COMUNE DI BORDIGHERA

PROGETTO DI FATTIBILITA' TECNICA ED ECONOMICA DI AGGIORNAMENTO E COMPLETAMENTO

del "progetto preliminare Regione Liguria luglio 2001
per la difesa e ripascimento delle spiagge
tra capo Mortola e capo Sant'Ampelio"

STRALCIO PER IL LITORALE DI BORDIGHERA

PARTE SECONDA: PROGETTO DI INTERVENTO

CELLE LITORALI "KURSAAL - SAN MARCO" E
"SAN MARCO - DEPURATORE"
- PLANIMETRIA DI PROGETTO (1:1.000)
- SEZIONI (1:500)

TAVOLA N.
26

data
Agosto 2019

scala
1:1.000
1: 500

A	PRIMA STESURA	Agosto 2019
B		
C		
D		

PROGETTO:

STUDIO SIRITO
Savona

ing. Giorgio Sirito
ing. Roberto Sirito
geom. Vittorio Sirito

BASE CARTOGRAFICA
Carta Tecnica Regionale 1:10.000
2007/2013 - II Edizione

E=1.464.700
N=4.910.200 coordinate Gauss Boaga

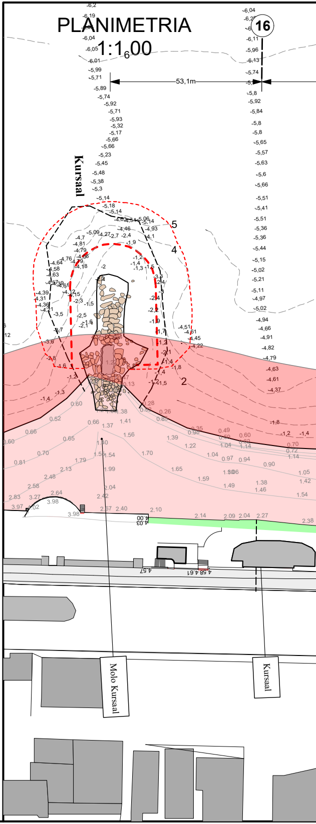
RILIEVO

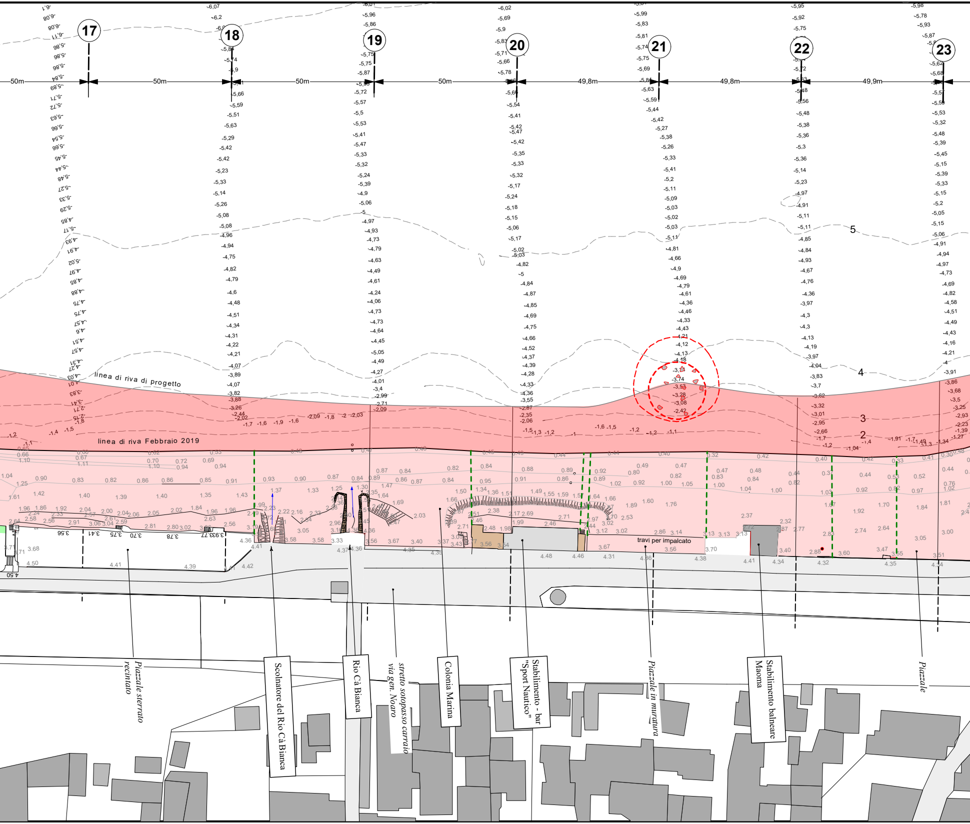
Rilievo topografico della spiaggia e dei pennelli
Studio Sirito Febbraio 2019

confini concessioni degli stabilimenti balneari - - - - - -

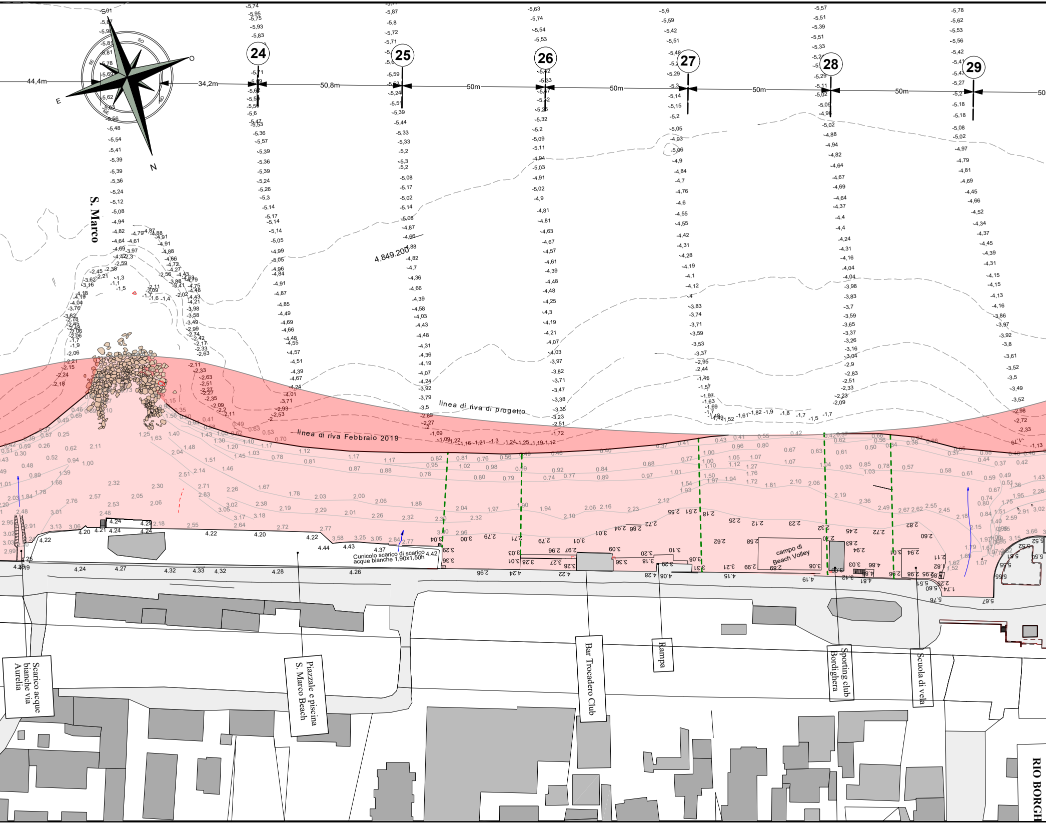
isobate Geocoste 02 Febbraio 2019
pricipali — — -10— —
secondarie — — 2— —

sezioni (Tav.11) ② — — —

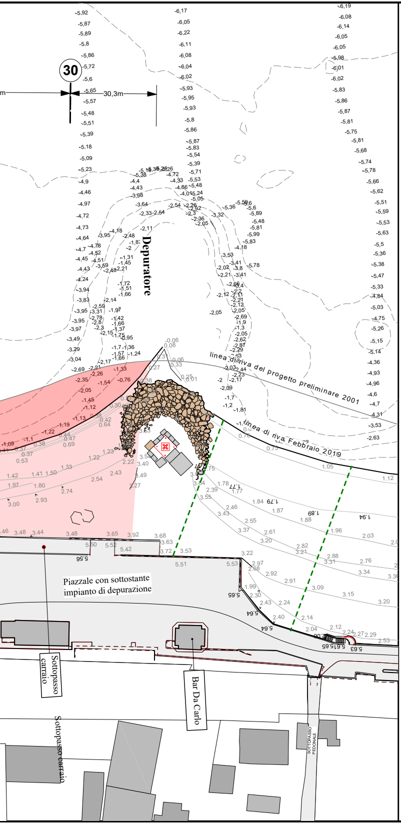

PLANIMETRIA
1:1.000
16
53,1m
Kursaal
5
4
2
Molo Kursaal
Kursaal

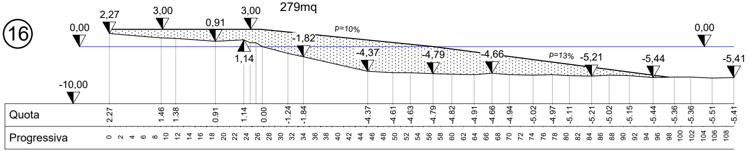


17
18
19
20
21
22
23
50m
50m
50m
50m
49,8m
49,8m
49,9m
5
4
3
2
linea di riva di progetto
linea di riva Febbraio 2019
travi per impalcato
Piazzale sterrato recintato
Scolnatore del Rio Cà Bianca
Rio Cà Bianca
stretto sottopasso carraio via gen. Noaro
Colonia Marina
Stabilimento - bar "Sport Nautico"
Piazzale in muratura
Stabilimento balneare Maona
Piazzale


S. Marco
N
E
O
SO
SE
NE
NO
44,4m
34,2m
50,8m
50m
50m
50m
50m
50m
24
25
26
27
28
29
4.849.200
linea di riva di progetto
linea di riva Febbraio 2019
Cunicolo scarico di scarico acque bianche 1,90x1,50h
campo di Beach Volley
Scarico acque bianche via Aurelia
Piazzale e piscina S. Marco Beach
Bar Trocadero Club
Rampa
Sporting club Bordighera
Scuola di vela
RIO BORGH

CELLA LITORAL
KURSAAL -SAN MA
1:500


30
30,3m
Depuratore
linea di riva del progetto preliminare 2001
linea di riva Febbraio 2019
Piazzale con sottostante impianto di depurazione
Sottopasso carraio
Bar Da Carlo
Sottopasso carraio
SOTTOPASSO PEDONALE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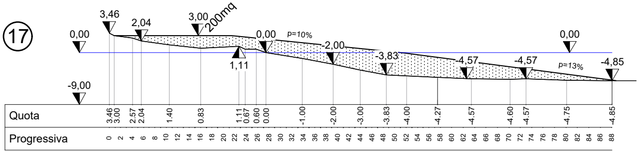
2,27
3,00
0,91
3,00
1,14
-1,82
p=10%
-4,37
-4,79
-4,66
p=13%
-5,21
-5,44
-5,41
0,00
-10,00
Quota
2.27 1.46 1.38 0.91 1.14 0.00 -1.24 -1.84 -4.37 -4.61 -4.63 -4.79 -4.82 -4.91 -4.66 -4.94 -5.02 -4.97 -5.11 -5.21 -5.02 -5.15 -5.44 -5.36 -5.36 -5.51 -5.41
Progressiva
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 108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200mq
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3,00
1,11
0,00
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-3,83
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-4,57
p=13%
-4,85
0,00
-9,00
Quota
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Progressiva
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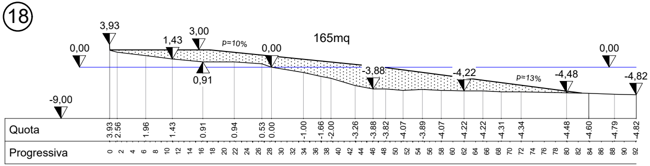
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3,00
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0,91
0,00
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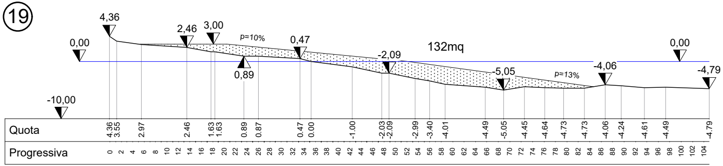
p=13%
-4,48
-4,82
0,00
-9,00
Quota
3.93 2.56 1.96 1.43 0.91 0.94 0.53 0.00 -1.00 -1.66 -2.00 -3.26 -3.88 -3.82 -4.07 -3.89 -4.07 -4.22 -4.22 -4.31 -4.34 -4.48 -4.60 -4.79 -4.82
Progressiva
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92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3,00
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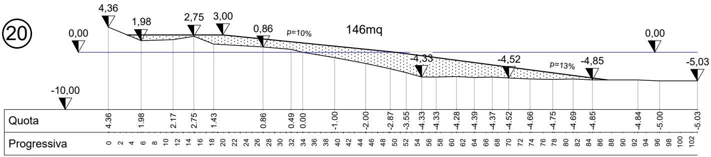
0,47
-2,09
-5,05
p=13%
-4,06
-4,79
0,00
-10,00
Quota
4.36 3.55 2.97 2.46 1.63 1.63 0.89 0.87 0.47 0.00 -1.00 -2.03 -2.09 -2.99 -3.40 -4.01 -4.49 -5.05 -4.45 -4.64 -4.73 -4.73 -4.06 -4.24 -4.61 -4.49 -4.79
Progressiva
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 102 104

E
RCO

20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2,75
3,00
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0,00
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-5,03
-10,00
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4.36 1.98 2.17 2.75 1.43 0.86 0.49 0.00 -1.00 -2.00 -2.87 -3.55 -4.33 -4.33 -4.28 -4.39 -4.37 -4.52 -4.66 -4.75 -4.69 -4.85 -4.84 -5.00 -5.03
Progressiva
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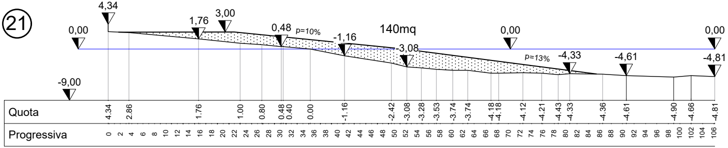
21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p=13%
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-4,61
-4,81
-9,00
Quota
4.34 2.86 1.76 1.00 0.80 0.48 0.40 0.00 -1.16 -2.42 -3.08 -3.28 -3.53 -3.74 -3.74 -4.18 -4.18 -4.12 -4.21 -4.43 -4.33 -4.36 -4.61 -4.90 -4.66 -4.81
Progressiva
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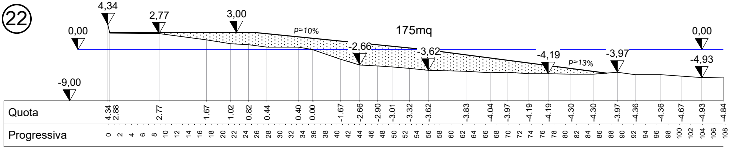
22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-3,62
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p=13%
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-4,93
-9,00
Quota
4.34 2.88 2.77 1.67 1.02 0.82 0.44 0.40 0.00 -1.67 -2.66 -2.90 -3.01 -3.32 -3.62 -3.83 -4.04 -3.97 -4.19 -4.19 -4.30 -4.30 -3.97 -4.36 -4.36 -4.67 -4.93 -4.84
Progressiva
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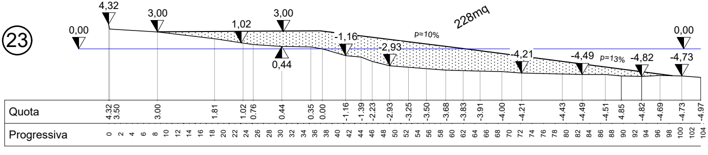
23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-4,49
p=13%
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-4,73
Quota
4.32 3.50 3.00 1.81 1.02 0.76 0.44 0.35 0.00 -1.16 -1.39 -2.23 -2.93 -3.25 -3.50 -3.68 -3.83 -3.91 -4.00 -4.21 -4.43 -4.49 -4.51 4.85 -4.82 -4.69 -4.73 -4.97
Progressiva
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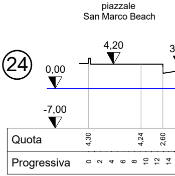
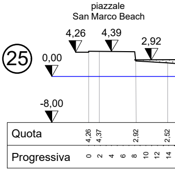
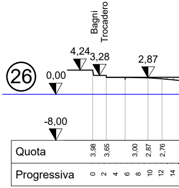
24


piazzale
San Marco Beach
4,20
0,00
-7,00
Quota
4,30 4,24 2,60
Progressiva
0 2 4 6 8 10 12 14

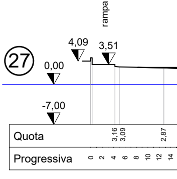
25


piazzale
San Marco Beach
4,26
4,39
2,92
0,00
-8,00
Quota
4,26 4,37 2,92 2,52
Progressiva
0 2 4 6 8 10 12 14

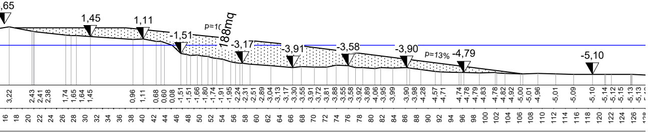
26


Bagni
Trocadero
4,24
3,28
2,87
0,00
-8,00
Quota
3,98 3,65 3,00 2,87 2,76
Progressiva
0 2 4 6 8 10 12 14

27


rampa
4,09
3,51
0,00
-7,00
Quota
3,16 3,09 2,87
Progressiva
0 2 4 6 8 10 12 14

CELLA LITORALE
SAN MARCO - DEPURATORE
1:500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-3,90
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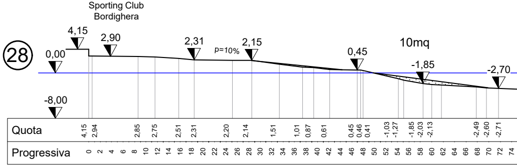
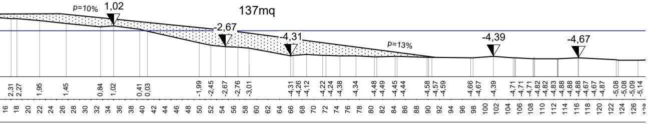

Sporting Club
Bordighera
28
4,15
2,90
2,31
p=10%
2,15
0,45
10mq
-1,85
-2,70
0,00
-8,00
Quota
Progressiva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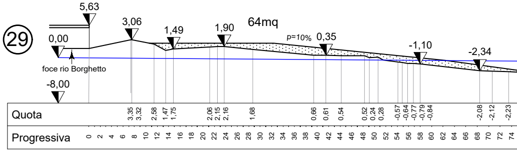
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foce rio Borghetto
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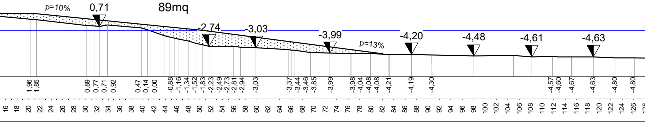
Quota
Progressiva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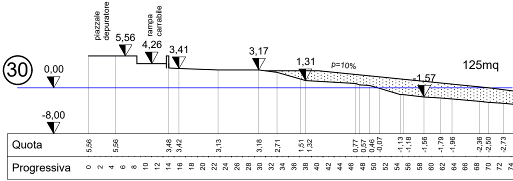
piazzale
depuratore
rampa
carrabile
5,56
4,26
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3,17
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125mq
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0,00
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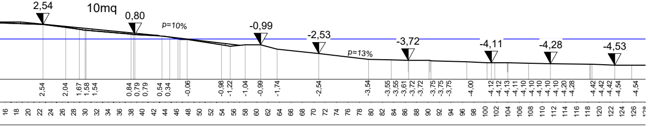
Quota
Progressiva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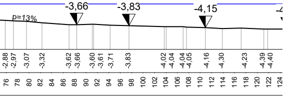
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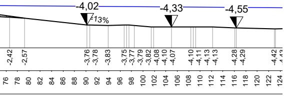
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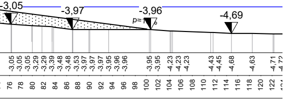
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-3,96
-3,95
-3,95
-4,23
-4,23
-4,23
-4,43
-4,45
-4,68
-4,63
-4,71
76
78
80
82
84
86
88
90
92
94
96
98
100
102
104
106
108
110
112
114
116
118
120
122

VOLUME DI RIPASCIMENTO CELLA LITORALE KURSAAL - SAN MARCO

Tratto	area sez A	area sez B	distanza	Volume
	A	B	D	(A+B)/2XD=
	mq	mq	m	mc
dal pennello Kursaal a sez 16	0	279	53,1	7.407
da sez 16 a sez 17	279	200	50,0	11.975
da sez 17 a sez 18	200	165	50,0	9.125
da sez 18 a sez 19	165	132	50,0	7.425
da sez 19 a sez 20	132	146	50,0	6.950
da sez 20 a sez 21	146	140	49,8	7.121
da sez 21 a sez 22	140	175	49,8	7.844
da sez 22 a sez 23	175	228	50,0	10.075
da sez 23 al pennello San Marco	228	0	44	5.027
TOTALE :				**72.950**
Dispersione del 30%:				21.885
TOTALE VOLUME DI RIPASCIMENTO:				**94.835**

VOLUME DI RIPASCIMENTO CELLA LITORALE SAN MARCO - DEPURATORE

Tratto	area sez A	area sez B	distanza	Volume
	A	B	D	(A+B)/2XD=
	mq	mq	m	mc
dal pennello S.Marco alla sez 24	0	188	34,2	3.215
da sez 24 a sez 25	188	137	50,8	8.255
da sez 25 a sez 26	137	89	50,0	5.650
da sez 26 a sez 27	89	10	50,0	2.475
da sez 27 a sez 28	10	10	50,0	500
da sez 28 a sez 29	10	64	50,0	1.850
da sez 29 a sez 30	64	125	50,0	4.725
da sez 30 al pennello Depuratore	125	0	30,3	1.894
TOTALE :				**28.564**
Dispersione del 30%:				8.569
TOTALE VOLUME DI RIPASCIMENTO:				**37.133**