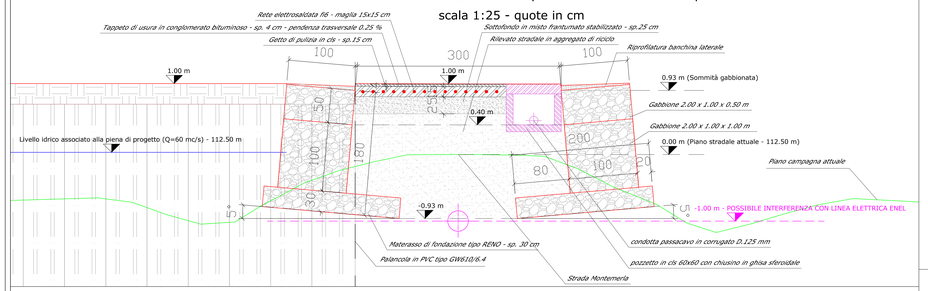
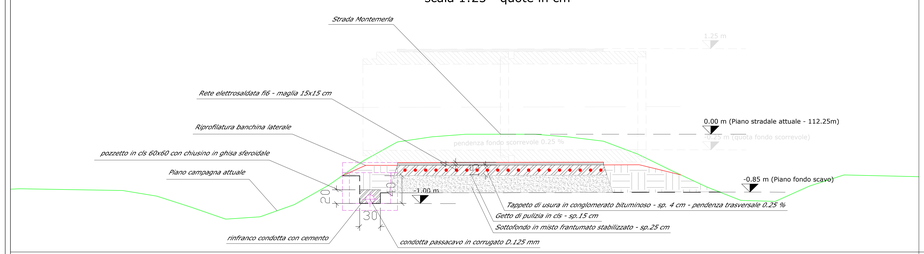
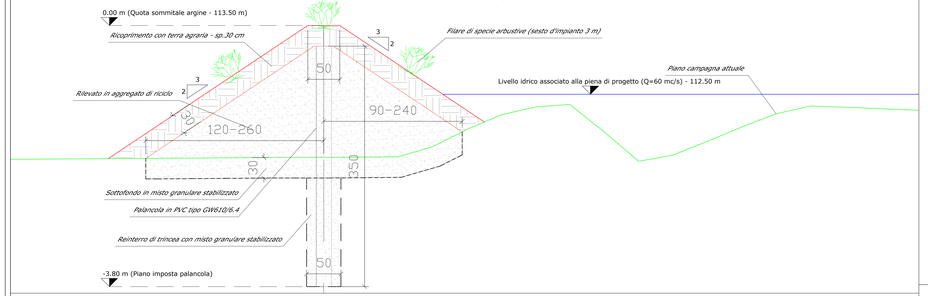
DETTAGLIO 1 - Rilevato stradale in corrispondenza del manufatto di protezione
scala 1:25 - quote in cm



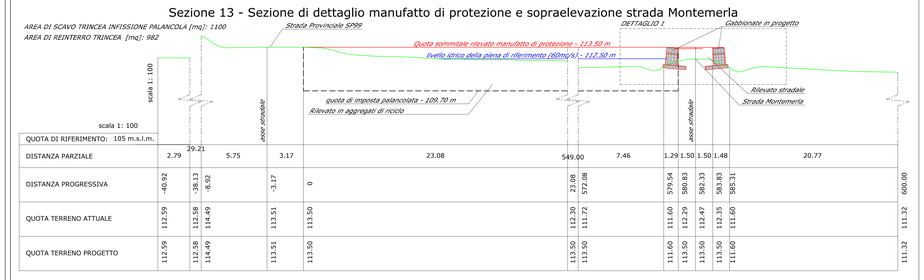
DETTAGLIO 2 - Sezione in corrispondenza dell'abbassamento str. Montemerla
scala 1:25 - quote in cm



DETTAGLIO 3 - Sezione tipo rilevato del manufatto di protezione - scala 1:25 - quote in cm

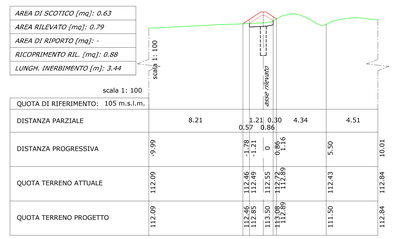


Sezione 13 - Sezione di dettaglio manufatto di protezione e sopraelevazione strada Montemerla



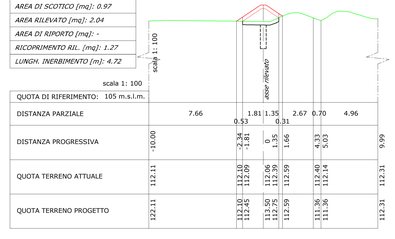
DISTANZA PARZIALE	2.79	29.21 5.75	3.17	23.08	549.00	7.46	1.29	1.50	1.50	1.48	20.77			
DISTANZA PROGRESSIVA	-40.92	-38.13 -8.92	-3.17	0	23.08	572.08	579.54	580.83	582.33	583.83	585.31	600.00		
QUOTA TERRENO ATTUALE	112.59	112.58 114.49	113.51	113.50	112.30	111.72	111.60	112.29	112.47	112.35	111.60	111.32		
QUOTA TERRENO PROGETTO	112.59	112.58 114.49	113.51	113.50	113.50	113.50	111.60	113.50	113.50	113.50	111.60	111.32		

Sezione 01



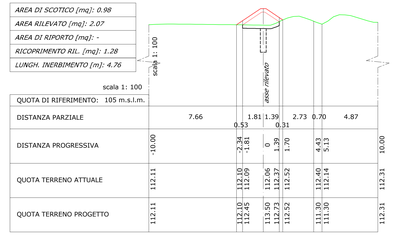
DISTANZA PARZIALE		8.21	1.21 0.57	0.30 0.86	4.34	4.51								
DISTANZA PROGRESSIVA	-9.99		-1.78 -1.21	0	0.86 1.16	5.50						10.01		
QUOTA TERRENO ATTUALE	112.09		112.46 112.45	112.50	112.72 112.86	112.43						112.84		
QUOTA TERRENO PROGETTO	112.09		112.46 112.45	113.50 113.50	112.89 112.89	111.50						112.84		

Sezione 02



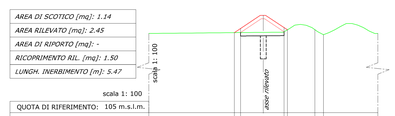
DISTANZA PARZIALE		7.66	1.81 0.53	1.35 0.31	2.67	0.70	4.96							
DISTANZA PROGRESSIVA	-10.00		-2.34 -1.81	0	1.35	1.66	4.33 5.03					9.99		
QUOTA TERRENO ATTUALE	112.11		112.10 112.09	112.06	112.59	112.59	112.40 112.14					112.31		
QUOTA TERRENO PROGETTO	122.11		113.10 112.45	113.50 112.75	112.59	112.59	111.30 111.30					112.31		

Sezione 03



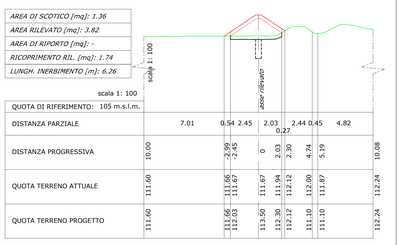
DISTANZA PARZIALE		7.66	1.81 0.53	1.39 0.31	2.73	0.70	4.87							
DISTANZA PROGRESSIVA	-10.00		-2.34 -1.81	0	1.39	1.70	4.43 5.13					10.00		
QUOTA TERRENO ATTUALE	112.11		112.10 112.09	112.06	112.37	112.52	112.40 112.14					112.31		
QUOTA TERRENO PROGETTO	112.11		112.10 112.45	113.50 112.23	112.52	112.52	111.30 111.30					112.31		

Sezione 04



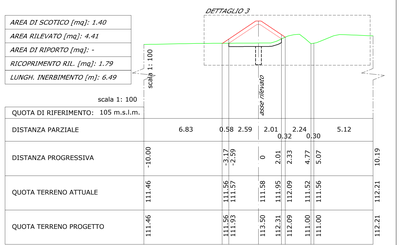
DISTANZA PARZIALE		7.47	1.98 0.55	1.81 0.29	2.45	0.70	4.75							
DISTANZA PROGRESSIVA	-10.00		-2.53 -1.98	0	1.81	2.10	4.55 5.25					10.00		
QUOTA TERRENO ATTUALE	111.92		111.99 112.00	112.01	112.42	112.23	112.21 111.80					111.92		
QUOTA TERRENO PROGETTO	111.92		111.99 112.36	113.50 112.06	112.23	112.23	111.20 111.20					111.92		

Sezione 05



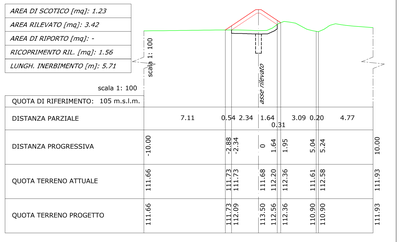
DISTANZA PARZIALE		7.01	0.54	2.45	2.03 0.27	2.44	0.45	4.82						
DISTANZA PROGRESSIVA	10.00		-2.99 -2.45	0	2.03	2.30	4.74	5.19				10.08		
QUOTA TERRENO ATTUALE	111.60		111.66 111.67	111.67	111.94	112.12	112.00	111.87				112.24		
QUOTA TERRENO PROGETTO	111.60		111.66 112.03	113.50	112.30	112.12	111.10	111.10				112.24		

Sezione 06



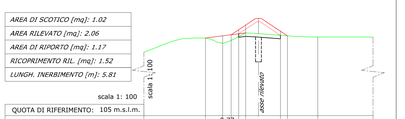
DISTANZA PARZIALE		6.83	0.58	2.59	2.01 0.32	2.24	0.30	5.12						
DISTANZA PROGRESSIVA	-10.00		-3.17 -2.59	0	2.01	2.33	4.77	5.07				10.19		
QUOTA TERRENO ATTUALE	111.46		111.56 111.57	111.58	111.95	112.09	111.52	111.56				112.21		
QUOTA TERRENO PROGETTO	111.46		111.56 111.93	113.50	112.31	112.09	111.00	111.00				112.21		

Sezione 07



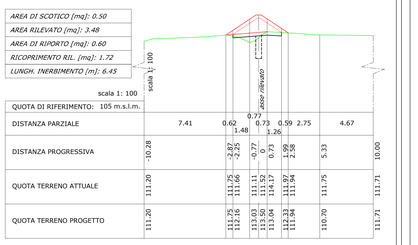
DISTANZA PARZIALE		7.11	0.54	2.34	1.64 0.31	3.09	0.20	4.77						
DISTANZA PROGRESSIVA	-10.00		-2.88 -2.34	0	1.64	1.95	5.04 5.24					10.00		
QUOTA TERRENO ATTUALE	111.66		111.73 111.73	111.68	112.20	112.36	111.61 112.58					111.93		
QUOTA TERRENO PROGETTO	111.66		111.73 112.09	113.50	112.36	112.36	110.90 110.90					111.93		

Sezione 08



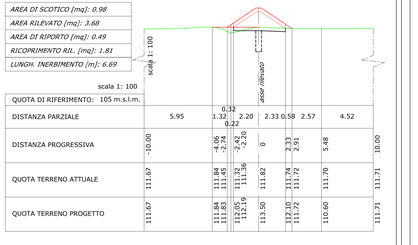
DISTANZA PARZIALE		5.38	1.50	0.77 0.62	1.21 0.60	1.92 0.61	2.66	4.82						
DISTANZA PROGRESSIVA	-10.08		-4.70	-3.20 -2.43	-1.21 -1.21	0	1.92 2.53	5.19				10.00		
QUOTA TERRENO ATTUALE	110.54		111.79	111.31 111.59	112.22 112.22	112.16	113.02 111.97	111.87				111.86		
QUOTA TERRENO PROGETTO	110.54		111.79	111.97 112.20	112.91 112.91	113.50	112.38 111.97	110.80				111.86		

Sezione 09



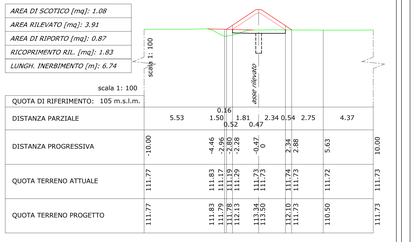
DISTANZA PARZIALE		7.41	0.62 1.48	0.73 0.27	0.59 1.26	2.75	4.67							
DISTANZA PROGRESSIVA	-10.28		-2.87 -2.25	-0.77 0.50	0.73	1.99 2.58	5.33					10.00		
QUOTA TERRENO ATTUALE	111.20		111.75 111.66	111.11 111.74	114.17	111.97 111.94	111.75					111.71		
QUOTA TERRENO PROGETTO	111.20		111.75 112.16	113.03 113.50	113.04	112.33 111.94	110.70					111.71		

Sezione 10



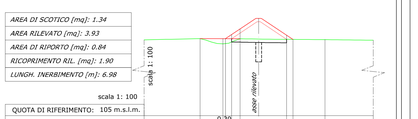
DISTANZA PARZIALE		5.95	1.32 0.22	0.32 2.20	2.33	0.58	2.57	4.52						
DISTANZA PROGRESSIVA	-10.00		-4.06 -2.74	-2.42 -0.20	0	2.33 2.91	5.48					10.00		
QUOTA TERRENO ATTUALE	111.67		111.84 111.45	111.27 111.36	111.82	111.74 111.72	111.70					111.71		
QUOTA TERRENO PROGETTO	111.67		111.84 111.83	112.10 112.19	113.50	112.10 111.72	110.60					111.71		

Sezione 11



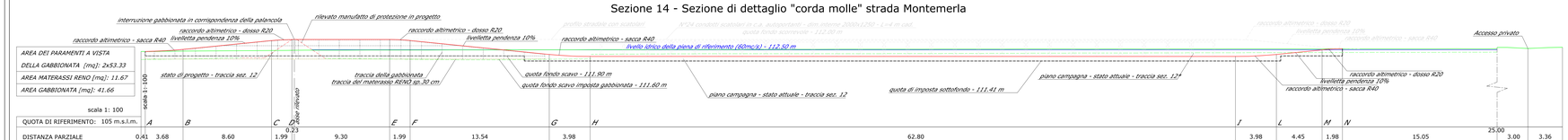
DISTANZA PARZIALE		5.53	1.50 0.52	0.16 1.81 0.47	2.34	0.54	2.75	4.37						
DISTANZA PROGRESSIVA	-10.00		-4.46 -2.96	-2.65 -0.84	-0.47 0	2.34 2.88	5.63					10.00		
QUOTA TERRENO ATTUALE	111.77		111.83 111.77	111.19 111.29	111.73 111.73	111.74 111.73	111.72					111.73		
QUOTA TERRENO PROGETTO	111.77		111.83 112.17	113.50 112.13	113.34 113.50	112.10 111.73	110.50					111.73		

Sezione 12



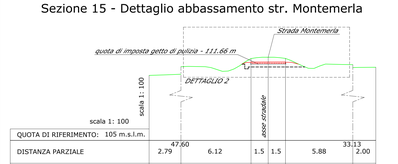
DISTANZA PARZIALE		4.88	2.00 0.50	0.20 1.62	2.44	0.5	2.79	4.22						
DISTANZA PROGRESSIVA	-9.90		-5.02 -3.02	-2.82 -1.20	0.70 0	2.44 2.94	5.73					9.95		
QUOTA TERRENO ATTUALE	111.62		111.73 111.72	111.32 111.54	111.69	111.67 111.66	111.64					111.59		
QUOTA TERRENO PROGETTO	111.62		111.73 111.72	111.73 112.54	113.50	112.03 111.66	110.40					111.59		

Sezione 14 - Sezione di dettaglio "corda molle" strada Montemerla

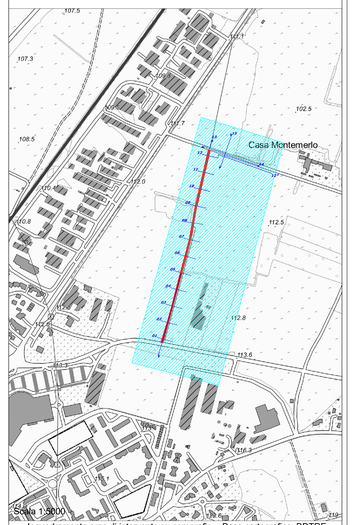


		A	B	C	D	E	F	G	H	I	L	M	N		
DISTANZA PARZIALE	0.41	3.68	8.60	1.99	0.23 9.30	1.99	13.54	3.98	62.80	3.98	4.45	1.98	15.05	25.00 3.00	3.36
DISTANZA PROGRESSIVA	-14.91	-14.50	-10.82	-2.22	-0.23 0	9.30	11.29	24.83	28.81	91.61	95.59	100.04	102.02	117.07 142.07	145.07 148.43
QUOTA TERRENO ATTUALE	112.34	112.34	112.37	112.44	112.45 112.45	112.48	112.48	112.45	112.51	112.59	112.59	112.59	112.59	112.71 112.73	112.63 112.75
QUOTA TERRENO PROGETTO	112.34	112.34	112.54	113.41 113.50	113.50	113.50 113.40		112.05	111.85	111.85	112.05	112.49	112.59	112.71 112.73	112.63 112.75

Sezione 15 - Dettaglio abbassamento str. Montemerla



DISTANZA PARZIALE		47.60 2.79	6.12	1.5	1.5	5.88	33.13							
DISTANZA PROGRESSIVA	-58.01	-55.22	-7.62	-1.50	0	1.50	7.38	40.51	42.51					
QUOTA TERRENO ATTUALE	110.67	110.77	111.44	112.15	112.26	112.15	111.61	111.36	111.38					
QUOTA TERRENO PROGETTO	110.67	110.77	111.44	111.85	111.85	111.85	111.61	111.36	111.38					



Inquadramento area di intervento su corografia - Base cartografica: BDTRE Piemonte raster edizione 2019

SEZ.	VOLUME PROGRESSIVO SCOTICO	VOLUME PROGRESSIVO RIPORTO	VOLUME PROGRESSIVO RILEVATO	VOLUME PROGRESSIVO RICOPRIMENTO	AREA CUMULATA INERBIMENTO
	[mc]	[mc]	[mc]	[mc]	[mq]
1	10.50	0.00	13.17	14.67	86.00
2	50.20	0.00	81.49	68.12	290.00
3	98.95	0.00	115.99	131.87	527.00
4	151.89	0.00	228.86	201.30	782.75
5	214.31	0.00	292.52	282.22	1076.00
6	283.31	0.00	498.10	370.47	1394.75
7	349.02	0.00	555.10	454.15	1699.75
8	405.18	19.50	690.67	531.15	1987.75
9	442.42	29.50	748.67	612.10	2294.25
10	478.75	56.70	927.65	700.34	2622.75
11	530.23	71.20	992.81	791.34	2958.50
12	590.62	113.95	1188.81	884.58	3301.50

VOLUMI E AREE DA DISTINTA SCAVI E RIPORTI

Committente:

COMUNE DI TORTONA

Oggetto:

INTERVENTI DIFESA IDROGEOLOGICA TORRENTE GRUE NELL'AREA A MONTE DELL'AREA ARTIGIANALE (CUP progetto J34J18000420002)

PROGETTO ESECUTIVO

Sezioni e dettagli costruttivi

SCALA: 1:25 / 1:150

DATA: Dicembre 2022

Identificazione elaborato	Ambito	Tipologia		Commessa	n° elaborato
IDPE1351-6	ID	P	E	1351	6

Dati Progettisti:

Studio ANSELMO Associati
Via Vittorio Emanuele n°14
10023 CHIERI (TO)
Tel./Fax 011 9415835
e-mail: info@anselmoassociati.it

Dott. Ing. Virgilio Anselmo
Dott. For. Fulvio Anselmo
Collaboratori:
Dott. For. Davide Spada
Dott. Ing. Donato Vittore

Rev.	Redatto	Controllato	Approvato	Data	Timbri e Firme
0	Ing. L. Patrizio	Ing. V. Anselmo	Ing. V. Anselmo	12-2022	

Il Responsabile del procedimento: Ing. Laura Lucotti — Firma:

File :