CONSORZIO DI BONIFICA
TERRE D'APULIA

LAVORI DI RISTRUTTURAZIONE E POTENZIAMENTO DELL'ACQUEDOTTO RURALE DELLA MURGIA

- SCHEMA SUD -

PROGETTO ESECUTIVO

Progettista:

ARKE' Ingegneria s.r.l.
Via Imperatore Traiano n.4 - 70126 Bari

Prof. Ing. Alberto Ferruccio PICCINNI
Ordine degli Ingegneri della Provincia di Bari n.7288

Dott. Ing. Giovanni VITONE
Ordine degli Ingegneri della Provincia di Bari n.3313

Dott. Ing. Gioacchino ANGARANO
Ordine degli Ingegneri della Provincia di Bari n.5970

Dott. Ing. Luigi FANELLI
Ordine degli Ingegneri della Provincia di Bari n.7428

Dott. Ing. Stefano FRANCAVILLA
Ordine degli Ingegneri della Provincia di Bari n.4927

Responsabile del Procedimento:

Dott. Ing. Marta BARILE

Codice

B02.3.1

Elaborato

Premente - Profilo longitudinale - parte 1

REV	DATA	NOTE
4	GIUGNO - 2022	Emesso per Riscontro Verifica
3	GENNAIO - 2022	Emesso per PUA
0	MAGGIO - 2019	Emesso per Progetto Esecutivo

SCALA 1:2.000 / 1:200

010- ARM - PRLO	Dwg
COD.ELABORATO	

Elementi delle livellette (%)

Quota piezometrica

Diametro collettore (mm)

Materiale

Sede di posa

Legenda

—	Linea terreno
═	Condotta di progetto
SC	Scarico
SF	Sfiato
BA1	Blocchi Ancoraggio Tipo 1
BA2	Blocchi Ancoraggio Tipo 2
BA3	Blocchi Ancoraggio Tipo 3

1/ 200.

1/ 2000.

150.00

Numero delle sezioni

Quote del terreno

Q.ta asse condotta

Quota fondo scavo

Profondità di scavo

Distanze parziali

Distanze progressive

Distanze ettometriche

I=4.27			I=6.17	I=3.42	I=2.36	I=9.45	I=3.69	I=3.78	I=10.81	I=10.91	I=12.37	I=10.22	I=16.11	I=6.97	I=5.85		I=1.07	I=2.40	I=0.08

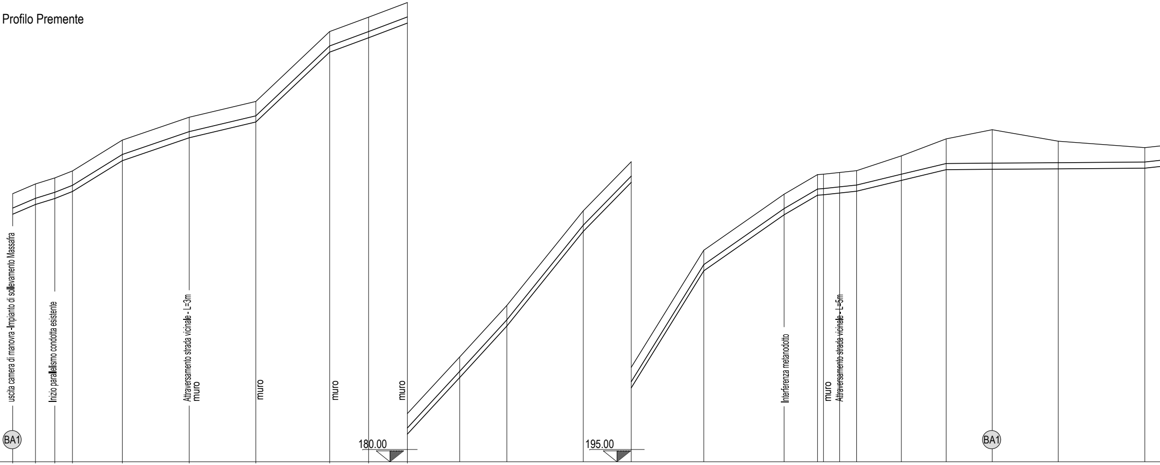
556.11	556.08	556.06	556.04	555.98	555.90	555.83	555.73	555.69	555.64	555.58	555.52	555.43	555.38	555.29	555.20	555.16 555.15	555.11	555.06	555.00	554.95	554.87	554.77

450

ghisa sferoidale

Sede propria (espianto e trapianto di n.100 piante arbustive)

Profilo Premente



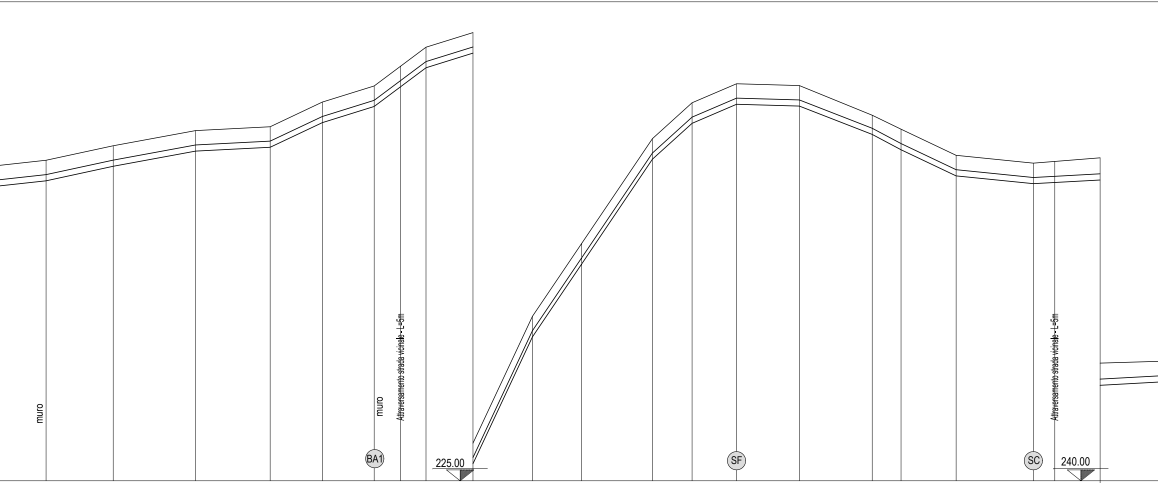
uscita camera di manovra -Impianto di sollevamento Massafra
Inizio parallelismo condotta esistente
Attraversamento strada vicinale - L=3m
muro
muro
muro
muro
180.00
195.00
Interferenza metanodotto
muro
Attraversamento strada vicinale - L=5m
BA1
BA1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
169.57	170.28	170.72	171.23	173.48	175.15	176.30	181.40	182.45	183.52	187.65	191.41	198.32	201.90	210.44	214.53	215.96	215.99	216.25	217.33	218.57	219.24	218.40	217.93
168.12	168.83	169.27	169.78	172.03	173.70	174.85	179.95	181.00	182.07	186.20	189.96	196.87	200.45	208.99	213.08	214.51	214.54	214.80	215.59	216.37	216.40	216.43	216.48
167.87	168.58	169.02	169.53	171.78	173.45	174.60	179.70	180.75	181.82	185.95	189.71	196.62	200.20	208.74	212.83	214.26	214.29	214.55	215.34	216.12	216.15	216.18	216.23
1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.99	2.45	3.09	2.22	1.70

16.64	14.15	12.87	36.46	48.84	48.66	53.95	28.45	28.32	38.21	34.47	55.86	35.04	53.02	58.64	24.44	4.38	24.19	32.70	32.70	33.67	48.22	63.28

0.00	16.64	30.79	43.66	80.12	128.96	177.62	231.57	260.02	288.34	326.55	361.02	416.88	451.92	504.94	563.58	588.02	592.40	616.59	649.29	681.99	715.66	763.88	827.16

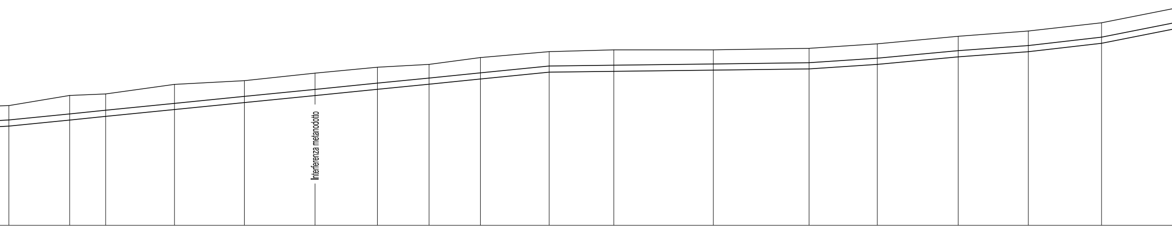
0 1 2 3 4 5 6 7 8


muro
muro
Attraversamento strada vicinale - L=5m
BA1
225.00
SF
SC
Attraversamento strada vicinale - L=5m
240.00

I=1.09							44.75	
I=2.16	554.70	25	218.42	216.97	216.72	1.70	49.05	871.91
I=1.84	554.62	26	219.48	218.03	217.78	1.70	60.29	920.96
I=0.51	554.52	27	220.59	219.14	218.89	1.70	54.43	981.25
I=4.72	554.43	28	220.87	219.42	219.17	1.70	38.14	1035.68
I=3.11	554.37	29	222.67	221.22	220.97	1.70	37.89	1073.82
I=7.47	554.31	30	223.85	222.40	222.15	1.70	37.89	1111.71
I=3.12	554.25	31	226.68	225.23	224.98	1.70	34.34	1149.60
I=21.31	554.19	32	227.75	226.30	226.05	1.70	43.50	1183.94
I=14.81	554.12	33	237.02	235.57	235.32	1.70	35.99	1227.44
I=14.80	554.06	34	242.35	240.90	240.65	1.70	51.70	1263.43
I=9.04	553.98	35	250.00	248.55	248.30	1.70	28.97	1315.13
I=4.27	553.93	36	252.62	251.17	250.92	1.70	32.52	1344.10
I=0.28	553.88	37	254.01	252.56	252.31	1.70	45.89	1376.62
I=3.89	553.80	38	253.88	252.43	252.18	1.70	53.26	1422.51
I=5.32	553.72	39	251.71	250.36	250.11	1.60	21.05	1475.77
I=4.74	553.68	40	250.69	249.24	248.99	1.70	40.29	1496.82
I=1.01	553.62	41	248.78	247.33	247.08	1.70	56.47	1537.11
I=0.55	553.53	42	248.21	246.76	246.51	1.70	48.73	1593.58
	553.45	43	248.60	247.03	246.78	1.82	48.82	1642.31

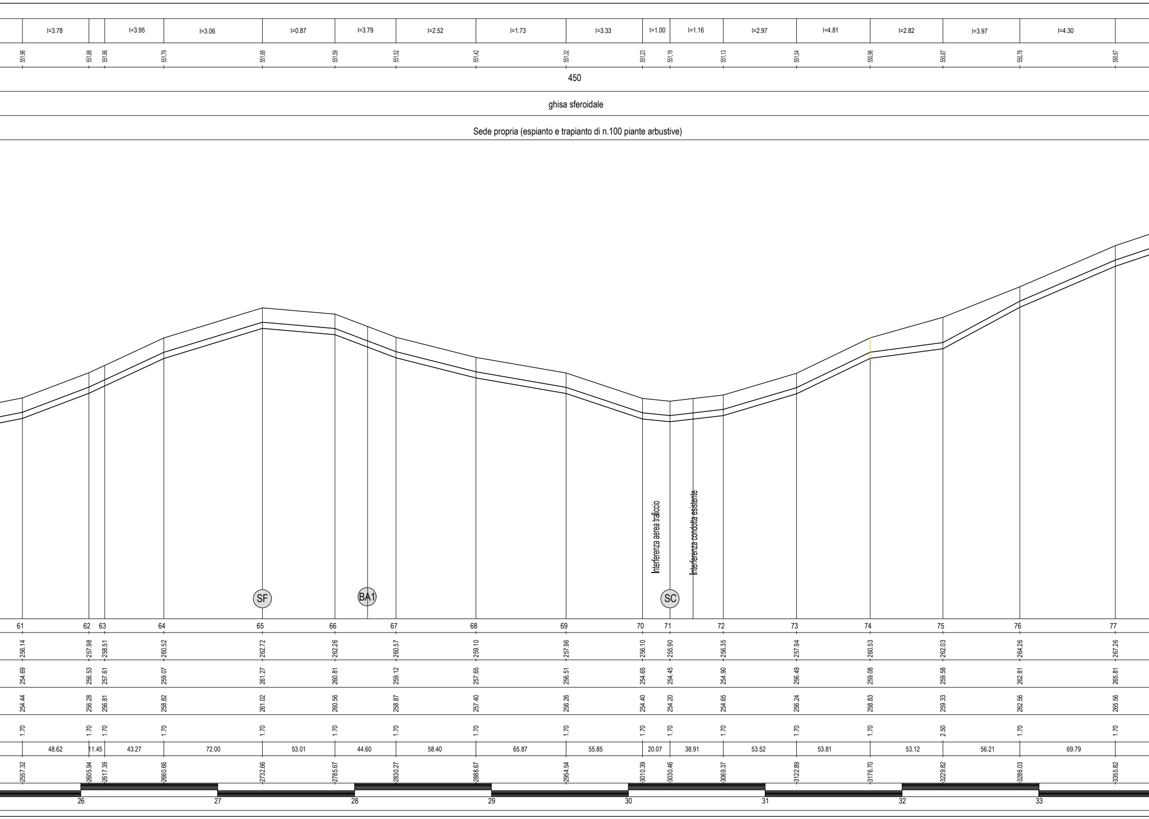
9 10 11 12 13 14 15 16

I=1.00									I=0.13			I=0.66	I=0.93	I=0.73	I=1.15	I=1.97
553.37	553.29	553.25	553.17	553.09	553.00	552.93	552.87	552.81	552.53	552.65	552.53	552.42	552.34	552.24	552.16	552.07

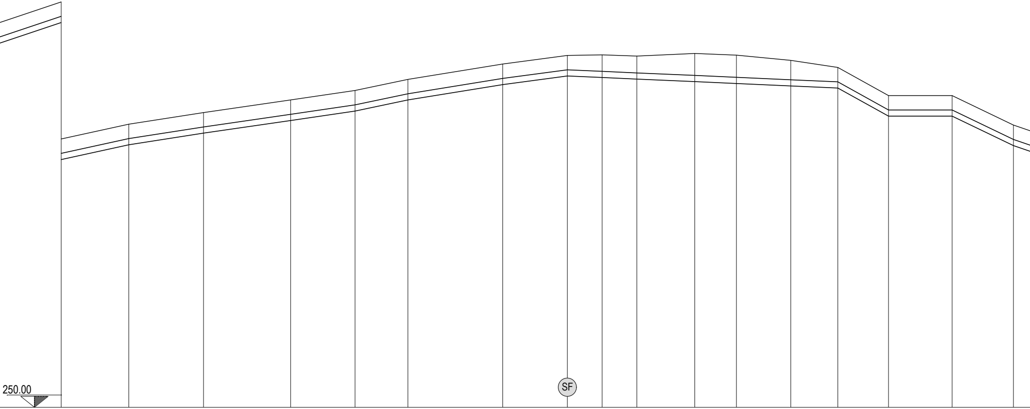

Interferenza metanodotto

44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
248.75	249.49	249.60	250.30	250.57	251.12	251.55	251.76	252.26	252.69	252.82	252.82	252.93	253.26	253.81	254.20	254.80
247.30	247.74	248.01	248.51	249.02	249.53	249.99	250.36	250.74	251.24	251.30	251.39	251.48	251.81	252.36	252.74	253.35
247.05	247.49	247.76	248.26	248.77	249.28	249.74	250.11	250.49	250.99	251.05	251.14	251.23	251.56	252.11	252.49	253.10
1.70	2.00	1.84	2.04	1.80	1.84	1.81	1.65	1.77	1.70	1.77	1.68	1.70	1.70	1.70	1.71	1.70
44.44	26.27	50.27	51.08	51.62	45.56	37.76	37.52	50.25	47.20	72.72	69.96	49.87	59.06	51.25	53.51	67.85
1691.13	1735.57	1761.84	1812.11	1863.19	1914.81	1960.37	1998.13	2035.65	2085.90	2133.10	2205.82	2275.78	2325.65	2384.71	2435.96	2489.47

17 18 19 20 21 22 23 24 25


I=3.78
I=3.95
I=3.06
I=0.87
I=3.79
I=2.52
I=1.73
I=3.33
I=1.00
I=1.16
I=2.97
I=4.81
I=2.82
I=3.97
I=4.30
551.96
551.88
551.86
551.79
551.68
551.59
551.52
551.42
551.32
551.23
551.19
551.13
551.04
550.96
550.87
550.78
550.67
450
ghisa sferoidale
Sede propria (espianto e trapianto di n.100 piante arbustive)
Interferenza aerea traliccio
Interferenza condotta esistente
SF
BA1
SC
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
256.14
257.98
258.51
260.52
262.72
262.26
260.57
259.10
257.96
256.10
255.90
256.35
257.94
260.53
262.03
264.26
267.26
254.69
256.53
257.61
259.07
261.27
260.81
259.12
257.65
256.51
254.65
254.45
254.90
256.49
259.08
259.58
262.81
265.81
254.44
256.28
256.81
258.82
261.02
260.56
258.87
257.40
256.26
254.40
254.20
254.65
256.24
258.83
259.33
262.56
265.56
1.70
1.70
1.70
1.70
1.70
1.70
1.70
1.70
1.70
1.70
1.70
1.70
1.70
1.70
2.50
1.70
1.70
48.62
11.45
43.27
72.00
53.01
44.60
58.40
65.87
55.85
20.07
38.91
53.52
53.81
53.12
56.21
69.79
2557.32
2605.94
2617.39
2660.66
2732.66
2785.67
2830.27
2888.67
2954.54
3010.39
3030.46
3069.37
3122.89
3176.70
3229.82
3286.03
3355.82
26
27
28
29
30
31
32
33

I=3.35	I=2.18	I=1.56	I=1.45	I=1.47	I=2.10	I=1.62	I=1.33	I=0.44	I=5.53	I=0.00	I=4.80



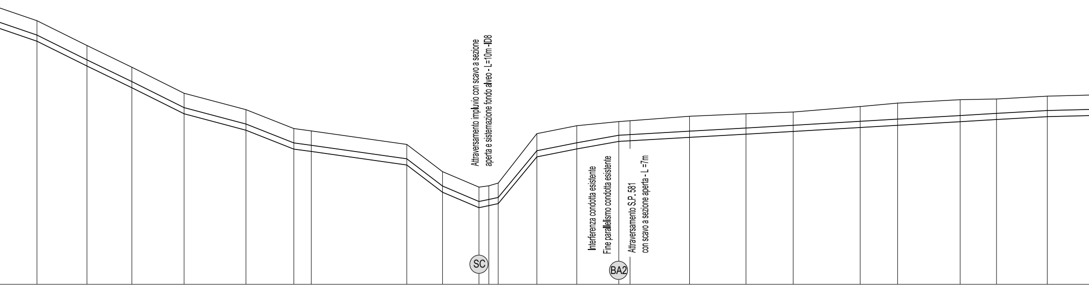
78	550.55	269.58	268.13	267.88	1.70	3425.13
79	550.47	270.66	269.21	268.96	1.70	3474.56
80	550.39	271.51	270.06	269.81	1.70	3529.19
81	550.28	272.43	270.98	270.73	1.70	3592.84
82	550.21	273.12	271.67	271.42	1.70	3639.92
83	550.14	273.93	272.48	272.23	1.70	3678.56
84	550.03	275.05	273.60	273.35	1.70	3747.87
85	549.95	275.68	274.23	273.98	1.70	3795.11
86	549.91	275.72	274.12	273.87	1.85	3820.51
87	549.87	275.63	274.00	273.75	1.88	3845.91
88	549.80	275.82	273.82	273.57	2.25	3888.23
89	549.75	275.70	273.68	273.43	2.27	3918.69
90	549.69	275.32	273.50	273.25	2.07	3958.42
91	549.63	274.80	273.35	273.10	1.70	3992.79
92	549.57	272.75	271.30	271.05	1.70	4029.86
93	549.50	272.75	271.30	271.05	1.70	4076.33
94	549.43	270.60	269.15	268.90	1.70	4121.14

69.31	49.43	54.63	63.65	47.08	38.64	69.31	47.24	25.40	25.40	42.32	30.46	39.73	34.37	37.07	46.47	44.81

34	35	36	37	38	39	40	41

I=3.43	I=4.95	I=4.85	I=4.99	I=2.65	I=3.94		I=1.42	I=7.62	I=4.24		I=14.85	I=0.58	I=0.25

549.36	549.30	549.25	549.19	450	549.11	549.06	549.04	548.92	548.88	548.84	548.83	548.82	548.77	548.72	548.67	548.59	548.52	548.47	548.39	548.34	548.27	548.22	548.16


Attraversamento impluvio con scavo a sezione
aperta e sistemazione fondo alveo - L=10m -ID8
SC
Interferenza condotta esistente
Fine parallelismo condotta esistente
BA2
Attraversamento S.P. 581
con scavo a sezione aperta - L =7m

95	96	97	98	99	100	101	102	102'	103		105	106	107	108	109	110	111	112	113	114	115	116
269.26	267.45	265.86	263.96	262.76	261.38	261.21	260.22	258.23	257.10	257.20	257.40	261.01	261.59	261.89	262.28	262.46	262.59	262.99	263.24	263.49	263.54	263.75
267.81	266.00	264.41	262.51	261.31	259.93	259.76	258.77	256.78	255.65	255.80	255.95	260.14	260.23	260.49	260.79	261.02	261.22	261.51	261.67	261.93	262.09	262.30
267.56	265.75	264.16	262.26	261.06	259.68	259.51	258.52	256.53	255.40	255.55	255.70	259.31	259.89	260.24	260.54	260.77	260.97	261.26	261.42	261.68	261.84	262.05
1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.65	1.70	1.70	1.70	1.65	1.74	1.69	1.62	1.73	1.82	1.81	1.70	1.70
4160.26	4196.83	4229.63	4267.74	4312.96	4347.96	4360.69	4430.44	4456.56	4483.19	4490.38	4497.25	4525.47	4554.65	4585.34	4637.04	4678.25	4712.75	4761.70	4789.06	4834.74	4861.31	4898.40

39.12	36.57	32.80	38.11	45.22	35.00	12.73	69.75	26.12	26.63	7.19	6.87	28.22	29.18	30.69	51.70	41.21	34.50	48.95	27.36	45.68	26.57	37.09	39.47

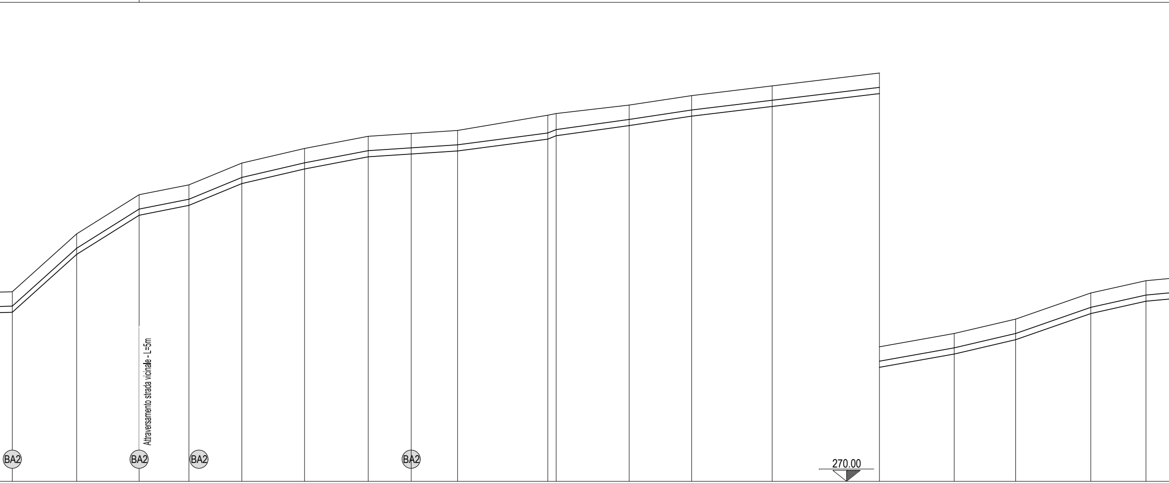
42 43 44 45 46 47 48 49

I=8.99	I=6.27	I=1.98	I=4.13	I=2.33	I=1.91	I=0.65	I=1.31		I=1.39	I=1.51	I=1.21	I=1.20	I=1.78	I=2.34	I=3.48	I=2.23	
548.10	548.02	547.95	547.89	547.83	547.75	547.68	547.57	547.47	547.46	547.37	547.30	547.20	547.07	546.98	546.91	546.82	546.76

450

ghisa sferoidale

Strada vicinale bianca


Attraversamento strada vicinale - L=5m
BA2
BA2
BA2
BA2
270.00

117	263.85	262.40	262.15	1.70	47.03	4937.87
118	268.08	266.63	266.38	1.70	45.61	4984.90
119	270.94	269.49	269.24	1.70	36.42	5030.51
120	271.66	270.21	269.96	1.70	38.63	5066.93
121	273.25	271.80	271.55	1.70	45.83	5105.56
122	274.32	272.87	272.62	1.70	46.53	5151.39
123	275.21	273.76	273.51	1.70	65.26	5197.92
124	275.64	274.19	273.94	1.70	65.94	5263.18
125	276.75 276.87	275.05 275.30	274.80 275.05	1.95 1.82	6.11 53.35	5329.12 5335.23
127	277.49	276.04	275.79	1.70	45.65	5388.58
128	278.18	276.73	276.48	1.70	58.84	5434.23
129	278.89	277.44	277.19	1.70	78.33	5493.07
130	279.83	278.38	278.13	1.70	54.62	5571.40
131	280.80	279.35	279.10	1.70	44.92	5626.02
132	281.85	280.40	280.15	1.70	54.89	5670.94
133	283.76	282.31	282.06	1.70	40.31	5725.83
134	284.66	283.21	282.96	1.70		5766.14

50 51 52 53 54 55 56 57

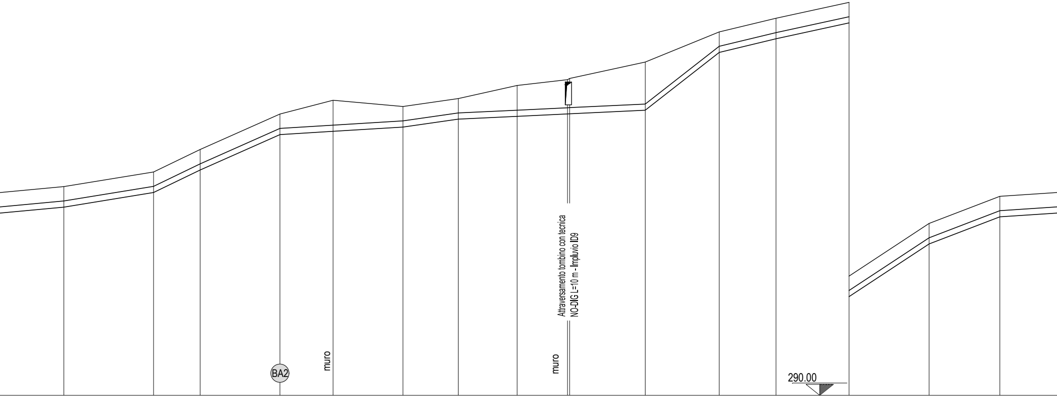
I=0.93	I=1.63	I=4.82	I=4.44	I=0.61	I=1.43	I=0.48		I=7.81	I=2.41	I=2.17	I=6.58	I=3.83	I=0.66

546.65	546.55	546.49	546.40	546.33	546.25	546.19	546.12	546.06 546.05	545.96	545.88	545.81	545.72	545.63	545.54

450

ghisa sferoidale

Sede propria

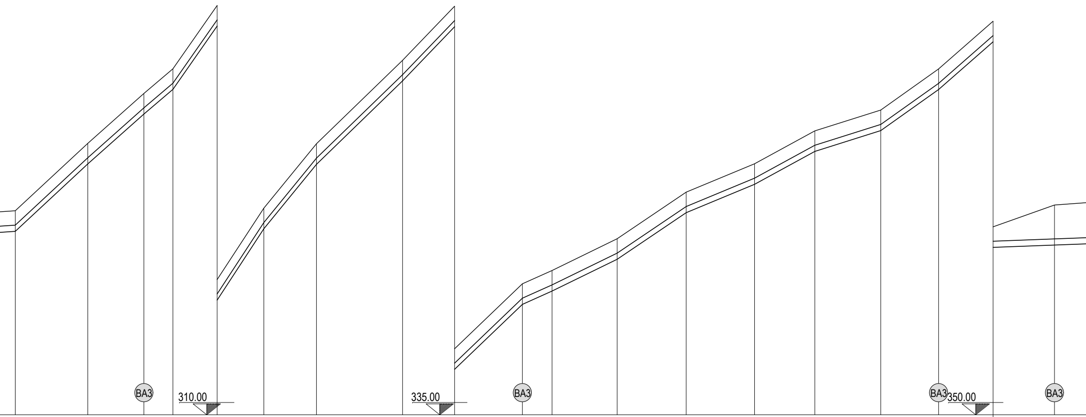

Attraversamento tombino con tecnica
NO-DIG L=10 m - Impluvio ID9
muro
muro
BA2
290.00

135	136	137	139	140	141	142	143	144 145	146	147	148	149	150	151
285.25	286.32	287.96	290.55	291.56	291.10	291.68	292.64	293.06 293.15	294.35	296.55	297.55	298.71	302.56	304.54
283.80	284.87	286.51	289.10	289.34	289.65	290.23	290.43	290.61 290.62	290.88	295.10	296.10	297.26	301.11	303.09
283.55	284.62	286.26	288.85	289.09	289.40	289.98	290.18	290.36 290.37	290.63	294.85	295.85	297.01	300.86	302.84
1.70	1.70	1.70	1.70	2.47	1.70	1.70	2.46	2.70 2.78	3.72	1.70	1.70	1.70	1.70	1.70

63.52	65.57	34.03	58.33	38.82	51.10	40.42	43.00	36.84	55.23	54.06	41.52	53.40	58.52	51.73	52.89

5829.66	5895.23	5929.26	5987.59	6026.41	6077.51	6117.93	6160.93	6197.77 6199.35	6254.58	6308.64	6350.16	6403.56	6462.08	6513.81

58 59 60 61 62 63 64 65



BA3
310.00
335.00
BA3
BA3
350.00
BA3

152	I=9.28	545.46	304.89	303.44	303.19	1.70	53.03	6566.70
153	I=8.89	545.37	309.81	308.36	308.11	1.70	40.96	6619.73
154	I=8.48	545.31	313.45	312.00	311.75	1.70	21.23	6660.69
155	I=14.31	545.27	315.25	313.80	313.55	1.70	32.29	6681.92
156	I=15.27	545.22	319.87	318.42	318.17	1.70	34.11	6714.21
157	I=12.22	545.16	325.08	323.63	323.38	1.70	38.46	6748.32
158	I=9.69	545.10	329.78	328.33	328.08	1.70	62.87	6786.78
159	I=10.39	545.00	335.87	334.42	334.17	1.70	38.02	6849.65
160	I=9.57	544.94	339.82	338.37	338.12	1.70	49.53	6887.67
161	I=4.47	544.86	344.56	343.11	342.86	1.70	21.68	6937.20
162	I=4.88	544.82	345.53	344.08	343.83	1.70	47.58	6958.88
163	I=6.74	544.75	347.85	346.40	346.15	1.70	50.42	7006.46
164	I=4.14	544.66	351.25	349.80	349.55	1.70	49.96	7056.88
165	I=5.45	544.58	353.32	351.87	351.62	1.70	44.04	7106.84
166	I=3.16	544.51	355.72	354.27	354.02	1.70	48.17	7150.88
167	I=7.10	544.43	357.24	355.79	355.54	1.70	42.24	7199.05
168	I=8.74	544.36	360.24	358.79	358.54	1.70	39.80	7241.29
169		544.30	363.72	362.27	362.02	1.70	44.86	7281.09
170		544.23	365.31	362.44	362.19	3.12	32.87	7325.95

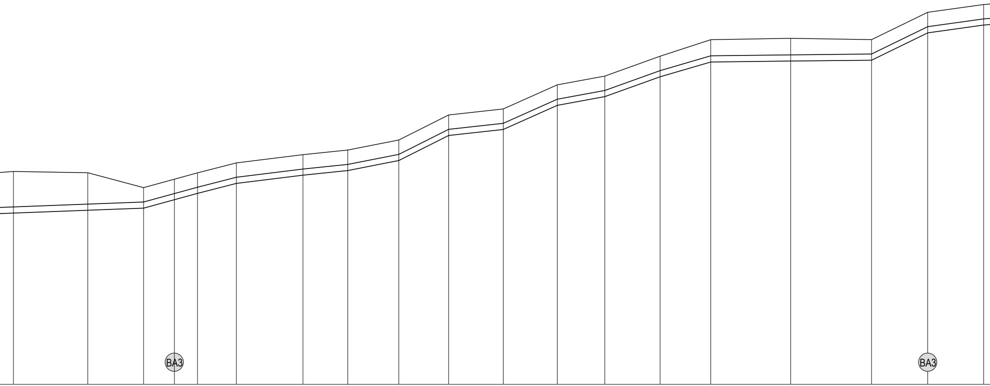
66 67 68 69 70 71 72 73

171	I=0.38	544.17	365.55	362.56	362.31	3.24	54.36	7358.82
172		544.09	365.46	362.77	362.52	2.94	40.75	7413.18
173	I=2.74	544.02	364.37	362.92	362.67	1.70	39.41	7453.93
174	I=2.57	543.96	365.45	364.00	363.75	1.70	28.42	7493.34
175	I=1.23	543.91	366.18	364.73	364.48	1.70	48.66	7521.76
176	I=1.04	543.83	366.78	365.33	365.08	1.70	32.77	7570.42
177	I=1.96	543.78	367.12	365.67	365.42	1.70	37.30	7603.19
178	I=5.03	543.72	367.85	366.40	366.15	1.70	36.41	7640.49
179	I=1.10	543.66	369.68	368.23	367.98	1.70	39.93	7676.90
180	I=4.46	543.59	370.12	368.67	368.42	1.70	39.49	7716.83
181	I=1.84	543.53	371.88	370.43	370.18	1.70	34.77	7756.32
182	I=3.59	543.47	372.52	371.07	370.82	1.70	40.36	7791.09
183	I=2.91	543.41	373.97	372.52	372.27	1.70	37.06	7831.45
184	I=0.11	543.35	375.18	373.60	373.35	1.83	58.41	7868.51
185		543.25	375.28		373.62	1.86	59.09	7926.92
186	I=4.87	543.16	375.18		373.48	1.70	41.06	7986.01
187	I=1.39	543.09	377.18		375.48	1.70	40.93	8027.07
188		543.02	377.75		376.06	1.70		8068.00

450

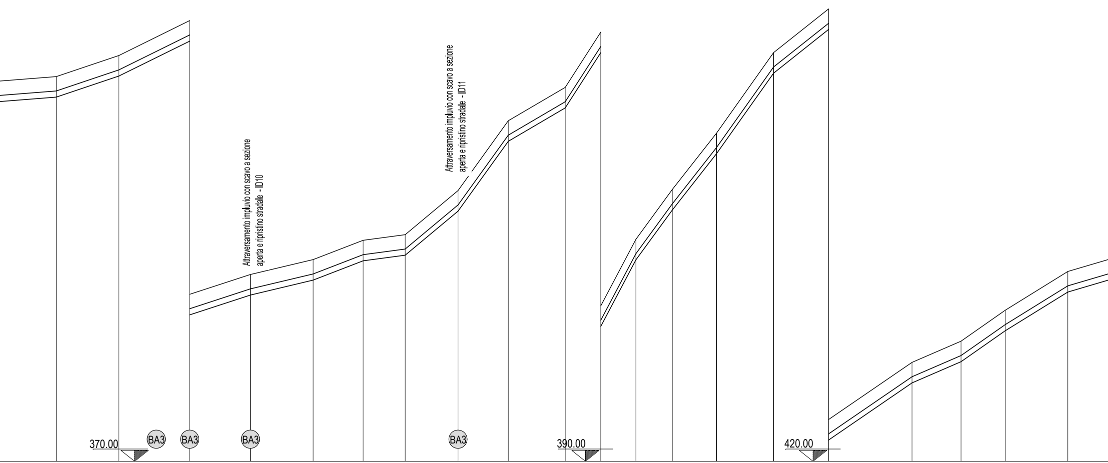
ghisa sferoidale

Sede stradale asfaltata (SC n. 75)



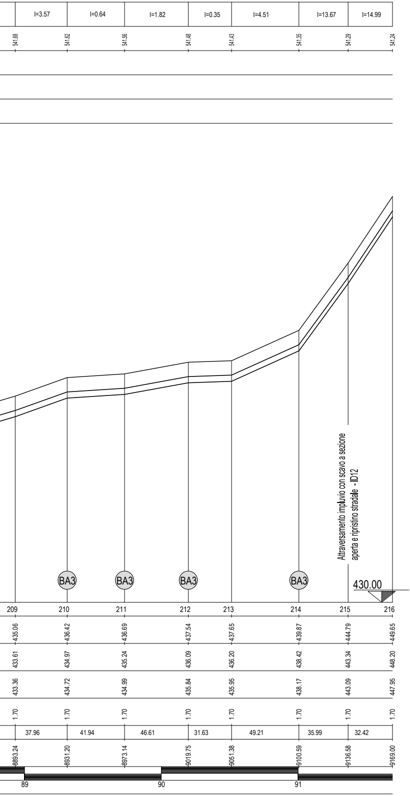
74 75 76 77 78 79 80

I=0.79	I=3.37	I=4.93	I=3.27	I=2.38	I=3.86	I=1.33	I=8.34	I=13.91	I=5.86	I=15.55	I=18.96	I=13.67	I=12.74	I=14.12	I=7.95	I=6.85	I=4.33	I=6.99	I=6.19	I=2.95
45.70	45.76	51.73	44.38	45.80	36.53	30.74	38.62	36.67	41.64	25.98	25.64	26.62	32.33	41.64	40.15	61.00	35.81	32.31	45.70	40.49


Attraversamento impluvio con scavo a sezione
aperta e ripristino stradale - ID10
Attraversamento impluvio con scavo a sezione
aperta e ripristino stradale - ID11
370.00
390.00
420.00
BA3
BA3
BA3
BA3

189	542.95	378.11	376.66	376.41	1.70	8113.70
190	542.88	379.65	378.20	377.95	1.70	8159.46
191	542.79	382.20	380.75	380.50	1.70	8211.19
192	542.72	383.65	382.20	381.95	1.70	8255.57
193	542.64	384.74	383.29	383.04	1.70	8301.37
194	542.59	386.15	384.70	384.45	1.70	8337.90
195	542.54	386.56	385.11	384.86	1.70	8368.64
196	542.47	389.78	388.33	388.08	1.70	8407.26
197	542.41	394.88	393.43	393.18	1.70	8443.93
198	542.35	397.32	395.87	395.62	1.70	8485.57
199	542.30	401.36	399.91	399.66	1.70	8511.55
200	542.26	406.22	404.77	404.52	1.70	8537.19
201	542.22	409.86	408.41	408.16	1.70	8563.81
202	542.17	413.98	412.53	412.28	1.70	8596.14
203	542.10	419.86	418.41	418.16	1.70	8637.78
204	542.03	423.05	421.60	421.35	1.70	8677.93
205	541.94	427.23	425.78	425.53	1.70	8738.93
206	541.88	428.78	427.33	427.08	1.70	8774.74
207	541.82	431.04	429.59	429.34	1.70	8807.05
208	541.75	433.87	432.42	432.17	1.70	8852.75

81 82 83 84 85 86 87 88


I=3.57
I=0.64
I=1.82
I=0.35
I=4.51
I=13.67
I=14.99
541.68
541.62
541.56
541.48
541.43
541.35
541.29
541.24
Attraversamento impluvio con scavo a sezione
aperta e ripristino stradale - ID12
BA3
BA3
BA3
BA3
430.00
209
210
211
212
213
214
215
216
435.06
436.42
436.69
437.54
437.65
439.87
444.79
449.65
433.61
434.97
435.24
436.09
436.20
438.42
443.34
448.20
433.36
434.72
434.99
435.84
435.95
438.17
443.09
447.95
1.70
1.70
1.70
1.70
1.70
1.70
1.70
1.70
37.96
41.94
46.61
31.63
49.21
35.99
32.42
8893.24
8931.20
8973.14
9019.75
9051.38
9100.59
9136.58
9169.00
89
90
91