## COMUNE DI CERTALDO
(Provincia di Firenze)

# STUDIO IDROLOGICO-IDRAULICO RELATIVO ALLA ZONA "D6" (*SCHEDA N. 20 DELLE VARIANTI '99 AL P.R.G.C.*), SITA NELLA ZONA INDUSTRIALE "AVANELLA", NEL COMUNE DI CERTALDO (FIRENZE)

Rif. D.C.R. N.230 DEL 21/06/1994, D.L. N.180 DEL 11/06/1998,
D.P.C.M. N. 226 DEL 05/11/1999

STUDIO GEO-IDROLOGICO: Dr. Geol. SILVANO BECATTELLI Becattelli

STUDIO IDRAULICO: Dr. Ing. VALTER NUCCI

RILEVAMENTO TOPOGRAFICO: Geom. STEFANO GELLI

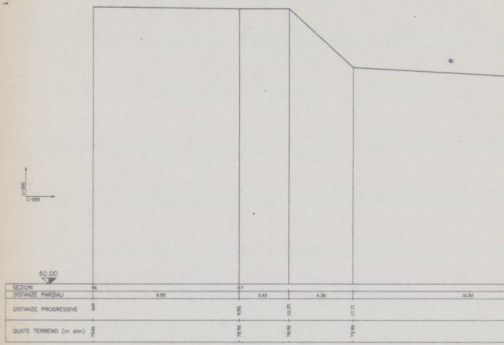
## SEZIONI IDRAULICHE E4 ed E5 SUL F. ELSA, NELLO STATO ATTUALE, CON I LIVELLI RAGGIUNTI DALLE ACQUE PER PIENE CON TEMPO DI RITORNO VENTENNALE, TRENTENNALE, CENTENNALE E DUECENTENNALE

| Data | Scala | Tavola |
|---|---|---|
| NOVEMBRE 2000 | 1:200 | 5b |

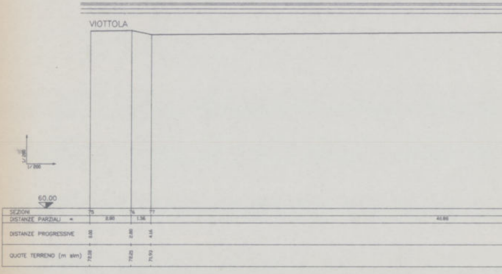
STUDIO
DR. SILVANO BECATTELLI
GEOLOGO

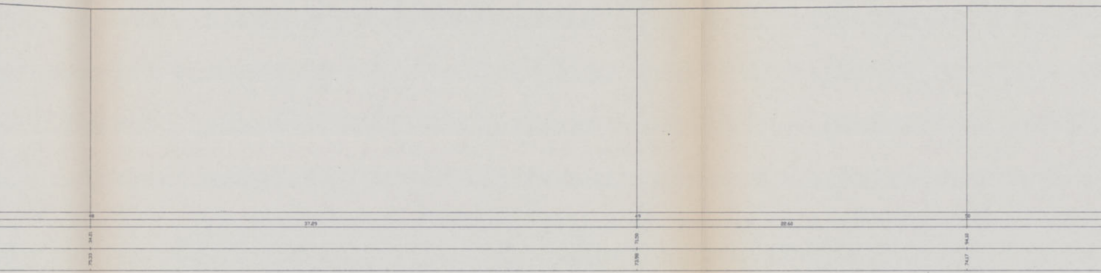
53036 POGGIBONSI (SI) VIA GORIZIA, 8/A TEL. 0577.936295

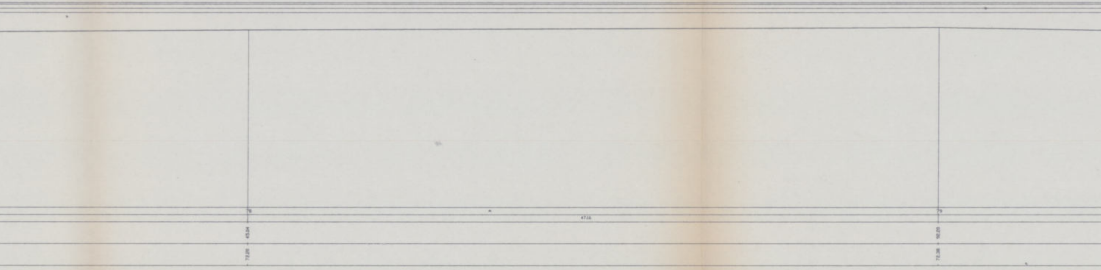
## SEZIONE E4

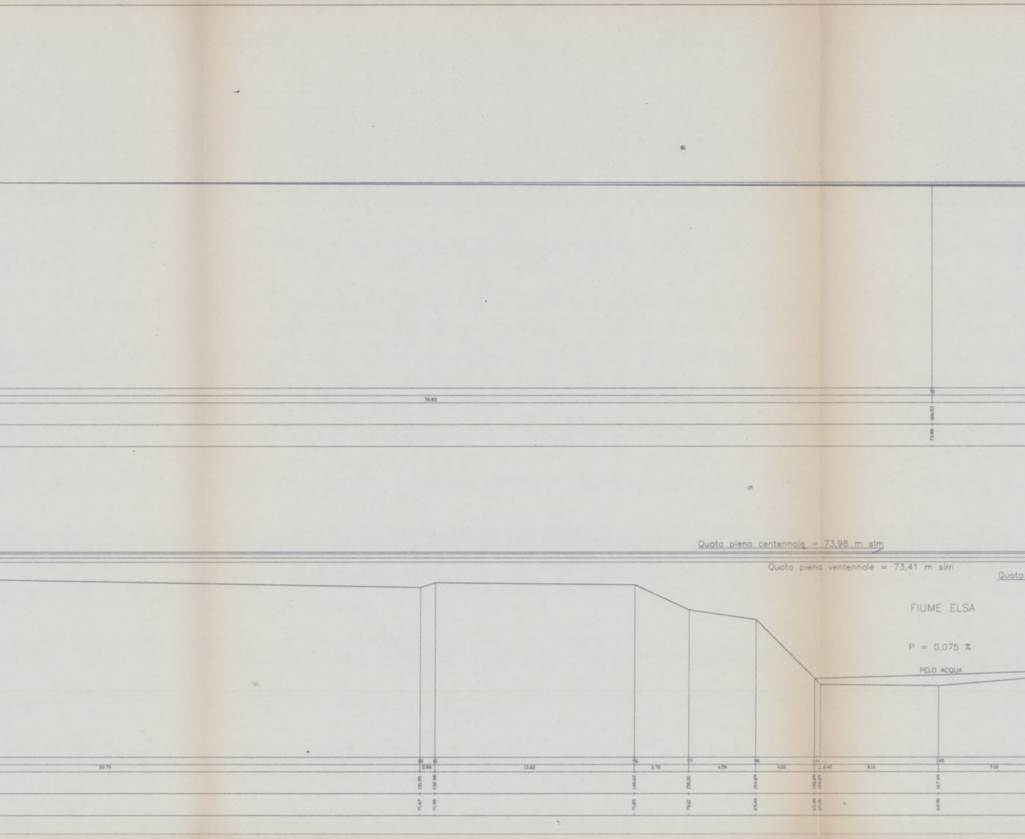

1/200
1/200
60.00
SEZIONI
46
47
DISTANZE PARZIALI
9.95
3.40
4.36
16.50
DISTANZE PROGRESSIVE
0.00
9.95
13.35
17.71
QUOTE TERRENO (m slm)
79.05
78.92
78.92
73.90

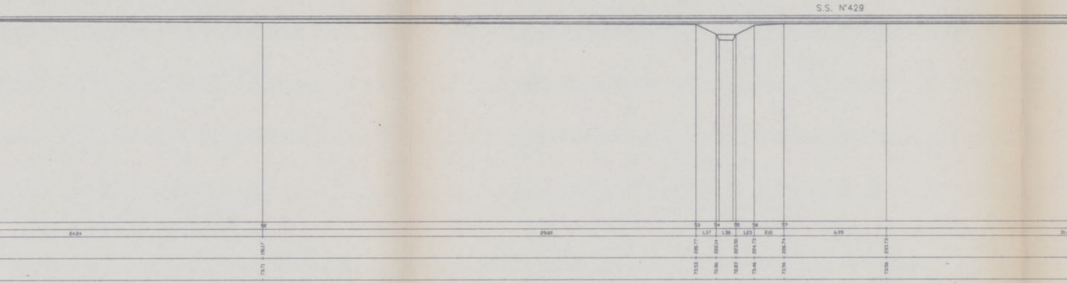
## SEZIONE E5

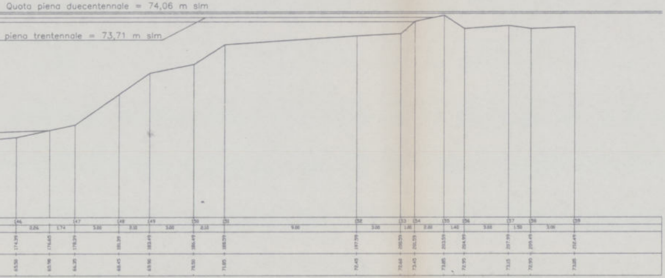

VIOTTOLA
1/200
1/200
60.00
SEZIONI
75
76
77
DISTANZE PARZIALI
2.80
1.36
40.86
DISTANZE PROGRESSIVE
0.00
2.80
4.16
QUOTE TERRENO (m slm)
72.18
72.23
71.92

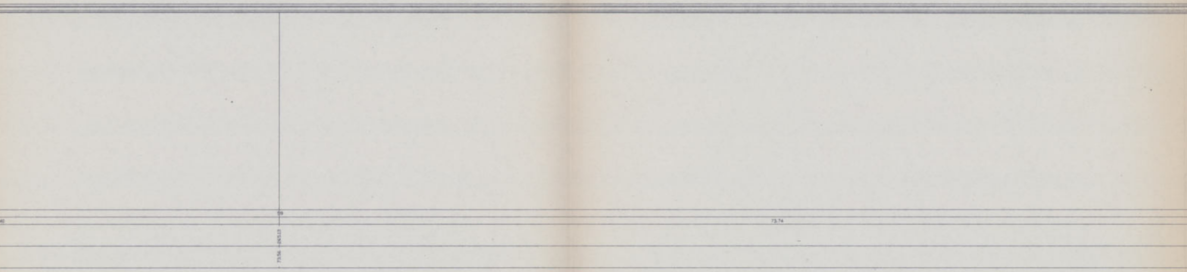

48
37.29
34.21
75.33
49
71.50
73.98
50
22.60
94.10
74.17

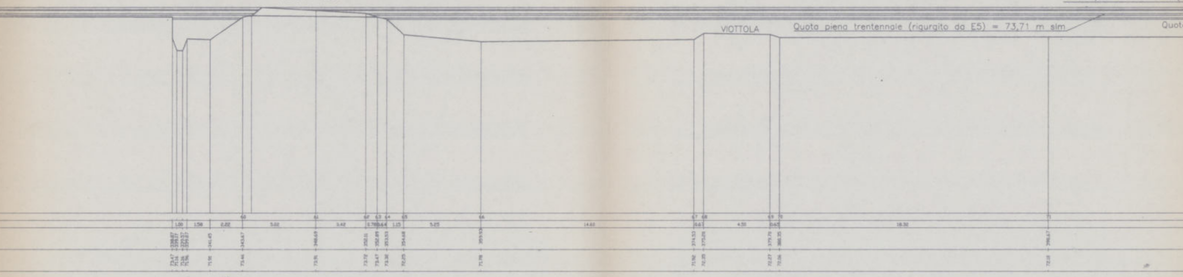

78
47.16
45.04
72.26
79
92.20
72.38

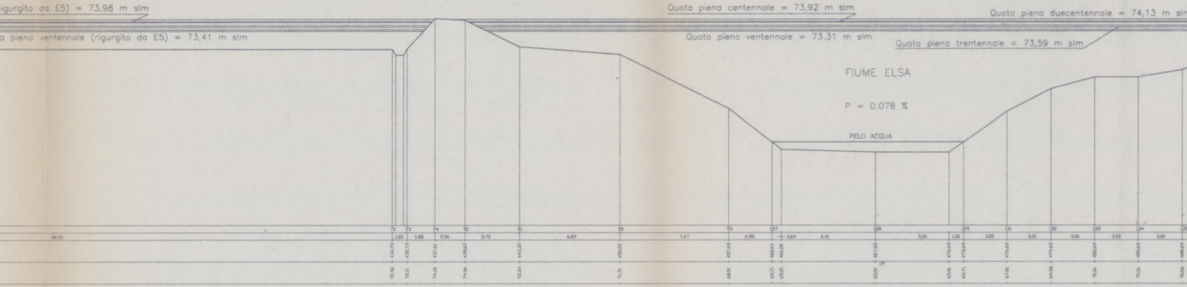

70.83
15
166.93
73.88
Quota piena centennale = 73,98 m slm
Quota piena ventennale = 73,41 m slm
Quota
FIUME ELSA
P = 0.075 %
PELO ACQUA
39.79
60
61
0.99
131.99
132.98
71.67
71.99
13.62
96
146.60
71.85
3.76
97
150.30
4.59
98
154.89
69.45
4.00
144
1.40
8.11
145
167.39
64.90
7.00



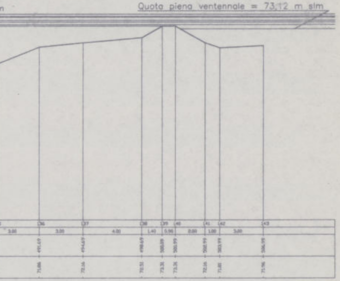

Quota piena duecentennale = 74,06 m slm
piena trentennale = 73,71 m slm


59
73.74
73.56
265.13


LINEA FF.SS.
VIOTTOLA
Quota piena trentennale (rigurgito da E5) = 73,71 m slm
Quota piena centennale (r
Quot
60
61
62
63
64
65
66
67
68
69
70
71
1.00
1.58
2.22
5.02
3.42
1.78
0.64
1.15
5.25
14.60
0.67
4.50
0.65
18.32
338.87
339.37
339.57
339.87
341.45
343.67
348.69
352.11
352.89
353.53
354.68
359.93
374.53
375.20
379.70
380.35
398.67
73.47
71.16
71.16
71.96
71.91
73.44
73.91
73.72
73.47
73.38
72.25
71.78
71.92
72.35
72.27
72.06
72.18



rigurgito da E5) = 73,98 m slm
a piena ventennale (rigurgito da E5) = 73,41 m slm
Quota piena centennale = 73,92 m slm
Quota piena ventennale = 73,31 m slm
Quota piena duecentennale = 74,13 m sl
Quota piena trentennale = 73,59 m slm
FIUME ELSA
P = 0.078 %
PELO ACQUA
1.03
1.88
2.06
3.70
6.85
7.47
2.95
0.64
6.41
5.00
1.00
3.00
3.00
3.00
3.00
3.00
434.70
435.73
437.61
439.67
443.37
450.22
457.69
460.64
461.28
467.69
472.69
473.69
476.69
479.69
482.69
485.69
488.69
72.06
72.11
74.10
74.06
72.24
71.71
68.81
65.71
65.21
65.21
65.18
65.71
67.81
69.36
70.16
70.16
70.64


Quota piena ventennale = 73,12 m slm
136
137
138
139
140
141
142
143
3.00
3.00
4.00
1.40
0.90
2.00
1.00
3.00
491.69
494.69
498.69
500.09
500.99
502.99
503.99
506.99
71.86
72.16
72.51
73.31
73.26
72.16
71.80
71.96