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

# SCOLO CANALAZZO INFERIORE

## SEZIONI TRASVERSALI DALLA 12F ALLA 15F1

Data: **03.09.2024**

Elab.: **7.9.6**

**IL PROGETTISTA**
(Dott. Ing. Laura Montanari)

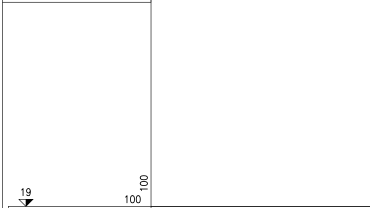
INGEGNERE LAURA MONTANARI
N° 7792 / A

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

Valeria Chierici

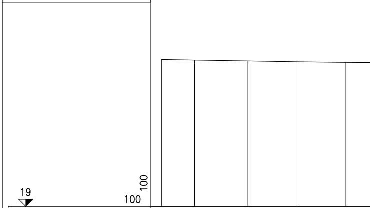
| Rev. | Descrizione | Redatto | Data | Codice Intervento |
|---|---|---|---|---|
| 00 | Emissione | Mazzanti C. | 03.09.2024 | OC168 |
| | | | | |
| | | | | |

PROFILO CANALAZZO INF.
SEZIONE 12F
PROGRESSIVA 3583



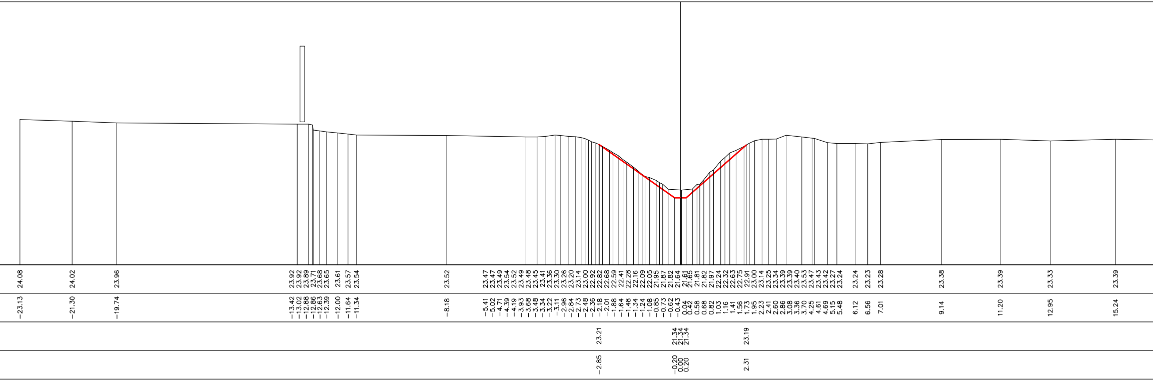
| | |
|---|---|
| QUOTE TERRENO | |
| PROGRESSIVE TERRENO | |
| QUOTE PROGETTO | |
| PROGRESSIVE PROGETTO | |

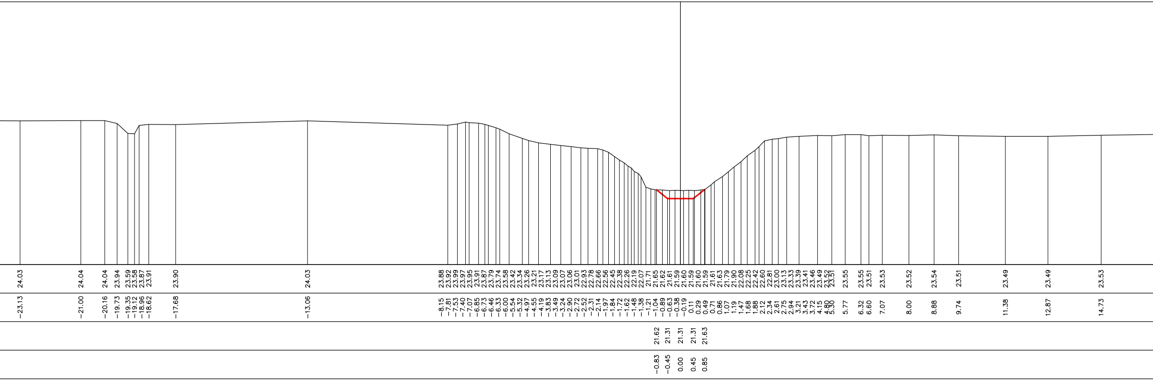
PROFILO CANALAZZO INF.
SEZIONE 13F
PROGRESSIVA 3821

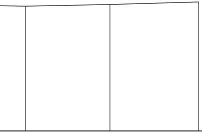


| | | | | | |
|---|---|---|---|---|---|
| QUOTE TERRENO | 24.14 | 24.12 | 24.09 | 24.06 | 24.04 |
| PROGRESSIVE TERRENO | −31.13 | −29.97 | −28.10 | −26.38 | −24.67 |
| QUOTE PROGETTO | | | | | |
| PROGRESSIVE PROGETTO | | | | | |

Esecuzione rilievo: DESIDERATI B. - Restituzione grafica rilievo: TADDIA Y.


24.08
24.02
23.96
23.92
23.92
23.89
23.71
23.68
23.65
23.61
23.57
23.54
23.52
23.47
23.47
23.49
23.54
23.52
23.49
23.48
23.45
23.41
23.36
23.30
23.26
23.20
23.14
23.00
22.92
22.82
22.68
22.59
22.41
22.28
22.16
22.09
22.05
21.95
21.87
21.82
21.64
21.61
21.65
21.81
21.82
21.97
22.24
22.32
22.63
22.75
22.91
23.00
23.14
23.25
23.34
23.39
23.39
23.40
23.53
23.47
23.43
23.42
23.27
23.24
23.24
23.23
23.28
23.38
23.39
23.33
23.39
−23.13
−21.30
−19.74
−13.42
−13.02
−12.88
−12.86
−12.63
−12.39
−12.00
−11.64
−11.34
−8.18
−5.41
−5.02
−4.71
−4.39
−4.19
−3.93
−3.68
−3.48
−3.34
−3.22
−3.11
−2.96
−2.84
−2.73
−2.48
−2.36
−2.18
−2.01
−1.88
−1.64
−1.48
−1.34
−1.24
−1.08
−0.85
−0.73
−0.62
−0.43
0.04
0.42
0.58
0.68
0.82
1.03
1.16
1.41
1.56
1.73
1.95
2.23
2.41
2.60
2.86
3.08
3.36
3.70
4.25
4.61
4.69
5.15
5.48
6.12
6.56
7.01
9.14
11.20
12.95
15.24
23.21
21.34
21.34
21.34
23.19
−2.85
−0.20
0.00
0.20
2.31


24.03
24.04
24.04
23.94
23.59
23.58
23.87
23.91
23.90
24.03
23.88
23.92
23.99
23.97
23.95
23.91
23.87
23.79
23.74
23.58
23.42
23.34
23.26
23.21
23.17
23.13
23.09
23.07
23.06
23.01
22.93
22.78
22.66
22.56
22.45
22.38
22.26
22.19
22.07
21.71
21.65
21.62
21.61
21.59
21.60
21.59
21.60
21.59
21.61
21.63
21.79
21.90
22.08
22.25
22.42
22.60
22.81
23.00
23.13
23.33
23.39
23.41
23.46
23.49
23.52
23.51
23.55
23.55
23.51
23.53
23.52
23.54
23.51
23.49
23.49
23.53
−23.13
−21.00
−20.16
−19.73
−19.35
−19.12
−18.96
−18.62
−17.68
−13.06
−8.15
−7.81
−7.53
−7.40
−7.07
−6.85
−6.73
−6.46
−6.33
−6.00
−5.54
−5.32
−4.97
−4.55
−4.19
−3.83
−3.49
−3.24
−2.90
−2.72
−2.52
−2.31
−2.14
−1.97
−1.84
−1.72
−1.62
−1.48
−1.38
−1.21
−1.04
−0.89
−0.63
−0.38
−0.19
0.11
0.29
0.49
0.71
0.86
1.07
1.19
1.47
1.68
1.88
2.12
2.34
2.61
2.75
2.94
3.21
3.43
3.72
4.15
4.80
5.30
5.77
6.32
6.60
7.07
8.00
8.88
9.74
11.38
12.87
14.73
21.62
21.31
21.31
21.31
21.63
−0.83
−0.45
0.00
0.45
0.85

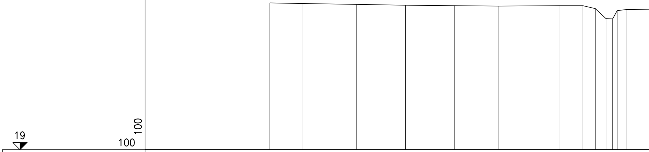


|  |  |  |  |
|---|---|---|---|
|  | 23.35 | 23.41 | 23.50 |
|  | 17.44 | 20.40 | 23.50 |
|  |  |  |  |
|  |  |  |  |

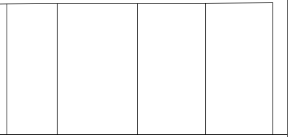
PROFILO CANALAZZO INF.

SEZIONE 13

PROGRESSIVA 3867



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QUOTE TERRENO | 24.14 | 24.12 | 24.09 | 24.06 | 24.04 | 24.03 | 24.04 | 24.04 | 23.94 | 23.59 | 23.58 | 23.87 | 23.91 |
| PROGRESSIVE TERRENO | −31.13 | −29.97 | −28.10 | −26.38 | −24.67 | −23.13 | −21.00 | −20.16 | −19.73 | −19.35 | −19.12 | −18.96 | −18.62 |
| QUOTE PROGETTO |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROGRESSIVE PROGETTO |  |  |  |  |  |  |  |  |  |  |  |  |  |

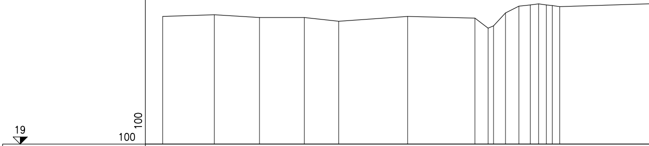


|  |  |  |  |  |  |
|---|---|---|---|---|---|
|  | 23.56 | 23.57 | 23.57 | 23.58 | 23.60 |
|  | 16.79 | 18.55 | 21.36 | 23.74 | 26.09 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

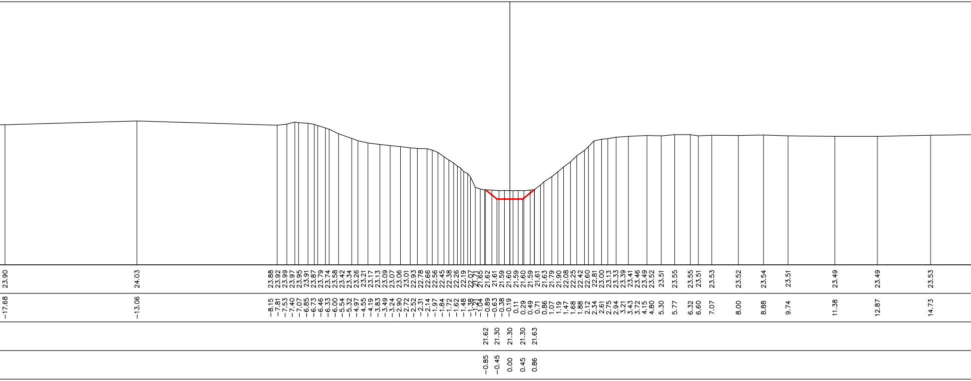
PROFILO CANALAZZO INF.

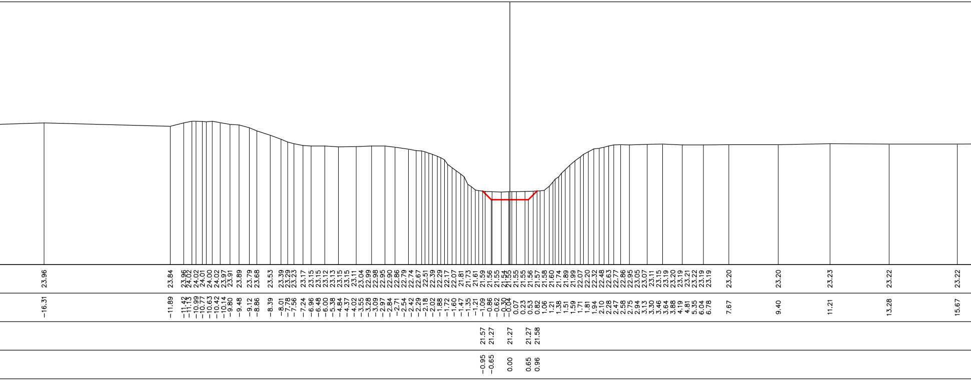
SEZIONE 14

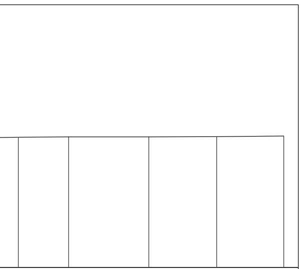
PROGRESSIVA 4073



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QUOTE TERRENO | 23.47 | 23.53 | 23.43 | 23.43 | 23.30 | 23.47 | 23.41 | 23.06 | 23.14 | 23.59 | 23.83 | 23.87 | 23.91 | 23.87 | 23.85 | 23.81 |
| PROGRESSIVE TERRENO | −34.89 | −33.08 | −31.50 | −29.93 | −28.72 | −26.31 | −23.95 | −23.49 | −23.30 | −22.88 | −22.41 | −22.01 | −21.72 | −21.45 | −21.24 | −20.98 |
| QUOTE PROGETTO |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROGRESSIVE PROGETTO |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


23.90
24.03
23.88
23.92
23.99
23.97
23.95
23.91
23.87
23.79
23.74
23.58
23.42
23.34
23.26
23.21
23.17
23.13
23.09
23.07
23.06
23.01
22.93
22.78
22.66
22.56
22.45
22.38
22.26
22.19
22.07
21.71
21.65
21.62
21.61
21.59
21.60
21.59
21.60
21.59
21.61
21.63
21.79
21.90
22.08
22.25
22.42
22.60
22.81
23.00
23.13
23.33
23.39
23.41
23.46
23.49
23.52
23.51
23.55
23.55
23.51
23.53
23.52
23.54
23.51
23.49
23.49
23.53
−17.68
−13.06
−8.15
−7.81
−7.53
−7.40
−7.07
−6.85
−6.73
−6.46
−6.33
−6.00
−5.54
−5.32
−4.97
−4.55
−4.19
−3.83
−3.49
−3.24
−2.90
−2.72
−2.52
−2.31
−2.14
−1.97
−1.84
−1.72
−1.62
−1.48
−1.38
−1.21
−1.04
−0.89
−0.63
−0.38
−0.19
0.11
0.29
0.49
0.71
0.86
1.07
1.19
1.47
1.68
1.88
2.12
2.34
2.61
2.75
2.94
3.21
3.43
3.72
4.15
4.80
5.30
5.77
6.32
6.60
7.07
8.00
8.88
9.74
11.38
12.87
14.73
21.62
21.30
21.30
21.30
21.63
−0.85
−0.45
0.00
0.45
0.86


23.96
23.84
23.96
24.02
24.02
24.01
24.00
24.02
23.97
23.91
23.89
23.79
23.68
23.53
23.39
23.29
23.23
23.17
23.15
23.15
23.12
23.13
23.15
23.15
23.11
23.04
22.99
22.98
22.95
22.90
22.86
22.79
22.74
22.67
22.51
22.39
22.29
22.17
22.07
21.81
21.73
21.61
21.59
21.56
21.55
21.54
21.55
21.55
21.55
21.56
21.57
21.58
21.60
21.74
21.89
21.99
22.07
22.20
22.32
22.48
22.63
22.77
22.86
22.95
23.05
23.07
23.11
23.15
23.19
23.20
23.19
23.21
23.22
23.19
23.19
23.20
23.20
23.23
23.22
23.22
−16.31
−11.89
−11.42
−11.13
−10.99
−10.77
−10.63
−10.42
−10.14
−9.80
−9.48
−9.12
−8.86
−8.39
−8.01
−7.78
−7.56
−7.24
−6.96
−6.48
−6.00
−5.38
−4.84
−4.37
−4.02
−3.55
−3.28
−3.09
−2.97
−2.84
−2.71
−2.54
−2.42
−2.29
−2.18
−2.02
−1.88
−1.72
−1.60
−1.47
−1.35
−1.21
−1.09
−0.86
−0.62
−0.30
−0.04
0.07
0.23
0.53
0.82
1.06
1.21
1.38
1.51
1.59
1.71
1.81
1.94
2.10
2.28
2.47
2.58
2.75
2.94
3.13
3.30
3.46
3.64
3.88
4.19
4.81
5.35
6.04
6.78
7.67
9.40
11.21
13.28
15.67
21.57
21.27
21.27
21.27
21.58
−0.95
−0.65
0.00
0.65
0.96

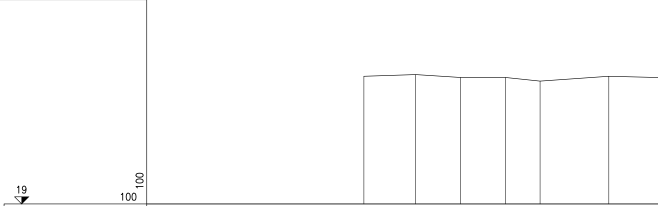


| | | | | | |
|---|---|---|---|---|---|
| | 23.56 | 23.57 | 23.57 | 23.58 | 23.60 |
| | 16.79 | 18.55 | 21.36 | 23.74 | 26.09 |
| | | | | | |
| | | | | | |

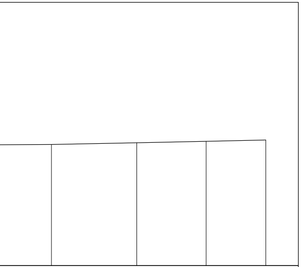
PROFILO CANALAZZO INF.

SEZIONE 14F

PROGRESSIVA 4116



| | | | | | | |
|---|---|---|---|---|---|---|
| QUOTE TERRENO | 23.47 | 23.53 | 23.43 | 23.43 | 23.30 | 23.47 |
| PROGRESSIVE TERRENO | -34.89 | -33.08 | -31.50 | -29.93 | -28.72 | -26.31 |
| QUOTE PROGETTO | | | | | | |
| PROGRESSIVE PROGETTO | | | | | | |

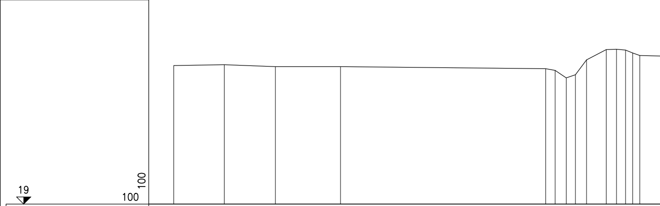


| | | | | |
|---|---|---|---|---|
| | 23.23 | 23.29 | 23.34 | 23.39 |
| | 17.95 | 20.94 | 23.37 | 25.46 |
| | | | | |
| | | | | |

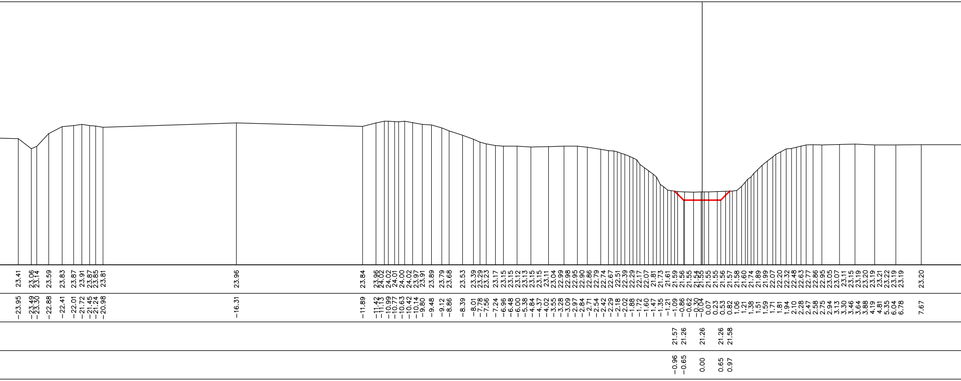
PROFILO CANALAZZO INF.

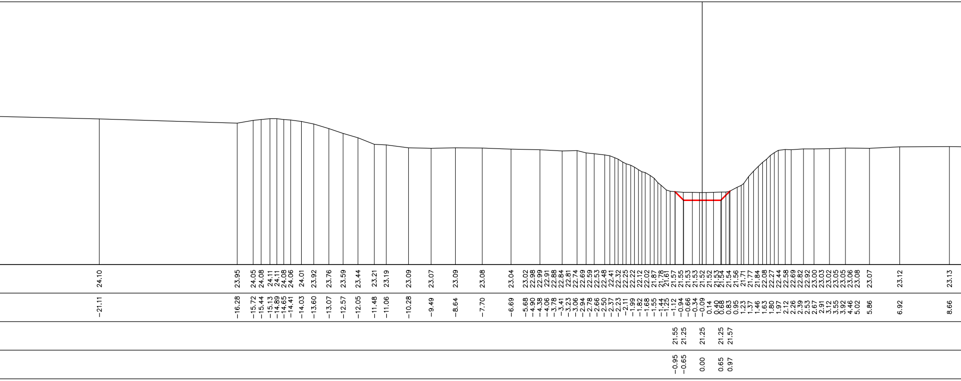
SEZIONE 15F

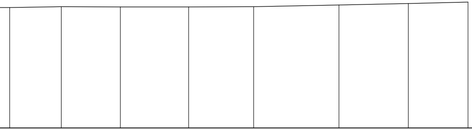
PROGRESSIVA 4199



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QUOTE TERRENO | 23.85 | 23.88 | 23.81 | 23.81 | 23.74 | 23.68 | 23.42 | 23.53 | 24.05 | 24.41 | 24.42 | 24.39 | 24.29 | 24.20 |
| PROGRESSIVE TERRENO | -41.62 | -39.85 | -38.06 | -35.78 | -28.59 | -28.26 | -27.87 | -27.55 | -27.16 | -26.47 | -26.11 | -25.79 | -25.54 | -25.29 |
| QUOTE PROGETTO | | | | | | | | | | | | | | |
| PROGRESSIVE PROGETTO | | | | | | | | | | | | | | |


23.41
23.06
23.14
23.59
23.83
23.87
23.91
23.87
23.85
23.81
23.96
23.84
23.96
24.02
24.02
24.01
24.00
24.02
23.97
23.91
23.89
23.79
23.68
23.53
23.39
23.29
23.23
23.17
23.15
23.15
23.12
23.13
23.15
23.15
23.11
23.04
22.99
22.98
22.95
22.90
22.86
22.79
22.74
22.67
22.51
22.39
22.29
22.17
22.07
21.81
21.73
21.61
21.59
21.56
21.55
21.54
21.55
21.55
21.55
21.56
21.57
21.58
21.60
21.74
21.89
21.99
22.07
22.20
22.32
22.48
22.63
22.77
22.86
22.95
23.05
23.07
23.11
23.15
23.19
23.20
23.19
23.21
23.22
23.19
23.19
23.20
−23.95
−23.49
−23.30
−22.88
−22.41
−22.01
−21.72
−21.45
−21.24
−20.98
−16.31
−11.89
−11.42
−11.13
−10.99
−10.77
−10.63
−10.42
−10.14
−9.80
−9.48
−9.12
−8.86
−8.39
−8.01
−7.78
−7.56
−7.24
−6.96
−6.48
−6.00
−5.38
−4.84
−4.37
−4.02
−3.55
−3.28
−3.09
−2.97
−2.84
−2.71
−2.54
−2.42
−2.29
−2.18
−2.02
−1.88
−1.72
−1.60
−1.47
−1.35
−1.21
−1.09
−0.86
−0.62
−0.30
−0.04
0.07
0.23
0.53
0.82
1.06
1.21
1.38
1.51
1.59
1.71
1.81
1.94
2.10
2.28
2.47
2.58
2.75
2.94
3.13
3.30
3.46
3.64
3.88
4.19
4.81
5.35
6.04
6.78
7.67
21.57
21.26
21.26
21.26
21.58
−0.96
−0.65
0.00
0.65
0.97


24.10
23.95
24.05
24.08
24.11
24.11
24.08
24.06
24.01
23.92
23.76
23.59
23.44
23.21
23.19
23.09
23.07
23.09
23.08
23.04
23.02
22.98
22.99
22.91
22.88
22.84
22.81
22.74
22.69
22.59
22.53
22.48
22.41
22.32
22.25
22.22
22.12
22.02
21.87
21.78
21.61
21.57
21.55
21.53
21.53
21.52
21.52
21.53
21.54
21.54
21.56
21.71
21.77
21.84
22.08
22.27
22.44
22.58
22.69
22.82
22.92
23.00
23.03
23.02
23.05
23.05
23.06
23.08
23.07
23.12
23.13
−21.11
−16.28
−15.72
−15.44
−15.13
−14.89
−14.65
−14.41
−14.03
−13.60
−13.07
−12.57
−12.05
−11.48
−11.06
−10.28
−9.49
−8.64
−7.70
−6.69
−5.68
−4.90
−4.38
−4.06
−3.78
−3.41
−3.23
−3.06
−2.94
−2.78
−2.66
−2.50
−2.37
−2.23
−2.11
−1.99
−1.82
−1.68
−1.55
−1.44
−1.25
−1.12
−0.94
−0.66
−0.34
−0.09
0.14
0.40
0.68
0.83
0.95
1.23
1.37
1.46
1.63
1.80
1.97
2.12
2.26
2.39
2.53
2.67
2.91
3.12
3.55
3.92
4.46
5.02
5.86
6.92
8.66
21.55
21.25
21.25
21.25
21.57
−0.95
−0.65
0.00
0.65
0.97

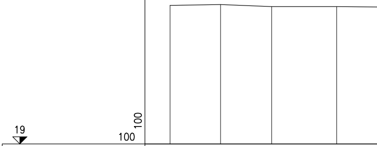
<br>

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23.20 | 23.23 | 23.22 | 23.22 | 23.23 | 23.29 | 23.34 | 23.39 |
| 9.40 | 11.21 | 13.28 | 15.67 | 17.95 | 20.94 | 23.37 | 25.46 |

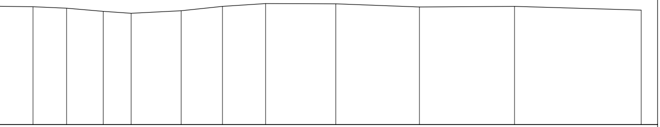
PROFILO CANALAZZO INF.

SEZIONE 15

PROGRESSIVA 4279



| | | | | |
|---|---|---|---|---|
| QUOTE TERRENO | 23.85 | 23.88 | 23.81 | 23.81 |
| PROGRESSIVE TERRENO | -41.62 | -39.85 | -38.06 | -35.78 |
| QUOTE PROGETTO | | | | |
| PROGRESSIVE PROGETTO | | | | |

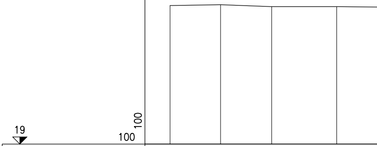


| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 23.11 | 23.06 | 22.95 | 22.88 | 22.97 | 23.12 | 23.22 | 23.21 | 23.10 | 23.12 | 22.99 |
| 10.22 | 11.40 | 12.68 | 13.66 | 15.41 | 16.86 | 18.37 | 20.83 | 23.76 | 27.09 | 31.53 |

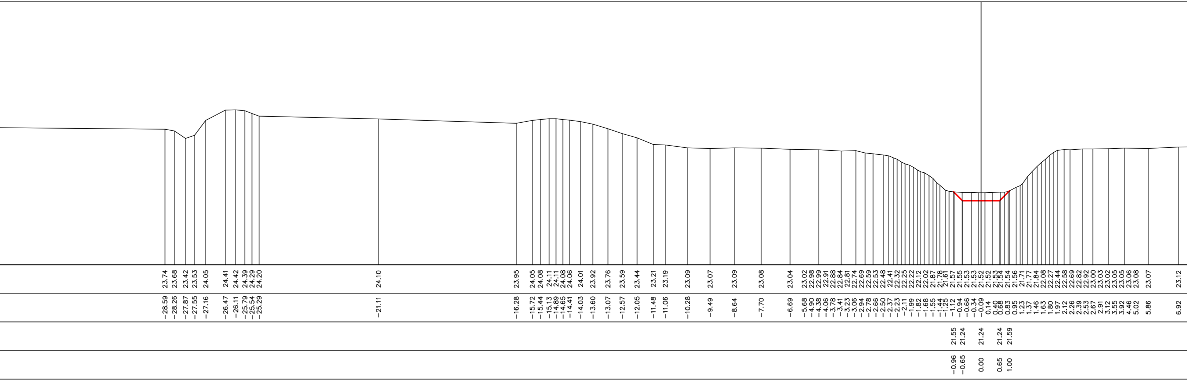
PROFILO CANALAZZO INF.

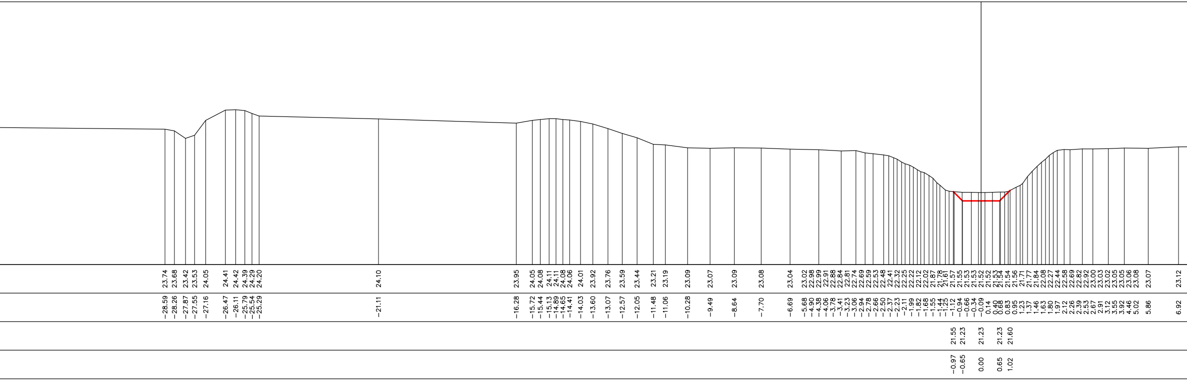
SEZIONE 15F1

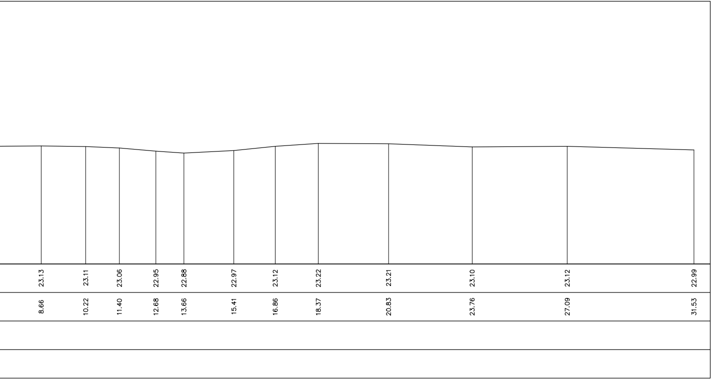
PROGRESSIVA 4341

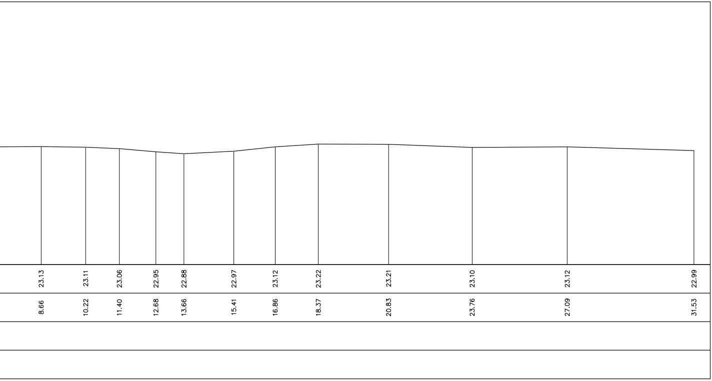


| | | | | |
|---|---|---|---|---|
| QUOTE TERRENO | 23.85 | 23.88 | 23.81 | 23.81 |
| PROGRESSIVE TERRENO | -41.62 | -39.85 | -38.06 | -35.78 |
| QUOTE PROGETTO | | | | |
| PROGRESSIVE PROGETTO | | | | |


23.74
23.68
23.42
23.53
24.05
24.41
24.42
24.39
24.29
24.20
24.10
23.95
24.05
24.08
24.11
24.11
24.08
24.06
24.01
23.92
23.76
23.59
23.44
23.21
23.19
23.09
23.07
23.09
23.08
23.04
23.02
22.98
22.99
22.91
22.88
22.84
22.81
22.74
22.69
22.59
22.53
22.48
22.41
22.32
22.25
22.22
22.12
22.02
21.87
21.78
21.61
21.57
21.55
21.53
21.53
21.52
21.52
21.53
21.54
21.54
21.56
21.71
21.77
21.84
22.08
22.27
22.44
22.58
22.69
22.82
22.92
23.00
23.03
23.02
23.05
23.05
23.06
23.08
23.07
23.12
−28.59
−28.26
−27.87
−27.55
−27.16
−26.47
−26.11
−25.79
−25.54
−25.29
−21.11
−16.28
−15.72
−15.44
−15.13
−14.89
−14.65
−14.41
−14.03
−13.60
−13.07
−12.57
−12.05
−11.48
−11.06
−10.28
−9.49
−8.64
−7.70
−6.69
−5.68
−4.90
−4.38
−4.06
−3.78
−3.41
−3.23
−3.06
−2.94
−2.78
−2.66
−2.50
−2.37
−2.23
−2.11
−1.99
−1.82
−1.68
−1.55
−1.44
−1.25
−1.12
−0.94
−0.66
−0.34
−0.09
0.14
0.40
0.68
0.83
0.95
1.23
1.37
1.46
1.63
1.80
1.97
2.12
2.26
2.39
2.53
2.67
2.91
3.12
3.55
3.92
4.46
5.02
5.86
6.92
21.55
21.24
21.24
21.24
21.59
−0.96
−0.65
0.00
0.65
1.00


23.74
23.68
23.42
23.53
24.05
24.41
24.42
24.39
24.29
24.20
24.10
23.95
24.05
24.08
24.11
24.11
24.08
24.06
24.01
23.92
23.76
23.59
23.44
23.21
23.19
23.09
23.07
23.09
23.08
23.04
23.02
22.98
22.99
22.91
22.88
22.84
22.81
22.74
22.69
22.59
22.53
22.48
22.41
22.32
22.25
22.22
22.12
22.02
21.87
21.78
21.61
21.57
21.55
21.53
21.53
21.52
21.52
21.53
21.54
21.54
21.56
21.71
21.77
21.84
22.08
22.27
22.44
22.58
22.69
22.82
22.92
23.00
23.03
23.02
23.05
23.05
23.06
23.08
23.07
23.12
−28.59
−28.26
−27.87
−27.55
−27.16
−26.47
−26.11
−25.79
−25.54
−25.29
−21.11
−16.28
−15.72
−15.44
−15.13
−14.89
−14.65
−14.41
−14.03
−13.60
−13.07
−12.57
−12.05
−11.48
−11.06
−10.28
−9.49
−8.64
−7.70
−6.69
−5.68
−4.90
−4.38
−4.06
−3.78
−3.41
−3.23
−3.06
−2.94
−2.78
−2.66
−2.50
−2.37
−2.23
−2.11
−1.99
−1.82
−1.68
−1.55
−1.44
−1.25
−1.12
−0.94
−0.66
−0.34
−0.09
0.14
0.40
0.68
0.83
0.95
1.23
1.37
1.46
1.63
1.80
1.97
2.12
2.26
2.39
2.53
2.67
2.91
3.12
3.55
3.92
4.46
5.02
5.86
6.92
21.55
21.23
21.23
21.23
21.60
−0.97
−0.65
0.00
0.65
1.02


23.13
23.11
23.06
22.95
22.88
22.97
23.12
23.22
23.21
23.10
23.12
22.99
8.66
10.22
11.40
12.68
13.66
15.41
16.86
18.37
20.83
23.76
27.09
31.53


23.13
23.11
23.06
22.95
22.88
22.97
23.12
23.22
23.21
23.10
23.12
22.99
8.66
10.22
11.40
12.68
13.66
15.41
16.86
18.37
20.83
23.76
27.09
31.53

7.9.X - OC168.PE0 - SCanalazzoInf - Profilo e Sezioni 1=0.1