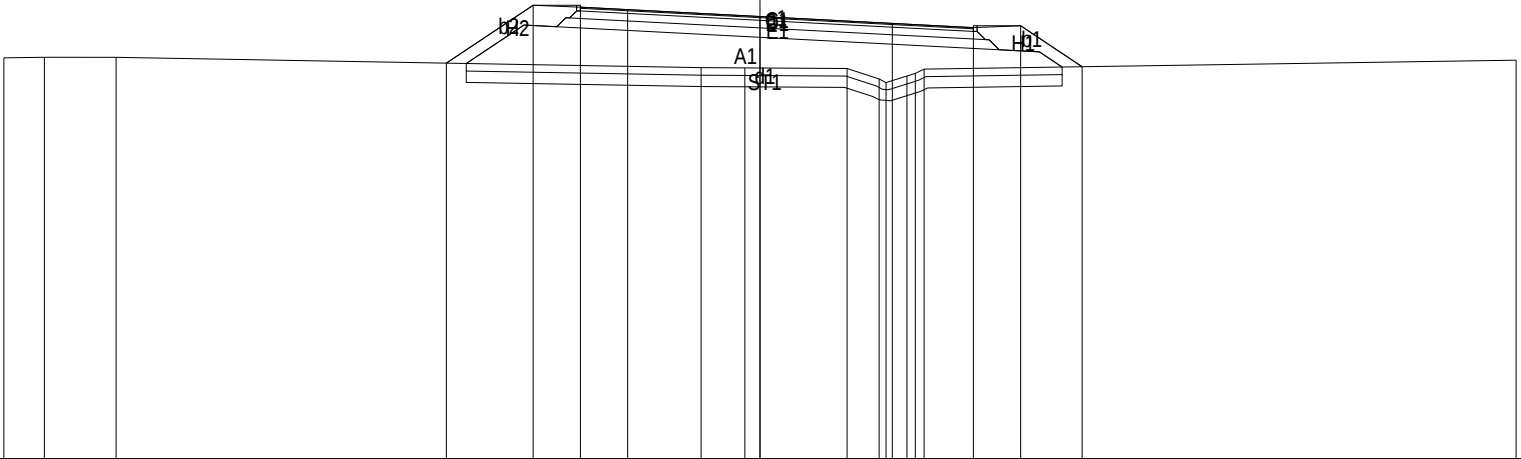


PROFILO asse01

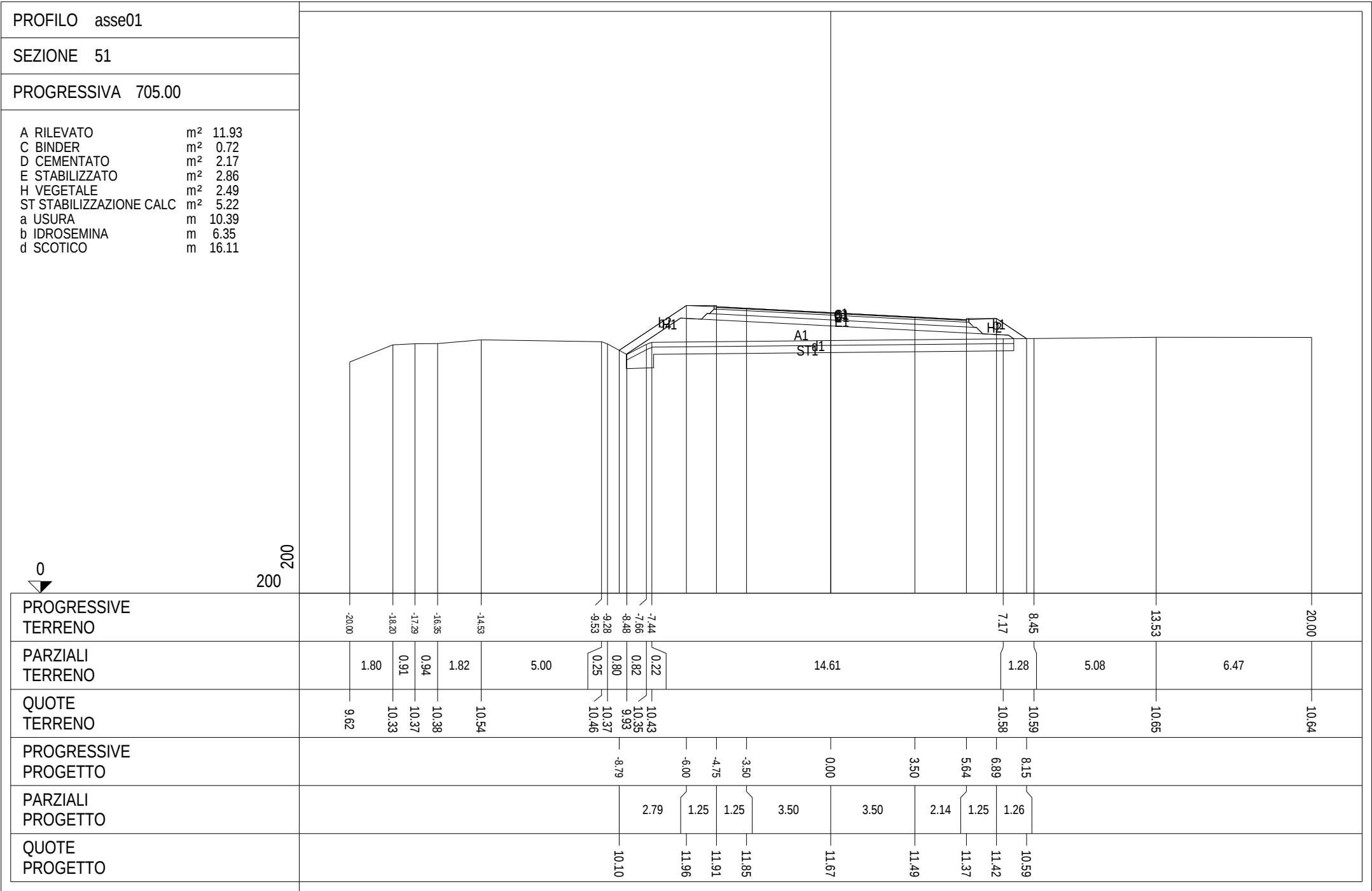
SEZIONE 50

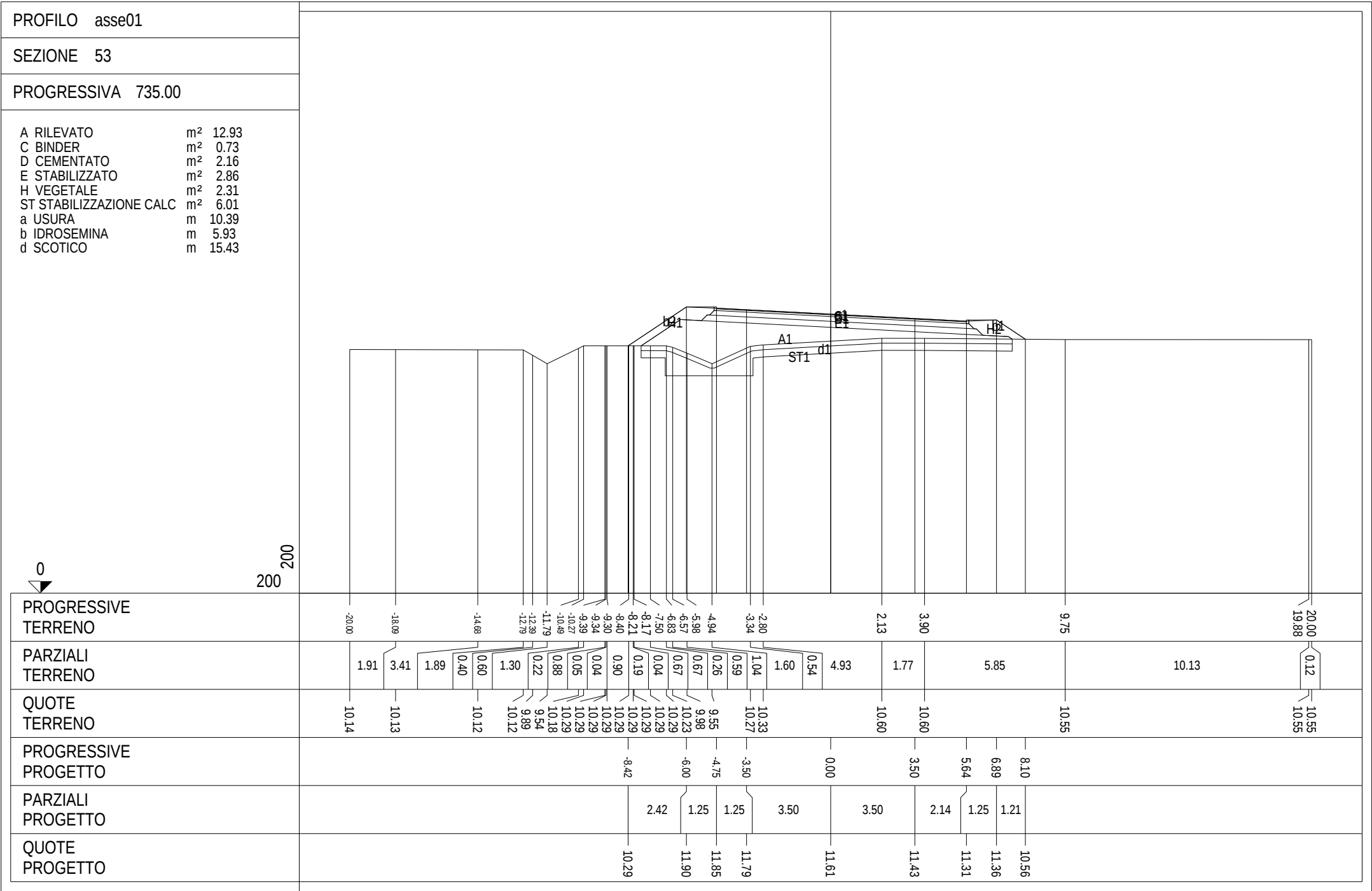
PROGRESSIVA 690.00

A RILEVATO	m²	14.93
C BINDER	m²	0.72
D CEMENTATO	m²	2.15
E STABILIZZATO	m²	2.88
H VEGETALE	m²	2.42
ST STABILIZZAZIONE CALC	m²	4.77
a USURA	m	10.39
b IDROSEMINA	m	6.23
d SCOTICO	m	15.76

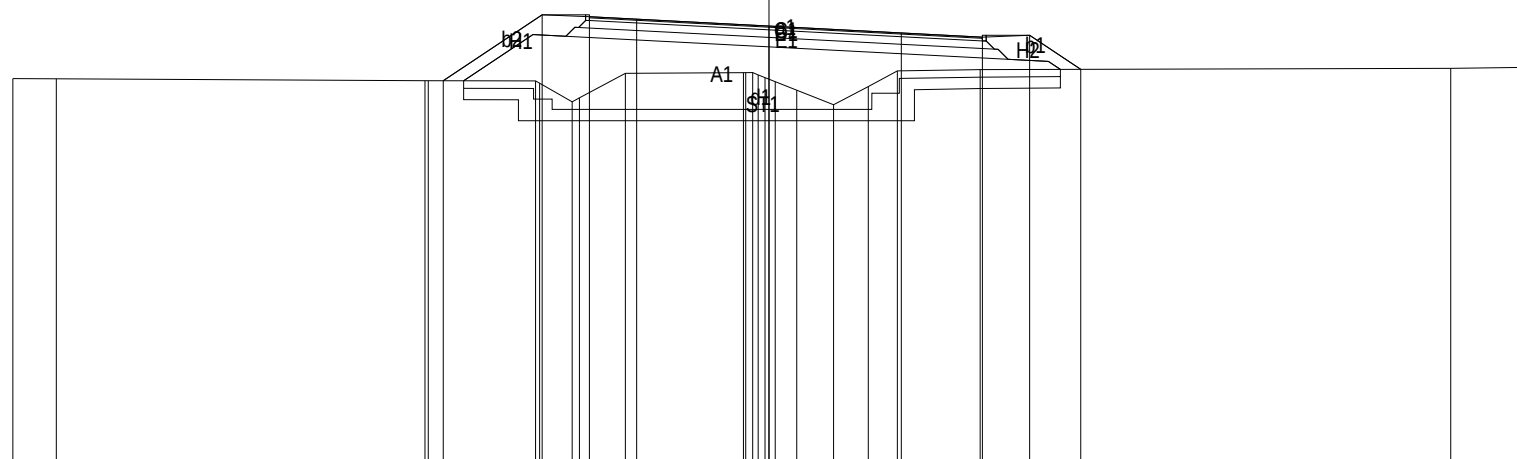


PROGRESSIVE TERRENO	-20.00	-18.93	-17.03		-1.56	-0.40		2.30	3.15	3.33	3.89	4.11	4.34		20.00
PARZIALI TERRENO	1.07	1.90		15.47	1.16	2.70	0.85	0.18	0.56	0.22	0.23			15.66	
QUOTE TERRENO	10.60	10.62	10.62		10.35	10.34		10.32	10.05	9.95	10.12	10.19	10.31		10.54
PROGRESSIVE PROGETTO				-8.30	-6.00	-4.75	-3.50	0.00	3.50	5.64	6.89	8.52			
PARZIALI PROGETTO		2.30	1.25	1.25	3.50		3.50		2.14	1.25	1.63				
QUOTE PROGETTO		10.46	11.99	11.88		11.70		11.52		11.40	11.45	10.37			





A RILEVATO	m ²	19.95
C BINDER	m ²	0.73
D CEMENTATO	m ²	2.17
E STABILIZZATO	m ²	2.86
H VEGETALE	m ²	2.44
ST STABILIZZAZIONE CALC	m ²	5.76
a USURA	m	10.39
b IDROSEMINA	m	6.28
d SCOTICO	m	15.79



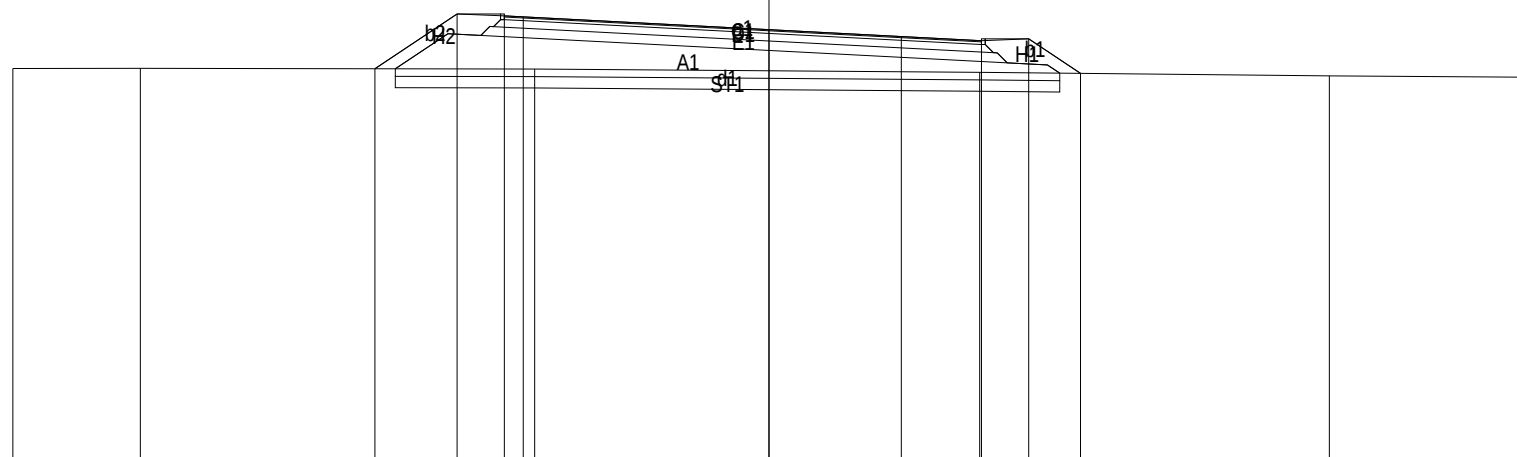
PROGRESSIVE TERRENO	20.00	18.03	5.59	3.40	2.63	1.71	0.73	0.17	-0.10	-0.29	-0.43	-0.62	-0.68	-3.80	-5.01	-5.21	-6.07	-9.01	-9.10	-18.85	-20.00
PARZIALI TERRENO	1.97	12.44	2.19	0.77	0.92	0.98	0.56	0.27	0.19	0.14	0.19	0.06	3.12	1.21	0.20	0.86	0.10	0.09	9.75	1.15	
QUOTE TERRENO	10.48	10.46	10.43	10.39	9.98	9.50	9.88	10.11	10.21	10.28	10.35	10.34	10.34	10.33	9.68	9.57	10.07	10.13	10.13	10.18	10.19
PROGRESSIVE PROGETTO	8.25	6.89	5.64	3.50			0.00							-3.50	-4.75	-6.00		-8.62			
PARZIALI PROGETTO	1.36	1.25	2.14	3.50	3.50						3.50			1.25	1.25	2.62					
QUOTE PROGETTO	10.43	11.33	11.28	11.40			11.58							11.76	11.82	11.87		10.13			

QUOTE
PROGETTO

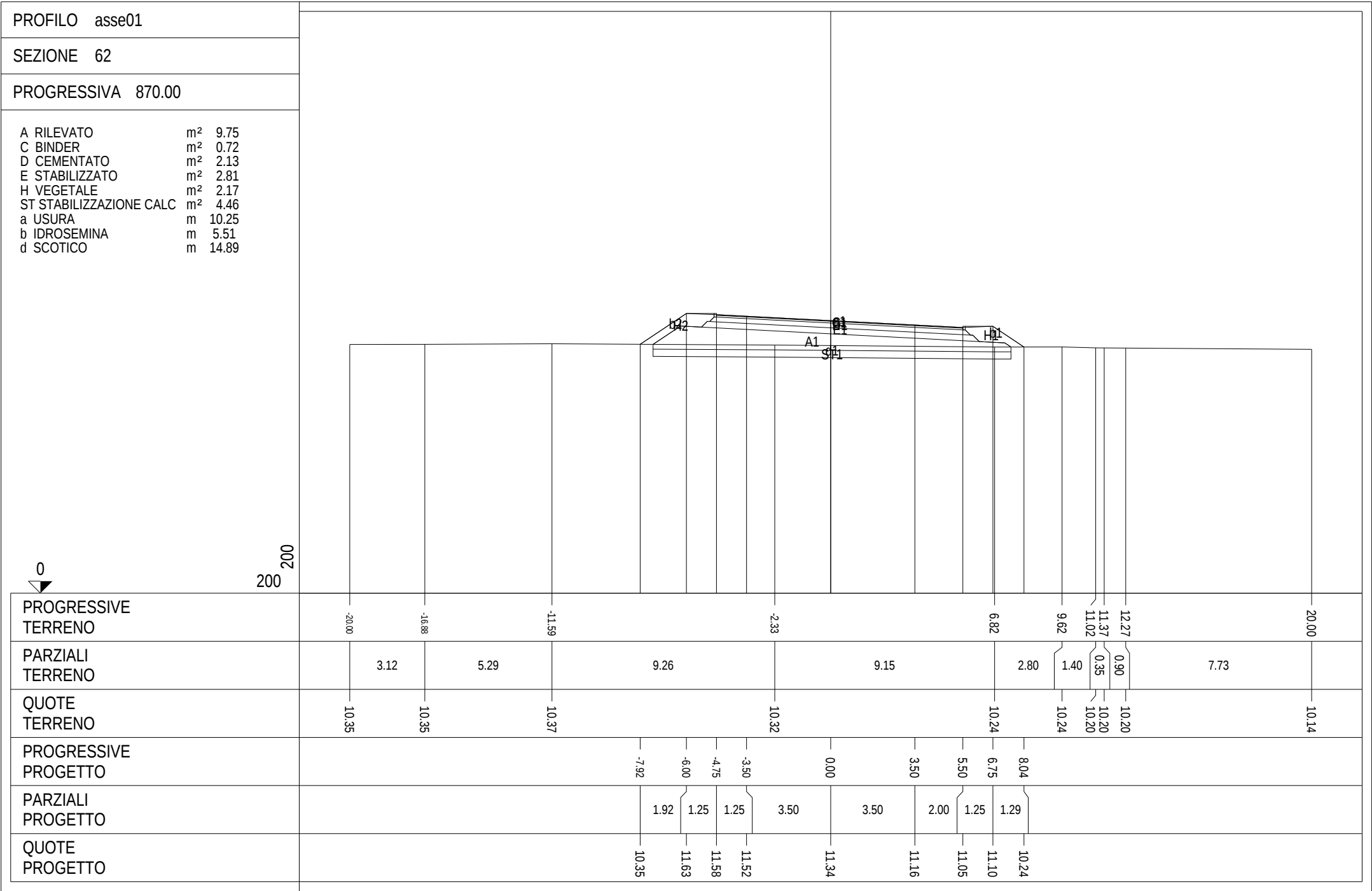
QUOTE
PROGETTO

PARZIALI TERRENO	4.15	16.09	3.55	0.83	4.60	0.29	0.69	1.18	0.34	2.63	0.10	0.26	0.31	0.43	2.62	1.93
QUOTE TERRENO	10.22	10.20	10.15	10.10	10.09	10.04	9.95	9.72	10.21	10.34	10.39	10.39	10.40	10.41	10.38	10.39
PROGRESSIVE PROGETTO		-8.41	0.00	3.50	5.64	8.69			6.89							
PARZIALI PROGETTO		2.41	1.25	1.25	3.50	1.80	1.25	2.14	3.50							
QUOTE PROGETTO		10.18	11.78	11.67	11.49	11.31	11.19	11.24	10.04							

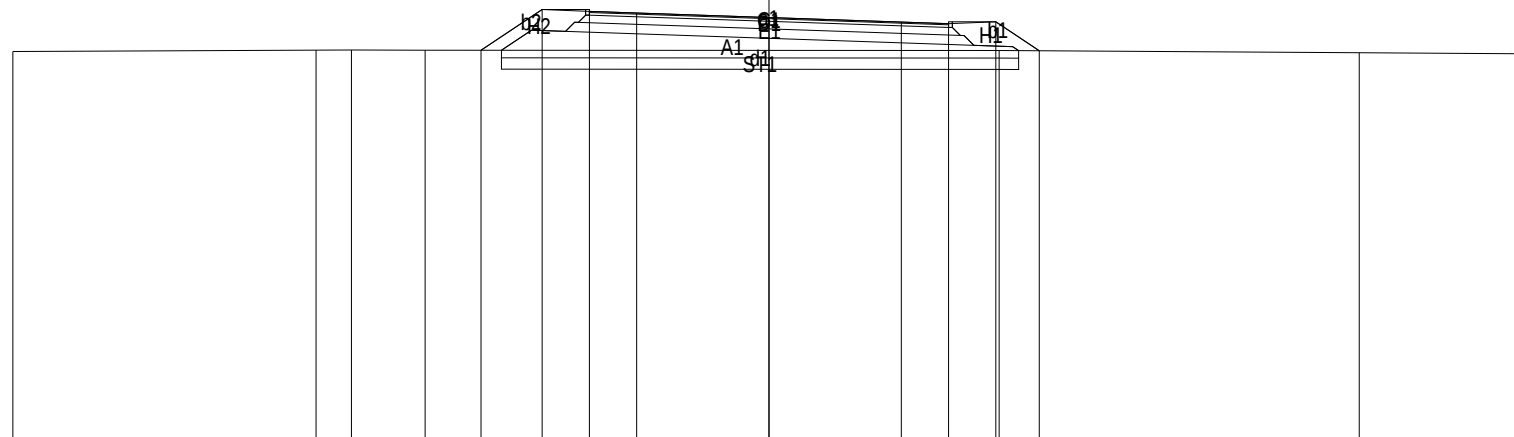
A RILEVATO	m ²	13.16
C BINDER	m ²	0.88
D CEMENTATO	m ²	2.59
E STABILIZZATO	m ²	3.43
H VEGETALE	m ²	2.30
ST STABILIZZAZIONE CALC	m ²	5.27
a USURA	m	12.62
b IDROSEMINA	m	5.84
d SCOTICO	m	17.57



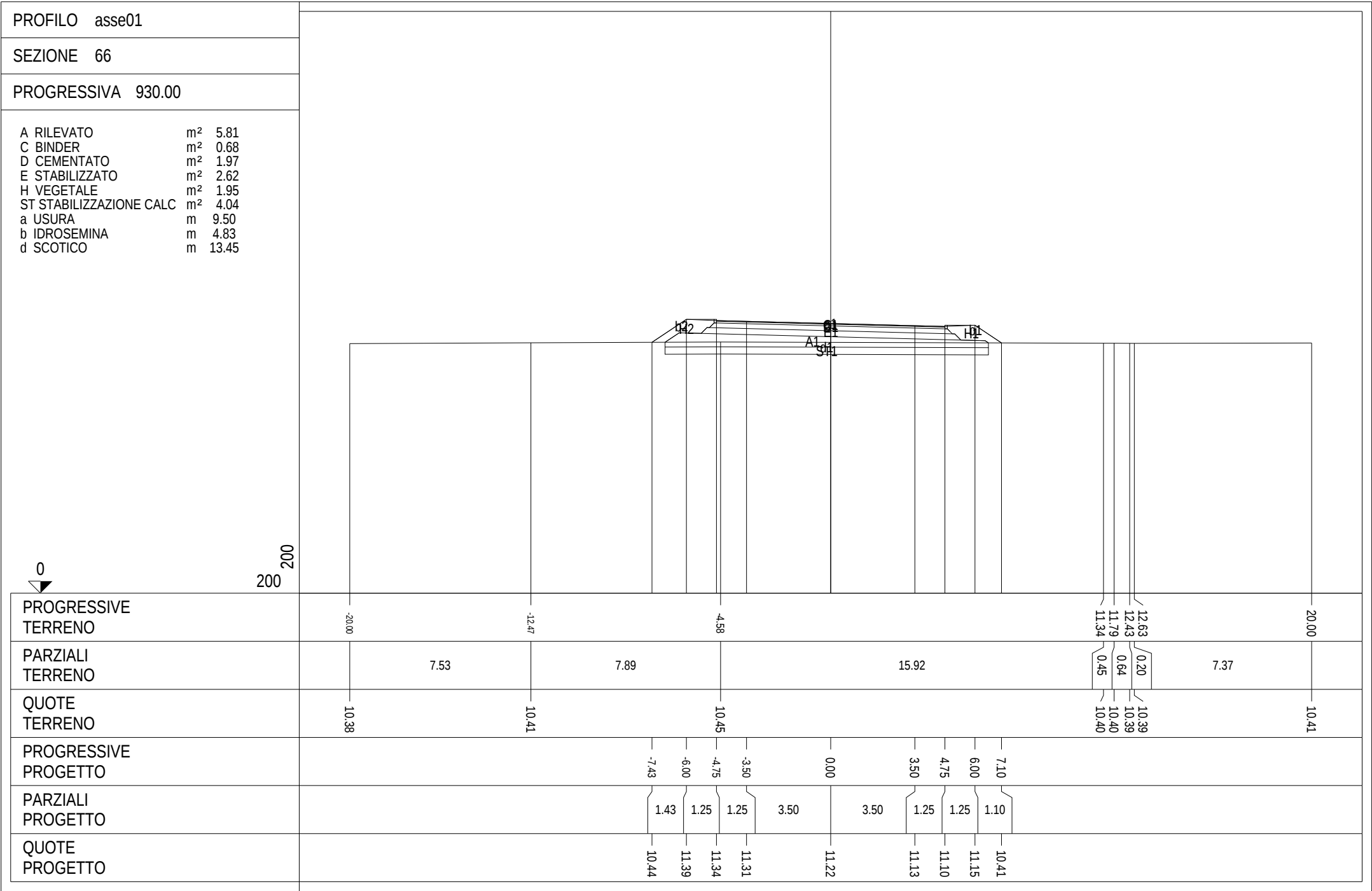
PROGRESSIVE TERRENO	20.00	14.82	5.57	-6.20	-16.63	-20.00
PARZIALI TERRENO	5.18	9.25	11.77	10.43	3.37	
QUOTE TERRENO	10.12	10.15	10.25	10.33	10.35	10.35
PROGRESSIVE PROGETTO	8.24	6.87	5.62	3.50	0.00	-10.42
PARZIALI PROGETTO	1.37	1.25	2.12	3.50	6.50	2.17
QUOTE PROGETTO	10.22	11.13	11.08	11.19	11.38	10.34

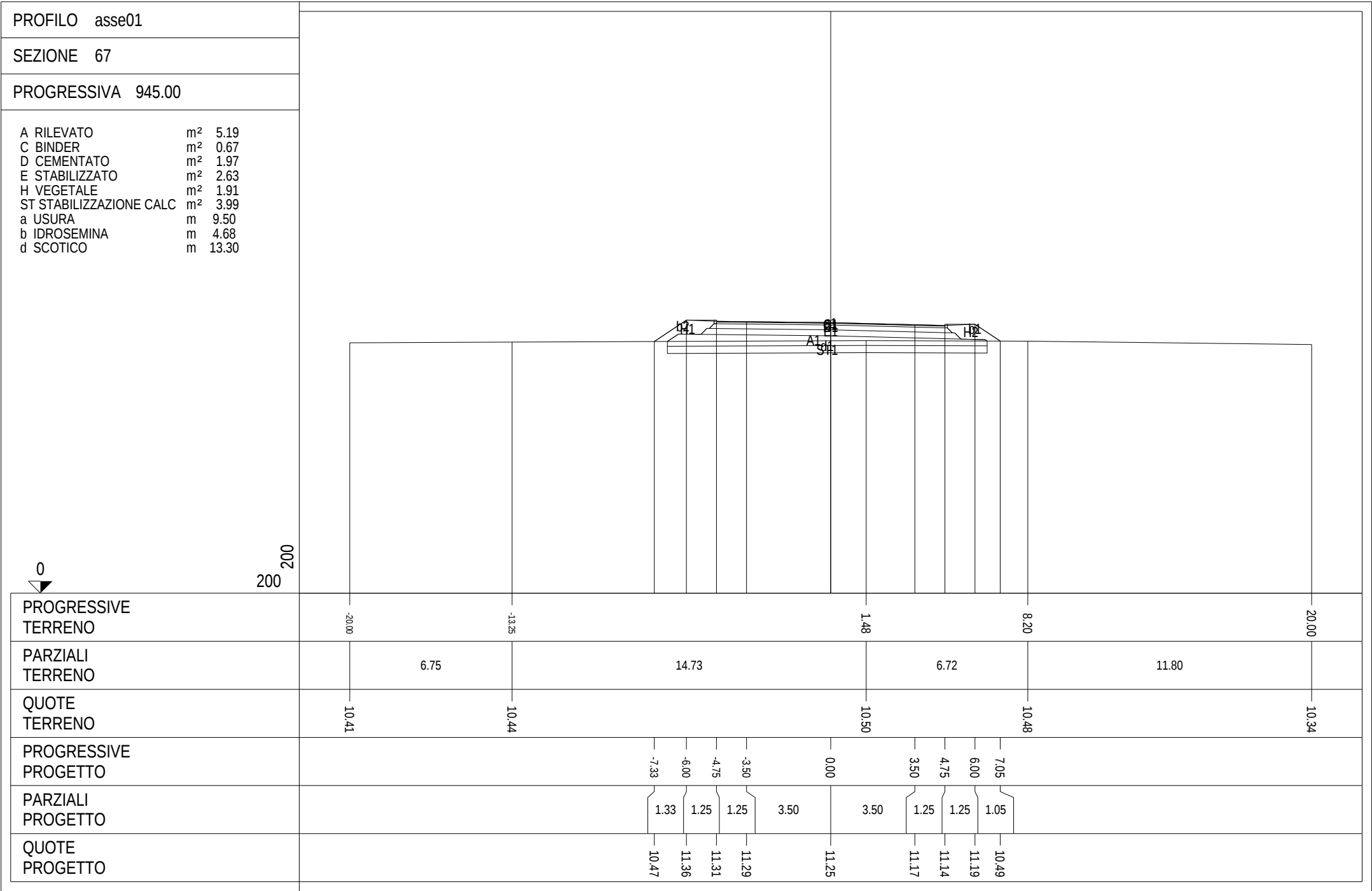


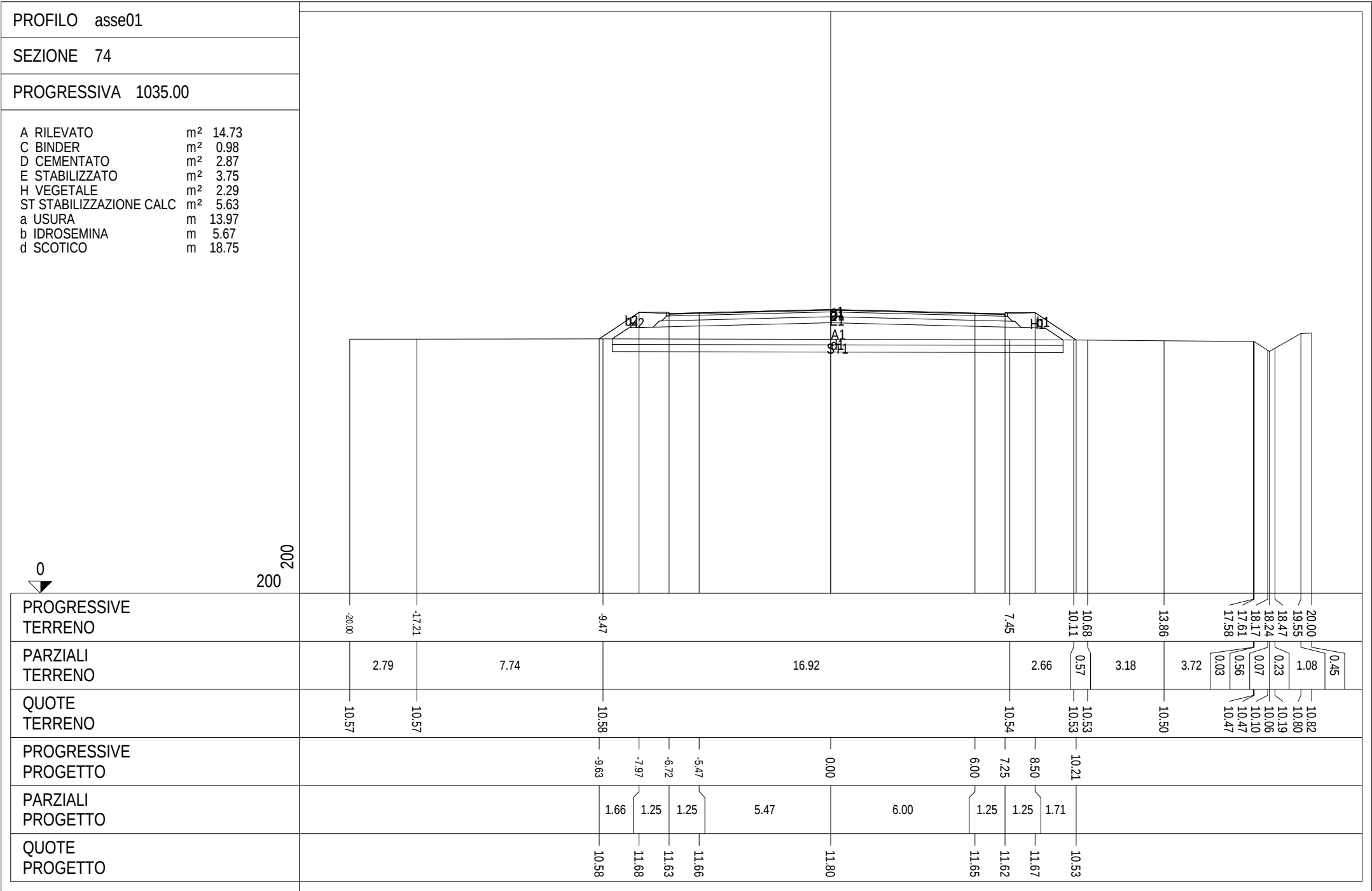
A RILEVATO	m ²	6.98
C BINDER	m ²	0.68
D CEMENTATO	m ²	1.98
E STABILIZZATO	m ²	2.64
H VEGETALE	m ²	2.03
ST STABILIZZAZIONE CALC	m ²	4.10
a USURA	m	9.50
b IDROSEMINA	m	5.07
d SCOTICO	m	13.68

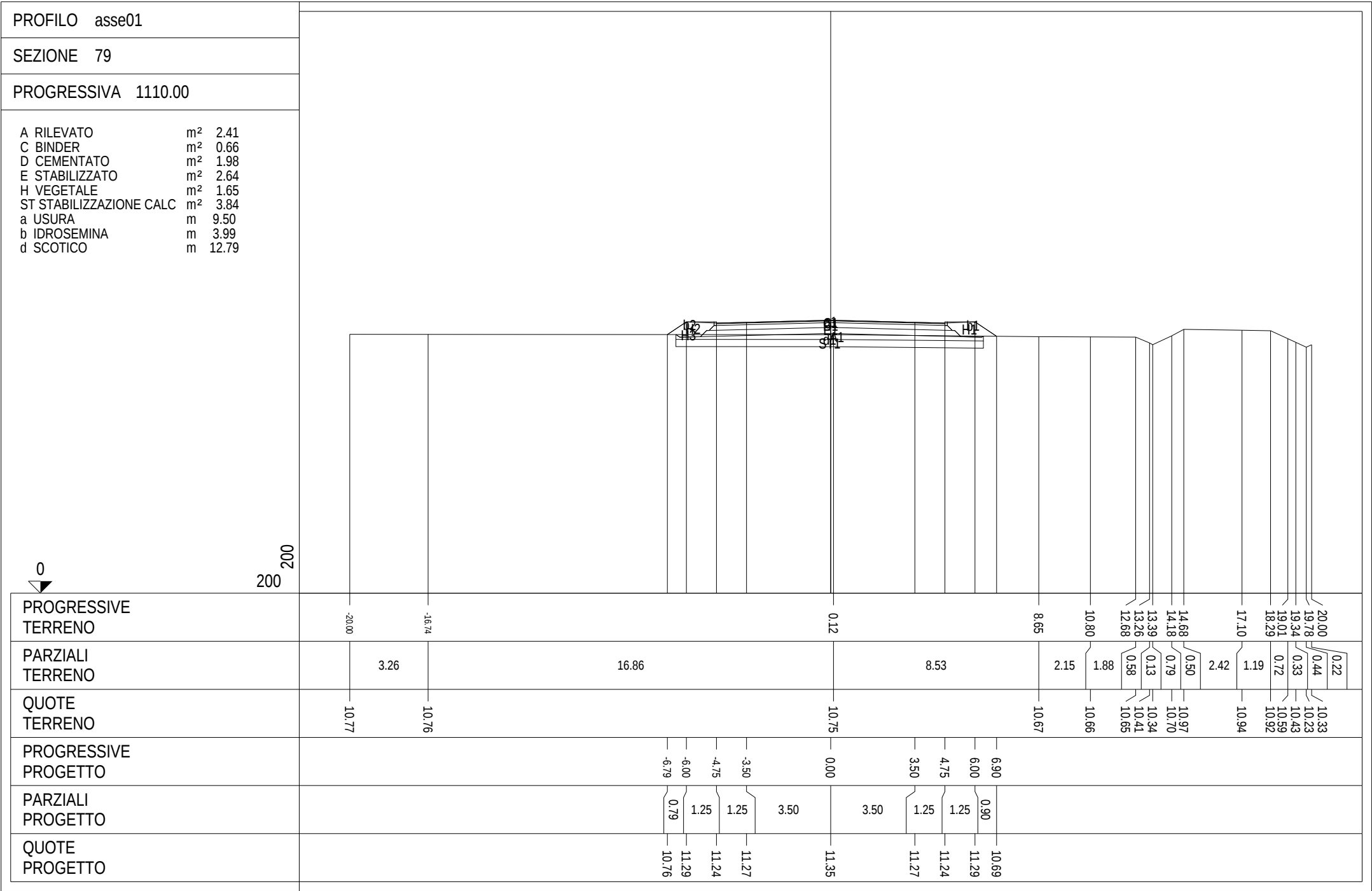


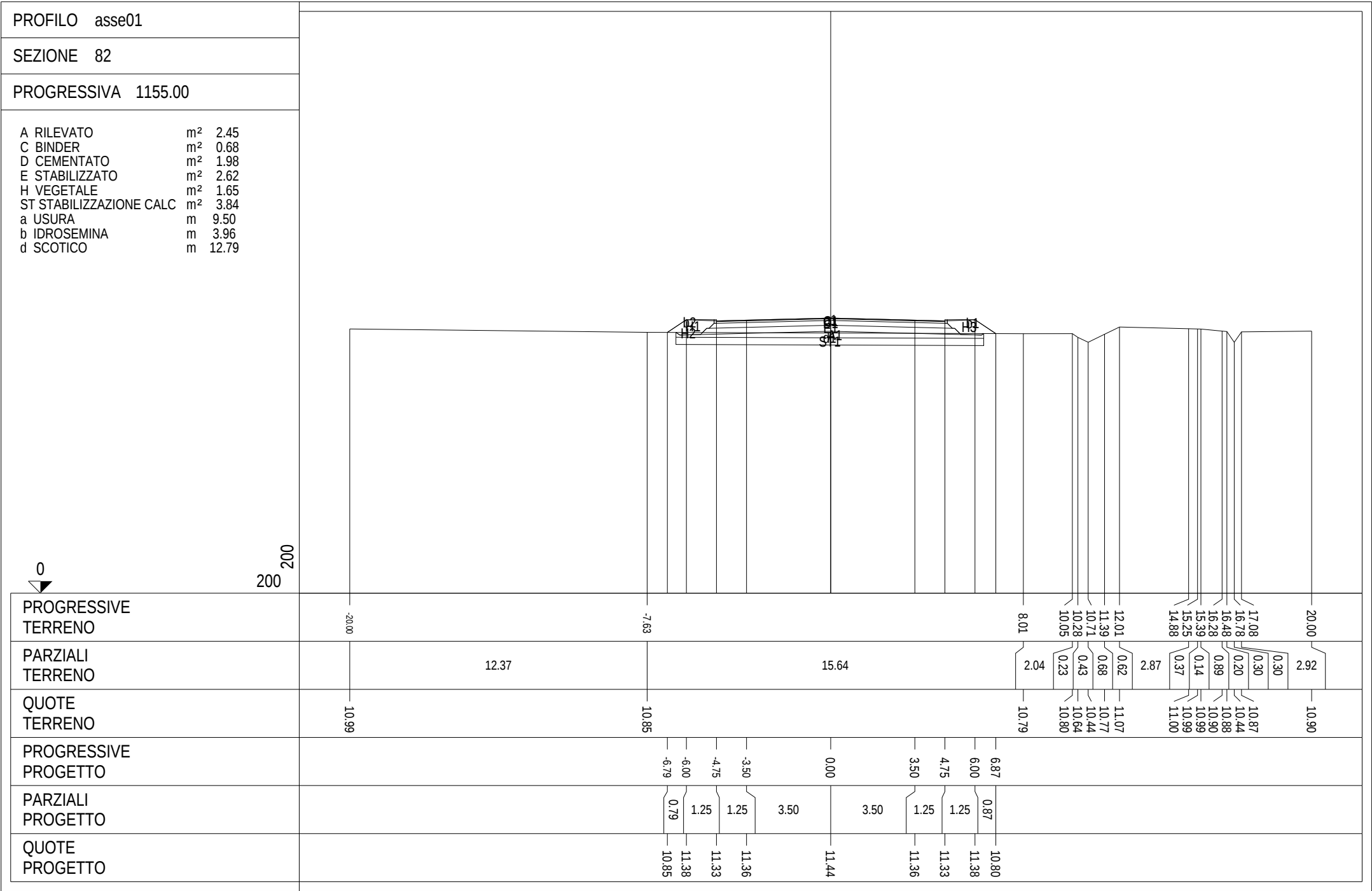
PROGRESSIVE TERRENO	20.00	15.61	6.09	-9.10	-11.04	-11.98	-20.00
PARZIALI TERRENO	4.39	9.52	15.19	1.94	0.94	8.02	
QUOTE TERRENO	10.29	10.32	10.38	10.38	10.39	10.35	
PROGRESSIVE PROGETTO	7.15	6.00	3.50	4.75	0.00	-3.50	-4.75
PARZIALI PROGETTO	1.15	1.25	1.25	3.50	3.50	1.25	1.62
QUOTE PROGETTO	10.37	11.14	11.09	11.13	11.25	11.37	11.46

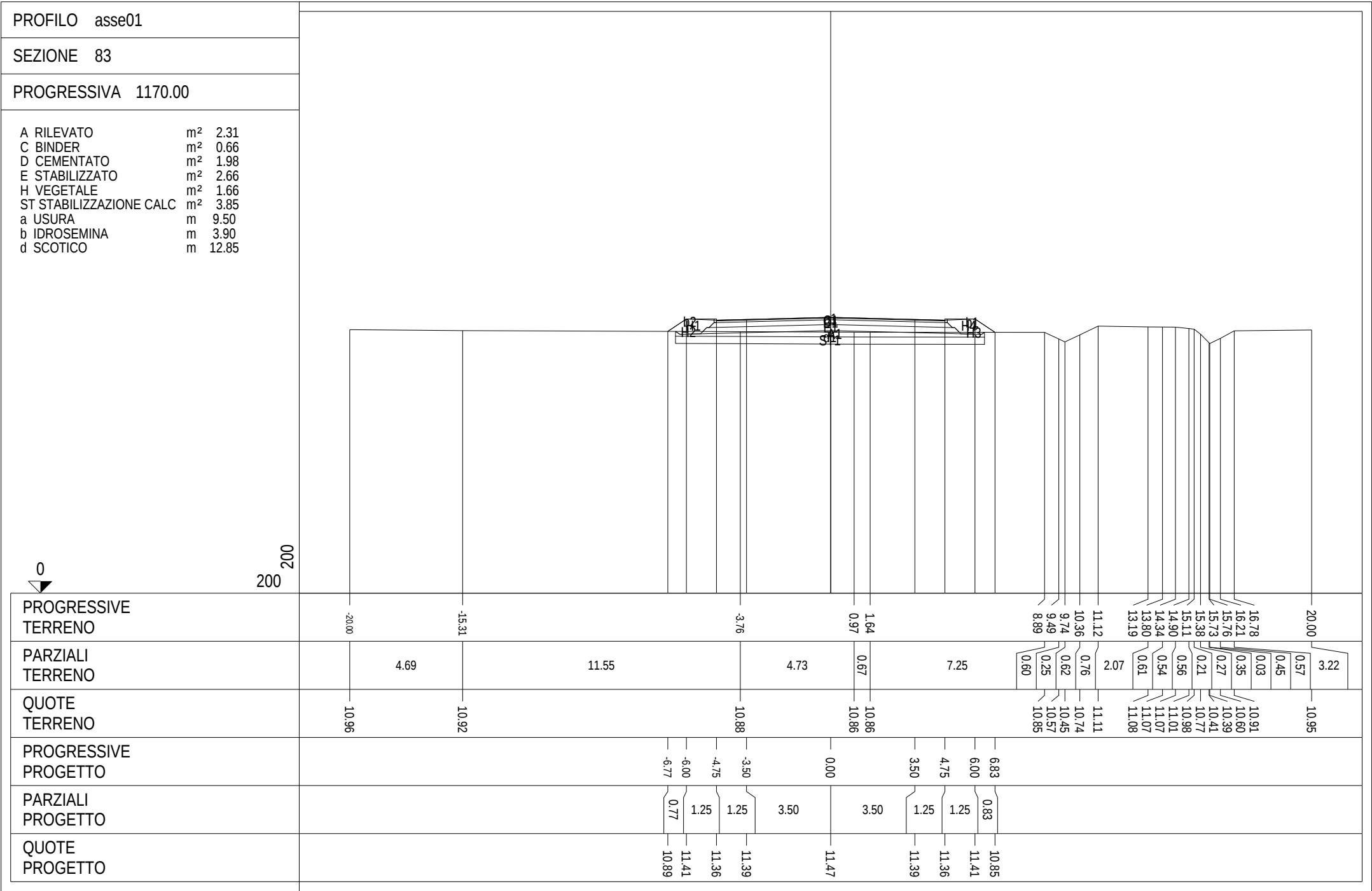


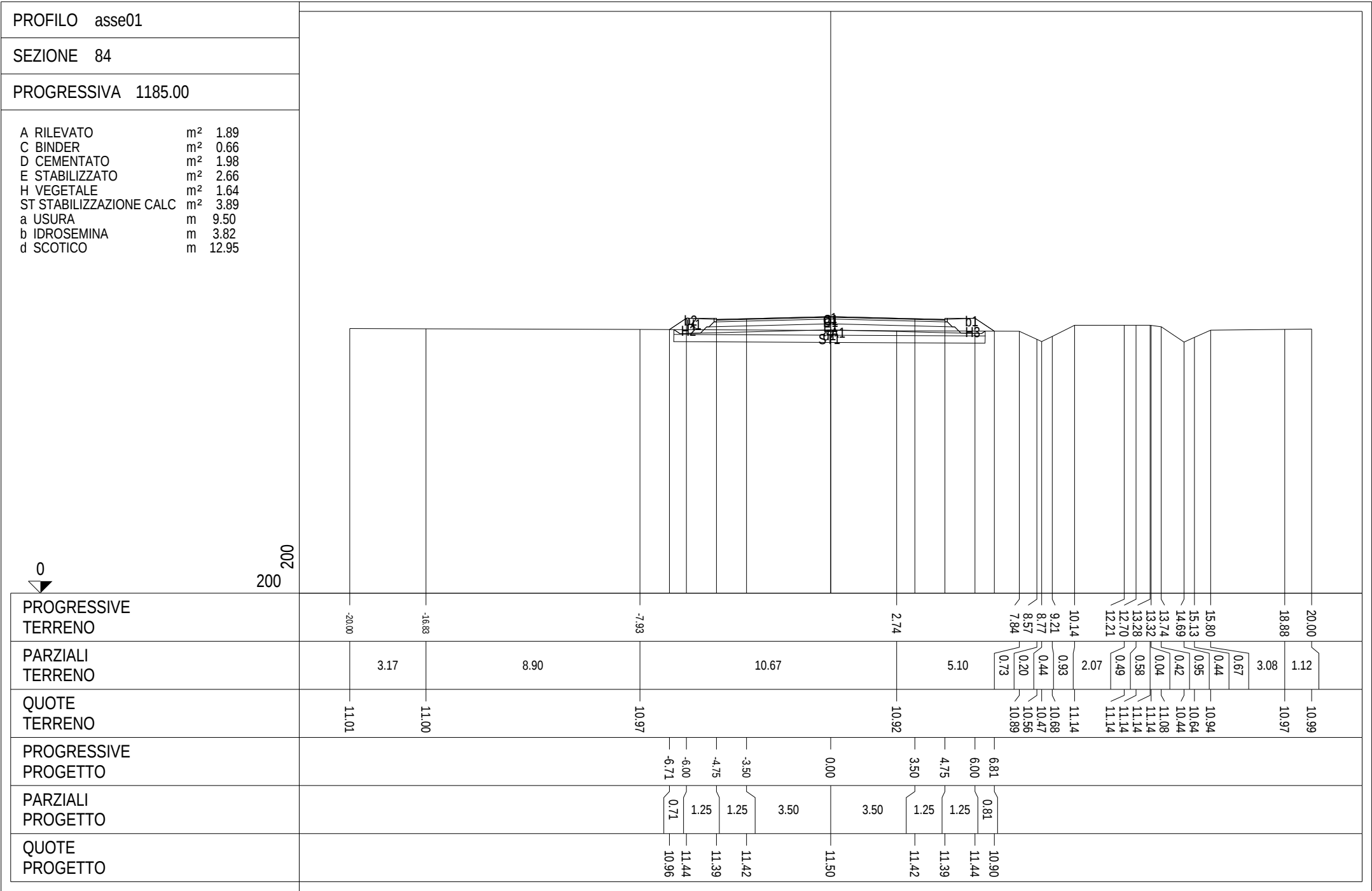


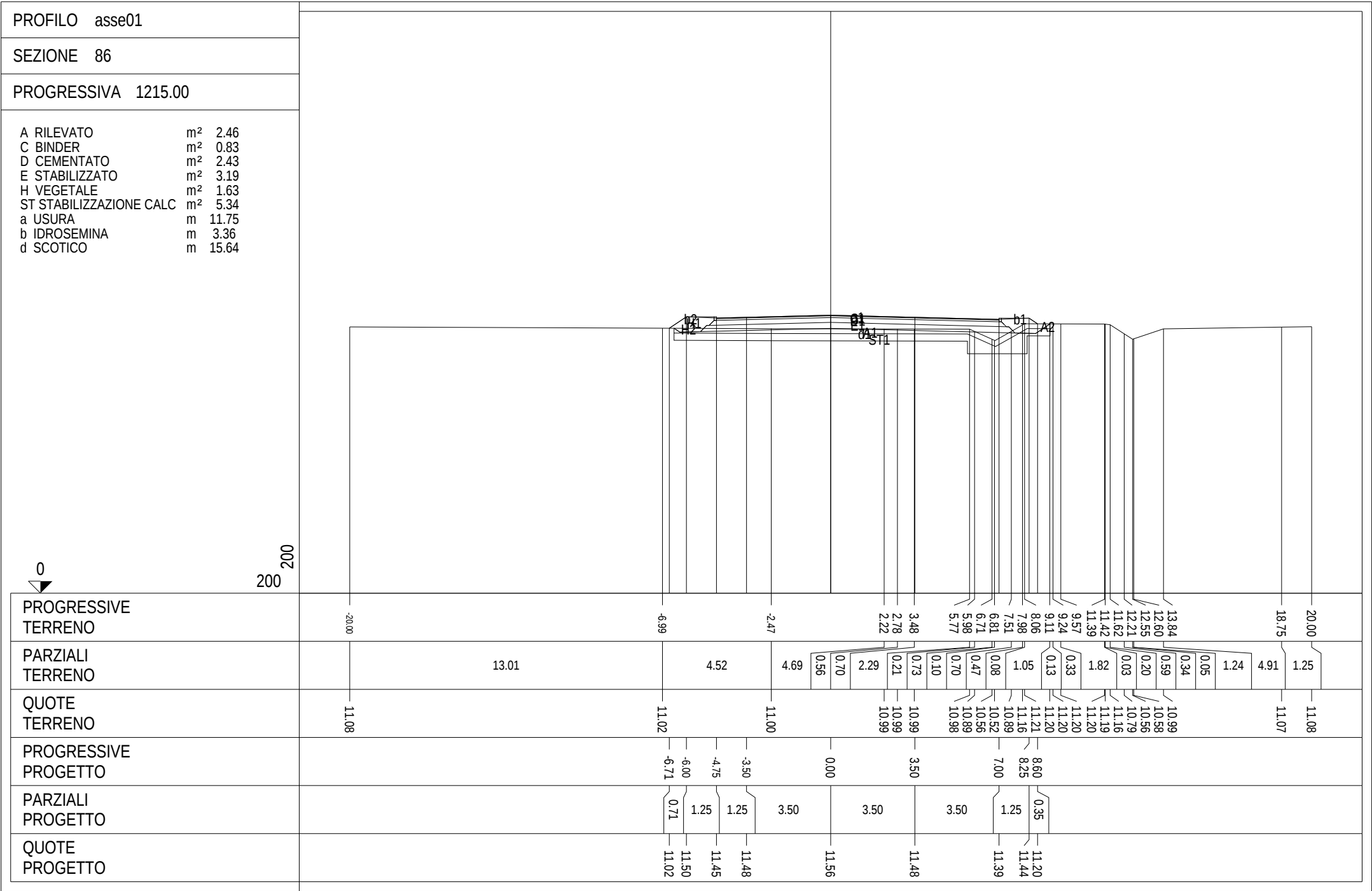


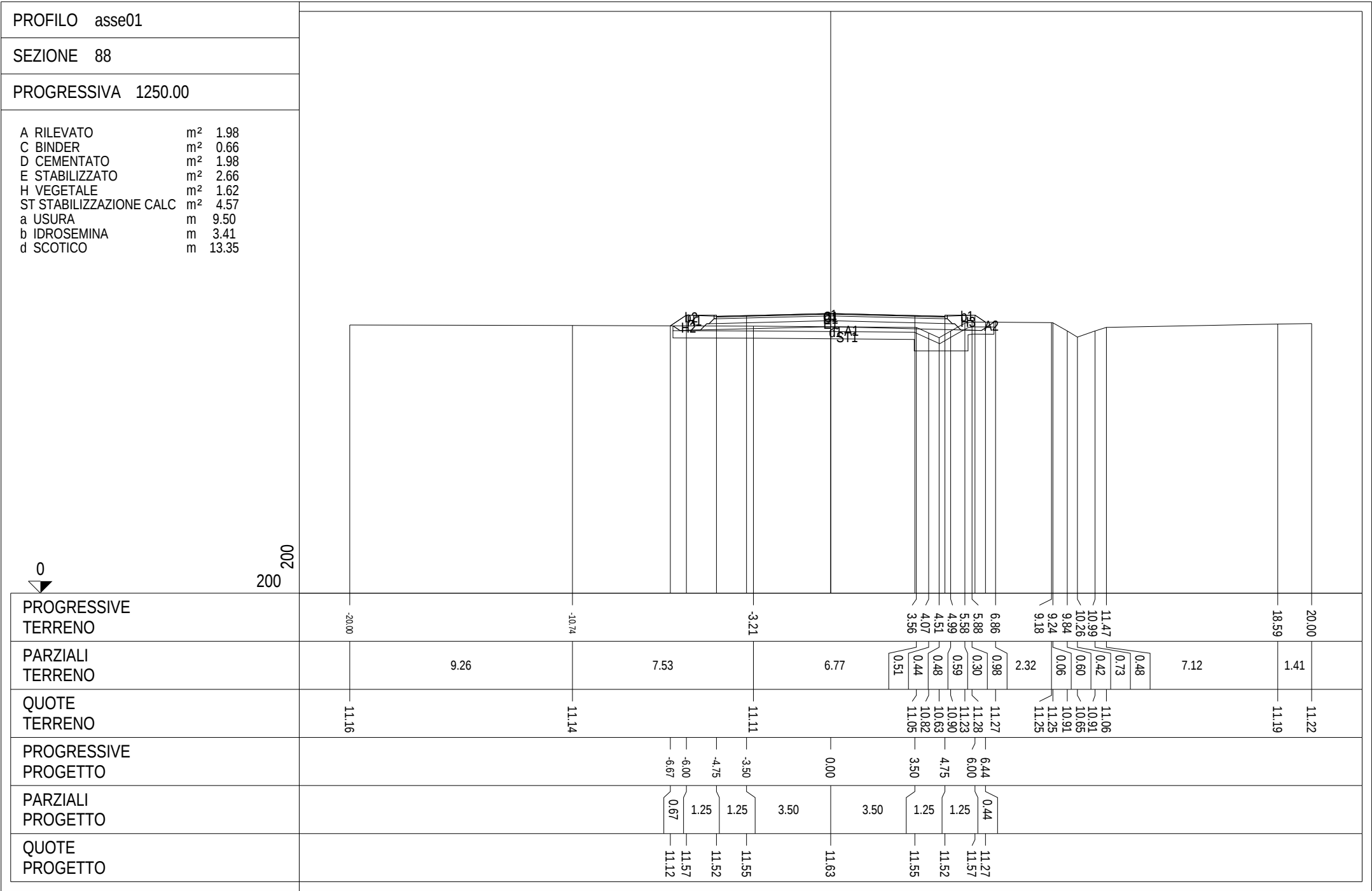




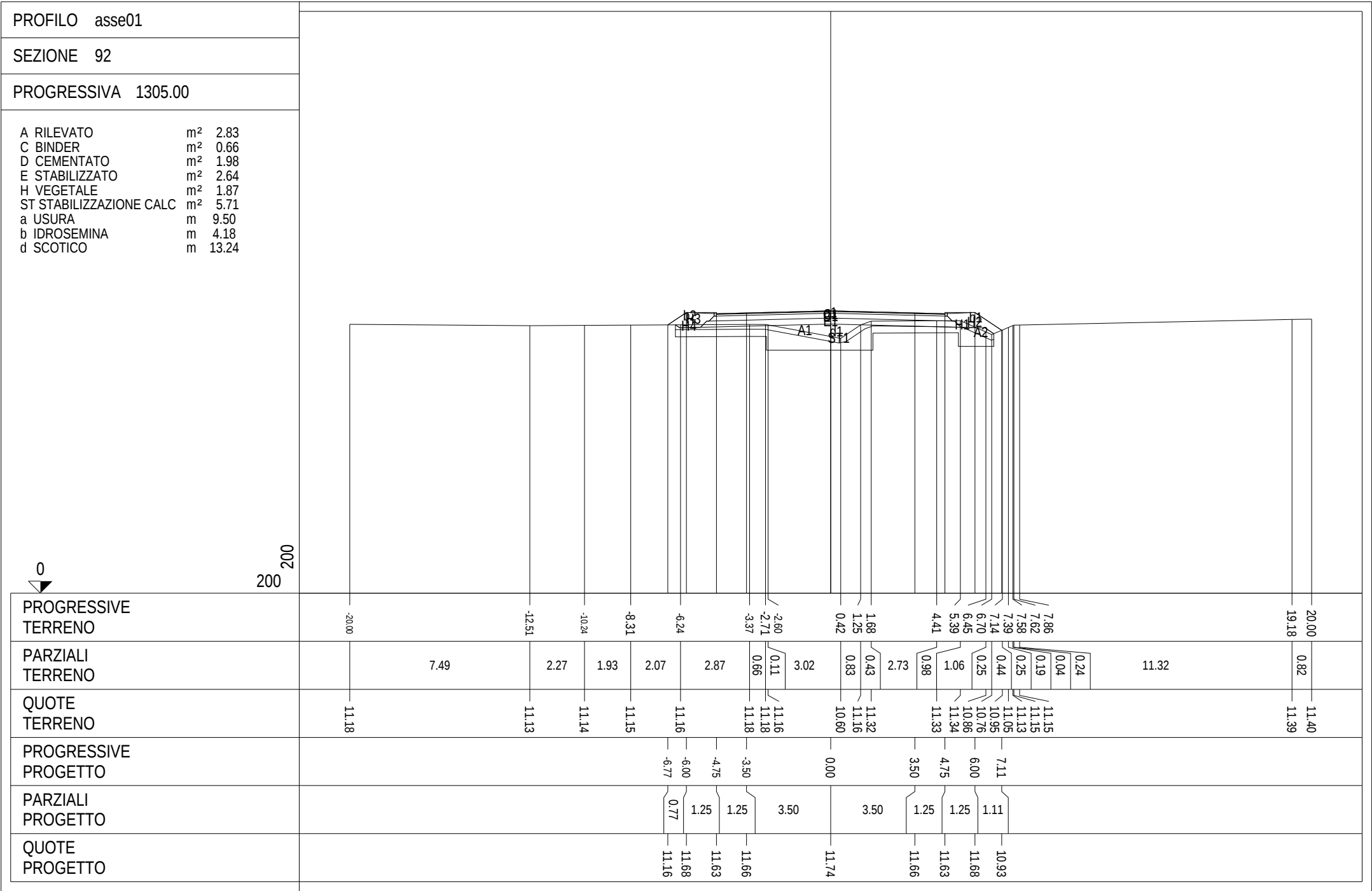


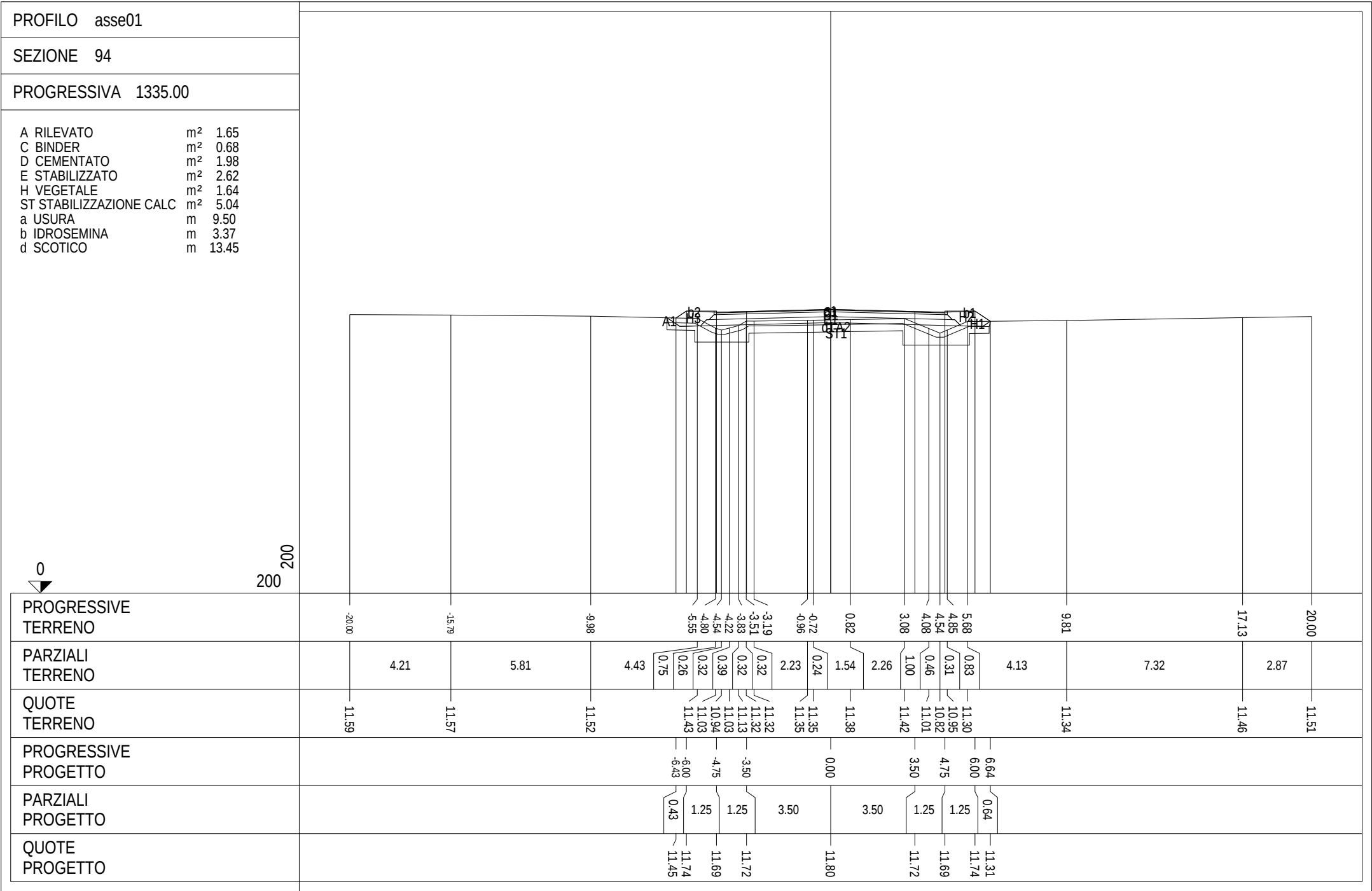


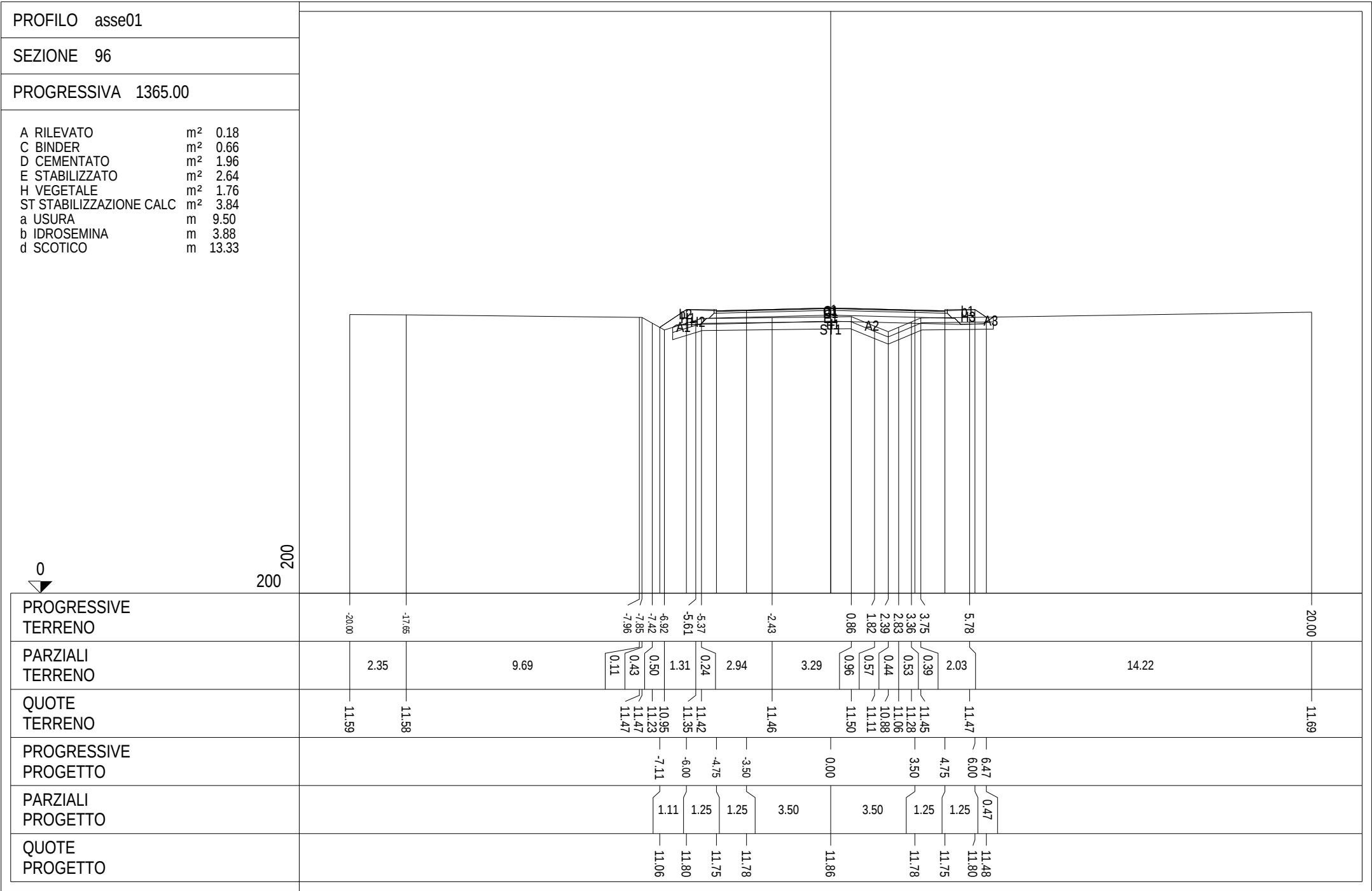




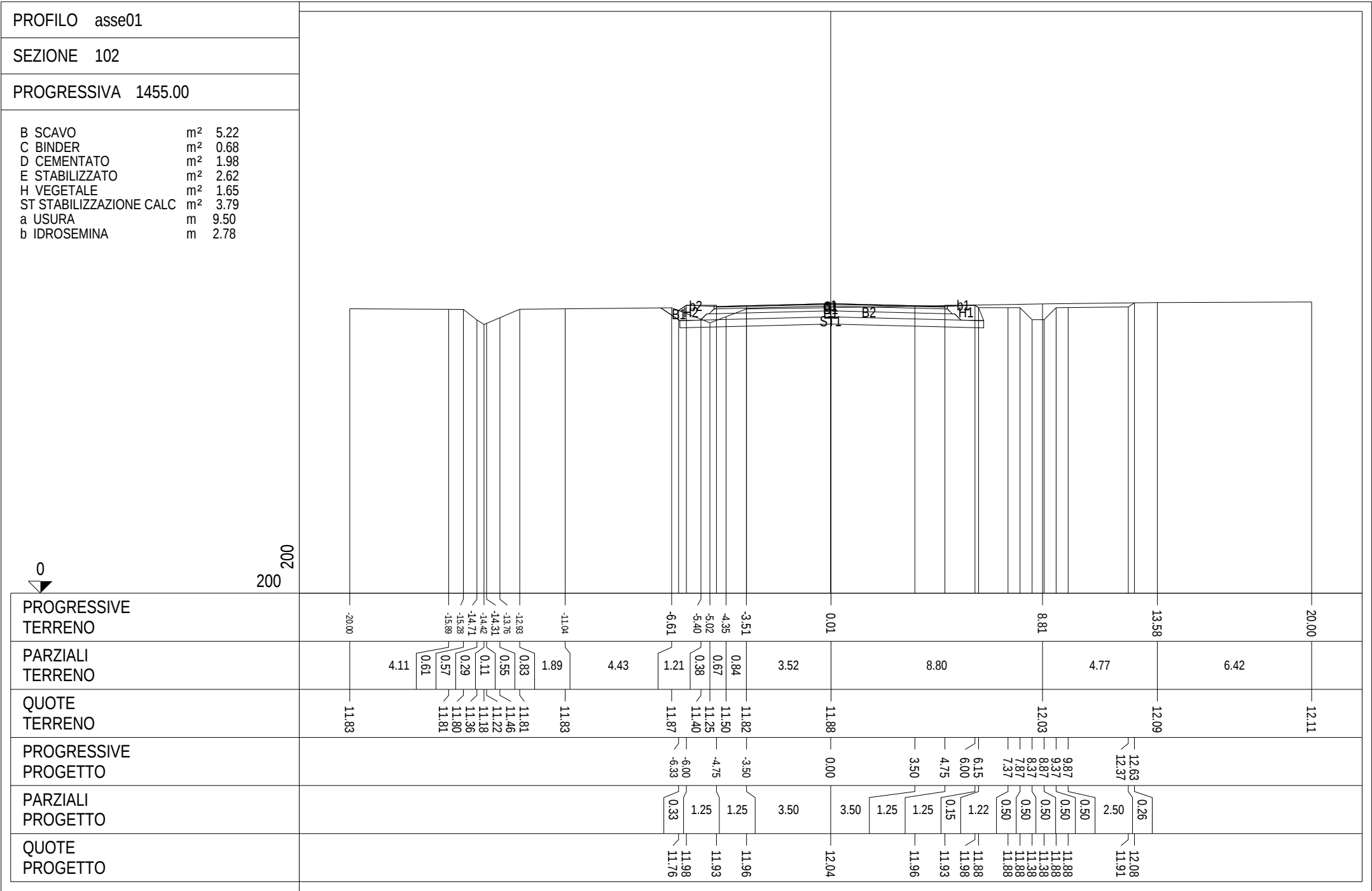
[illegible]







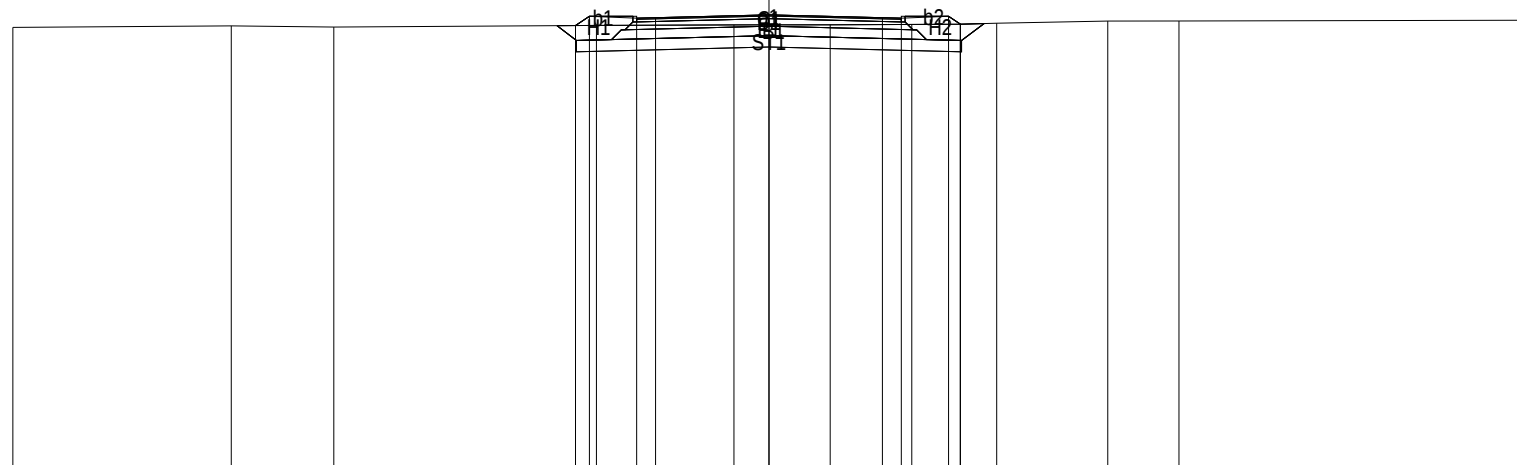
PROFILO	asse01	
SEZIONE	99	
PROGRESSIVA	1410.00	
A RILEVATO C BINDER D CEMENTATO E STABILIZZATO H VEGETALE ST STABILIZZAZIONE CALC a USURA b IDROSEMINA d SCOTICO m² 0.91 m² 0.66 m² 1.98 m² 2.64 m² 1.61 m² 2.86 m 9.50 m 3.06 m 13.63		
The diagram shows a cross-section of a road with a central gutter and two side slopes. The gutter is marked with 'A1', 'A2', 'A3', 'A4', 'A5', 'A6', 'A7', 'A8'. The layers are labeled 'a', 'b', 'c', 'd', 'e', 'f', 'g', 'h'. The elevations are marked on the right side of the diagram. The profile is shown in a perspective view with a vertical axis labeled '0' and '200'.		
PROGRESSIVE TERRENO	20.00 17.33 5.19 0.58 -0.05 -0.87 -1.50 -2.43 -5.42 -6.67 -6.71 -6.80 -7.58 -8.20 -8.66 -9.05 -9.29 -9.51 -9.69 -10.14 -10.21 -10.82 -11.02 -20.00	
PARZIALI TERRENO	8.98 0.20 0.61 0.07 0.45 0.18 0.22 0.24 0.10 0.29 0.46 0.62 0.78 0.06 0.03 0.04 1.25 2.99 0.93 0.63 0.82 4.61 12.14 2.67	
QUOTE TERRENO	11.89 11.86 11.69 11.62 11.38 11.04 11.30 11.69 11.65 11.64 11.64 11.64 11.63 11.62 11.51 11.51 11.48 11.39 11.31 11.25 11.09 11.06 11.40 11.50 11.65	
PROGRESSIVE PROGETTO	6.27 6.00 4.75 3.50 0.00 -3.50 -4.75 -6.00 -6.49 0.49 1.25 1.25 3.50 3.50 1.25 1.25 0.27	
PARZIALI PROGETTO	11.71 11.89 11.84 11.87 11.95 11.93 11.92 11.97 11.64	
QUOTE PROGETTO	11.71 11.89 11.84 11.87 11.95 11.93 11.92 11.97 11.64	



RAMO LATERALE

PROGRESSIVA 0.00

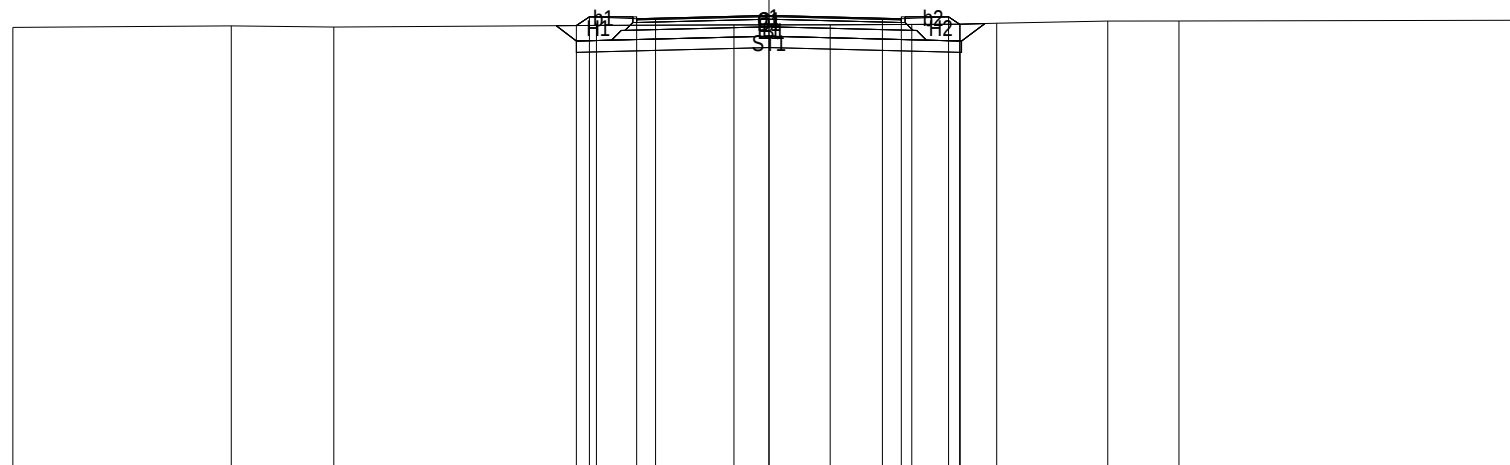
B SCAVO	m ²	3.81
C BINDER	m ²	0.50
D CEMENTATO	m ²	1.48
E STABILIZZATO	m ²	2.02
H VEGETALE	m ²	1.75
ST STABILIZZAZIONE CALC	m ²	3.04
a USURA	m	7.00
b IDROSEMINA	m	2.98



PROGRESSIVE TERRENO	20.00	10.84	8.96	6.02	5.06	3.78	1.62	-0.93	-4.56	-11.51	-14.22	-20.00
PARZIALI TERRENO		9.16	1.88	2.94	0.96	1.28	2.16	2.55	3.63	6.95	2.71	5.78
QUOTE TERRENO	11.92	11.90	11.89	11.84	11.81	11.81	11.80	11.79	11.78	11.74	11.77	11.73
PROGRESSIVE PROGETTO				5.06	4.75	3.50	3.00	0.00	-3.00	-3.50	-4.75	-5.12
PARZIALI PROGETTO				0.31	1.25	0.50	3.00	3.00	0.50	1.25	0.37	
QUOTE PROGETTO				11.81	12.02	11.97	11.98	12.06	11.98	11.97	12.02	11.78

PROGRESSIVA 15.00

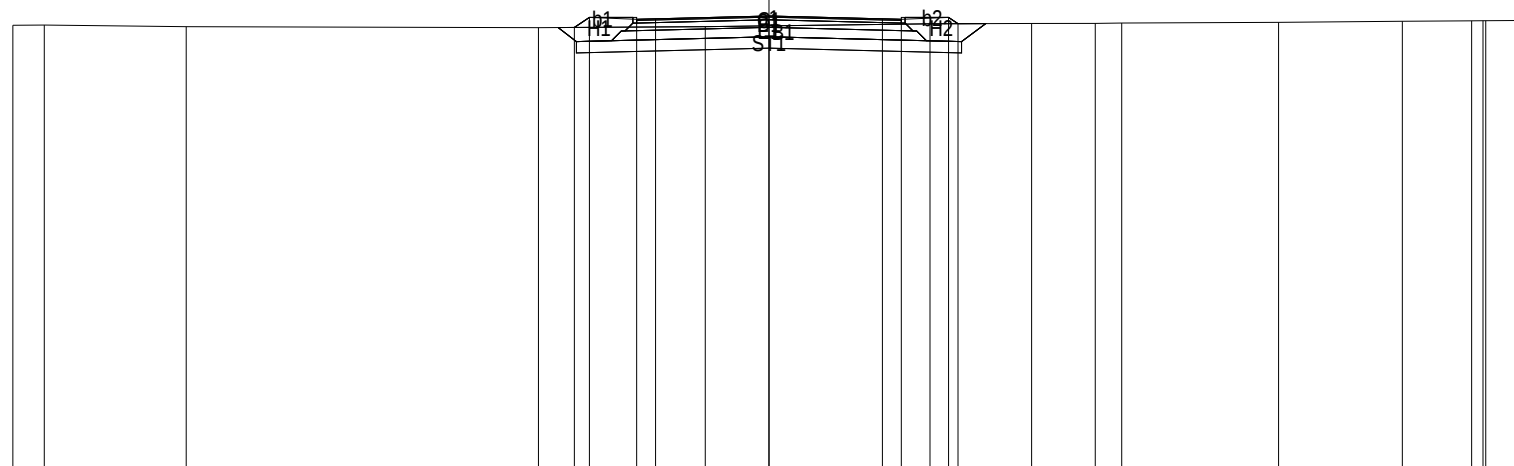
B SCAVO	m ²	3.98
C BINDER	m ²	0.48
D CEMENTATO	m ²	1.50
E STABILIZZATO	m ²	2.04
H VEGETALE	m ²	1.75
ST STABILIZZAZIONE CALC	m ²	3.04
a USURA	m	7.00
b IDROSEMINA	m	2.93



PROGRESSIVE TERRENO	20.00	10.84	8.96	6.02	5.06	3.78	1.62	-0.93	-4.56	-11.51	-14.22	-20.00
PARZIALI TERRENO	9.16	1.88	2.94	0.96	1.28	2.16	2.55	3.63	6.95	2.71	5.78	
QUOTE TERRENO	11.92	11.90	11.89	11.84	11.81	11.81	11.80	11.79	11.78	11.74	11.77	11.73
PROGRESSIVE PROGETTO				5.04	4.75	3.50	3.00	0.00	-4.75	-3.00	-3.50	-5.09
PARZIALI PROGETTO				0.29	1.25	0.50	3.00	3.00	1.25	0.50	0.34	
QUOTE PROGETTO				11.81	12.01	11.96	11.97	12.04	12.01	11.97	11.96	11.78

PROGRESSIVA 30.00

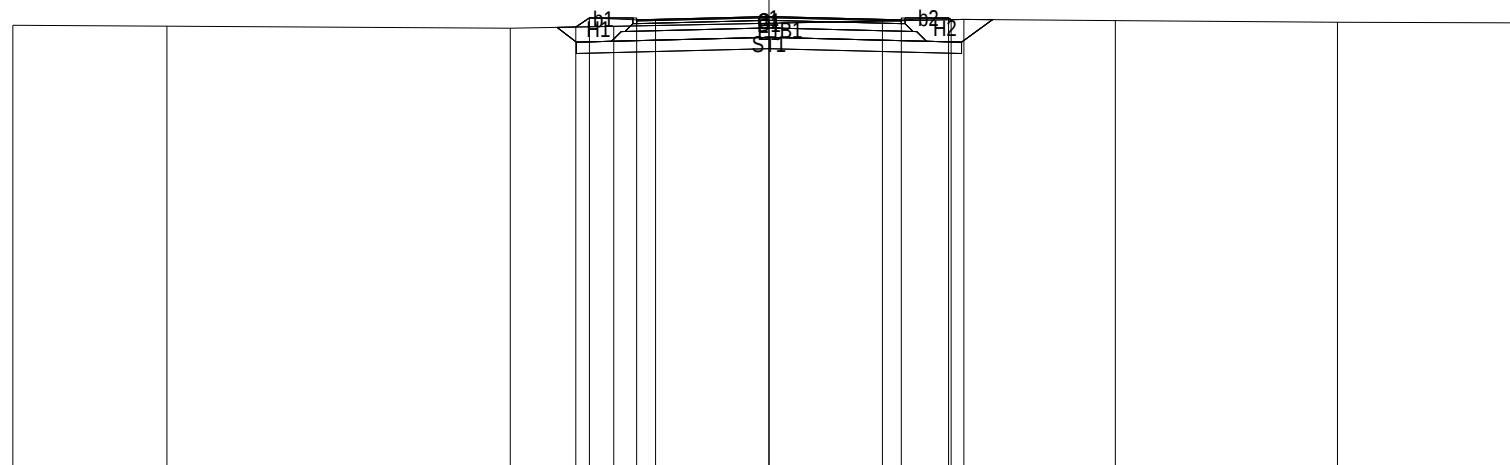
B SCAVO	m ²	3.90
C BINDER	m ²	0.48
D CEMENTATO	m ²	1.46
E STABILIZZATO	m ²	2.04
H VEGETALE	m ²	1.78
ST STABILIZZAZIONE CALC	m ²	3.04
a USURA	m	7.00
b IDROSEMINA	m	2.95



PROGRESSIVE TERRENO	20.00 18.96 18.89 18.59	16.75	13.48	9.33 8.63	6.95	4.26	-1.69	-6.10	-15.41	-19.17 -20.00
PARZIALI TERRENO	1.04 0.07 0.30	1.84	3.27	4.15	1.68	2.69	5.95	4.41	9.31	3.76 0.83
QUOTE TERRENO	11.91 11.90 11.90 11.90	11.89	11.86	11.84 11.83	11.83	11.82	11.75	11.72	11.75	11.79 11.78
PROGRESSIVE PROGETTO	5.00 4.75 3.50 3.00					0.00	-3.00 -3.50 -4.75 -5.15			
PARZIALI PROGETTO	0.25 1.25 0.50					3.00	0.50 1.25 0.40			
QUOTE PROGETTO	11.82 11.99 11.94 11.95					12.03	11.95 11.94 11.99 11.73			

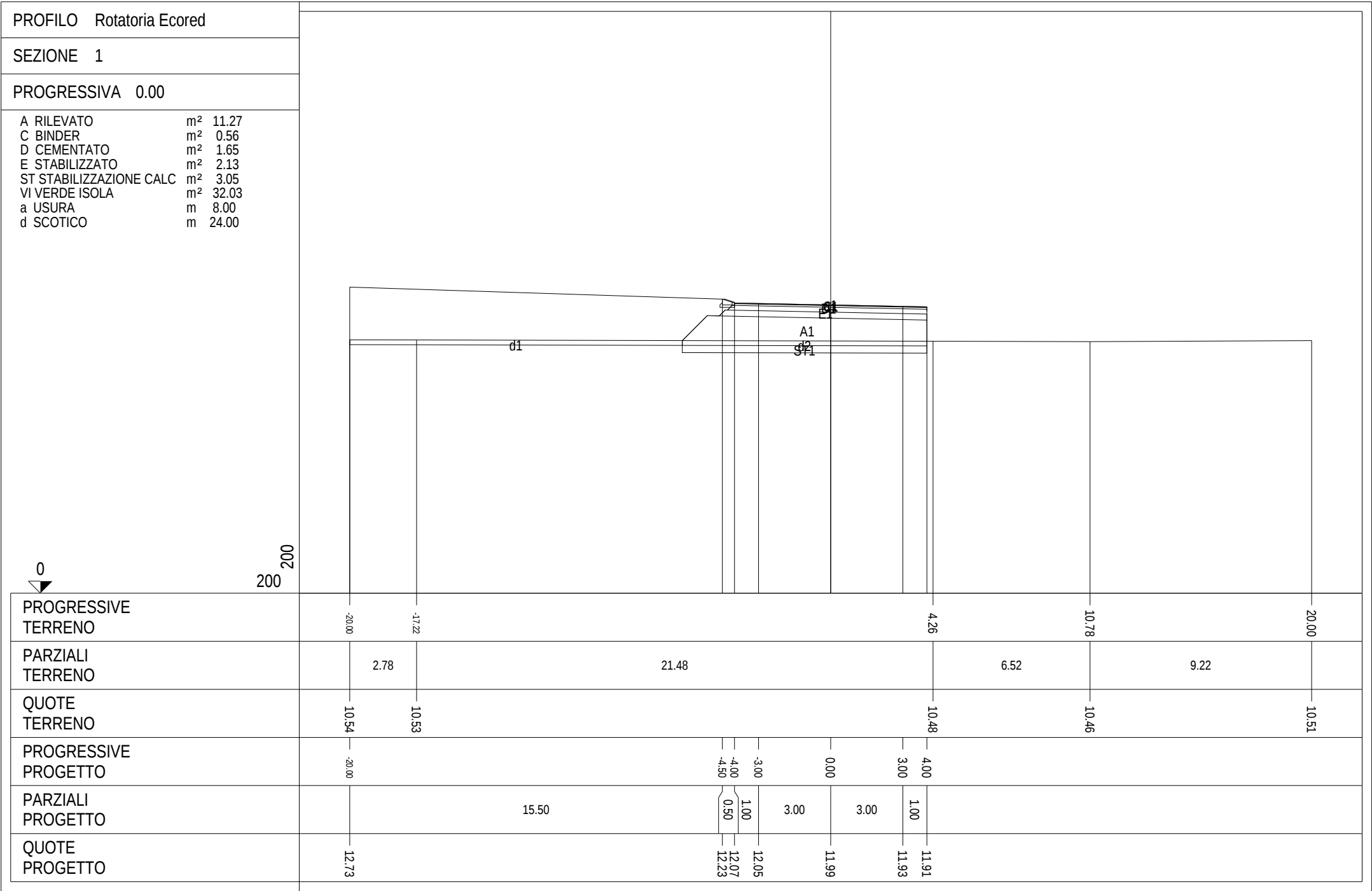
PROGRESSIVA	45.00
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B SCAVO	m ²	4.82
C BINDER	m ²	0.48
D CEMENTATO	m ²	1.48
E STABILIZZATO	m ²	2.02
H VEGETALE	m ²	1.91
ST STABILIZZAZIONE CALC	m ²	3.06
a USURA	m	7.00
b IDROSEMINA	m	2.73

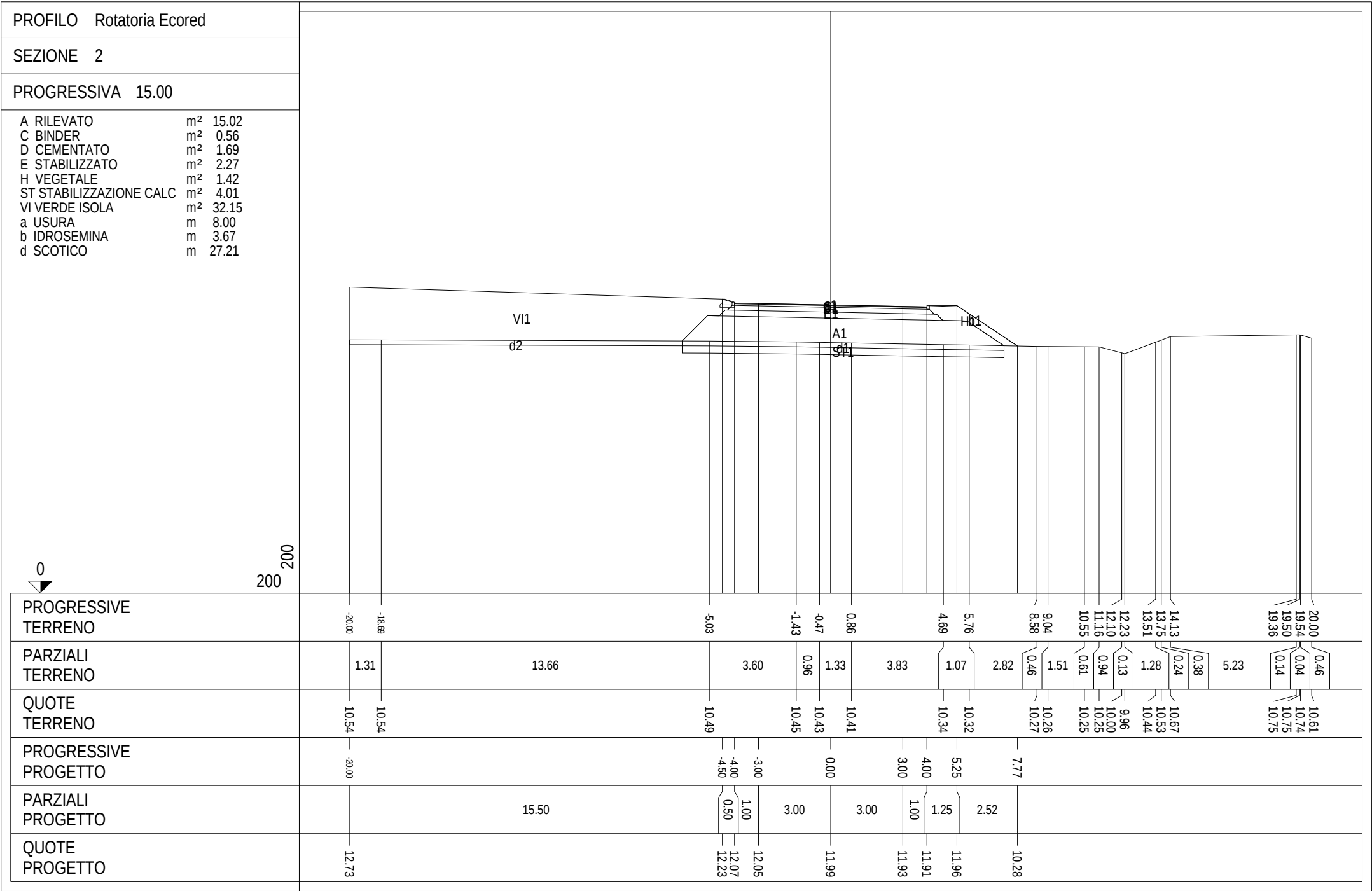


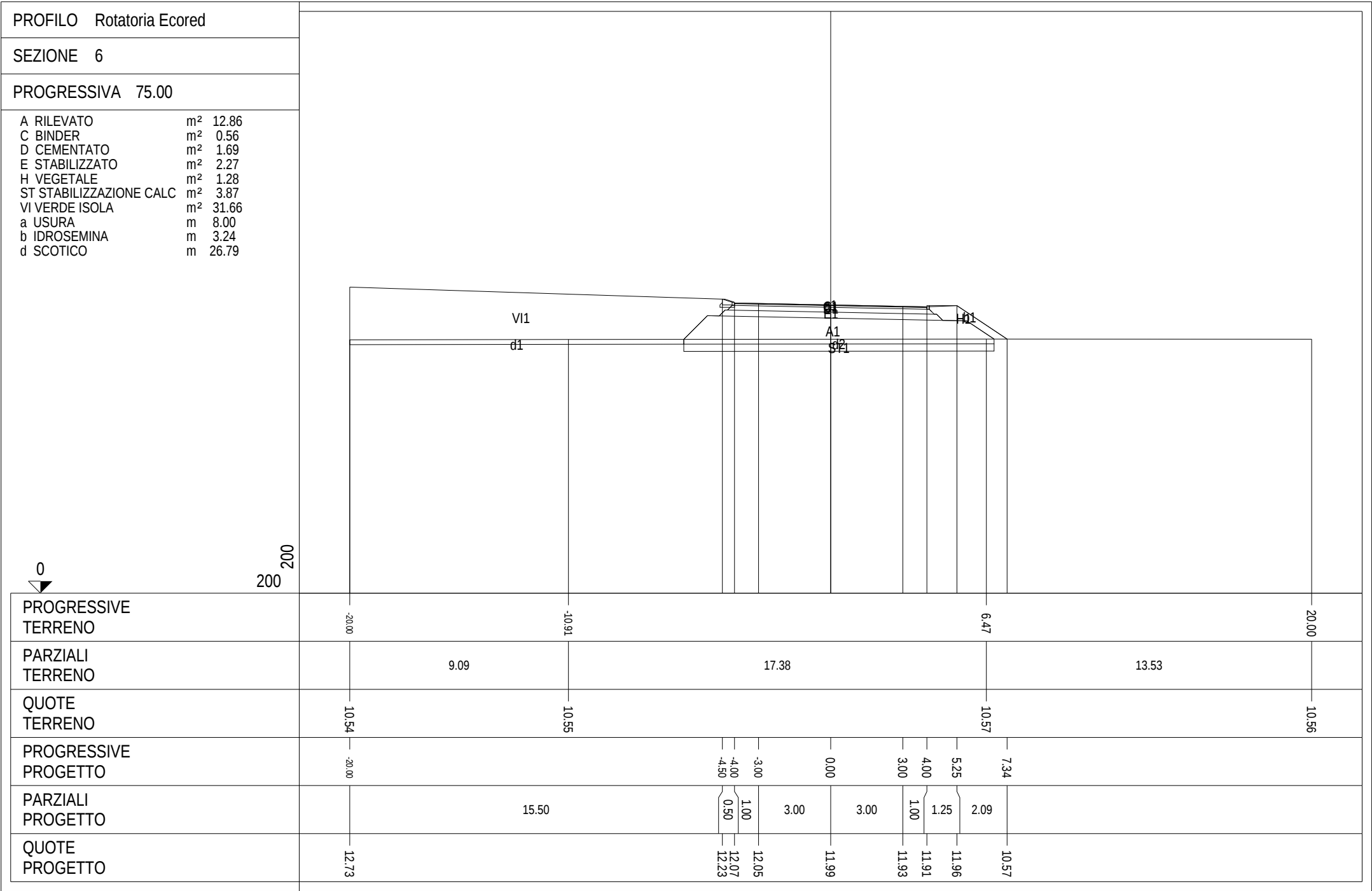
PROGRESSIVE TERRENO	20.00	15.04	9.16	5.16		-4.11	-6.84	-15.92	-20.00
PARZIALI TERRENO	4.96	5.88	4.00	9.27	2.73	9.08	4.08		
QUOTE TERRENO	11.85	11.86	11.91	11.94	11.76	11.71	11.76	11.78	11.78
PROGRESSIVE PROGETTO				4.82 4.75 3.50 3.00	0.00	-3.00 -3.50 -4.75 -5.11			
PARZIALI PROGETTO	0.07	1.25	0.50	3.00	3.00	0.50 1.25 0.36			
QUOTE PROGETTO	11.93 11.98 11.93 11.94	12.01	11.94	11.93 11.98 11.93 11.94	11.93 11.98 11.93 11.94	11.94 11.93 11.98 11.74			

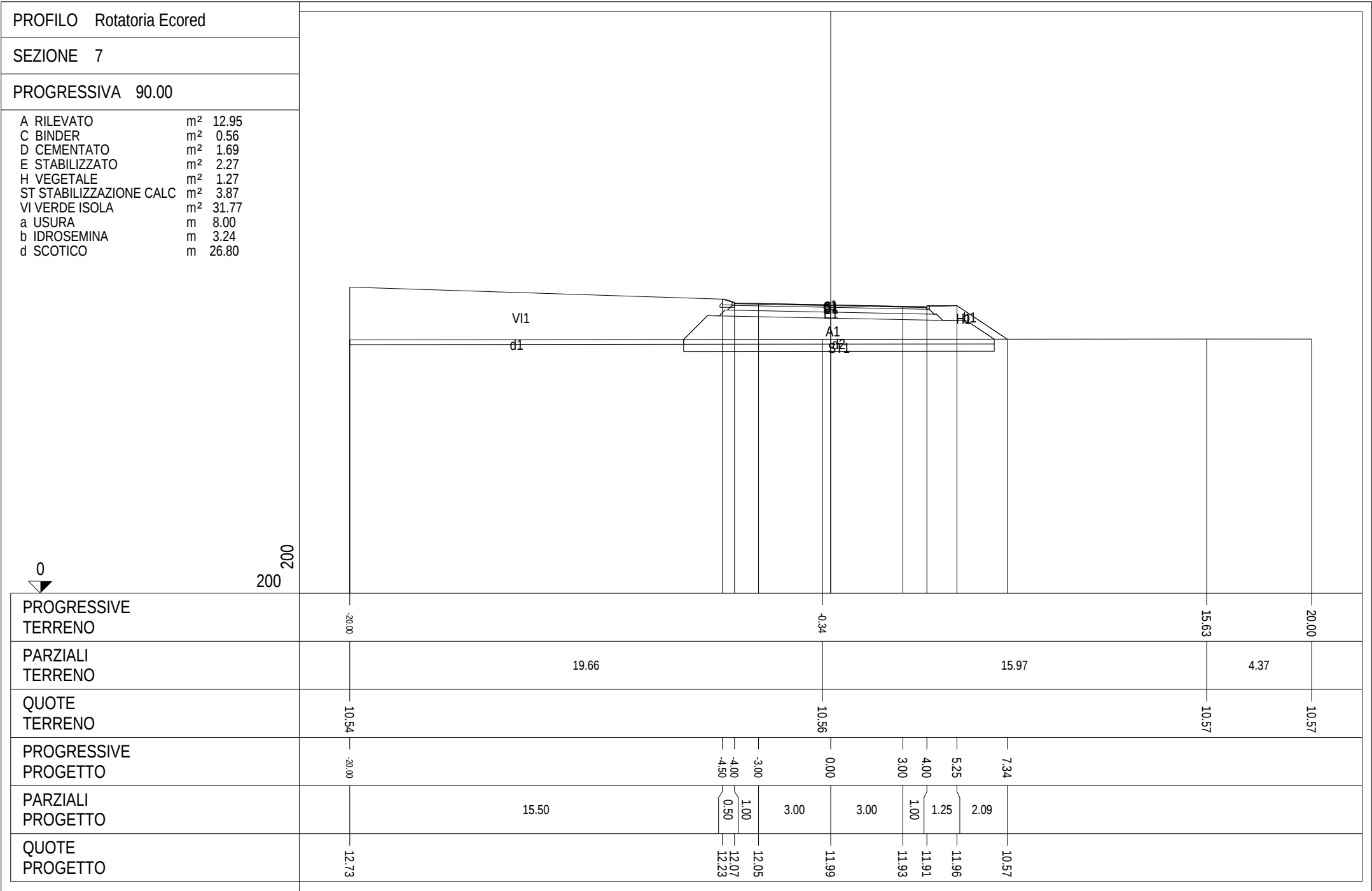
ROTORIA IMPIANTO

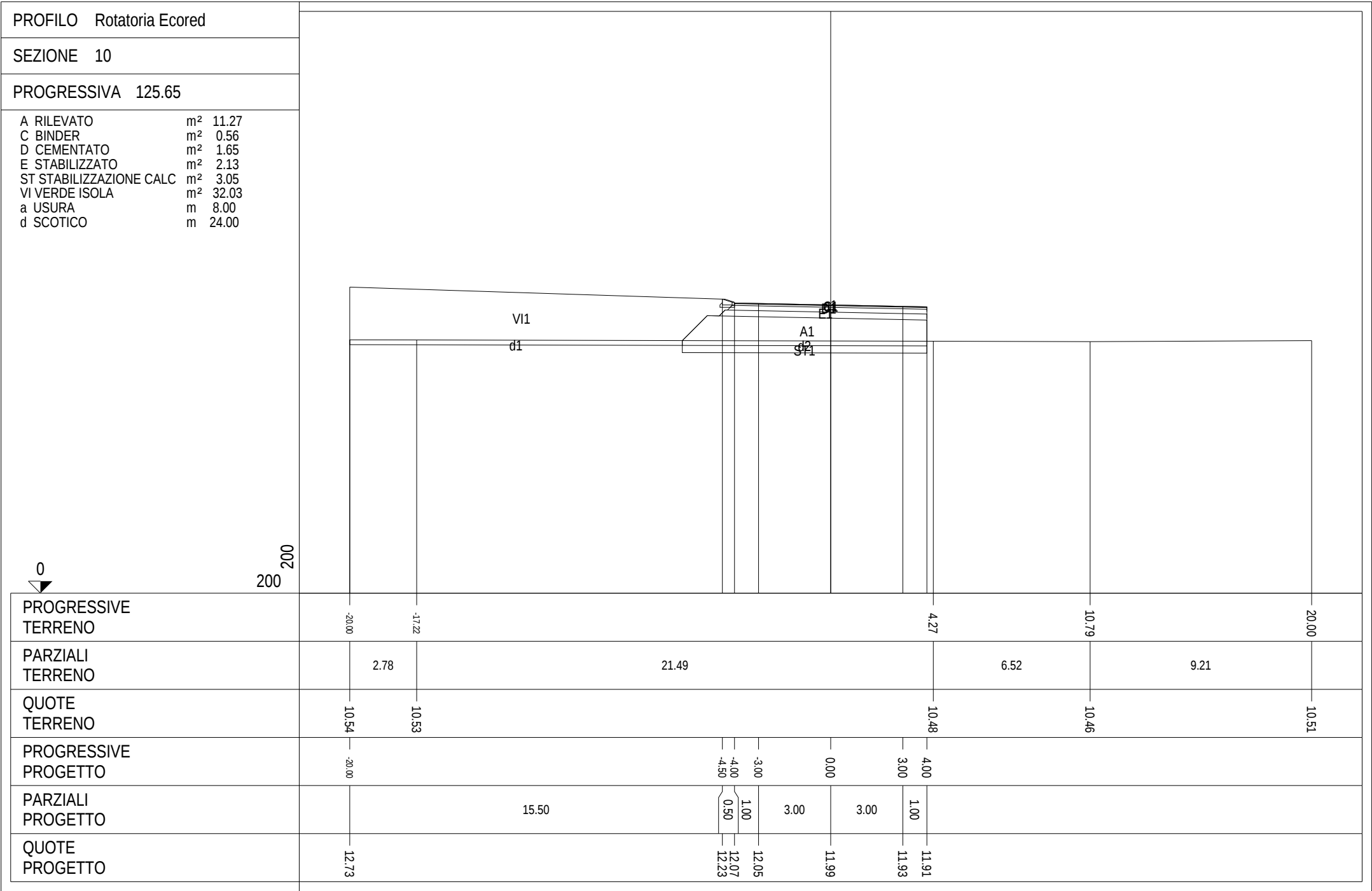


PROGRESSIVE TERRENO	-20.00	-17.22					4.26		10.78		20.00
PARZIALI TERRENO		2.78		21.48				6.52		9.22	
QUOTE TERRENO	10.54	10.53					10.48		10.46		10.51
PROGRESSIVE PROGETTO	-20.00			-4.50	-4.00	-3.00	0.00	3.00	4.00		
PARZIALI PROGETTO			15.50		0.50	1.00	3.00		3.00	1.00	
QUOTE PROGETTO	12.73			12.23	12.07	12.05	11.99		11.93	11.91	

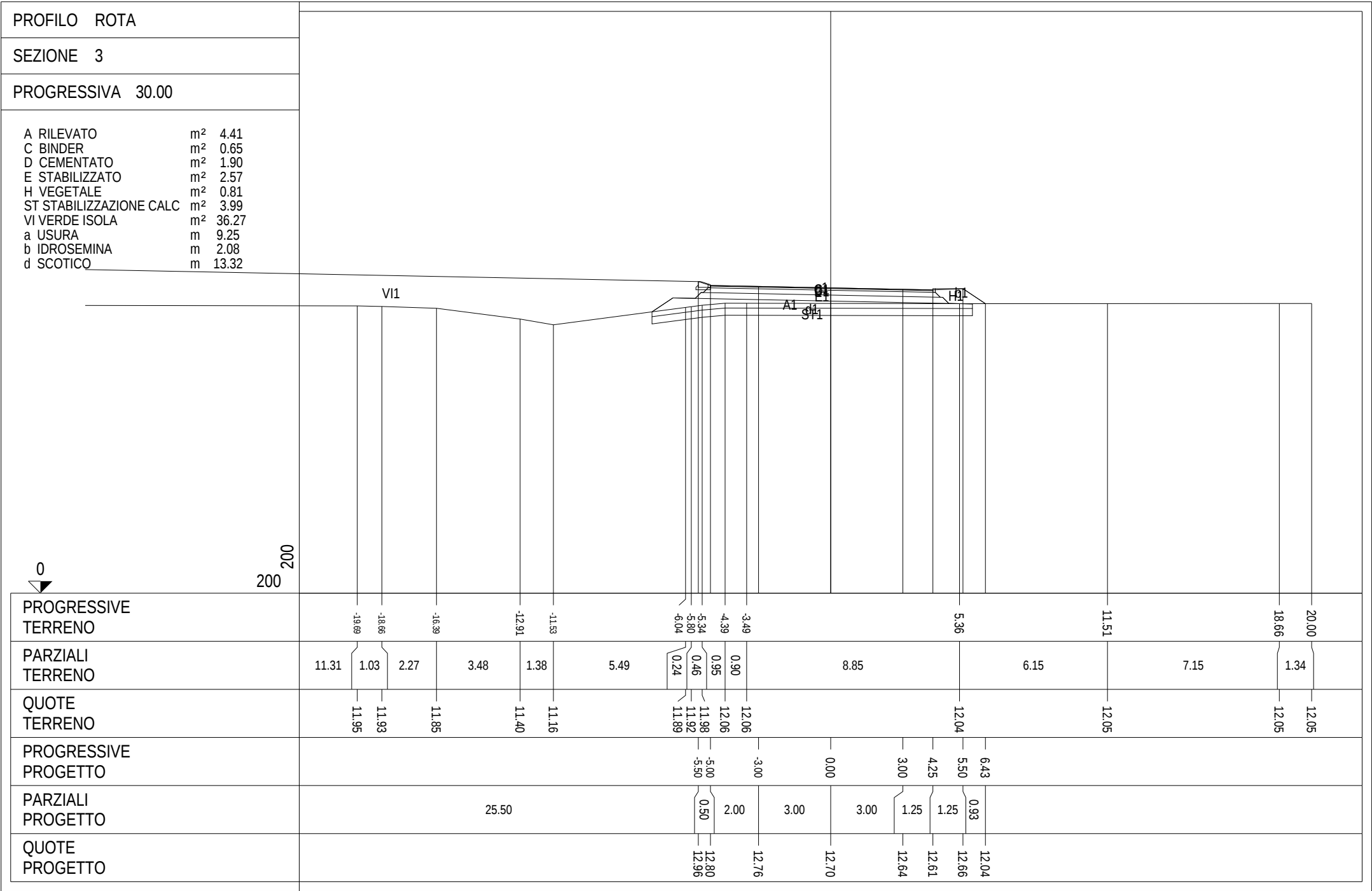


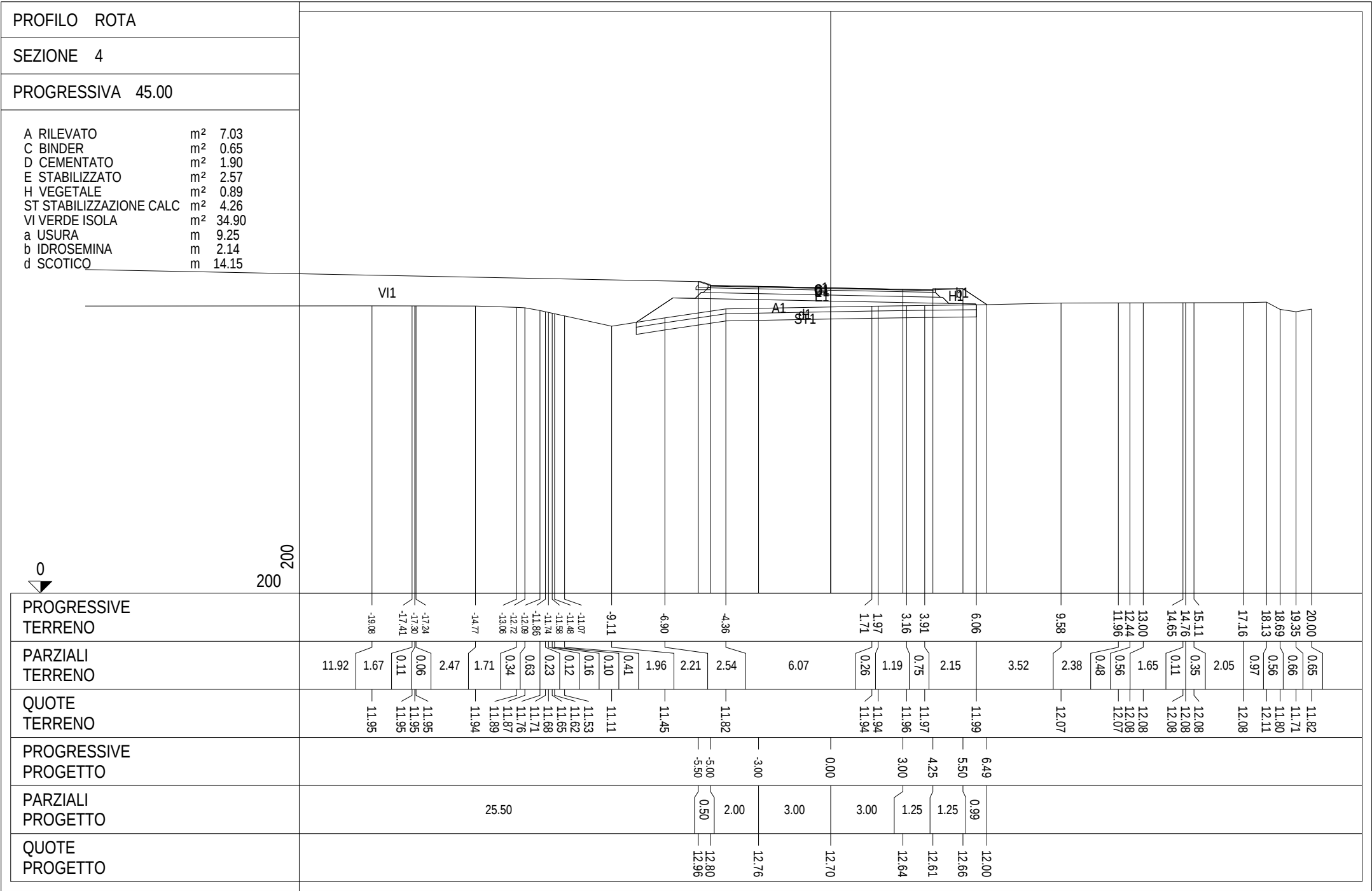


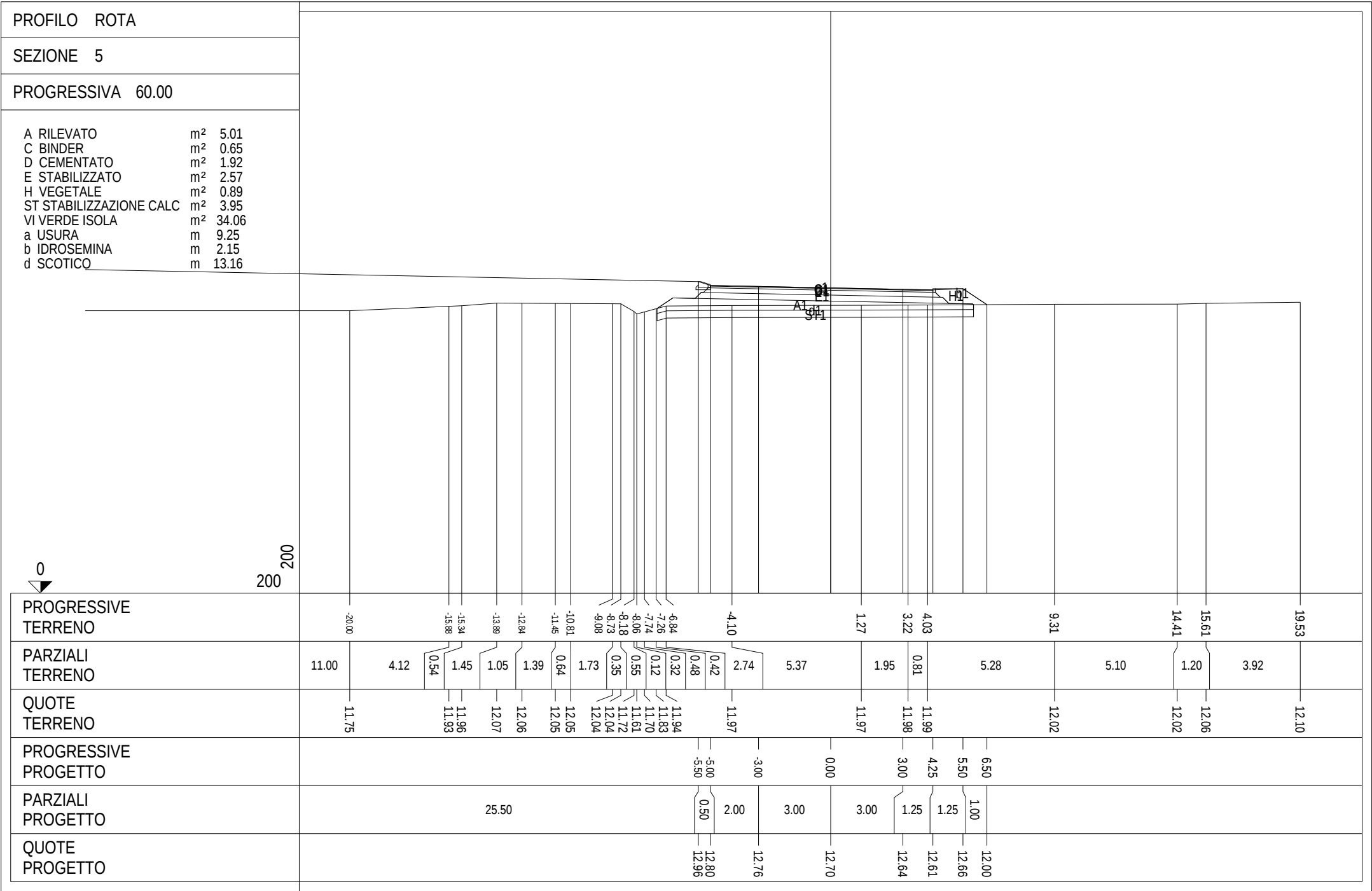


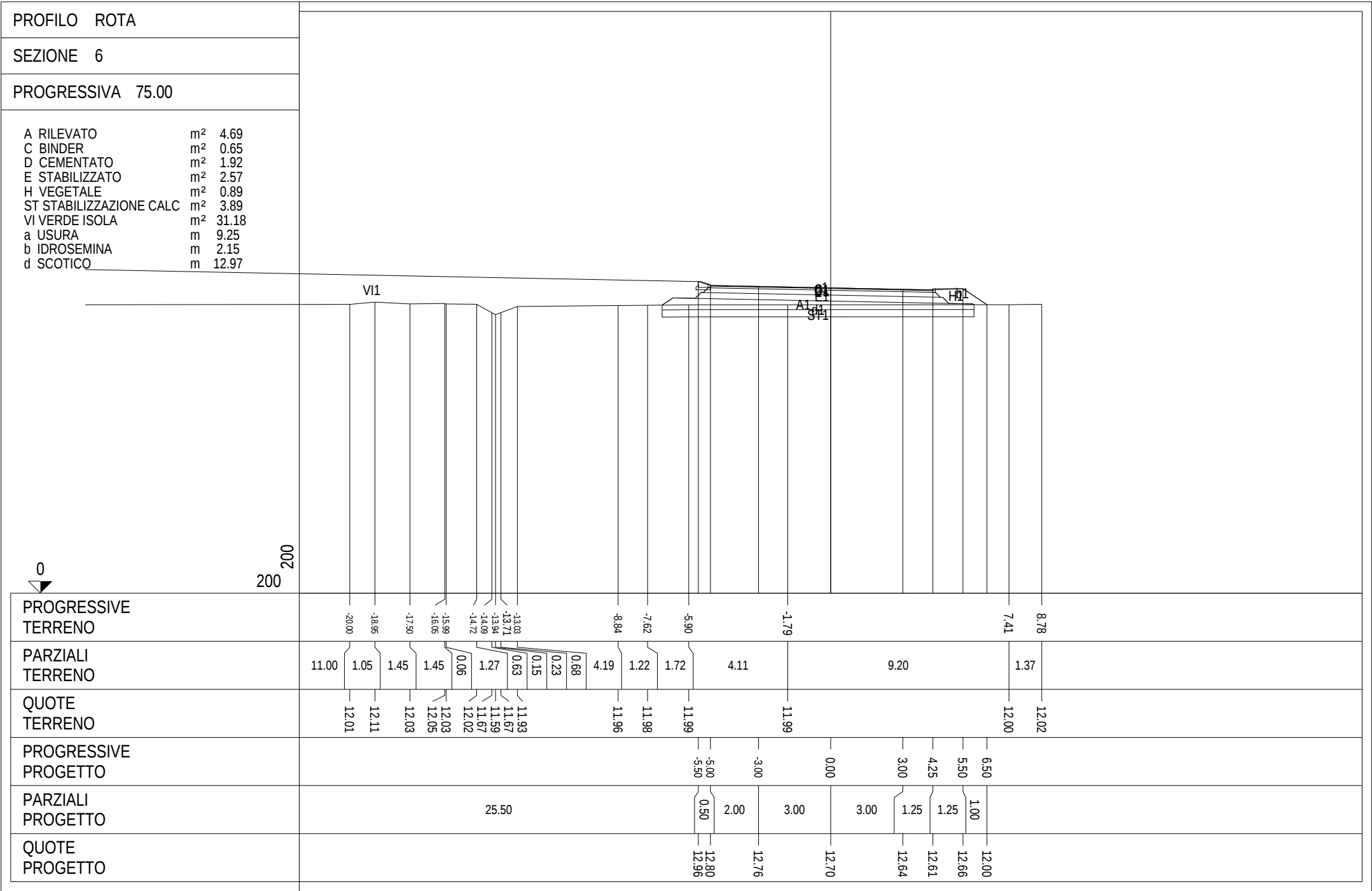


ROTORIA SP5

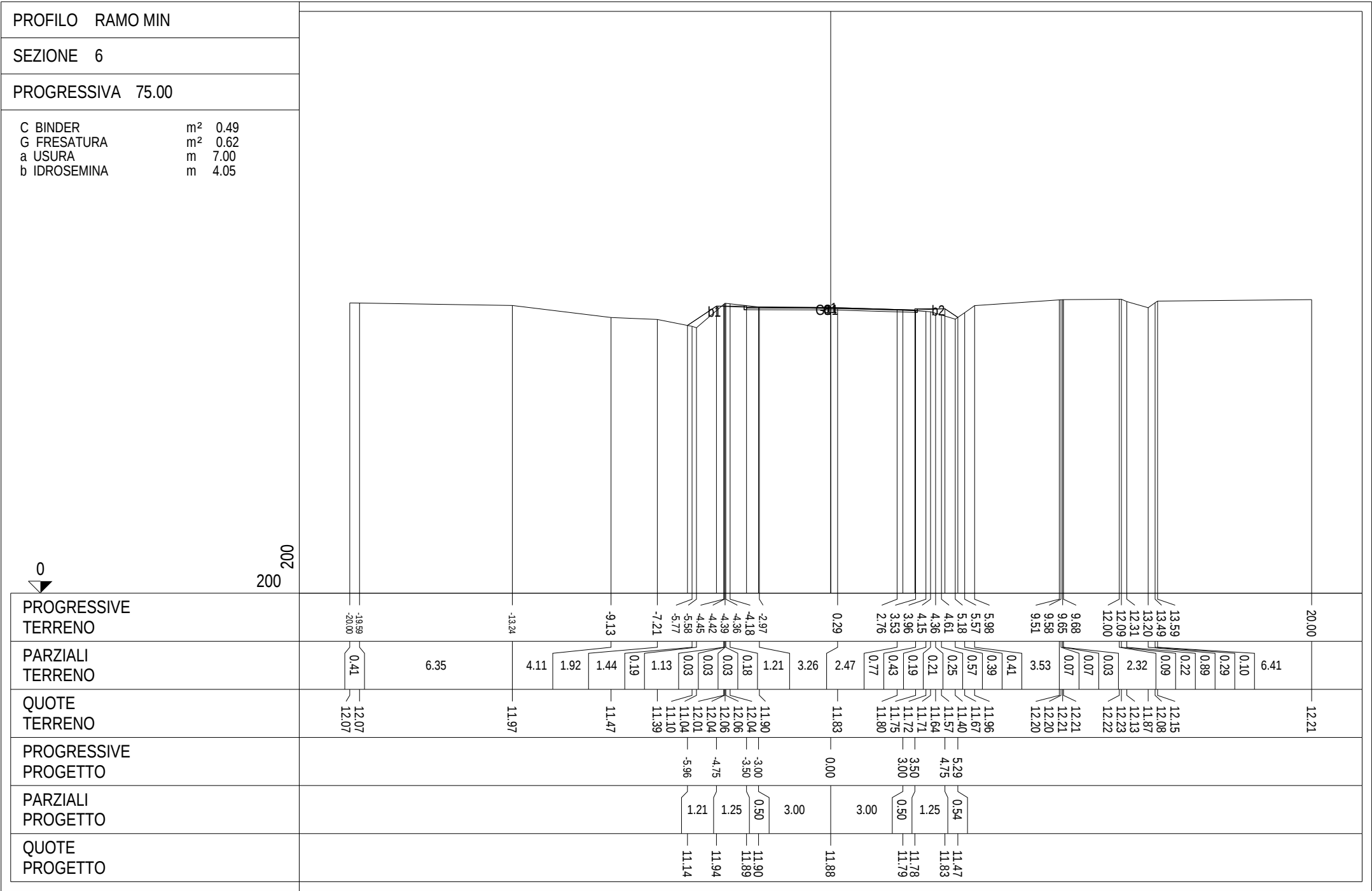


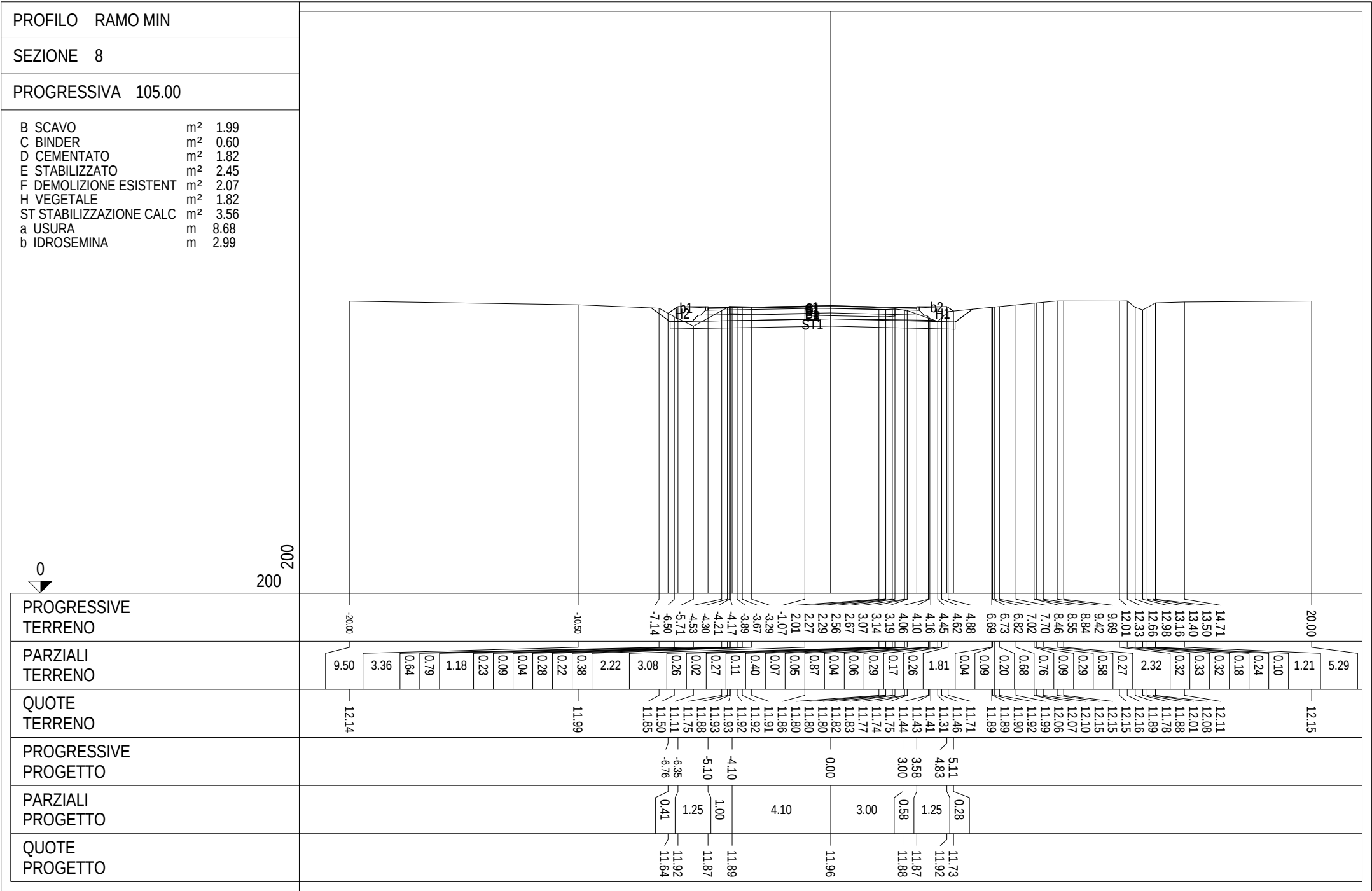






RAMO MINERBIO





RAMO BARICELLA

