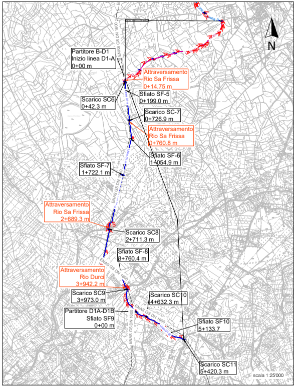
INQUADRAMENTO


N
Partitore B-D1
Inizio linea D1-A
0+00 m
Attraversamento
Rio Sa Frissa
0+14.75 m
Scarico SC6
0+42.3 m
Sfiato SF-5
0+199.0 m
Scarico SC-7
0+726.9 m
Attraversamento
Rio Sa Frissa
0+760.8 m
Sfiato SF-6
1+054.9 m
Sfiato SF-7
1+722.1 m
Attraversamento
Rio Sa Frissa
2+689.3 m
Scarico SC8
2+711.3 m
Sfiato SF-8
3+760.4 m
Attraversamento
Rio Durci
3+942.2 m
Scarico SC9
3+973.0 m
Scarico SC10
4+632.3 m
Partitore D1A-D1B
Sfiato SF9
0+00 m
Sfiato SF10
5+133.7
Scarico SC11
5+420.3 m
ENAS GS DN 1600
scala 1:25'000

cbsm
Consorzio Bonifica Sardegna Meridionale

NUOVO DISTRETTO IRRIGUO DEL PARTEOLLA-LOTTO1

PROGETTO DEFINITIVO - ESECUTIVO

REV.	DATA	DESCRIZIONE	REDATTO	VERIFICATO	APPROVATO
0	02.2022	Emissione	Costa	Spano	Mandras
1					
2					
3					

GRUPPO DI LAVORO:
R.U.P.:
ing. Corrado Defraia
PROGETTAZIONE:
ing. Andrea Mandras
ing. Mauro Spano
agr. Paolo Podda
geol. Pasqualino Littera
geol. Stefano A. Corda
geom. Corrado Costa
geom. Giovanni Dessi
geom. Stefano Torrigiani

TITOLO:

ELABORATI GRAFICI

LINEA D1–A
PROFILO DI PROGETTO
(art. 28_36 d.P.R. n. 207/2010)

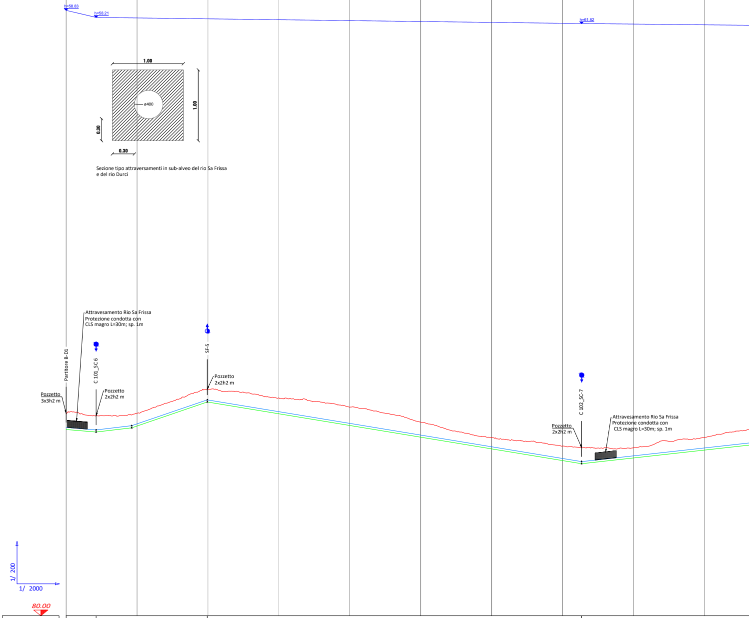
TAVOLA N°:
EG09

SCALA:
1:2000 – 1:200

PROGETTISTI:
ING. ANDREA MANDRAS
ING. MAURO SPANO

Caratteristiche tubazione	L=42.29 Gh. sf.le DN400	L=50.15 Gh. sf.le DN400	L=106.60 Ghisa sferoidale DN400	L=527.91 Ghisa sferoidale DN400	L=328.00 Ghisa sferoidale DN400
Portata [l/s]	Q=132.22	Q=105.12			

DATI CALOLO IDRAULICO
MODELLO A


h=58.83
h=58.21
h=61.82
1.00
ø400
1.00
0.30
0.30
Attravesamento Rio Sa Frissa
Protezione condotta con
CLS magro L=30m; sp. 1m
Partitore B-D1
C 101_SC 6
SF-5
C 102_SC-7
Pozzetto
3x3h2 m
Pozzetto
2x2h2 m
Pozzetto
2x2h2 m
Pozzetto
2x2h2 m
Attravesamento Rio Sa Frissa
Protezione condotta con
CLS magro L=30m; sp. 1m
1/ 200
1/ 2000
80.00

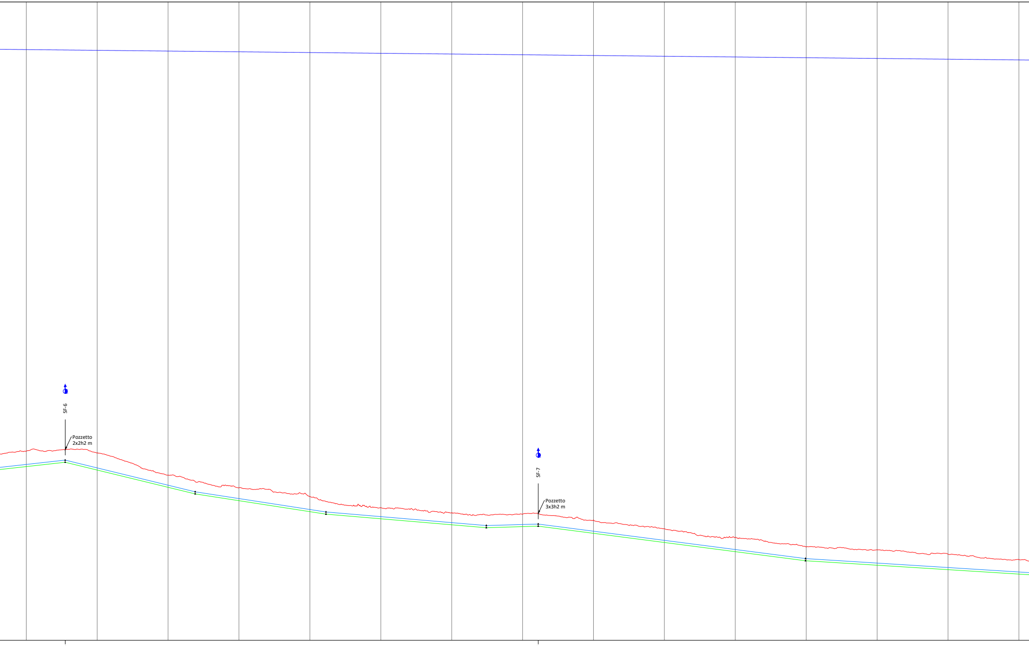
Sezione tipo attraversamenti in sub-alveo del rio Sa Frissa
e del rio Durci

I lotto - LINEA D1-A	PRT_ B-D1	C 101 SC6			SF 5							C 102 SC7		
Quote – Profondita' di scavo	2.30	2.30	1.82	1.80	1.81	1.83	2.24	2.59	2.13	1.60	2.06	2.30	1.43	1.82
Quote – Terreno	108.58	108.22	108.34	108.57	111.97	111.98	110.73	109.43	107.32	105.14	103.95	103.75	103.69	105.19
Quote – Asse Tubo	106.58	106.22	106.82	107.08	110.46	110.44	108.79	107.14	105.49	103.84	102.19	101.75	102.56	103.67
Quote – Fondo Scavo	106.28	105.92	106.52	106.78	110.16	110.14	108.49	106.84	105.19	103.54	101.89	101.45	102.26	103.37
Distanze – Parziali	42.29	50.15	7.56	98.97	1.03	100.00	100.00	100.00	100.00	100.00	26.88	73.12	100.00	100.00
Distanze – Progressive	0.00	42.29	92.44	100.00	198.97	200.00	300.00	400.00	500.00	600.00	700.00	726.88	800.00	900.00
Livellette	42.29 -0.85%	50.15 1.19%	106.60 3.42%		527.91 -1.65%							328.00 1.11%		
Interferenze	strada di servizio bitumata strada di servizio condotta ENAS L = 198.96													

PROFILO LINEA D1-A da PARTITORE_B-D a COMIZIO 106

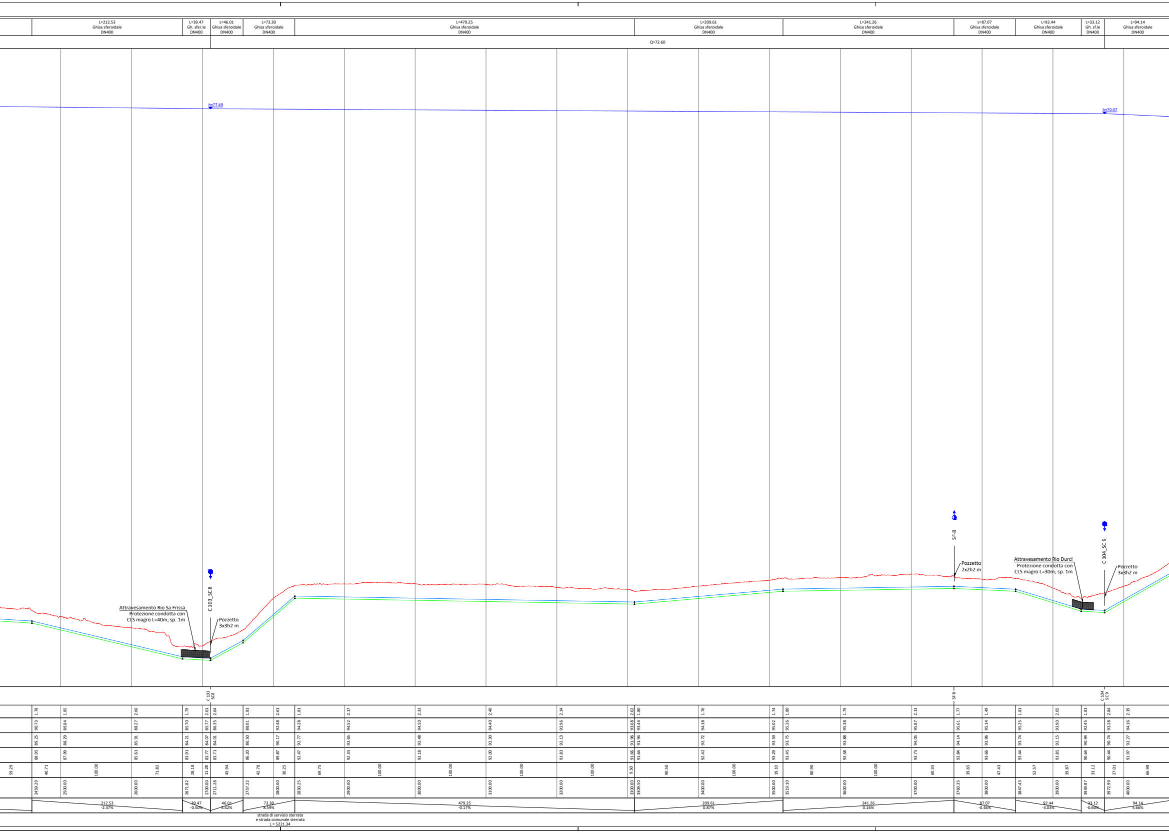
L=183.39 Ghisa sferoidale DN400	L=184.45 Ghisa sferoidale DN400	L=226.14 Ghisa sferoidale DN400	L=73.21 Ghisa sferoidale DN400	L=376.97 Ghisa sferoidale DN400	L=360.26 Ghisa sferoidale DN400

Q=97.71

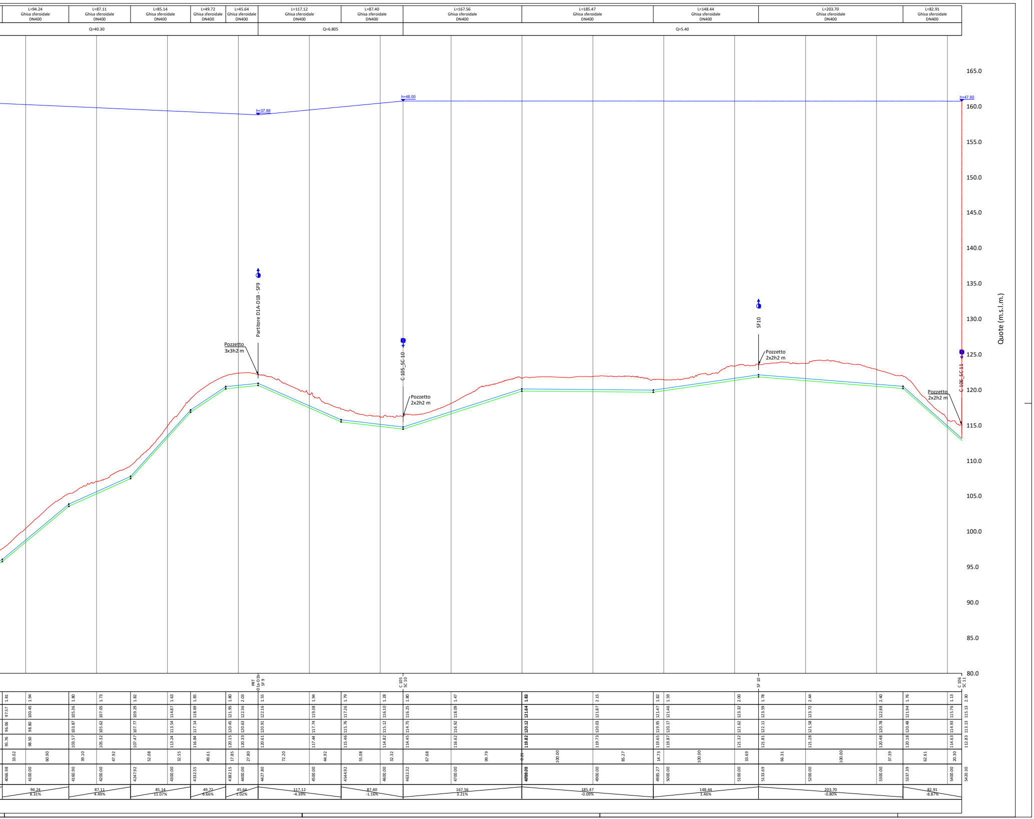

SF-6
Pozzetto
2x2h2 m
SF-7
Pozzetto
3x3h2 m

	SF 6											SF 7							
2.19	1.79	2.40	1.73	1.74	1.83	2.13	1.78	1.55	1.69	1.79	1.76	1.78	1.89	1.94	2.00	1.98 1.96	2.16	2.18	2.02
106.67	106.88	106.40	103.29	102.37	101.50	100.26	99.56	98.68	97.97	97.66	97.78	97.86	96.97	95.72	94.49	93.19 93.16	92.74	92.14	91.35
104.78	105.39	104.29	101.86	100.93	99.97	98.43	98.08	97.43	96.58	96.17	96.32	96.38	95.37	94.08	92.79	91.51 91.50	90.88	90.25	89.63
104.48	105.09	103.99	101.56	100.63	99.67	98.13	97.78	97.13	96.28	95.87	96.02	96.08	95.07	93.78	92.49	91.21 91.20	90.58	89.95	89.33
	54.86	45.14	100.00	38.25	61.75	100.00	22.70	77.30	100.00	48.84	51.16	22.05	77.95	100.00	100.00	99.03 0.97	100.00	100.00	100.00
1000.00	1054.86	1100.00	1200.00	1238.25	1300.00	1400.00	1422.70	1500.00	1600.00	1648.84	1700.00	1722.05	1800.00	1900.00	2000.00	2099.03 2100.00	2200.00	2300.00	2400.00

183.39 -2.44%	184.45 -1.54%	226.14 -0.85%	73.21 0.29%	376.97 -1.29%	360.26 -0.63%



L=212.53 Ghisa sferoidale DN400
L=39.47 Gh. sfer.le DN400
L=46.01 Ghisa sferoidale DN400
L=73.30 Ghisa sferoidale DN400
L=479.25 Ghisa sferoidale DN400
L=209.61 Ghisa sferoidale DN400
L=241.26 Ghisa sferoidale DN400
L=87.07 Ghisa sferoidale DN400
L=92.44 Ghisa sferoidale DN400
L=33.12 Gh. sf.le DN400
L=94.14 Ghisa sferoidale DN400
Q=72.60
h=77.49
h=70.07
Attraversamento Rio Sa Frissa
Protezione condotta con
CLS magro L=40m; sp. 1m
C 103_SC 8
Pozzetto
3x3h2 m
SF-8
Pozzetto
2x2h2 m
Attraversamento Rio Durci
Protezione condotta con
CLS magro L=30m; sp. 1m
C 104_SC 9
Pozzetto
3x3h2 m
C 103 SC8
SF 8
C 104 SC 9
212.53 -2.37%
39.47 -0.50%
46.01 5.42%
73.30 8.59%
479.25 -0.17%
209.61 0.87%
241.26 0.16%
87.07 -0.46%
92.44 -3.03%
33.12 -0.60%
94.14 5.66%
strada di servizio sterrata
e strada comunale sterrata
L = 5221.34


L=94.24 Ghisa sferoidale DN400
L=87.11 Ghisa sferoidale DN400
L=85.14 Ghisa sferoidale DN400
L=49.72 Ghisa sferoidale DN400
L=45.64 Ghisa sferoidale DN400
L=117.12 Ghisa sferoidale DN400
L=87.40 Ghisa sferoidale DN400
L=167.56 Ghisa sferoidale DN400
L=185.47 Ghisa sferoidale DN400
L=148.44 Ghisa sferoidale DN400
L=203.70 Ghisa sferoidale DN400
L=82.91 Ghisa sferoidale DN400
Q=40.30
Q=6.805
Q=5.40
h=37.88
h=46.00
h=47.60
Partitore D1A-D1B - SF9
Pozzetto 3x3h2 m
C 105_SC 10
Pozzetto 2x2h2 m
SF10
Pozzetto 2x2h2 m
C 106_SC 11
Pozzetto 2x2h2 m
165.0
160.0
155.0
150.0
145.0
140.0
135.0
130.0
125.0
120.0
115.0
110.0
105.0
100.0
95.0
90.0
85.0
80.0
Quote (m.s.l.m.)
PRT D1a-D1b-SF 9
C 105 SC 10
SF 10
C 106 SC 11
1.81 1.94 1.80 1.73 1.82 1.63 1.85 1.80 2.03 1.55 1.94 1.79 1.28 1.80 1.47 1.83 2.15 1.82 1.59 2.00 1.78 2.44 2.40 1.76 1.13 2.30
97.57 100.45 105.36 107.05 109.29 114.87 118.69 121.95 122.36 122.16 119.38 117.26 116.10 116.25 118.09 121.64 121.87 121.47 121.46 123.32 123.59 123.72 122.88 121.94 115.76 115.13
96.06 98.80 103.87 105.62 107.77 113.54 117.14 120.45 120.63 120.91 117.74 115.76 115.12 114.75 116.92 120.12 120.03 119.95 120.17 121.62 122.11 121.58 120.78 120.48 114.93 113.13
95.76 98.50 103.57 105.32 107.47 113.24 116.84 120.15 120.33 120.61 117.44 115.46 114.82 114.45 116.62 119.82 119.73 119.65 119.87 121.32 121.81 121.28 120.48 120.18 114.63 112.83
33.02 60.90 39.10 47.92 52.08 32.55 49.61 17.85 27.80 72.20 44.92 55.08 32.32 67.68 99.79 0.21 100.00 85.27 14.73 100.00 33.69 66.31 100.00 37.39 62.61 20.30
4066.98 4100.00 4160.90 4200.00 4247.92 4300.00 4332.55 4382.15 4400.00 4427.80 4500.00 4544.92 4600.00 4632.32 4700.00 [illegible] 4900.00 4985.27 5000.00 5100.00 5133.69 5200.00 5300.00 5337.39 5400.00 5420.30
94.24 8.31%
87.11 4.49%
85.14 11.07%
49.72 6.66%
45.64 1.02%
117.12 -4.39%
87.40 -1.16%
167.56 3.21%
185.47 -0.09%
148.44 1.46%
203.70 -0.80%
82.91 -8.87%