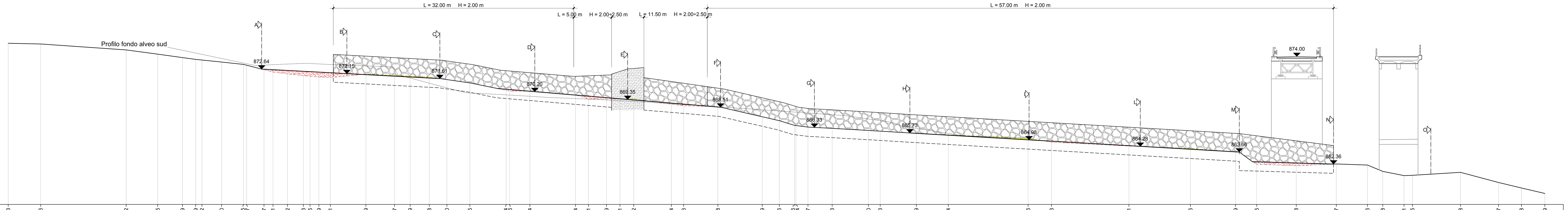
Profilo fondo alveo

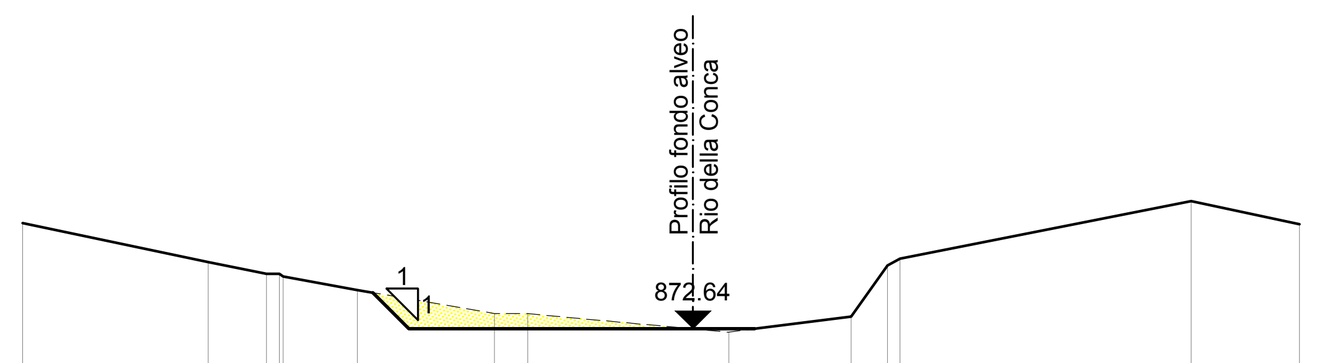


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
858.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	875.43	3.51
3.51	875.36	9.24
12.75	874.72	3.41
16.16	874.25	2.68
18.84	873.89	1.43
20.27	873.69	0.67
20.94	873.62	2.12
23.06	873.40	2.38
25.44	873.15	0.33
25.77	873.07	1.88
27.65	872.57	0.97
28.62	872.31	1.58
30.20	872.12	1.70
31.90	871.93	0.72
32.62	871.85	0.96
33.58	871.79	1.23
34.81	871.71	3.85
38.66	872.09	3.10
41.76	871.97	1.68
43.44	871.89	2.07
45.51	871.78	1.90
47.41	871.50	2.48
49.89	871.15	3.92
53.81	870.34	0.38
54.19	870.26	2.19
56.38	870.24	4.94
61.32	869.84	1.38
62.70	869.41	1.96
64.66	869.39	1.46
66.12	869.41	1.49
67.61	869.42	4.06
71.67	868.84	1.33
73.00	868.66	3.70
76.70	868.58	4.79
81.49	867.49	1.84
83.33	867.06	1.65
84.98	866.56	[illegible]
85.13	866.54	1.30
86.43	866.37	2.62
89.05	866.23	3.91
92.96	866.00	1.28
94.24	865.93	3.91
98.15	865.69	3.45
101.60	865.54	8.63
110.23	865.16	2.53
112.76	864.73	8.36
121.12	864.31	6.65
127.77	864.06	4.88
132.65	863.69	2.28
134.93	862.35	4.28
139.21	862.18	4.33
143.54	862.37	3.36
146.90	862.26	1.65
148.55	861.58	2.31
150.86	861.11	0.90
151.76	861.15	5.19
156.95	861.48	4.12
161.07	860.37	2.47
163.54	859.78	2.53
166.07	859.19	

Sezione A

Area di scavo = 2.12 mq

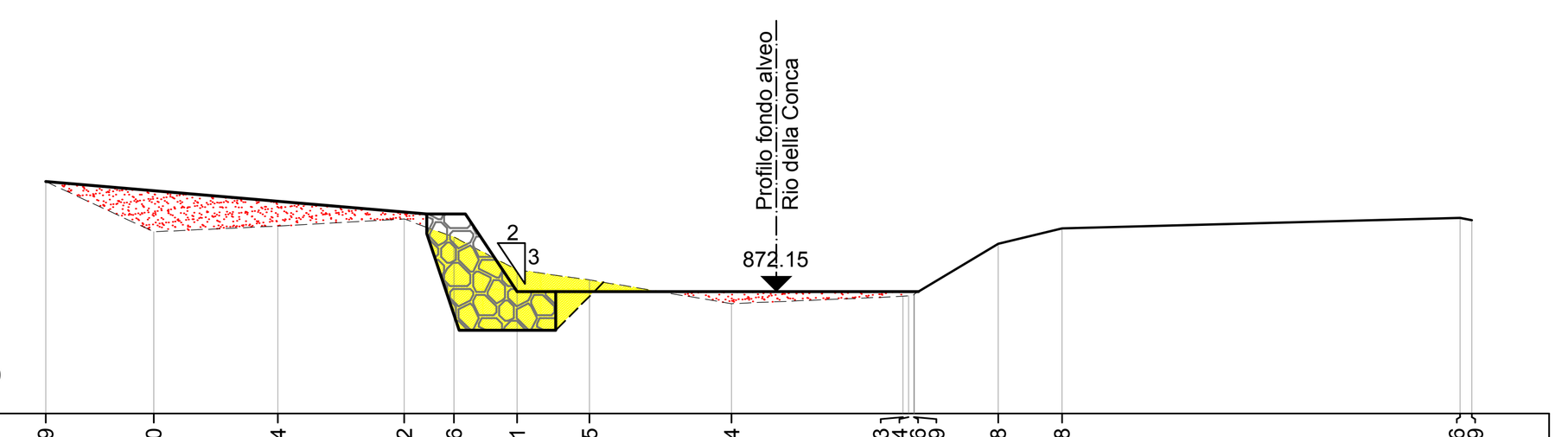


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
870.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	875.00	4.15
4.15	874.12	1.30
5.45	873.86	0.30
5.75	873.86	0.08
5.83	873.80	1.66
7.49	873.50	3.06
10.55	872.99	0.75
11.30	872.98	4.49
15.79	872.57	2.74
18.53	872.92	0.80
19.33	874.05	0.29
19.62	874.21	6.51
26.13	875.49	2.42
28.55	874.98	

Sezione B

Area di scavo = 6.55 mq

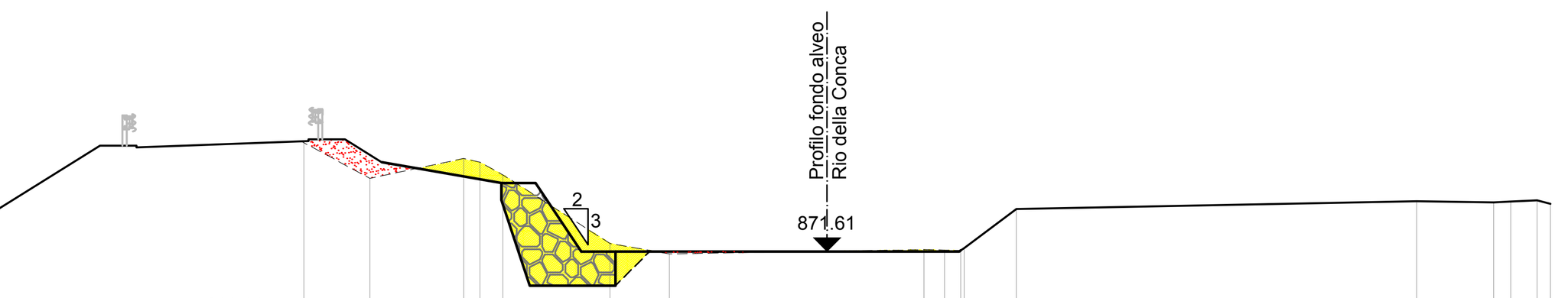


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
869.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	874.99	2.80
2.80	873.70	3.21
6.01	873.84	3.26
9.27	874.02	1.29
10.56	873.56	1.63
12.19	872.71	1.87
14.06	872.45	3.68
17.74	871.84	4.44
22.18	872.03	[illegible]
22.32	872.04	[illegible]
22.45	872.06	[illegible]
22.47	872.09	2.17
24.64	873.38	1.65
26.29	873.78	10.29
36.58	874.06	0.31
36.89	873.99	

Sezione C

Area di scavo = 7.24 mq

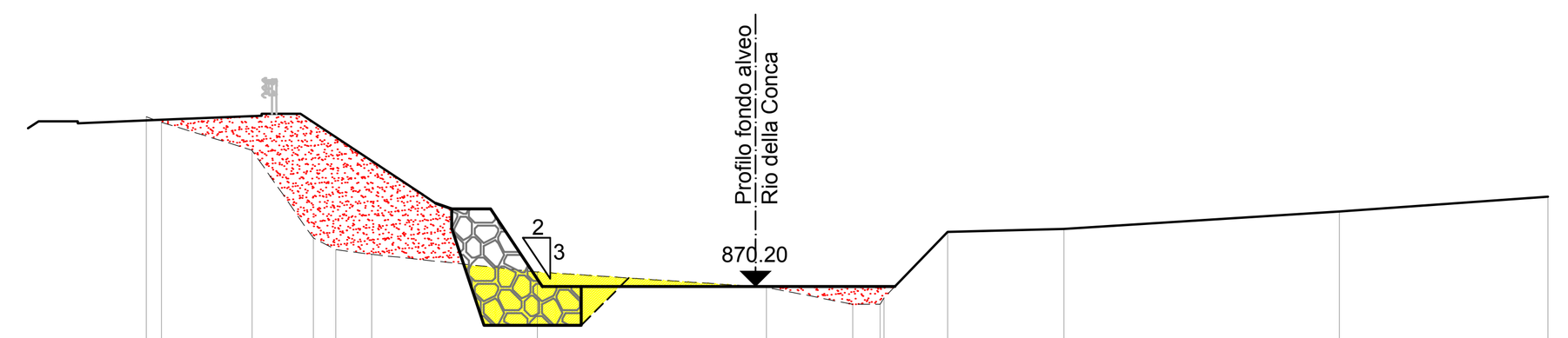


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
869.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	874.79	1.93
1.93	873.75	2.74
4.67	874.33	0.48
5.15	874.22	0.67
5.82	873.86	3.13
8.95	871.85	1.73
10.68	871.53	7.45
18.13	871.66	0.60
18.73	871.65	0.47
19.20	871.64	[illegible]
19.31	871.71	1.52
20.83	872.85	11.70
32.53	873.07	2.25
34.78	873.04	0.50
35.28	873.06	0.77
36.05	873.10	0.39
36.44	873.00	

Sezione D

Area di scavo = 5.06 mq

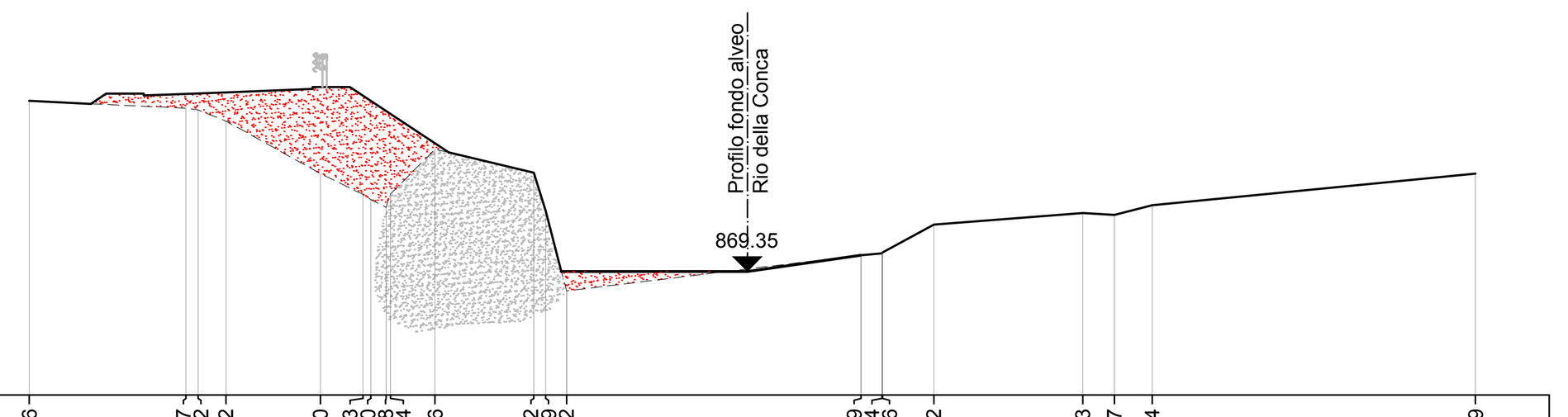


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
867.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	874.56	0.39
0.39	874.42	2.32
2.71	873.70	1.58
4.29	871.45	0.57
4.86	871.15	0.93
5.79	871.03	4.26
10.05	870.57	5.88
15.93	870.18	2.22
18.15	869.74	0.70
18.85	869.75	[illegible]
18.95	869.91	1.64
20.59	871.60	2.98
23.57	871.68	7.08
30.65	872.13	5.36
36.01	872.51	

Sezione E

Area di scavo = -.-- mq

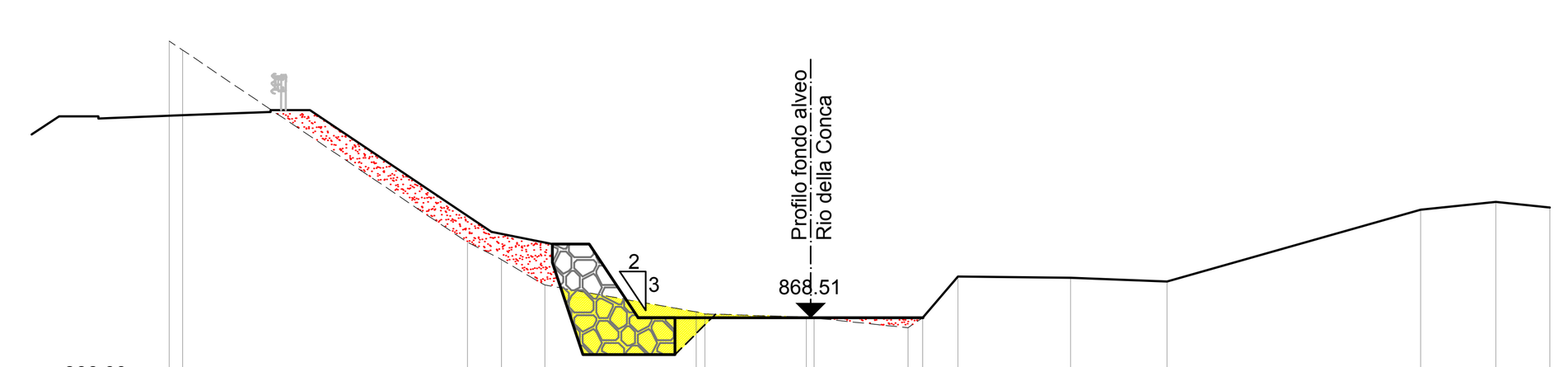


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
866.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	873.96	4.25
4.25	873.77	0.32
4.57	873.72	0.75
5.32	873.42	2.56
7.88	872.00	1.15
9.03	871.43	0.21
9.24	871.30	0.42
9.66	871.08	[illegible]
9.77	871.44	1.21
10.98	872.66	2.68
13.66	872.02	0.32
13.98	870.99	0.56
14.54	868.82	7.97
22.51	869.79	0.57
23.08	869.84	[illegible]
23.10	869.86	1.38
24.48	870.62	4.03
28.51	870.93	0.86
29.37	870.87	1.02
30.39	871.14	8.75
39.14	871.99	

Sezione F

Area di scavo = 5.02 mq

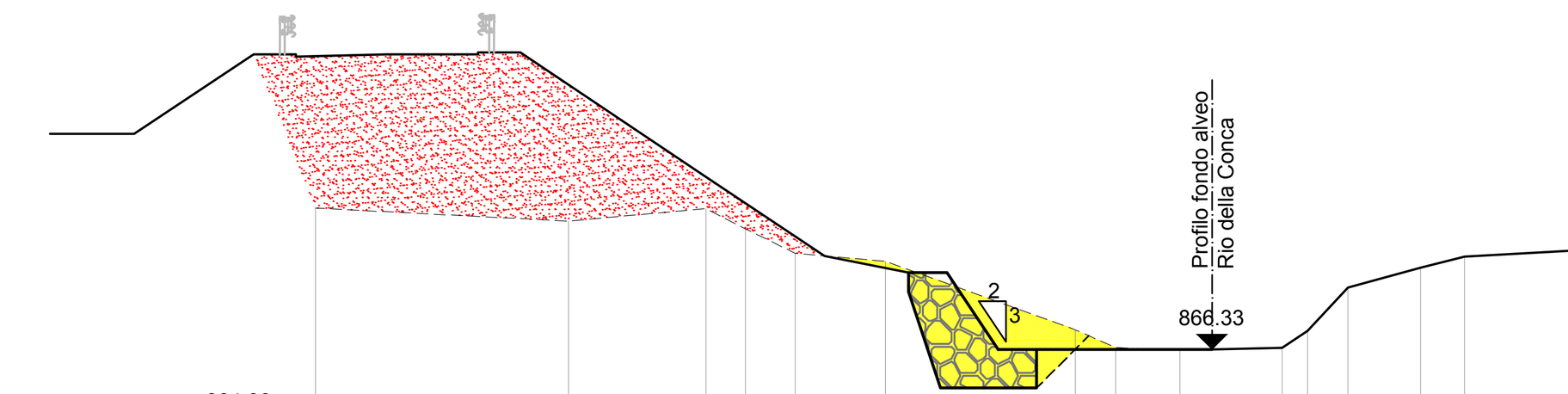


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
866.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	876.01	0.36
0.36	875.76	7.73
8.09	870.55	0.93
9.02	870.09	1.17
10.19	869.40	4.11
14.30	868.67	0.23
14.53	868.62	2.76
17.29	868.53	0.21
17.50	868.50	2.54
20.04	868.24	0.40
20.44	868.51	0.95
21.39	869.62	3.06
24.45	869.60	2.62
27.07	869.49	6.88
33.95	871.44	2.04
35.99	871.65	1.47
37.46	871.49	

Sezione G

Area di scavo = 8.94 mq

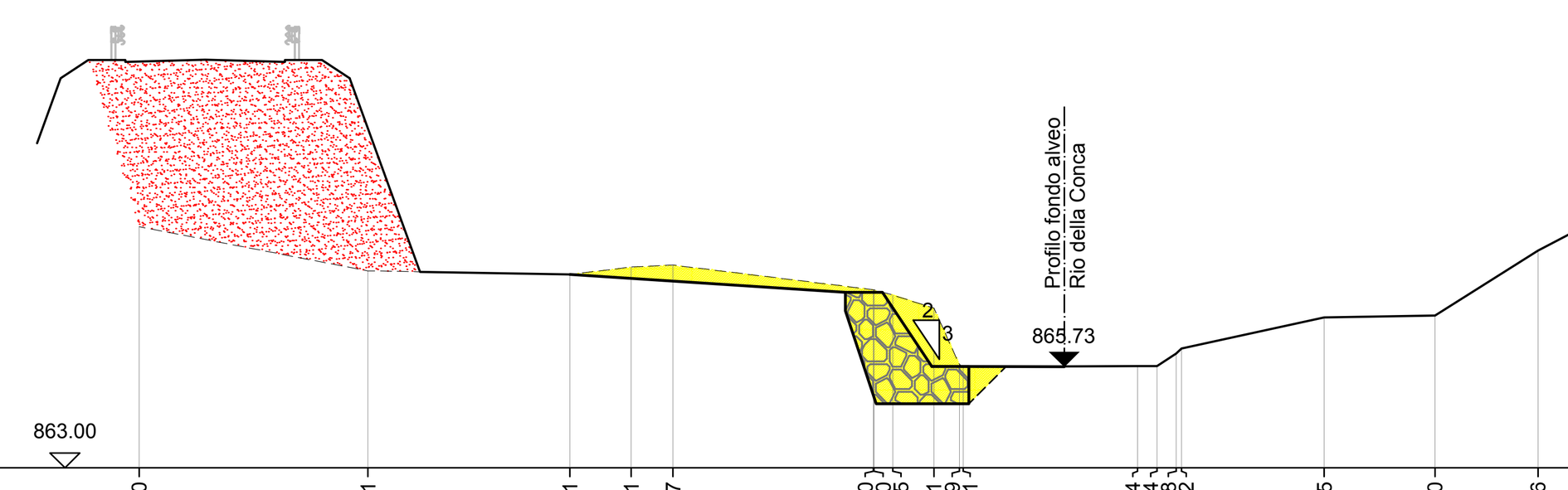


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
864.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	870.01	6.58
6.58	869.67	3.57
10.15	869.99	1.03
11.18	869.47	1.29
12.47	868.83	2.35
14.82	868.62	4.93
19.75	866.84	1.05
20.80	866.38	1.66
22.46	866.31	2.67
25.13	866.38	0.66
25.79	866.82	1.04
26.83	867.94	1.89
28.72	868.46	1.15
29.87	868.74	5.93
35.80	869.07	

Sezione H

Area di scavo = 9.98 mq

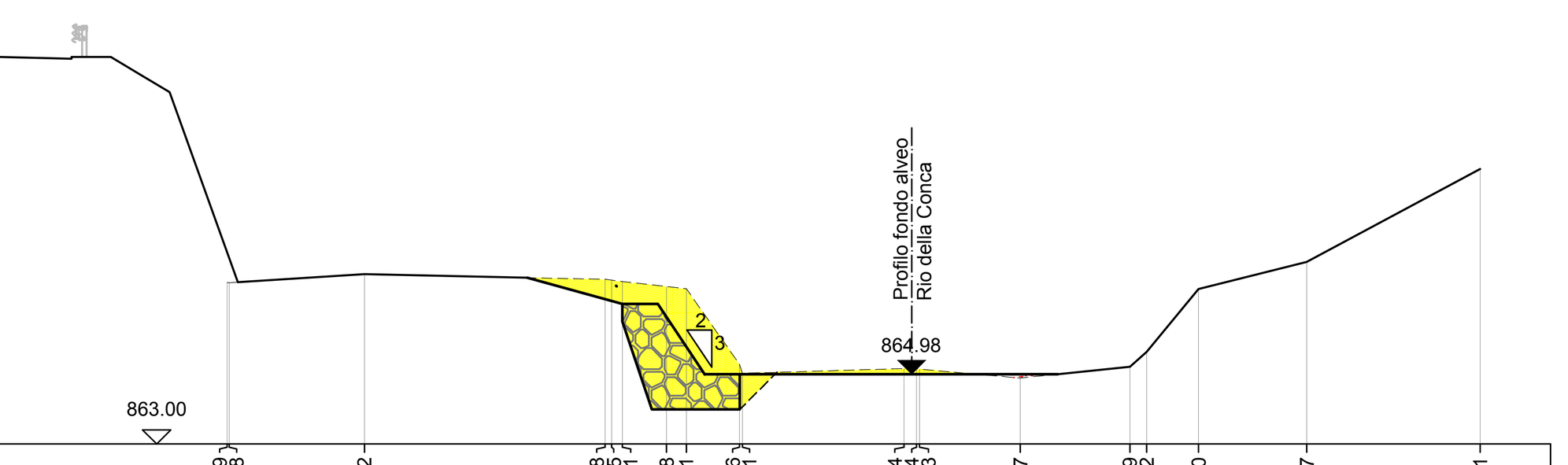


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
863.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	869.50	6.16
6.16	868.31	5.45
11.61	868.21	1.65
13.26	868.41	1.13
14.39	868.47	5.40
19.79	867.80	[illegible]
19.80	867.80	0.51
20.31	867.65	1.11
21.42	867.31	0.68
22.10	865.79	[illegible]
22.21	865.71	4.69
26.90	865.74	0.53
27.43	865.74	0.52
27.95	866.08	[illegible]
28.09	866.22	3.85
31.94	867.05	2.98
34.92	867.10	2.78
37.70	868.86	2.87
40.57	870.37	[illegible]
40.81	870.39	

Sezione I

Area di scavo = 10.96 mq

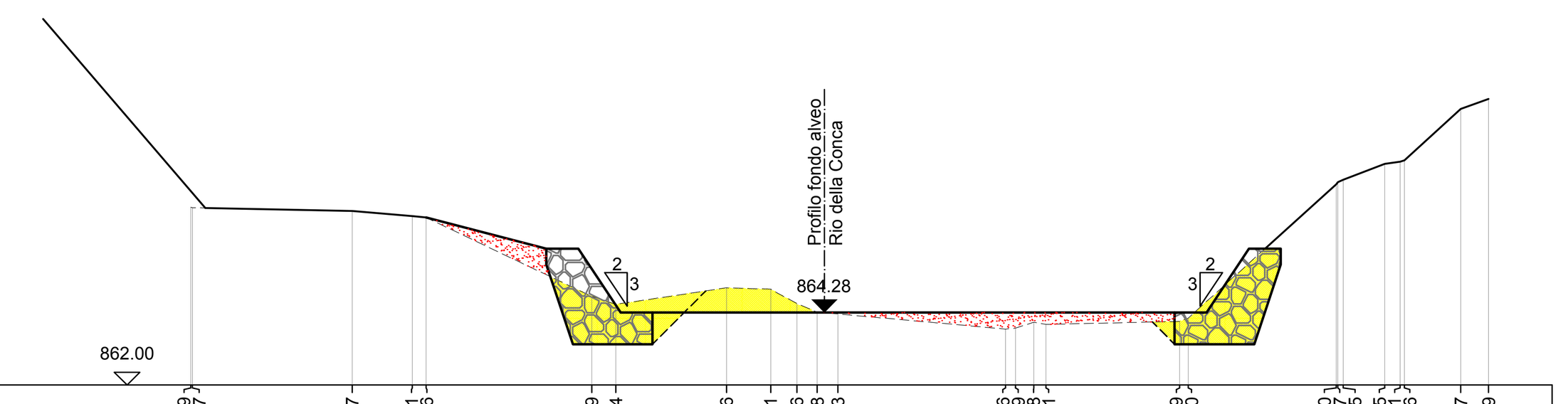


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
863.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	867.59	[illegible]
0.06	867.58	3.84
3.90	867.82	6.84
10.74	867.68	[illegible]
10.92	867.65	0.31
11.23	867.61	1.25
12.48	867.48	0.57
13.05	867.41	1.51
14.56	865.26	[illegible]
14.64	865.01	4.58
19.22	865.14	0.36
19.58	865.14	[illegible]
19.67	865.13	2.86
22.53	864.87	3.12
25.65	865.19	0.47
26.12	865.62	1.47
27.59	867.40	3.08
30.67	868.17	4.92
35.59	870.81	

Sezione L

Area di scavo = 13.24 mq

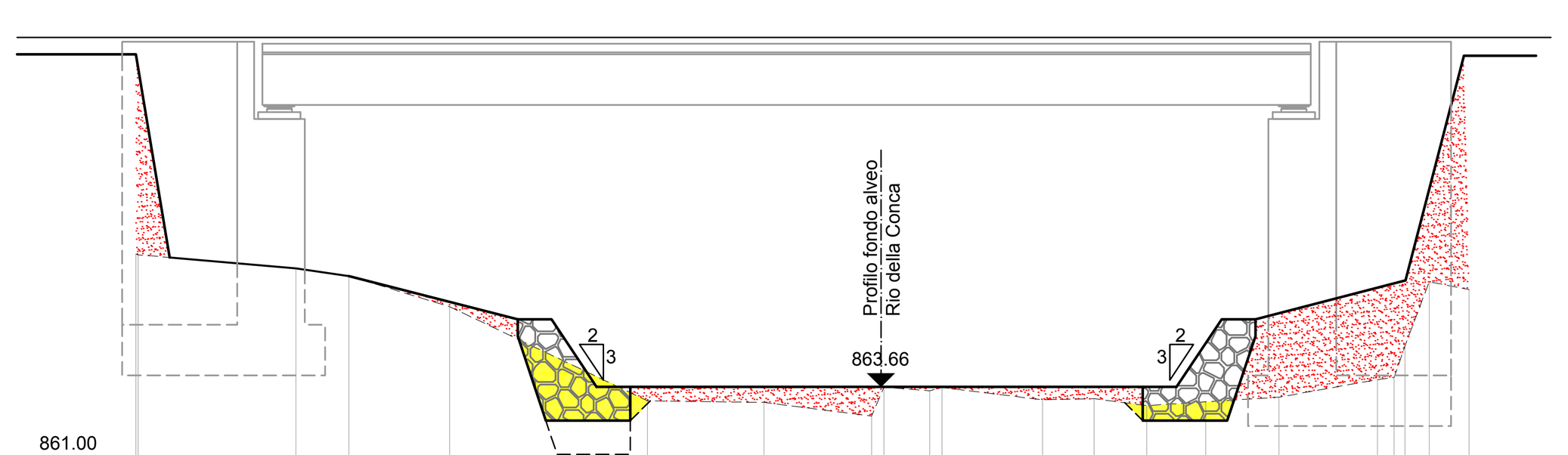


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
862.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	867.59	[illegible]
0.06	867.57	5.01
5.07	867.47	1.89
6.96	867.31	0.43
7.39	867.26	5.21
12.60	864.79	0.76
13.36	864.54	3.47
16.83	865.06	1.39
18.22	865.01	0.82
19.04	864.56	0.64
19.68	864.28	0.65
20.33	864.23	5.27
25.60	863.76	0.31
25.91	863.79	0.57
26.48	863.88	0.38
26.86	863.91	4.21
31.07	863.99	0.26
31.33	864.10	4.65
35.98	868.30	[illegible]
36.03	868.37	[illegible]
36.20	868.45	1.30
37.50	868.95	0.49
37.99	869.01	[illegible]
38.13	869.06	1.77
39.90	870.67	0.87
40.77	870.99	

Sezione M

Area di scavo = 6.08 mq

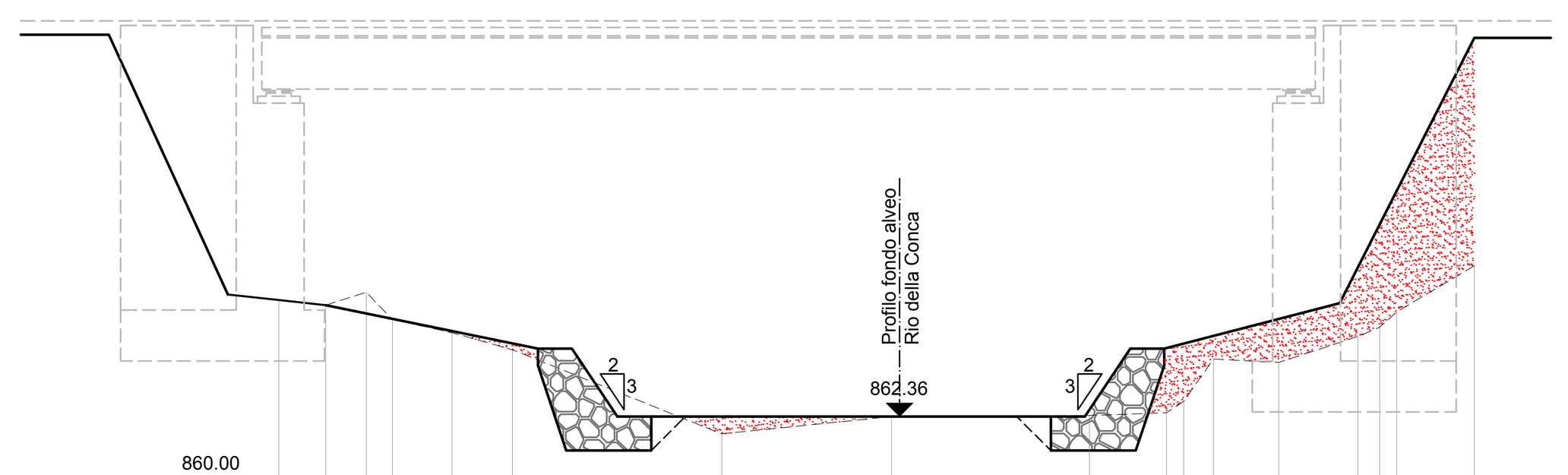


SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
861.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	867.59	0.07
0.07	867.57	4.67
4.74	867.17	1.56
6.30	866.94	2.98
9.28	866.03	5.85
15.13	863.25	3.44
18.57	863.20	3.19
21.76	862.80	0.36
22.12	863.65	1.36
23.48	863.55	0.36
23.84	863.64	2.97
26.81	863.28	1.53
28.34	863.31	1.56
29.90	863.10	1.74
31.64	863.22	2.17
33.81	863.35	2.91
36.72	863.88	0.49
37.21	863.95	0.32
37.53	864.88	0.72
38.25	866.77	1.18
39.43	866.54	

Sezione N

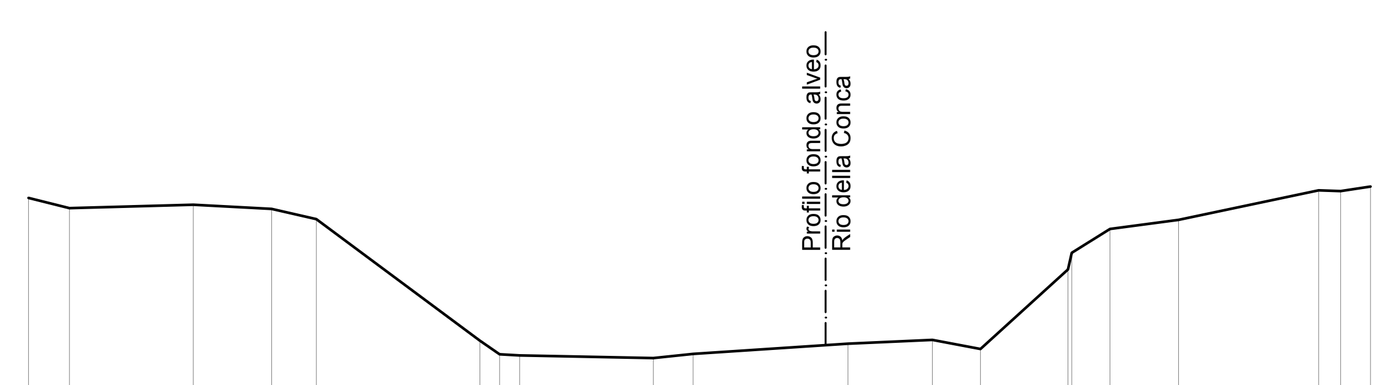
Area di scavo = 9.21 mq



SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
860.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	865.79	1.38
1.38	865.64	1.20
2.58	866.02	0.76
3.34	865.22	1.76
5.10	864.83	1.77
6.87	864.33	6.16
13.03	861.86	5.00
18.03	862.36	5.83
23.86	862.39	2.26
26.12	862.47	0.51
26.63	862.81	0.87
27.50	864.05	1.92
29.42	863.96	2.33
31.75	864.72	0.65
32.40	864.99	0.49
32.89	865.44	2.29
35.18	866.80	

Sezione O



SCALA LUNGHEZZE 1 : 200
SCALA ALTEZZE 1 :200
858.00

Progressive Terreno	Quote Terreno	Distanze parziali Terreno
0.00	864.57	0.92
0.92	864.34	2.76
3.68	864.42	1.75
5.43	864.33	1.00
6.43	864.10	3.66
10.09	861.38	0.44
10.53	861.07	0.45
10.98	861.05	2.98
13.96	860.99	0.90
14.86	861.08	3.46
18.32	861.31	1.88
20.20	861.40	1.08
21.28	861.20	1.96
23.24	862.97	[illegible]
23.32	863.34	0.86
24.18	863.87	1.52
25.70	864.08	3.14
28.84	864.74	0.49
29.33	864.73	0.67
30.00	864.83	

Committente:

PROVINCIA DI SAVONA

Settore Gestione della Viabilità, Edilizia ed ambiente

Oggetto:

Evento alluvionale del 26 dicembre 2013
S.P.31 "Urbe - Pianpaludo - La Carta"
Lavori di consolidamento strutturale del ponte con risanamento e ricostruzione delle parti ammalorate nonchè delle fondazioni al km 5+834

PROGETTO DEFINITIVO

OPERE IDRAULICHE - SEZIONI E PROFILO DI FONDO ALVEO

SCALA: 1:200

Identificazione elaborato	Ambito		Tipologia		Commessa	n° elaborato	
E1PE144719B05.2	E	1	P	D	1447/19	B	05.2

Dati Progettisti / Consulenti

Ing. Geol. Luigi MARENCO
GEO engineering S.r.l.
Iscritto all'Ordine degli Ingegneri della Provincia di Alessandria n° 1242
Ordine Geologi Piemonte n° 435

Rev.	Redatto	Verificato	Validato	Data	Timbri e Firme
1	Dott. V. Volgarino	Ing. M. Tuberga	Ing. L. Marenco	02/2019	

Il Responsabile del procedimento: FIRMA

Sede e Uffici: Corso Unione Sovietica n. 560 - 10135 Torino
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Iscrizione Tribunale Torino: 2080/87 C.C.I.A.A. di Torino: n.698052
Cod. Fisc. n. P. IVA: 05271990011