Consorzio di Bonifica
PIANURA DI FERRARA

CONSORZIO DI BONIFICA PIANURA DI FERRARA

Sede legale e recapito postale:
44121 Ferrara - Via Borgo dei Leoni, 28 - C.F. 93076450381
web: www.bonificaferrara.it - e-mail: info@bonificaferrara.it
pec: posta.certificata@pec.bonificaferrara.it
aderente all'ANBI
Associazione Nazionale Bonifiche, Irrigazioni e Miglioramenti Fondiari

PROGETTO ESPURGHI

PROGETTO ESECUTIVO

Provincia di Ferrara

Ricalibratura della rete di bonifica ai fini del recupero della capacità di invaso e di portata

2° STRALCIO

ELABORATI GRAFICI CANALI

CANALE BULGARELLO

SEZIONI TRASVERSALI DALLA 15F ALLA 31

Data: **03.09.2024**

Elab.: **7.5.6**

IL PROGETTISTA
(Dott. Ing. Laura Montanari)

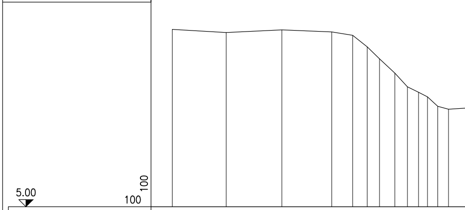
INGEGNERE LAURA MONTANARI
N° 7792 / A

IL RESPONSABILE UNICO DEL PROGETTO
(Dott. Ing. Valeria Chierici)

Valeria Chierici

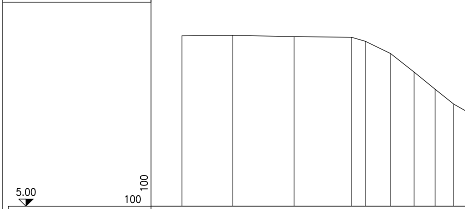
Rev.	Descrizione	Redatto	Data	Codice Intervento
00	Emissione	Mazzanti C.	03.09.2024	OC168

PROFILO CA. BULGARELLO
SEZIONE 15F
PROGRESSIVA 4206



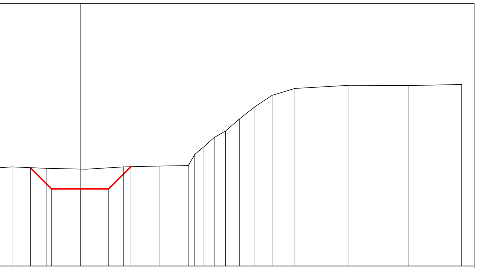
QUOTE TERRENO	11.20	11.09	11.18	11.11	10.99	10.59	10.17	9.67	9.19	9.00	8.84	8.51	8.41
PROGRESSIVE TERRENO	−13.06	−11.17	−9.22	−7.47	−6.74	−6.23	−5.80	−5.26	−4.82	−4.43	−4.12	−3.76	−3.38
QUOTE PROGETTO													
PROGRESSIVE PROGETTO													

PROFILO CA. BULGARELLO
SEZIONE 16F
PROGRESSIVA 4214



QUOTE TERRENO	10.97	10.99	10.94	10.92	10.78	10.35	9.70	9.10	8.58
PROGRESSIVE TERRENO	−12.72	−10.94	−8.79	−6.78	−6.30	−5.41	−4.59	−3.85	−3.20
QUOTE PROGETTO									
PROGRESSIVE PROGETTO									

Esecuzione e restituzione grafica rilievo: ASTOLFI N.

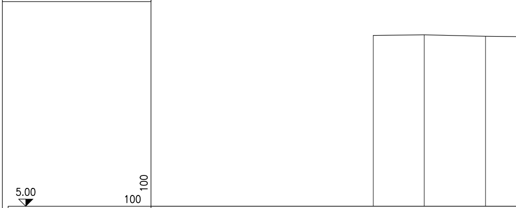


8.47	8.42	8.39	8.47	8.50	8.52	8.91	9.18	9.50	9.73	10.15	10.58	10.98	11.22	11.33	11.32	11.36
−2.39	−1.17	0.20	1.52	2.76	3.78	4.01	4.33	4.69	5.09	5.57	6.12	6.72	7.52	9.41	11.51	13.36
8.44	7.70	7.70	7.70	8.48												
−1.74	−1.00	0.00	1.00	1.78												

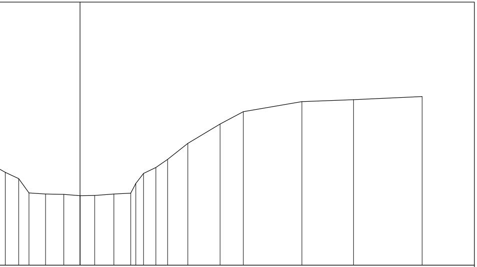
PROFILO CA. BULGARELLO

SEZIONE 16

PROGRESSIVA 4442



QUOTE TERRENO	10.97	10.99	10.94
PROGRESSIVE TERRENO	−12.72	−10.94	−8.79
QUOTE PROGETTO			
PROGRESSIVE PROGETTO			

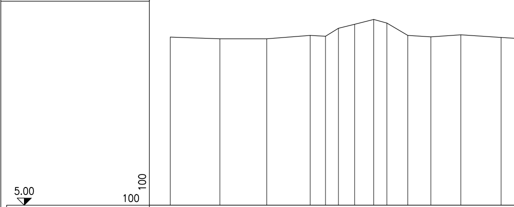


8.25	8.03	7.53	7.49	7.48	7.43	7.44	7.49	7.52	7.86	8.21	8.42	8.70	9.26	9.94	10.37	10.72	10.79	10.90
−2.62	−2.15	−1.79	−1.21	−0.57	0.00	0.51	1.18	1.77	1.95	2.22	2.65	3.06	3.77	4.90	5.71	7.76	9.57	11.97

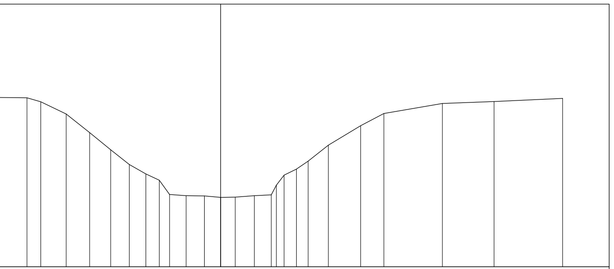
PROFILO CA. BULGARELLO

SEZIONE 17

PROGRESSIVA 4734

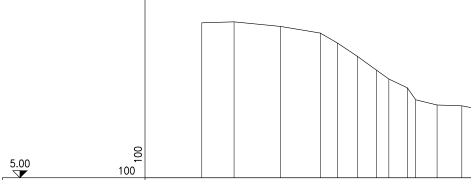


QUOTE TERRENO	10.89	10.83	10.83	10.95	10.92	11.20	11.34	11.51	11.38	10.95	10.90	10.97	10.88
PROGRESSIVE TERRENO	−19.77	−18.03	−16.39	−14.87	−14.33	−13.88	−13.31	−12.64	−12.18	−11.45	−10.64	−9.59	−8.18
QUOTE PROGETTO													
PROGRESSIVE PROGETTO													

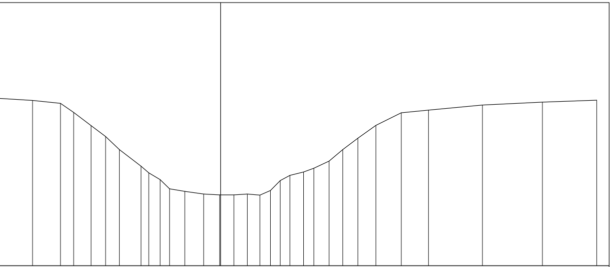


10.92	10.78	10.35	9.70	9.10	8.58	8.25	8.03	7.53	7.49	7.48	7.43	7.44	7.49	7.52	7.86	8.21	8.42	8.70	9.26	9.94	10.37	10.72	10.79	10.90
−6.78	−6.30	−5.41	−4.59	−3.85	−3.20	−2.62	−2.15	−1.79	−1.21	−0.57	0.00	0.51	1.18	1.77	1.95	2.22	2.65	3.06	3.77	4.90	5.71	7.76	9.57	11.97

PROFILO CA. BULGARELLO
SEZIONE 18
PROGRESSIVA 5026

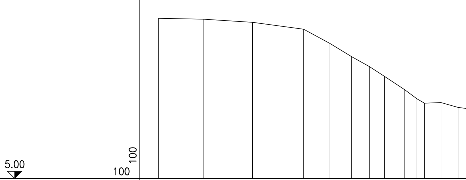


QUOTE TERRENO	10.43	10.46	10.30	10.07	9.72	9.25	8.77	8.46	8.15	7.73	7.55	7.52
PROGRESSIVE TERRENO	−9.51	−8.38	−6.75	−5.36	−4.76	−4.06	−3.39	−2.96	−2.31	−2.02	−1.27	−0.40
QUOTE PROGETTO												
PROGRESSIVE PROGETTO												

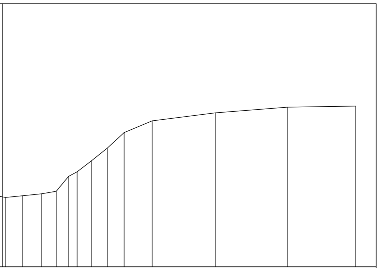


10.78	10.68	10.36	9.90	9.52	9.06	8.48	8.25	8.01	7.69	7.60	7.51	7.48	7.48	7.51	7.47	7.63	7.98	8.16	8.28	8.41	8.66	9.06	9.46	9.91	10.35	10.44	10.62	10.72	10.79
−6.59	−5.61	−5.15	−4.54	−4.03	−3.55	−2.79	−2.52	−2.12	−1.79	−1.26	−0.60	−0.04	0.46	0.93	1.37	1.74	2.08	2.42	2.90	3.26	3.79	4.27	4.80	5.43	6.32	7.27	9.16	11.26	13.16

PROFILO CA. BULGARELLO
SEZIONE 19
PROGRESSIVA 5334



QUOTE TERRENO	10.61	10.58	10.47	10.23	9.73	9.27	8.92	8.58	8.11	7.79	7.64	7.66	7.49
PROGRESSIVE TERRENO	−10.84	−9.28	−7.55	−5.76	−4.84	−4.08	−3.46	−2.93	−2.22	−1.79	−1.53	−0.95	−0.35
QUOTE PROGETTO													
PROGRESSIVE PROGETTO													

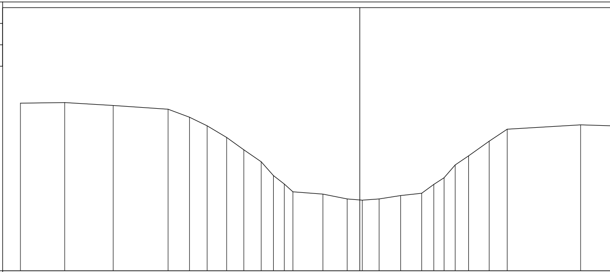


7.42	7.48	7.55	7.64	8.16	8.32	8.71	9.15	9.69	10.10	10.38	10.58	10.62
0.11	0.71	1.37	1.89	2.32	2.62	3.13	3.68	4.27	5.25	7.46	9.99	12.38

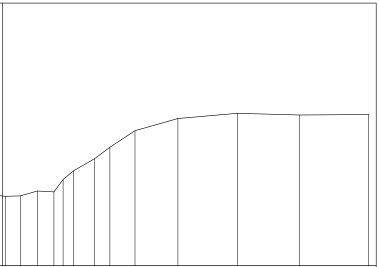
PROFILO CA. BULGARELLO

SEZIONE 20

PROGRESSIVA 5630



QUOTE TERRENO	10.86	10.88	10.78	10.65	10.37	10.07	9.66	9.23	8.81	8.33	8.03	7.76	7.68	7.51	7.47	7.51	7.63	7.71	8.02	8.25	8.70	9.02	9.53	9.95	10.10
PROGRESSIVE TERRENO	−11.88	−10.33	−8.63	−6.71	−5.96	−5.34	−4.66	−4.06	−3.45	−3.02	−2.64	−2.34	−1.29	−0.44	0.09	0.68	1.43	2.17	2.59	2.95	3.34	3.81	4.53	5.16	7.73
QUOTE PROGETTO																									
PROGRESSIVE PROGETTO																									

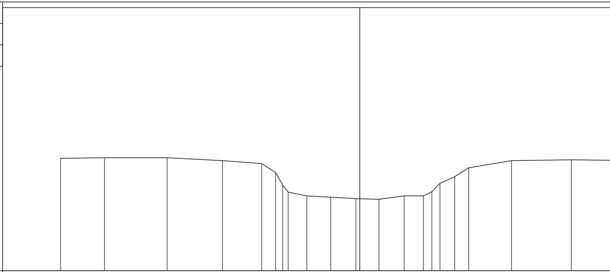


7.43	7.45	7.62	7.59	8.02	8.33	8.75	9.15	9.73	10.16	10.34	10.28	10.30
0.10	0.63	1.23	1.81	2.13	2.50	3.23	3.77	4.65	6.15	8.24	10.42	12.83

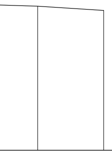
PROFILO CA. BULGARELLO

SEZIONE 21

PROGRESSIVA 5934



QUOTE TERRENO	8.93	8.95	8.95	8.85	8.75	8.43	7.99	7.75	7.62	7.57	7.52	7.50	7.62	7.62	7.76	8.06	8.29	8.60	8.85	8.88
PROGRESSIVE TERRENO	−10.47	−8.93	−6.74	−4.80	−3.43	−2.94	−2.69	−2.50	−1.85	−1.01	−0.13	0.68	1.56	2.23	2.53	2.81	3.33	3.82	5.32	7.41
QUOTE PROGETTO																				
PROGRESSIVE PROGETTO																				

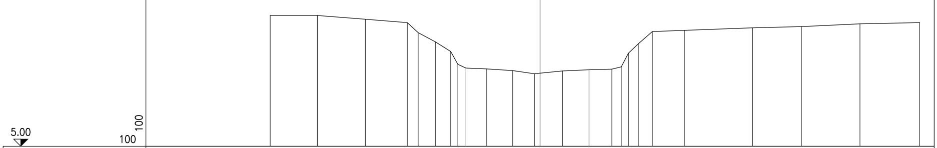


10.03	9.88
10.08	12.39

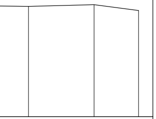
PROFILO CA. BULGARELLO

SEZIONE 22

PROGRESSIVA 6230



QUOTE TERRENO	9.58	9.58	9.45	9.33	8.98	8.66	8.32	7.87	7.74	7.71	7.65	7.54	7.64	7.68	7.70	7.78	8.26	8.59	9.02	9.06	9.15	9.19	9.29	9.33
PROGRESSIVE TERRENO	−9.45	−7.80	−6.12	−4.65	−4.27	−3.67	−3.13	−2.88	−2.60	−1.87	−0.96	−0.20	0.78	1.71	2.51	2.84	3.09	3.44	3.93	5.05	7.44	9.15	11.20	13.29
QUOTE PROGETTO																								
PROGRESSIVE PROGETTO																								

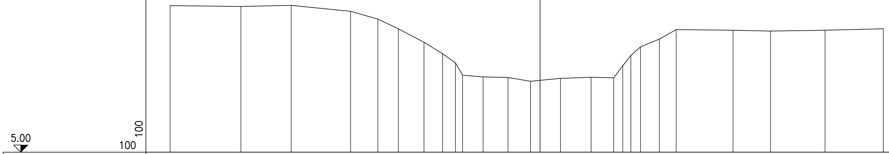


8.85	8.91	8.71
9.76	12.05	13.60

PROFILO CA. BULGARELLO

SEZIONE 23

PROGRESSIVA 6552

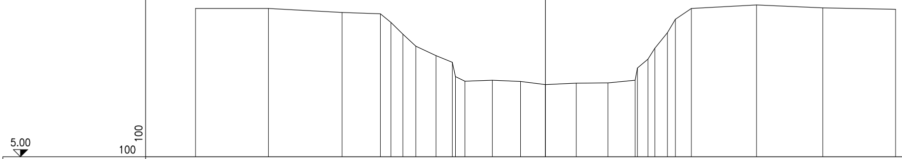


QUOTE TERRENO	10.12	10.09	10.13	9.92	9.65	9.31	8.84	8.44	8.12	7.69	7.63	7.61	7.48	7.58	7.62	7.60	8.02	8.38	8.68	8.95	9.28	9.26	9.23	9.26	9.31
PROGRESSIVE TERRENO	−12.95	−10.47	−8.71	−6.63	−5.68	−4.96	−4.06	−3.41	−2.96	−2.71	−1.99	−1.12	−0.33	0.72	1.79	2.58	2.90	3.18	3.52	4.18	4.77	6.76	8.07	9.98	12.02
QUOTE PROGETTO																									
PROGRESSIVE PROGETTO																									

PROFILO CA. BULGARELLO

SEZIONE 24

PROGRESSIVA 6821

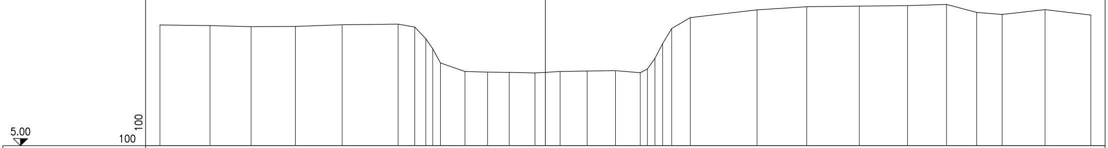


QUOTE TERRENO	10.18	10.18	10.04	9.99	9.69	9.28	8.86	8.53	8.30	7.80	7.64	7.67	7.63	7.52	7.57	7.58	7.67	8.10	8.41	8.79	9.33	9.80	10.18	10.30	10.20	10.15
PROGRESSIVE TERRENO	-12.25	-9.70	-7.12	-5.78	-5.41	-4.99	-4.54	-3.83	-3.26	-3.15	-2.82	-1.86	-0.87	0.00	1.08	2.19	3.14	3.22	3.59	3.83	4.27	4.55	5.11	7.39	9.71	12.26
QUOTE PROGETTO																										
PROGRESSIVE PROGETTO																										

PROFILO CA. BULGARELLO

SEZIONE 25

PROGRESSIVA 7124

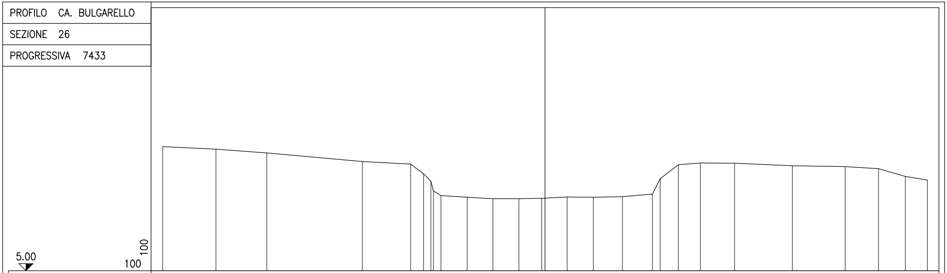


QUOTE TERRENO	9.23	9.21	9.17	9.18	9.24	9.26	9.16	8.75	8.40	7.90	7.60	7.58	7.57	7.55	7.60	7.62	7.63	7.56	7.69	8.06	8.58	9.11	9.49	9.76	9.87	9.89	9.91	9.95	9.67	9.60	9.77	9.58
PROGRESSIVE TERRENO	-13.50	-11.75	-10.31	-8.76	-7.12	-5.16	-4.58	-4.19	-3.95	-3.68	-2.82	-2.03	-1.27	-0.37	0.51	1.46	2.45	3.32	3.57	3.83	4.10	4.42	5.07	7.41	9.15	10.99	12.68	14.04	15.10	15.99	17.49	19.10
QUOTE PROGETTO																																
PROGRESSIVE PROGETTO																																

PROFILO CA. BULGARELLO

SEZIONE 26

PROGRESSIVA 7433

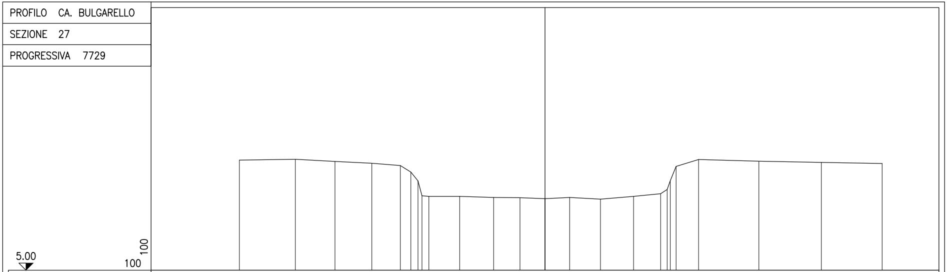


QUOTE TERRENO	9.34	9.25	9.12	8.82	8.73	8.39	8.13	7.79	7.63	7.57	7.52	7.52	7.53	7.58	7.57	7.59	7.68	8.22	8.71	8.77	8.76	8.67	8.64	8.57	8.30	8.17
PROGRESSIVE TERRENO	−13.39	−11.53	−9.75	−6.39	−4.70	−4.25	−4.00	−3.91	−3.64	−2.73	−1.82	−0.92	−0.12	0.77	1.69	2.71	3.76	4.03	4.68	5.44	6.64	8.66	10.52	11.69	12.63	13.39
QUOTE PROGETTO																										
PROGRESSIVE PROGETTO																										

PROFILO CA. BULGARELLO

SEZIONE 27

PROGRESSIVA 7729

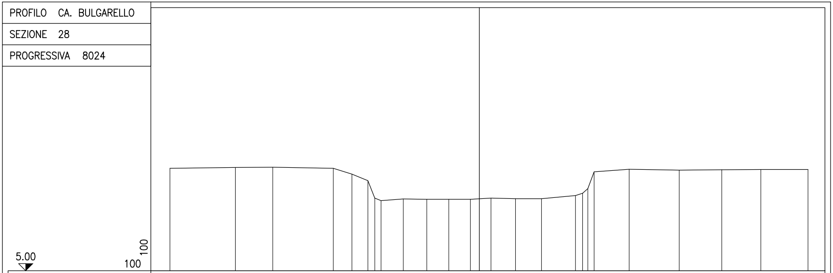


QUOTE TERRENO	8.86	8.89	8.81	8.75	8.67	8.44	8.13	7.61	7.59	7.59	7.55	7.54	7.51	7.55	7.49	7.59	7.68	7.83	8.14	8.64	8.88	8.82	8.78	8.74
PROGRESSIVE TERRENO	−10.71	−8.75	−7.36	−6.07	−5.07	−4.70	−4.45	−4.31	−4.07	−2.99	−1.80	−0.88	0.00	0.86	1.94	3.10	4.05	4.28	4.39	4.59	5.38	7.49	9.68	11.81
QUOTE PROGETTO																								
PROGRESSIVE PROGETTO																								

PROFILO CA. BULGARELLO

SEZIONE 28

PROGRESSIVA 8024



QUOTE TERRENO	8.58	8.61	8.62	8.58	8.38	8.15	7.54	7.45	7.51	7.50	7.50	7.50	7.54	7.52	7.52	7.63	7.71	7.87	8.46	8.55	8.52	8.53	8.54	8.54
PROGRESSIVE TERRENO	−10.83	−8.54	−7.23	−5.11	−4.46	−3.90	−3.66	−3.44	−2.66	−1.84	−1.07	−0.31	0.41	1.27	2.18	3.37	3.62	3.80	4.02	5.25	7.00	8.49	9.86	11.51
QUOTE PROGETTO																								
PROGRESSIVE PROGETTO																								

PROFILO CA. BULGARELLO

SEZIONE 29F

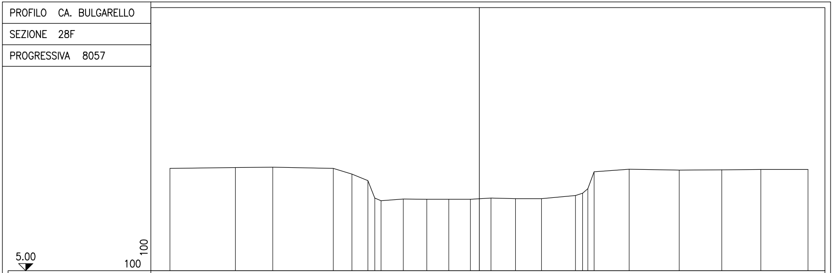
PROGRESSIVA 8075

QUOTE TERRENO	
PROGRESSIVE TERRENO	
QUOTE PROGETTO	
PROGRESSIVE PROGETTO	

PROFILO CA. BULGARELLO

SEZIONE 28F

PROGRESSIVA 8057



QUOTE TERRENO	8.58	8.61	8.62	8.58	8.38	8.15	7.54	7.45	7.51	7.50	7.50	7.50	7.54	7.52	7.52	7.63	7.71	7.87	8.46	8.55	8.52	8.53	8.54	8.54
PROGRESSIVE TERRENO	−10.83	−8.54	−7.23	−5.11	−4.46	−3.90	−3.66	−3.44	−2.66	−1.84	−1.07	−0.31	0.41	1.27	2.18	3.37	3.62	3.80	4.02	5.25	7.00	8.49	9.86	11.51
QUOTE PROGETTO																								
PROGRESSIVE PROGETTO																								

PROFILO CA. BULGARELLO

SEZIONE 29

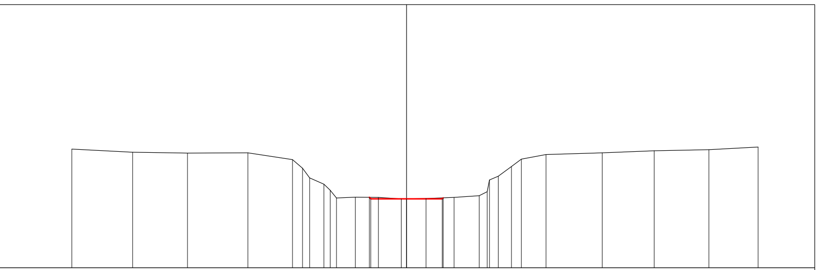
PROGRESSIVA 8329

QUOTE TERRENO	
PROGRESSIVE TERRENO	
QUOTE PROGETTO	
PROGRESSIVE PROGETTO	

PROFILO CA. BULGARELLO

SEZIONE 30

PROGRESSIVA 8624



5.00

100

100

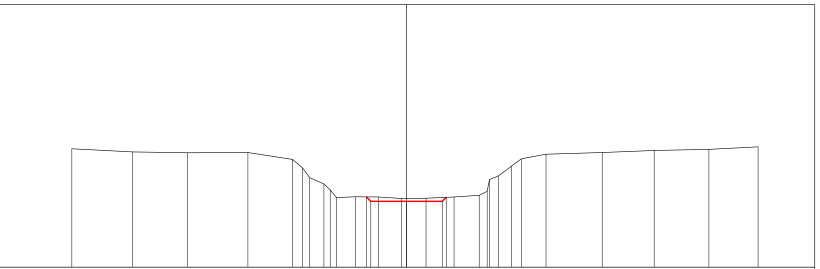
QUOTE TERRENO	PROGRESSIVE TERRENO
9.15	-11.73
9.04	-9.60
9.01	-7.68
9.02	-5.56
8.78	-4.00
8.48	-3.64
8.14	-3.39
7.92	-2.89
7.71	-2.68
7.44	-2.46
7.47	-1.80
7.46	-0.99
7.41	-0.19
7.42	0.68
7.46	1.66
7.52	2.54
7.66	2.82
8.07	2.90
8.20	3.22
8.54	3.67
8.80	4.02
8.96	4.88
9.02	6.86
9.09	8.67
9.13	10.60
9.22	12.31

QUOTE PROGETTO	PROGRESSIVE PROGETTO
7.46	-1.30
7.41	-1.25
7.41	0.00
7.41	1.25
7.44	1.28

PROFILO CA. BULGARELLO

SEZIONE 31

PROGRESSIVA 8933



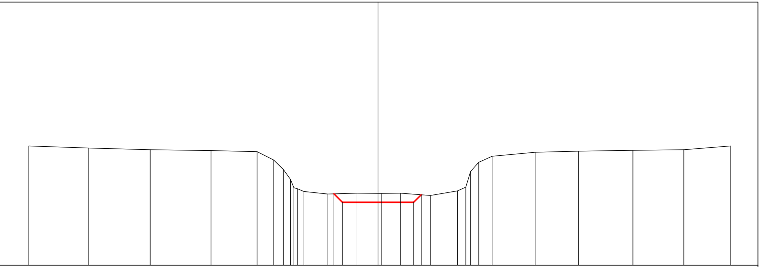
5.00

100

100

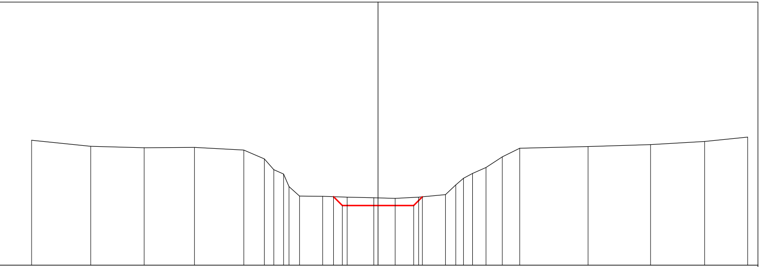
QUOTE TERRENO	PROGRESSIVE TERRENO
9.15	-11.73
9.04	-9.60
9.01	-7.68
9.02	-5.56
8.78	-4.00
8.48	-3.64
8.14	-3.39
7.92	-2.89
7.71	-2.68
7.44	-2.46
7.47	-1.80
7.46	-0.99
7.41	-0.19
7.42	0.68
7.46	1.66
7.52	2.54
7.66	2.82
8.07	2.90
8.20	3.22
8.54	3.67
8.80	4.02
8.96	4.88
9.02	6.86
9.09	8.67
9.13	10.60
9.22	12.31

QUOTE PROGETTO	PROGRESSIVE PROGETTO
7.47	-1.41
7.31	-1.25
7.31	0.00
7.31	1.25
7.45	1.39



9.17	9.10	9.04	9.01	8.97	8.68	8.35	8.00	7.71	7.67	7.58	7.49	7.52	7.51	7.52	7.44	7.60	7.73	8.28	8.60	8.81	8.95	8.99	9.02	9.04	9.17
−12.23	−10.14	−7.98	−5.85	−4.24	−3.66	−3.32	−3.07	−2.95	−2.82	−2.60	−1.76	−0.74	0.11	0.78	1.83	2.78	3.07	3.24	3.52	3.99	5.50	7.02	8.92	10.70	12.34

7.50	7.20	7.20	7.20	7.46
−1.55	−1.25	0.00	1.25	1.51



9.37	9.16	9.11	9.12	9.03	8.72	8.34	8.19	7.75	7.42	7.41	7.38	7.36	7.34	7.38	7.47	7.81	8.04	8.21	8.42	8.79	9.09	9.15	9.22	9.33	9.48
−12.13	−10.06	−8.19	−6.43	−4.70	−3.98	−3.65	−3.31	−3.12	−2.75	−1.94	−1.08	−0.15	0.60	1.42	2.36	2.72	2.99	3.31	3.78	4.35	4.96	7.35	9.54	11.43	12.94

7.40	7.09	7.09	7.09	7.39
−1.56	−1.25	0.00	1.25	1.55