Regione Toscana

Comune di Empoli

Consorzio di Bonifica 3 Medio Valdarno

Via G. Verdi, 16 - 50122 FIRENZE

tel: 055 240269; fax: 055 241458; e-mail: info@cbmv.it

Titolario 13_1_153

Torrente Orme (Lotto A). Cassa di espansione Orme 4. Ponte sul Torrente Orme e nuovo tracciato Via delle Coltelline.

Codice regionale DODS2019FI0006

PROGETTO DEFINITIVO

Elaborato		scala
EG_T06	*Sezioni trasversali*	*1:200*



RESPONSABILE DEL PROCEDIMENTO

Ing. Francesco Piragino

PROGETTISTA

Ing. Jacopo Guerrini

PROGETTISTA STRUTTURALE BRIGLIA-PONTE

Ing. Salvatore Giacomo Morano

COLLABORATORI

Ing. Andrea Ruggiero

Geom. Massimiliano Lanini

GEOLOGI

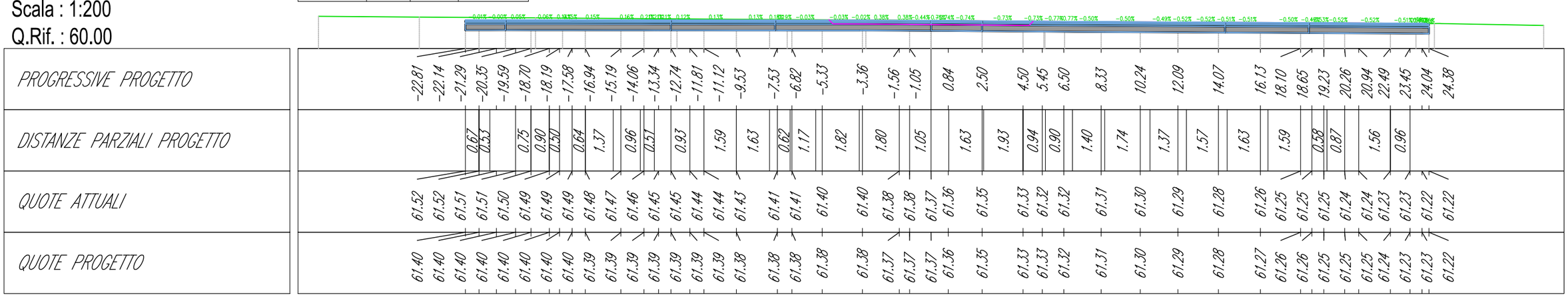
Dott. Lorenzo Cirri

Dott. Tamara Cantini Casserini

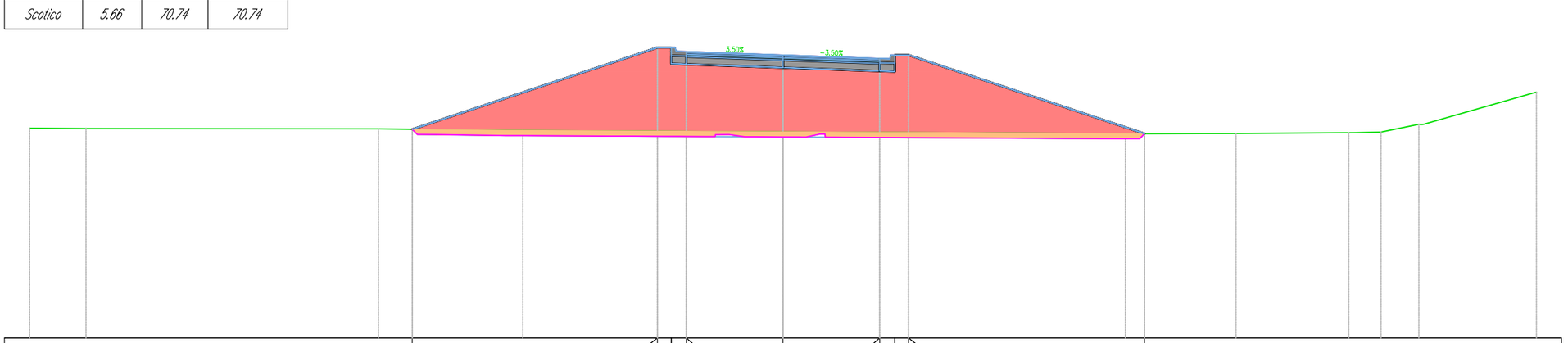
gennaio 2020

Mat. alla progr. 0+000.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	0.00	0.00	0.00
Scavo	0.00	0.00	0.00
Scotico	0.00	0.00	0.00

Via delle Coltelline
Sez. 1
Progr.: 0+000.00
Scala : 1:200
Q.Rif. : 60.00



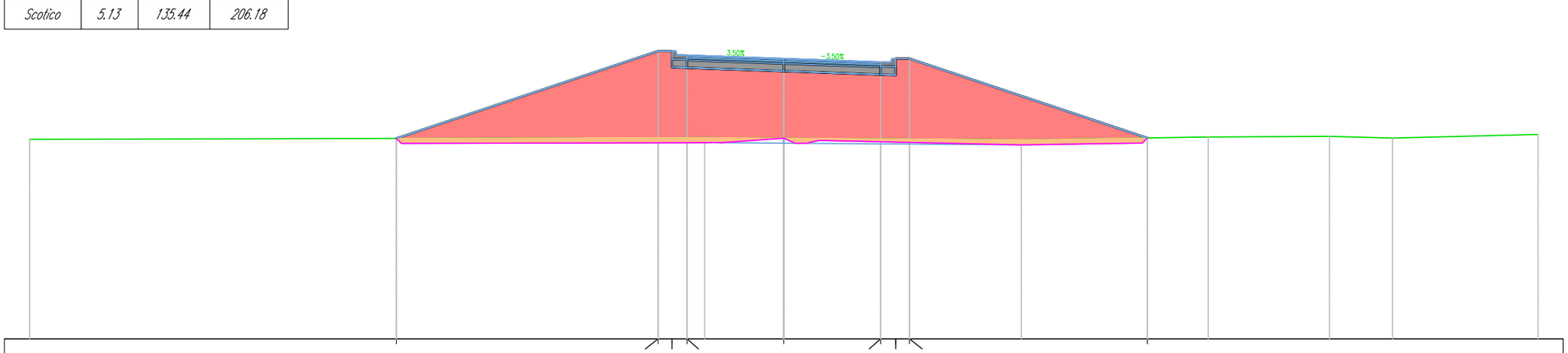
Mat. alla progr. 0+025.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	57.18	714.99	714.99
Scavo	0.00	0.00	0.00
Scotico	5.66	70.74	70.74



Via delle Coltelline
Sez. 2
Progr.: 0+025.00
Scala : 1:200
Q.Rif. : 50.00

PROGRESSIVE PROGETTO	-14.76			-5.00	-4.45	-3.85	0.00	3.85	4.45	5.00			14.40	
DISTANZE PARZIALI PROGETTO		9.76			0.55	3.85		3.85		0.55		9.40		
QUOTE ATTUALI	58.31			58.23	58.23	58.23	58.20	58.18	58.18	58.18			58.13	
QUOTE PROGETTO	58.31			61.56	61.56	61.40	61.26	61.13	61.27	61.27			58.13	

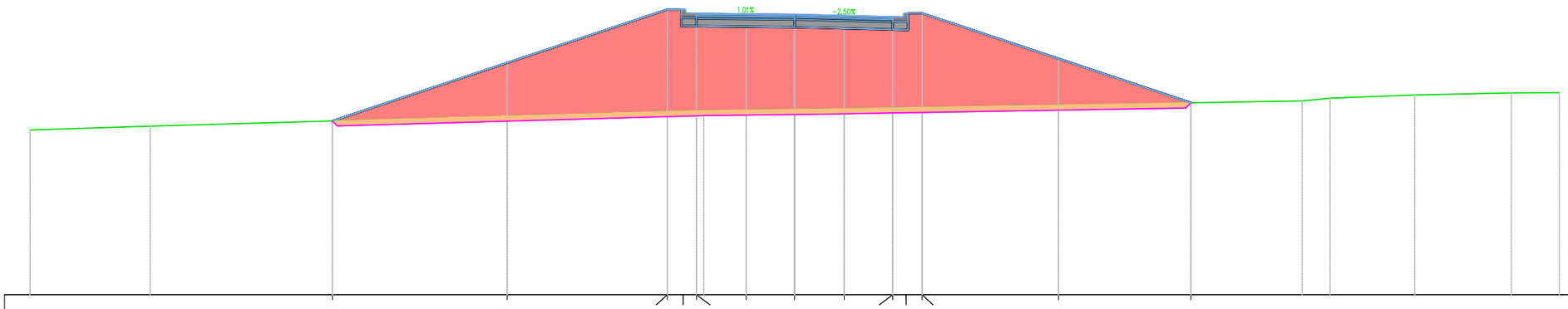
Mat. alla progr. 0+050.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	60.64	1478.12	2193.11
Scavo	0.00	0.00	0.00
Scotico	5.13	135.44	206.18



Via delle Coltelline
Sez. 3
Progr.: 0+050.00
Scala : 1:200
Q.Rif. : 50.00

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Mat. alla progr. 0+075.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	78.61	1752.16	3945.27
Scavo	0.00	0.00	0.00
Scotico	6.70	149.18	355.35

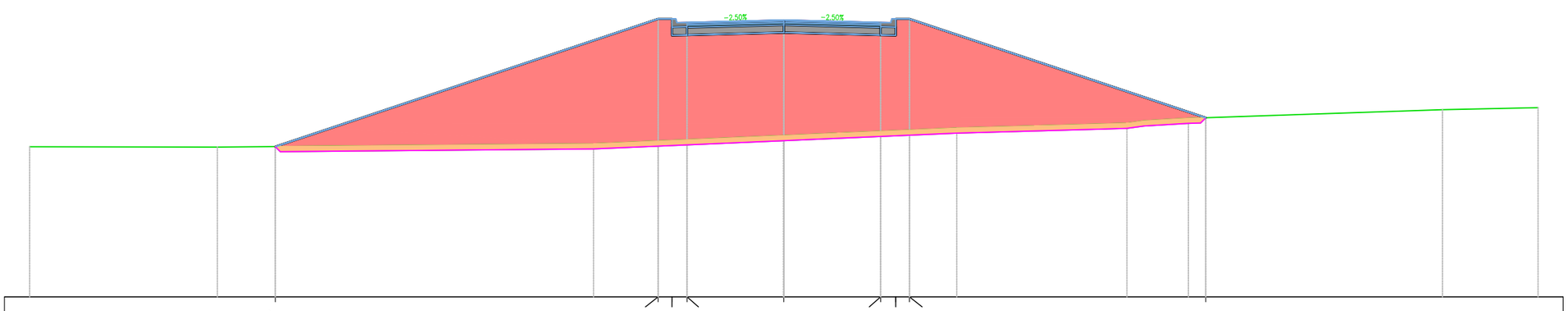


Via delle Coltelline
Sez. 4
Progr.: 0+075.00
Scala : 1:200
Q.Rif. : 50.00

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Mat. alla progr. 0+100.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	104.96	2299.07	6244.34
Scavo	0.00	0.00	0.00
Scotico	7.36	176.14	531.49

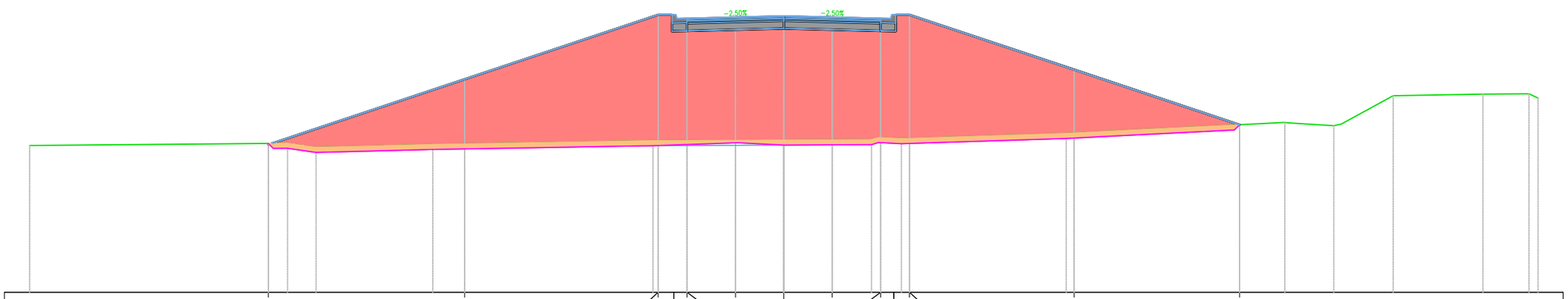
Via delle Coltelline
Sez. 5
Progr.: 0+100.00
Scala : 1:200
Q.Rif. : 50.00



PROGRESSIVE PROGETTO	-20.23		-5.00	-4.45	-3.85	0.00	3.85	4.45	5.00	16.78
DISTANZE PARZIALI PROGETTO		15.23		0.55		3.85		3.85	0.55	11.78
QUOTE ATTUALI	55.97		56.19	56.21	56.24	56.41	56.57	56.60	56.62	57.12
QUOTE PROGETTO	55.97		61.04	61.04	60.90	61.00	60.90	61.04	61.04	57.12

Mat. alla progr. 0+125.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	116.70	2770.75	9015.09
Scavo	0.00	0.05	0.05
Scotico	7.42	184.80	716.30

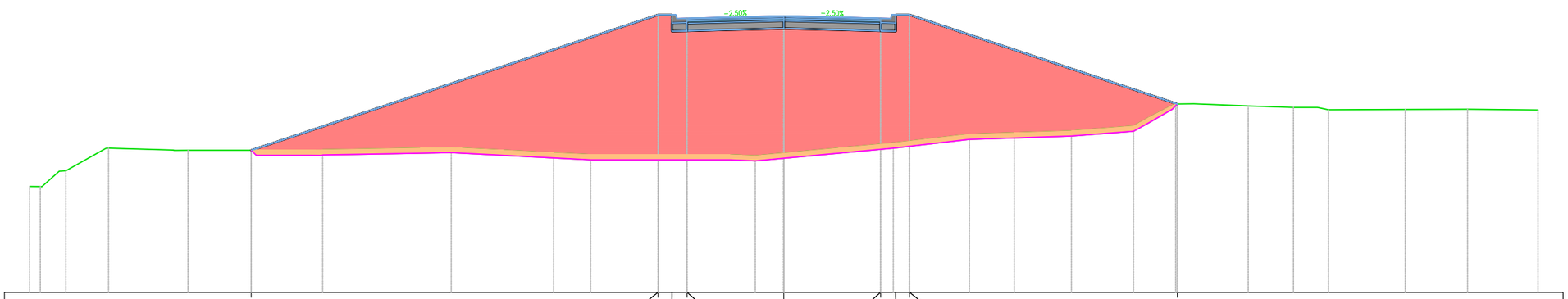
Via delle Coltelline
Sez. 6
Progr.: 0+125.00
Scala : 1:200
Q.Rif. : 50.00



PROGRESSIVE PROGETTO	-20.50	-12.70	-5.00	-4.38	-3.85	-1.92	1.93	3.85	4.38	5.00	11.55	18.13
DISTANZE PARZIALI PROGETTO		7.81	7.70		1.92	1.92	1.93	1.92		6.55	6.58	
QUOTE ATTUALI	55.92	55.90	56.03	56.04	56.04	56.05	56.06	56.07	56.15	56.13	56.12	56.34	56.67
QUOTE PROGETTO	55.88	58.48	61.04	61.04	60.90	60.95	61.00	60.95	60.90	61.04	61.04	58.86	56.67

Mat. alla progr. 0+150.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	122.88	2994.69	12009.78
Scavo	0.00	0.05	0.09
Scotico	7.30	184.05	900.34

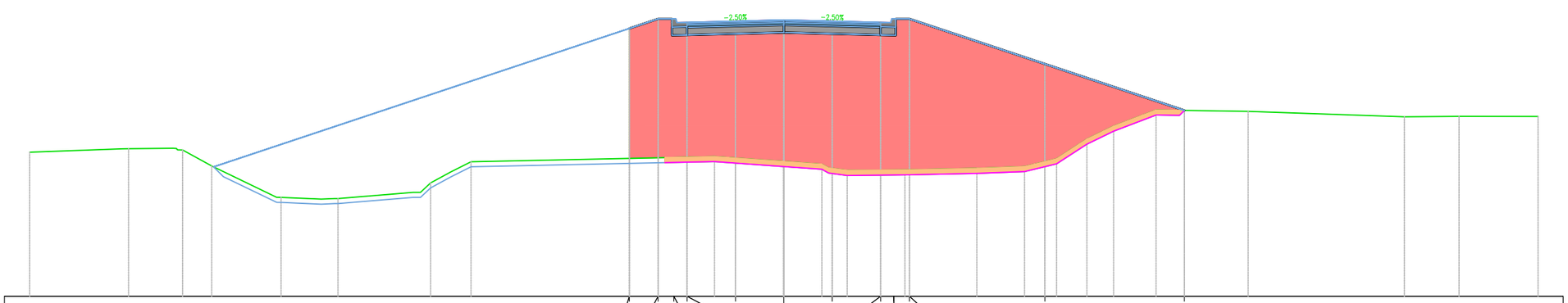
Via delle Coltelline
Sez. 7
Progr.: 0+150.00
Scala : 1:200
Q.Rif. : 50.00



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Mat. alla progr. 0+165.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	94.55	1630.75	13640.53
Scavo	0.00	0.00	0.09
Scotico	4.11	85.60	985.95

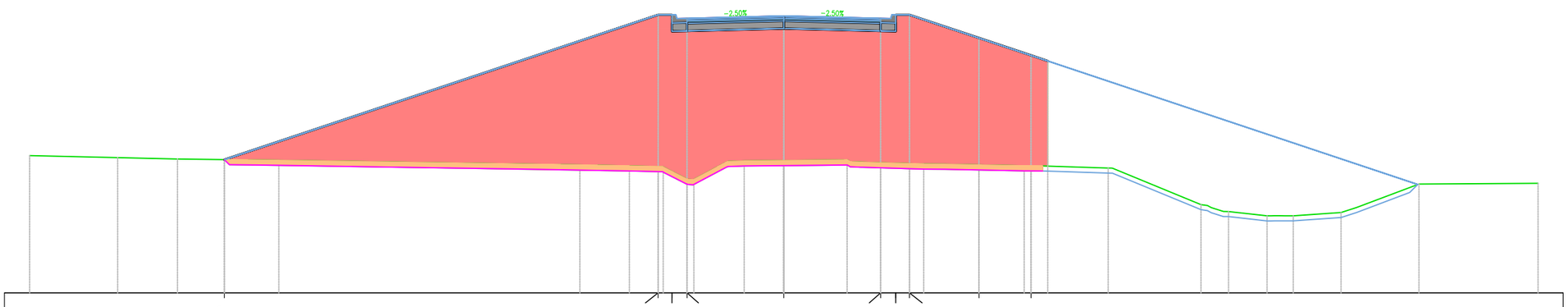
Via delle Coltelline
Sez. 8
Progr.: 0+165.00
Scala : 1:200
Q.Rif. : 50.00



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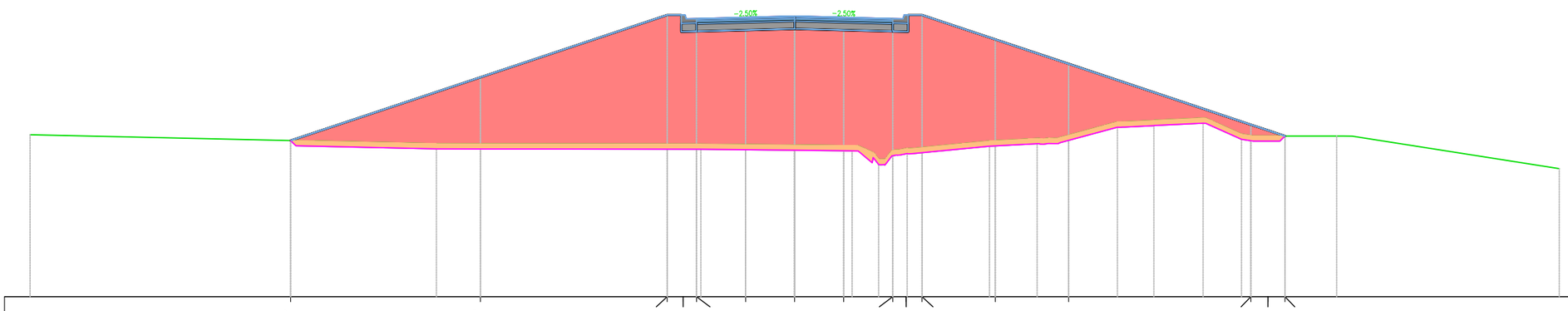
Mat. alla progr. 0+200.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	133.61	3992.89	17633.41
Scavo	0.00	0.00	0.09
Scotico	6.49	185.55	1171.49

Via delle Coltelline
Sez. 9
Progr.: 0+200.00
Scala : 1:200
Q.Rif. : 50.00



PROGRESSIVE PROGETTO	-22.26	-5.00	-4.45	-3.85	0.00	3.85	4.45	5.00	7.76	9.83
DISTANZE PARZIALI PROGETTO	17.26	0.55		3.85	3.85		0.55		2.76	2.07
QUOTE ATTUALI	55.29	55.01	54.82	54.52	55.25	55.17	55.15	55.13	55.08	55.04
QUOTE PROGETTO	55.29	61.04	61.04	60.90	61.00	60.90	61.04	61.04	60.12	59.43

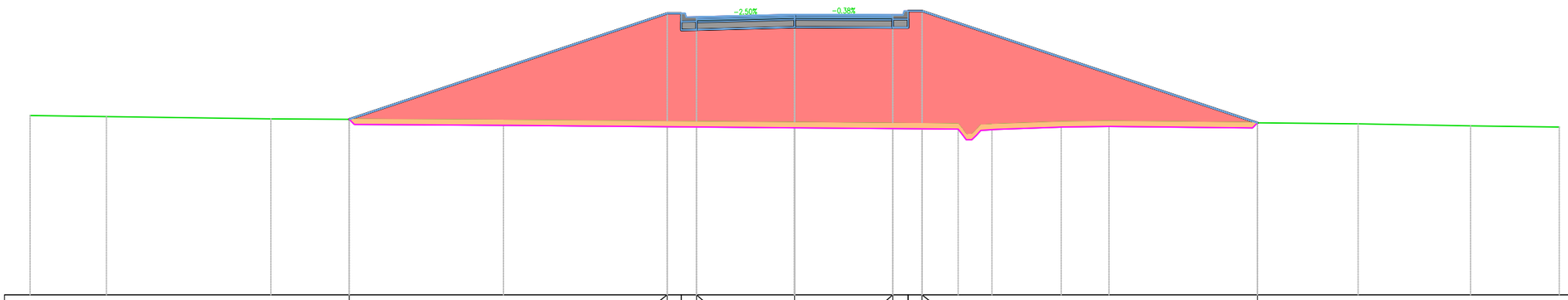
Mat. alla progr. 0+225.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	115.90	3118.87	20752.29
Scavo	0.00	0.00	0.09
Scotico	7.82	178.84	1350.34



Via delle Coltelline
Sez. 10
Progr.: 0+225.00
Scala : 1:200
Q.Rif. : 50.00

PROGRESSIVE PROGETTO	-19.77		-12.33		-5.00	-4.38	-3.85	-1.93	0.00	1.92	3.85	4.37	5.00	7.87	10.75		17.90	18.57	19.24
DISTANZE PARZIALI PROGETTO		7.45		7.33			1.92	1.93	1.92	1.93			2.87	2.87		7.15		0.67	0.67
QUOTE ATTUALI	56.12		55.99		55.98	55.98	55.98	55.96	55.94	55.92	55.73	55.80	55.84	56.11	56.33		56.31	56.30	56.30
QUOTE PROGETTO	56.12		58.60		61.04	61.04	60.90	60.95	61.00	60.95	60.90	61.04	61.04	60.09	59.13		56.74	56.52	56.30

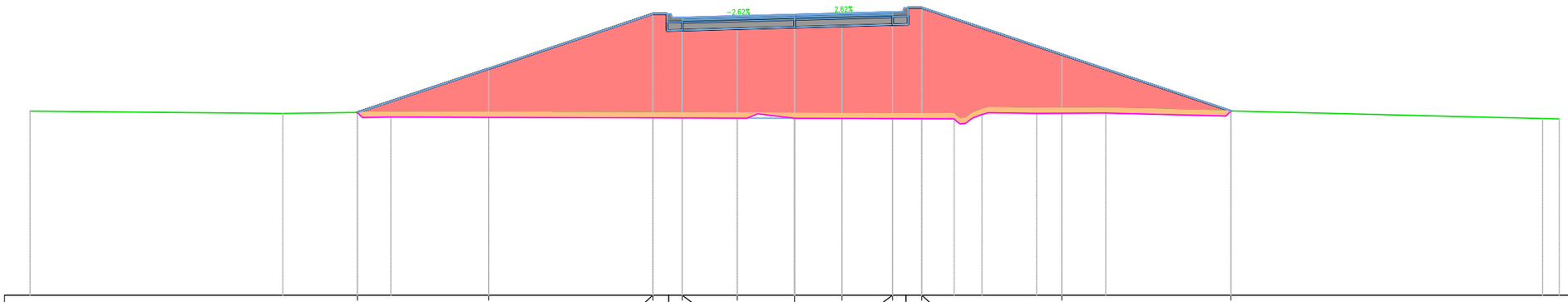
Mat. alla progr. 0+250.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	93.31	2613.46	23365.75
Scavo	0.00	0.00	0.09
Scotico	7.09	186.35	1536.68



Via delle Coltelline
Sez. 11
Progr.: 0+250.00
Scala : 1:200
Q.Rif. : 50.00

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Mat. alla progr. 0+275.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	82.49	2201.41	25567.16
Scavo	0.00	0.00	0.09
Scotico	6.66	172.18	1708.86

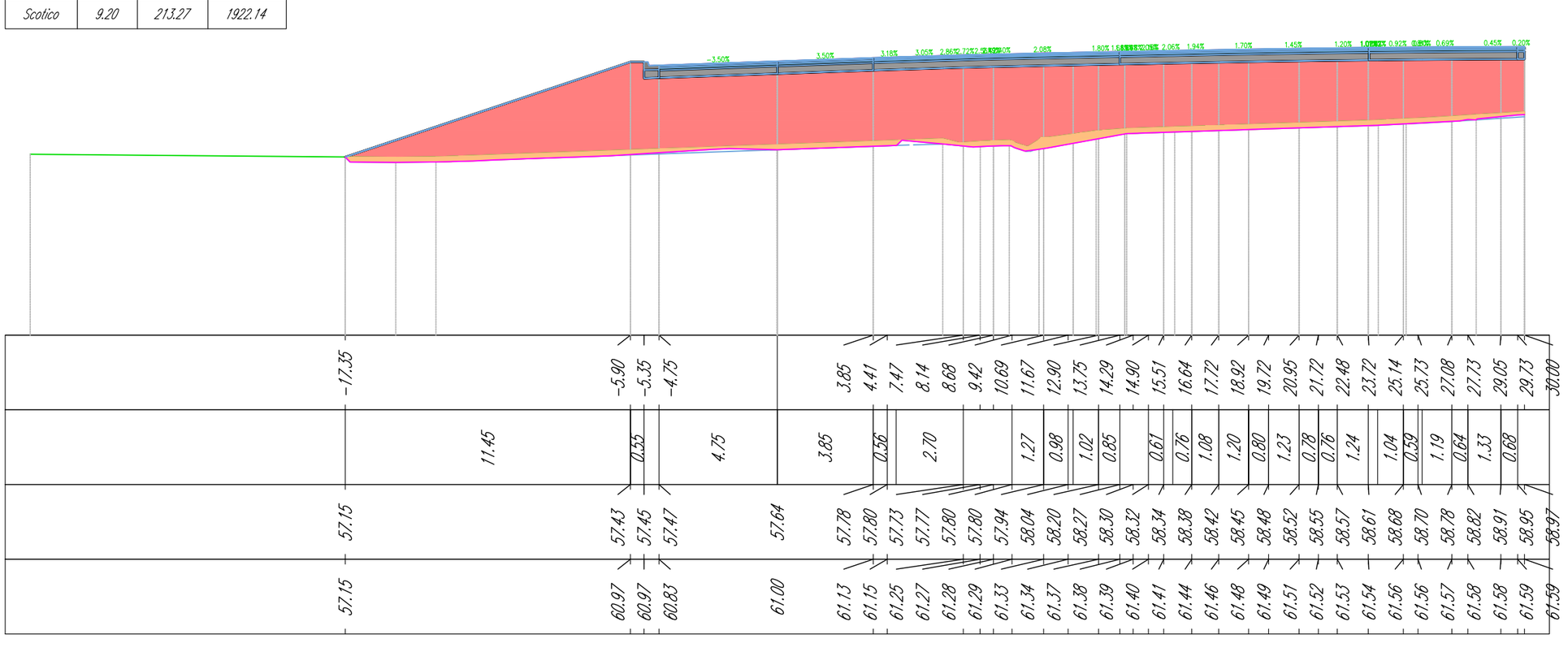


Via delle Coltelline
Sez. 12
Progr.: 0+275.00
Scala : 1:200
Q.Rif. : 50.00

PROGRESSIVE PROGETTO	-17.15		-12.01		-5.56	-4.94	-4.41	-2.26		1.86	3.84	4.37	4.99		10.48		17.12							
DISTANZE PARZIALI PROGETTO		5.11		6.45			2.16	2.25	1.86	1.99			5.49		6.64									
QUOTE ATTUALI	57.16		57.17		57.15	57.15	57.14	57.14	57.13	57.13	57.12	57.12	57.12		57.33		57.22							
QUOTE PROGETTO	57.16		58.87		61.02	61.02	60.88	60.94	61.00	61.05	61.10	61.26	61.26		59.43		57.22							

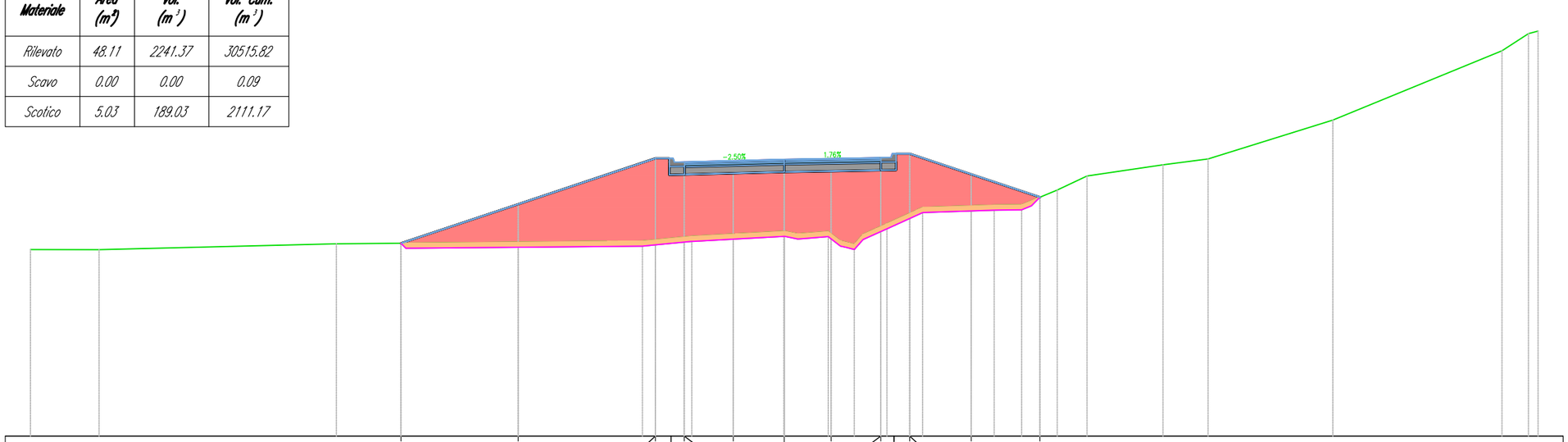
Mat. alla progr. 0+300.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	117.12	2707.30	28274.46
Scavo	0.00	0.00	0.09
Scotico	9.20	213.27	1922.14

Via delle Coltelline
Sez. 13
Progr.: 0+300.00
Scala : 1:200
Q.Rif. : 50.00



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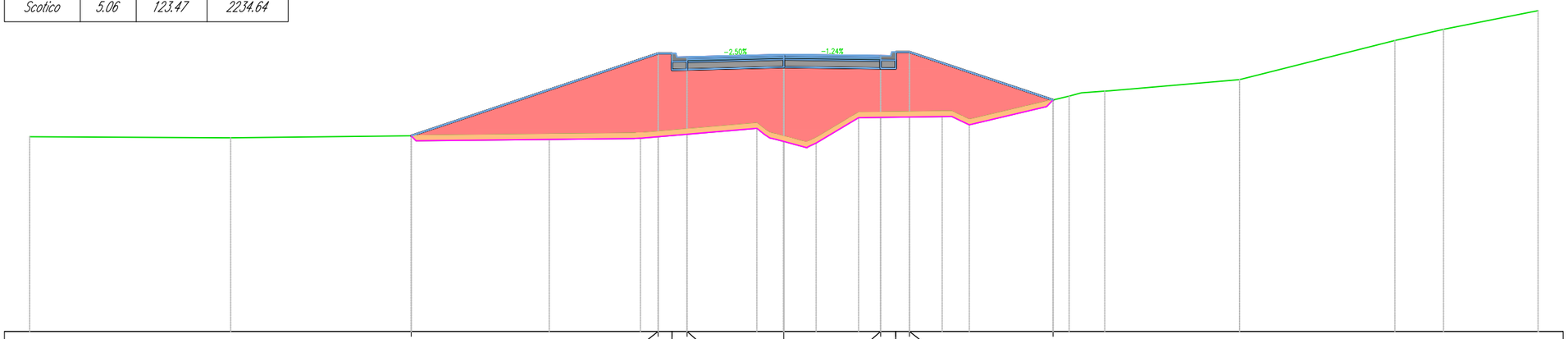
Mat. alla progr. 0+325.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	48.11	2241.37	30515.82
Scavo	0.00	0.00	0.09
Scotico	5.03	189.03	2111.17



Via delle Coltelline
Sez. 14
Progr.: 0+325.00
Scala : 1:200
Q.Rif. : 50.00

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Mat. alla progr. 0+350.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	47.19	1170.60	31686.42
Scavo	0.00	0.00	0.09
Scotico	5.06	123.47	2234.64

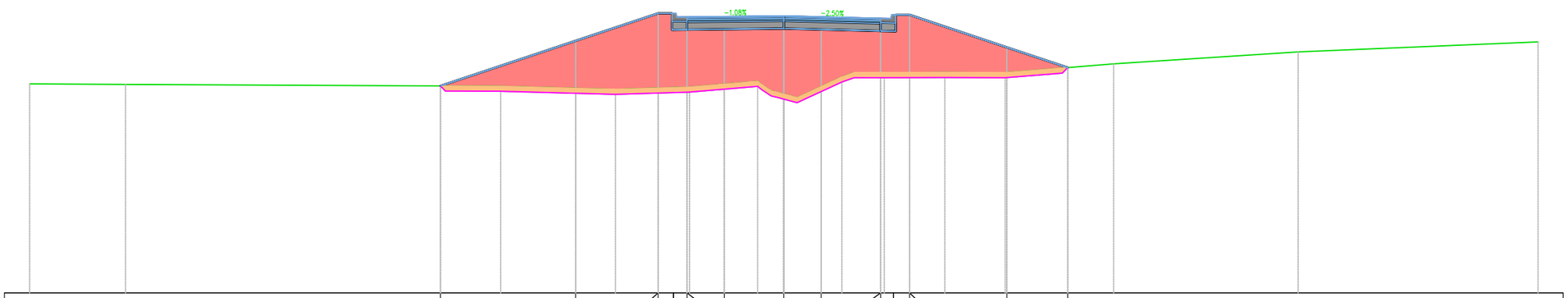


Via delle Coltelline
Sez. 15
Progr.: 0+350.00
Scala : 1:200
Q.Rif. : 50.00

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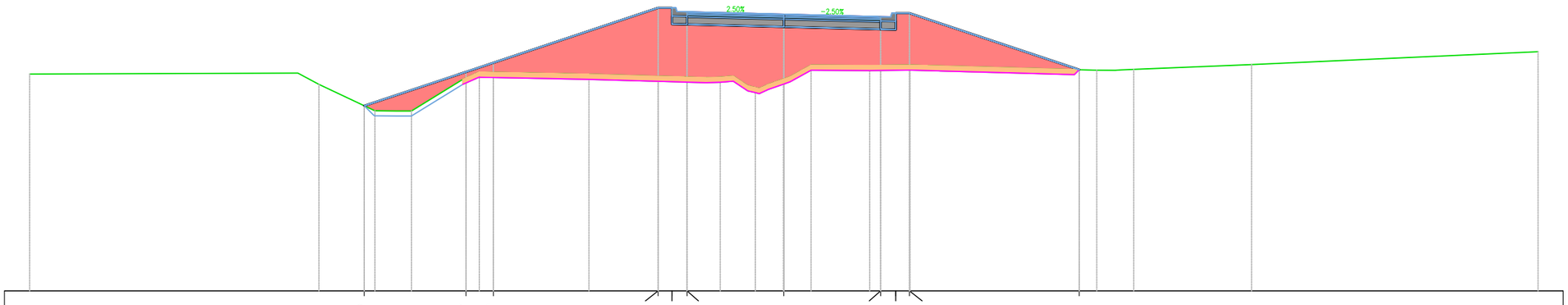
Mat. alla progr. 0+375.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	42.66	1123.15	32809.58
Scavo	0.00	0.00	0.09
Scotico	4.95	125.12	2359.76

Via delle Coltelline
Sez. 16
Progr.: 0+375.00
Scala : 1:200
Q.Rif. : 50.00



PROGRESSIVE PROGETTO	-13.66		-8.28		-5.00	-4.39	-3.85	-2.37		1.48		3.85	4.36	5.00		8.87		11.29				
DISTANZE PARZIALI PROGETTO		5.38		3.28			1.48		2.37		1.48		2.37		3.87		2.42					
QUOTE ATTUALI	58.22		58.13		58.14	58.15	58.17	58.29		57.90		58.19	58.75	58.75		58.75		58.95				
QUOTE PROGETTO	58.22		60.01		61.10	61.10	60.96	60.97		61.00		60.96	60.90	61.04		61.04		59.75		58.95		

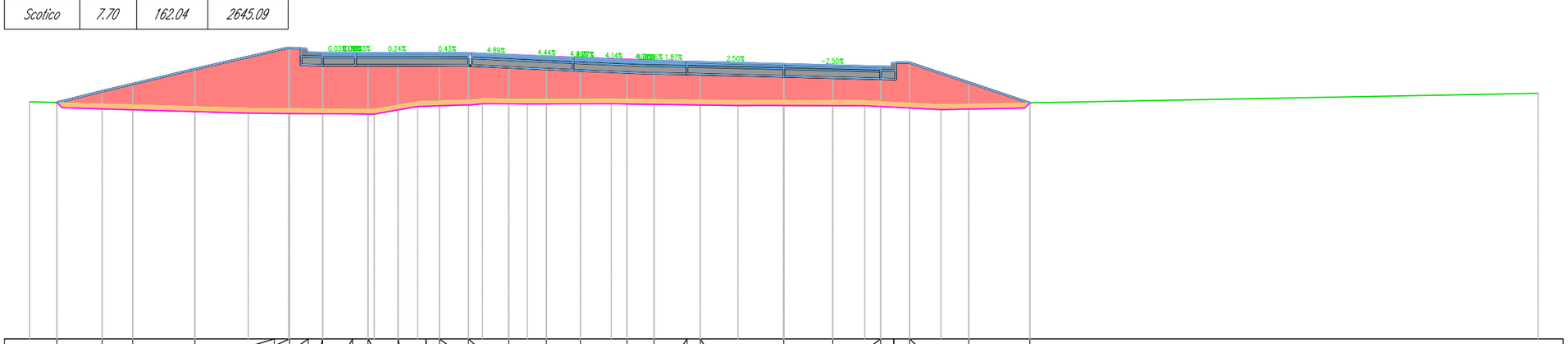
Mat. alla progr. 0+400.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	38.65	1021.96	33831.53
Scavo	0.00	0.00	0.09
Scotico	4.88	123.29	2483.05



Via delle Coltelline
Sez. 17
Progr.: 0+400.00
Scala : 1:200
Q.Rif. : 50.00

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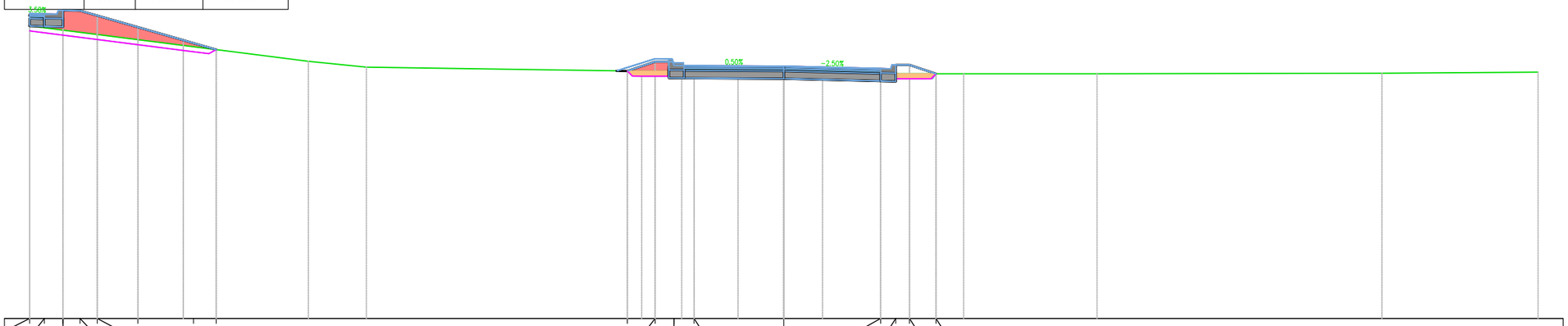
Mat. alla progr. 0+425.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	46.03	1094.35	34925.89
Scavo	0.00	0.00	0.09
Scotico	7.70	162.04	2645.09



Via delle Coltelline
Sez. 18
Progr.: 0+425.00
Scala : 1:200
Q.Rif. : 50.00

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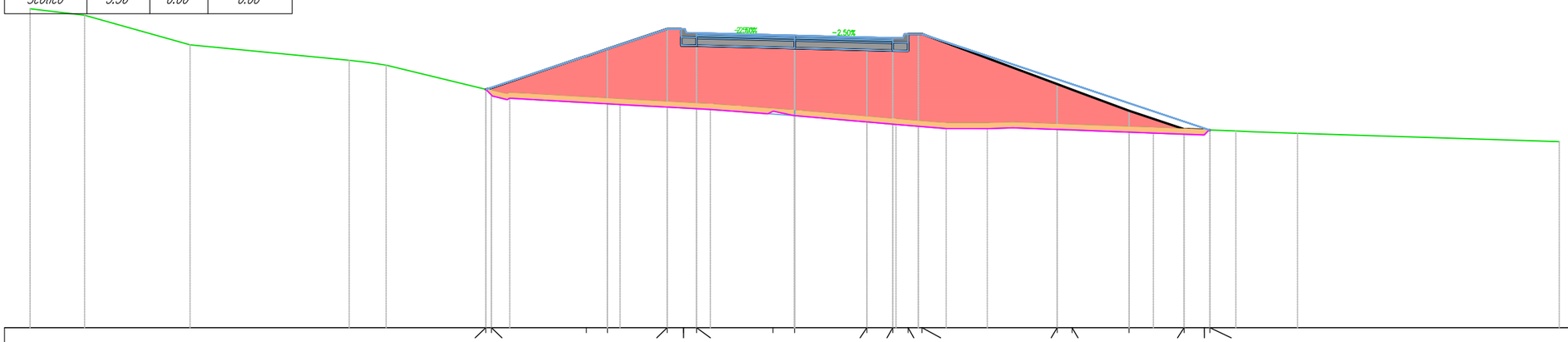
Mat. alla progr. 0+450.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	3.39	651.62	35577.50
Scavo	2.31	28.93	29.02
Scotico	0.61	108.11	2753.21



Via delle Coltelline
Sez. 19
Progr.: 0+450.00
Scala : 1:200
Q.Rif. : 50.00

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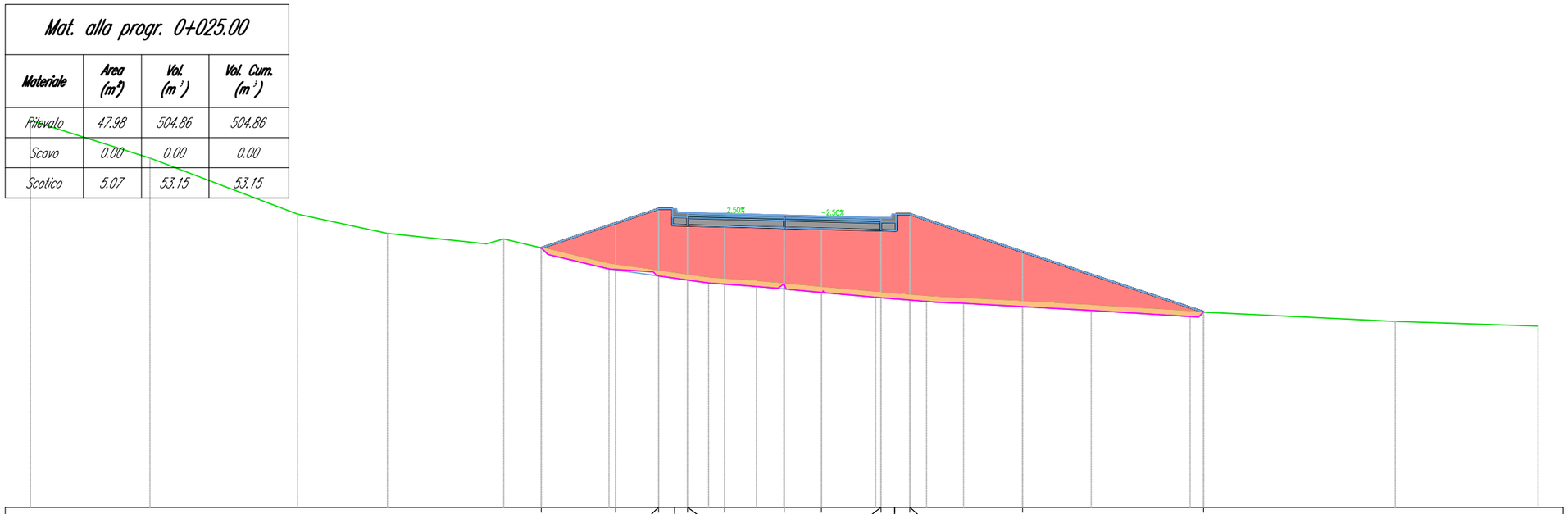
Mat. alla progr. 0+015.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	53.03	0.00	0.00
Scavo	0.00	0.00	0.00
Scotico	5.56	0.00	0.00



Via Poggio Piedi
Sez. 1
Progr.: 0+015.00
Scala : 1:200
Q.Rif. : 50.00

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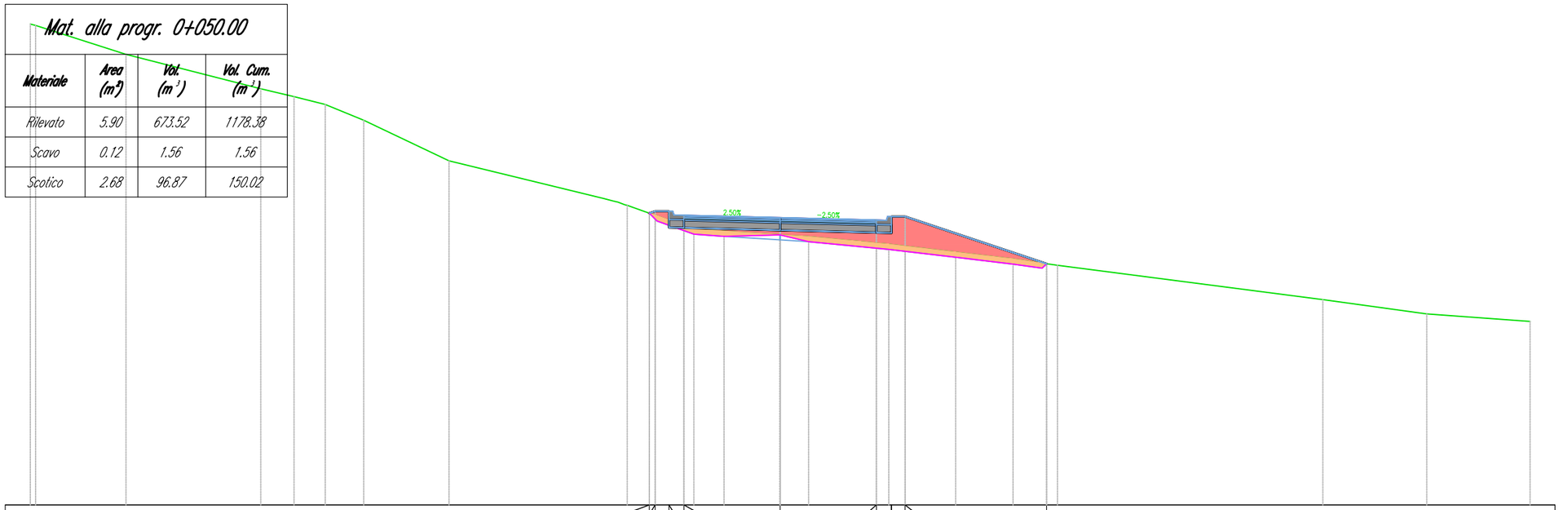
Mat. alla progr. 0+025.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	47.98	504.86	504.86
Scavo	0.00	0.00	0.00
Scotico	5.07	53.15	53.15



Via Poggio Piedi
Sez. 2
Progr.: 0+025.00
Scala : 1:200
Q.Rif. : 50.00

PROGRESSIVE PROGETTO	-9.67	-6.71	-5.00	-4.36	-3.85	-2.37	0.00	1.48	3.85	4.39	5.00	9.49	16.68
DISTANZE PARZIALI PROGETTO		2.96	1.71		1.48	2.37	1.48	2.37			4.49	7.20	
QUOTE ATTUALI	60.31	59.64	59.40	59.31	59.23	59.07	58.88	58.75	58.53	58.49	58.44	58.18	57.76
QUOTE PROGETTO	60.31	61.30	61.87	61.87	61.71	61.67	61.62	61.58	61.52	61.66	61.66	60.16	57.76

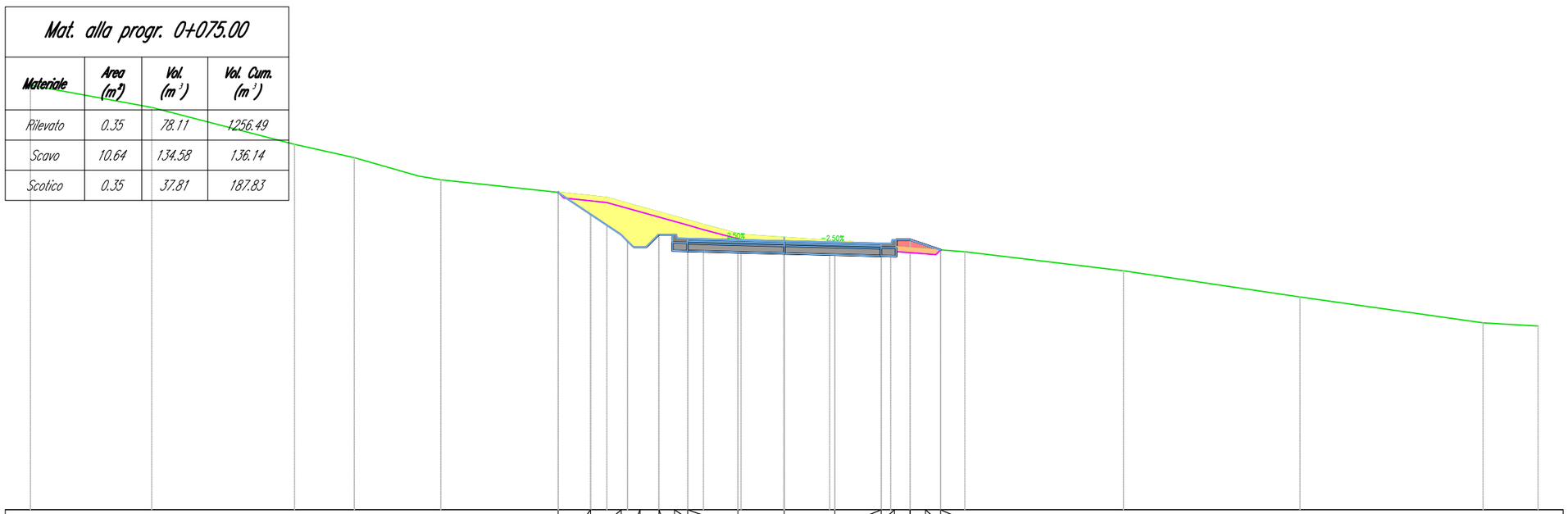
Mat. alla progr. 0+050.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	5.90	673.52	1178.38
Scavo	0.12	1.56	1.56
Scotico	2.68	96.87	150.02



Via Poggio Piedi
Sez. 3
Progr.: 0+050.00
Scala : 1:200
Q.Rif. : 50.00

PROGRESSIVE PROGETTO	-5.23	-5.00	-4.45	-3.85	0.00	3.85	4.45	5.00	10.66	
DISTANZE PARZIALI PROGETTO		0.55		3.85		3.85		0.55	5.66	
QUOTE ATTUALI	61.65	61.57	61.38	61.16	60.79	60.46	60.40	60.33	59.63	
QUOTE PROGETTO	61.65	61.73	61.73	61.57	61.48	61.38	61.52	61.52	59.63	

Mat. alla progr. 0+075.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	0.35	78.11	1256.49
Scavo	10.64	134.58	136.14
Scotico	0.35	37.81	187.83

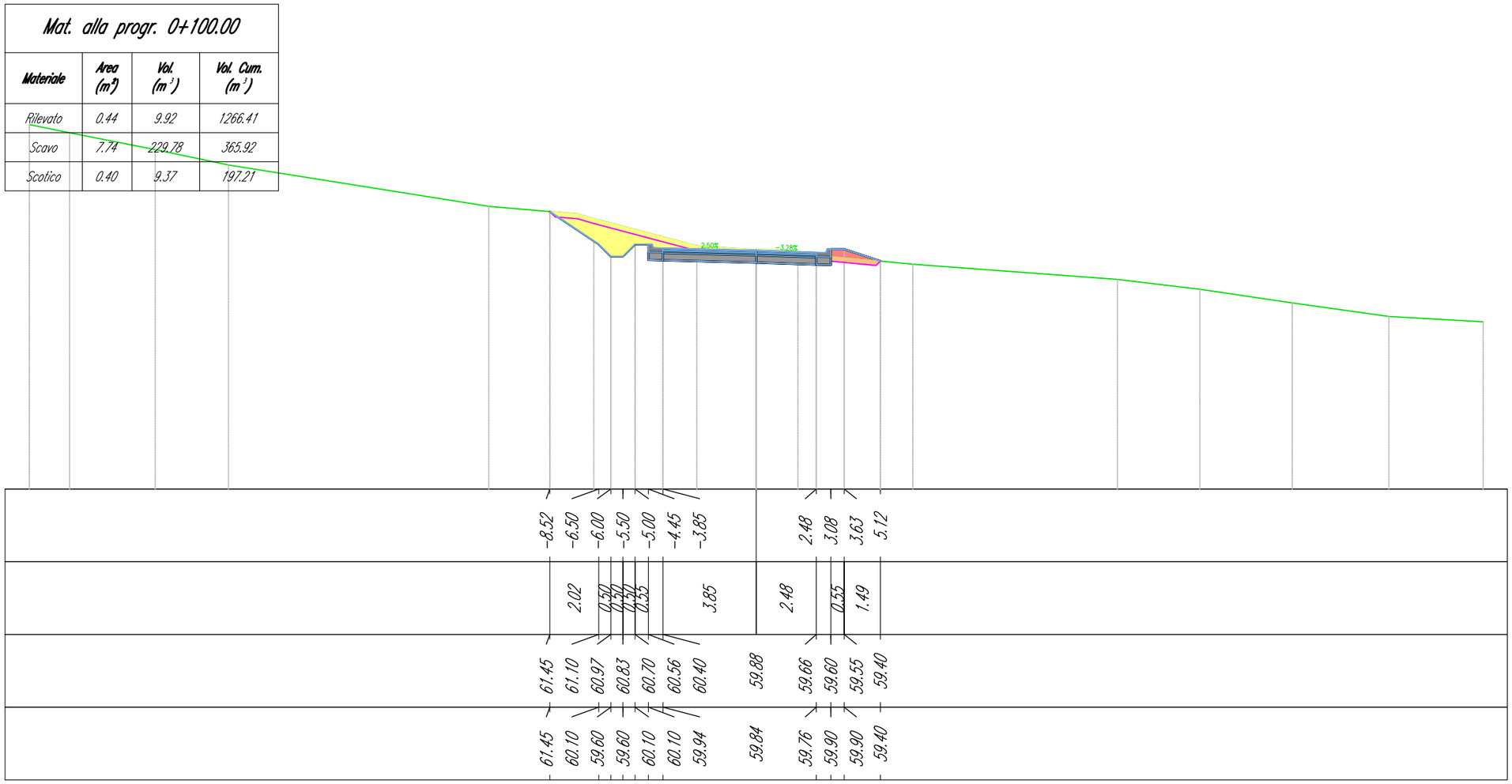


Via Poggio Piedi
Sez. 4
Progr.: 0+075.00
Scala : 1:200
Q.Rif. : 50.00

PROGRESSIVE PROGETTO	-9.00	-7.71	-6.49	-5.74	-4.99	-4.36	-3.84	-1.84	0.00	2.01	3.86	4.38	5.01	5.62	6.22
DISTANZE PARZIALI PROGETTO		1.29	1.22			2.00		1.84	2.00	1.85			0.61	0.60	
QUOTE ATTUALI	62.62	62.48	62.26	62.05	61.84	61.66	61.52	60.97	60.82	60.70	60.52	60.47	60.42	60.38	60.33
QUOTE PROGETTO	62.62	61.76	60.95	60.45	60.95	60.95	60.79	60.74	60.69	60.64	60.60	60.74	60.74	60.53	60.33

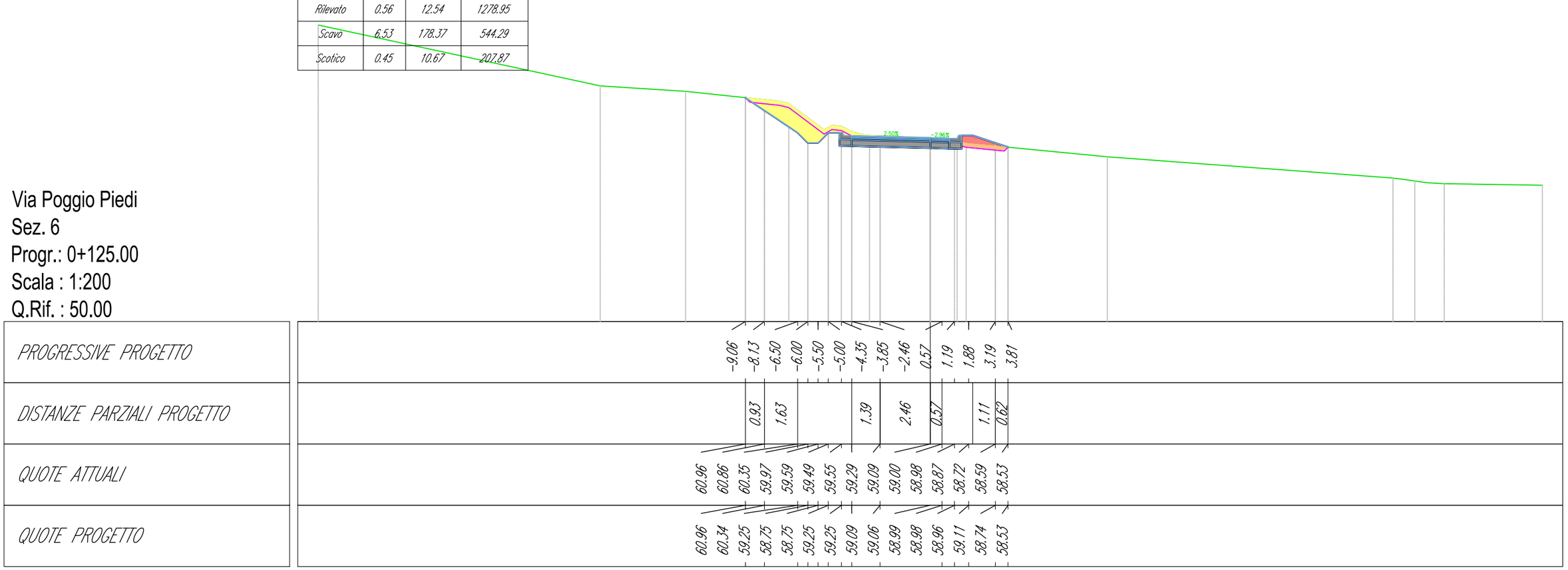
Mat. alla progr. 0+100.00			
Materiale	Area (m^2)	Vol. (m^3)	Vol. Cum. (m^3)
Rilevato	0.44	9.92	1266.41
Scavo	7.74	229.78	365.92
Scotico	0.40	9.37	197.21

Via Poggio Piedi
Sez. 5
Progr.: 0+100.00
Scala : 1:200
Q.Rif. : 50.00

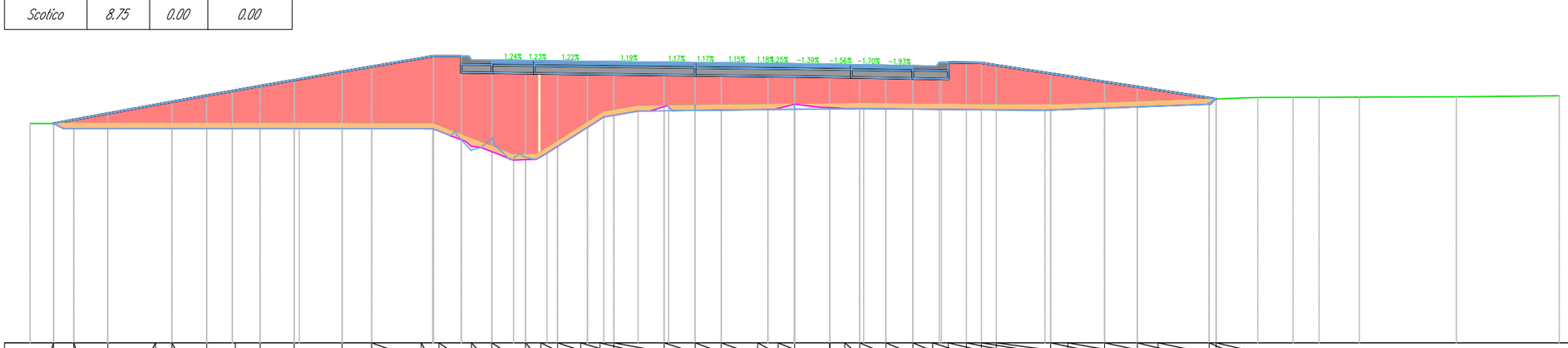


Mat. alla progr. 0+125.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	0.56	12.54	1278.95
Scavo	6.53	178.37	544.29
Scotico	0.45	10.67	207.87

Via Poggio Piedi
Sez. 6
Progr.: 0+125.00
Scala : 1:200
Q.Rif. : 50.00



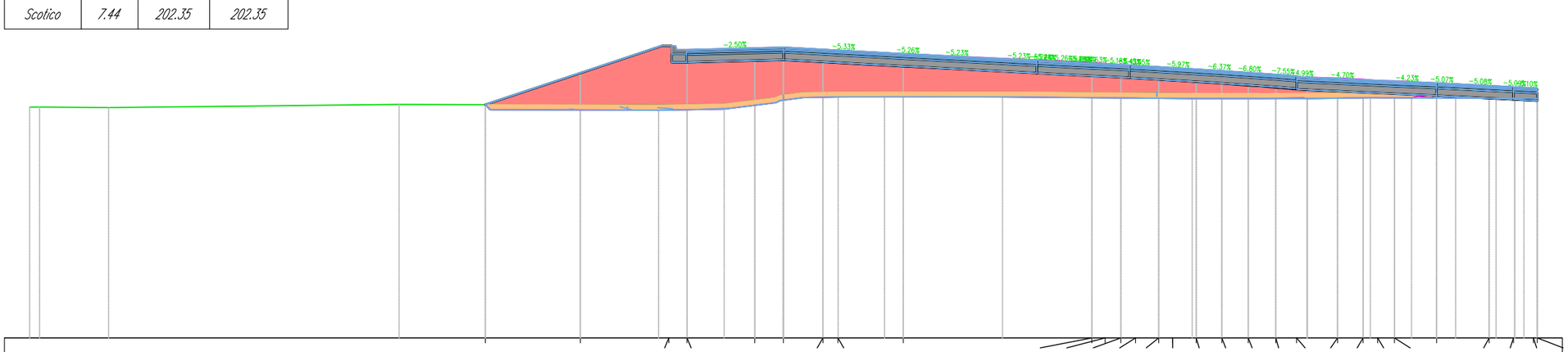
Mat. alla progr. 0+000.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	62.87	0.00	0.00
Scavo	0.00	0.00	0.00
Scotico	8.75	0.00	0.00



Via delle Coltelline Sud
Sez. 1
Progr.: 0+000.00
Scala : 1:200
Q.Rif. : 50.00

| | | |

Mat. alla progr. 0+025.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	32.51	1192.19	1192.19
Scavo	0.91	11.34	11.34
Scotico	7.44	202.35	202.35

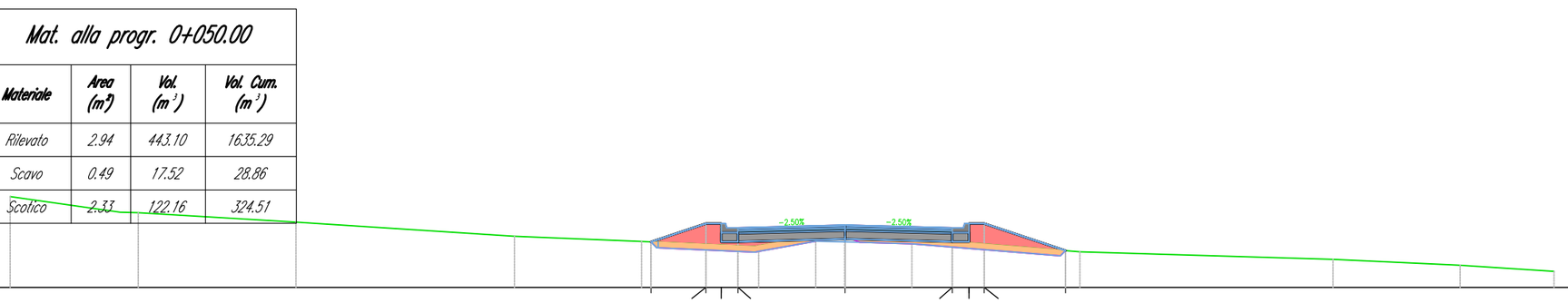


Via delle Coltelline Sud
Sez. 2
Progr.: 0+025.00
Scala : 1:200
Q.Rif. : 50.00

PROGRESSIVE PROGETTO	-11.86	-8.08	-4.56	-3.84	-1.14	0.00	1.57	2.17	4.77	12.28	12.80	13.43	14.02	14.94	15.49	16.43	17.45	18.50	19.59	20.42	22.05	23.07	23.65	24.32	25.99	28.08	29.06	29.85	30.00
DISTANZE PARZIALI PROGETTO		3.78	3.25		2.70	1.14	1.57	0.60	2.60	7.51		0.63	0.69	0.66	0.94	1.05	0.65	0.61	1.21	1.02	0.38	0.67	1.68		1.67	0.97	0.71		
QUOTE ATTUALI	59.29	59.28	59.27	59.29	59.46	59.67	59.78	59.79	59.80	59.77	59.76	59.76	59.75	59.74	59.74	59.73	59.73	59.73	59.73	59.73	59.75	59.76	59.76	59.76	59.75	59.75	59.74	59.74	59.75
QUOTE PROGETTO	59.29	60.55	61.63	61.48	61.55	61.58	61.49	61.46	61.32	60.96	60.93	60.89	60.85	60.80	60.76	60.70	60.64	60.56	60.47	60.40	60.35	60.30	60.25	60.24	60.15	60.05	60.00	59.96	59.95

Via delle Coltelline Sud
Sez. 3
Progr.: 0+050.00
Scala : 1:200
Q.Rif. : 60.00

Mat. alla progr. 0+050.00			
Materiale	**Area (m^2)**	**Vol. (m^3)**	**Vol. Cum. (m^3)**
Rilevato	2.94	443.10	1635.29
Scavo	0.49	17.52	28.86
Scotico	2.33	122.16	324.51



PROGRESSIVE PROGETTO	-6.97	-5.00	-4.45	-3.85	0.00	3.85	4.45	5.00	7.92
DISTANZE PARZIALI PROGETTO		1.97	0.55	3.85	3.85		0.55	2.92	
QUOTE ATTUALI	61.63	61.54	61.52	61.49	61.83	61.65	61.60	61.56	61.32
QUOTE PROGETTO	61.63	62.29	62.29	62.14	62.24	62.14	62.29	62.29	61.32