# ENTE ACQUE UMBRE-TOSCANE

AREZZO

## SISTEMA MONTEDOGLIO IN TERRITORIO TOSCANO ED UMBRO

## PROGETTO ATTUATIVO PER IL COMPLETAMENTO E L'OTTIMIZZAZIONE TRAMITE POTENZIAMENTO E RECUPERO DI EFFICIENZA DELLE RETI IDRICHE INFRASTRUTTURALI DI ACCUMULO E ADDUZIONE

## III° STRALCIO - II° SUB STRALCIO

PROGETTO ESECUTIVO

| REV. | DATA | DESCRIZIONE | RED. | VER. |
|---|---|---|---|---|
| 4 | | | | |
| 3 | | | | |
| 2 | | | | |
| 1 | 040219 | REVISIONE N.1 | | |
| 0 | 150517 | PRIMA EMISSIONE | | |

TITOLO ELABORATO: **B.4.6**

## PROFILO LONGITUDINALE

COLLEGAMENTO NODO U - NODO 27A

TAV. 2 DI 4

PROGETTO N°

ELABORATO

BTT04
060

SCALA:

SOSTITUISCE ELAB.

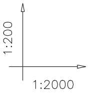
PROGETTISTA
Ing. Thomas CERBINI

RESPONSABILE DEL PROCEDIMENTO
Ing. Andrea CANALI

COLLABORATORI

Arch. Andrea CARDELLI
Ing. Francesco VITAGLIANI
Ing. Nicoletta VITALE
Geom. Marco ORLANDO
Geom. Leonardo TAVANTI
Geom. Fabio GRAZI
Geom. Lisa MORETTI

| | |
|---|---|
| Msf | **Manufatto di sfiato** |
| Msc | **Manufatto di scarico** |
| Dir | **Manufatto di diramazione** |
| SZ | **Manufatto di sezionamento** |
| SM | **Pozzetto di smorzamento** |
| FS | **Attraversamento ferroviario** |
| SS | **Attraversamento strada statale** |
| SP | **Attraversamento strada provinciale** |
| SC | **Attraversamento strade comunali e vicinali** |
| S | **Attraversamento strada campestre** |
| F | **Attraversamento di corsi d'acqua** |
| FM | **Attraversamento di fossi minori** |



DIAMETRO – SPESSO

LIVELLETTE

MANUFATTI

SEZIONI

VERTICI PLANIMETRICI

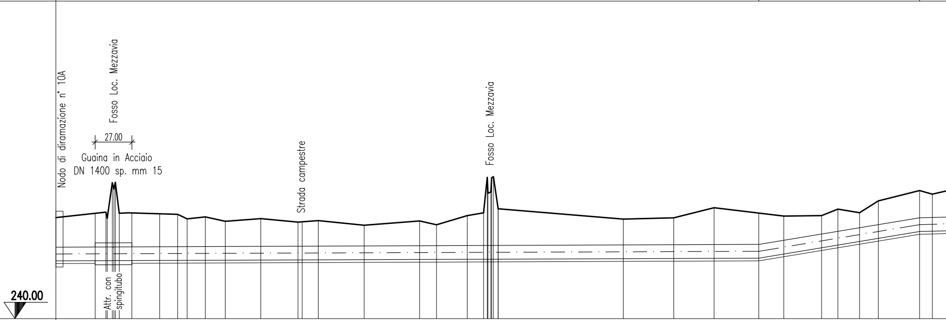
DEVIAZIONI PLANIMETRI

VERTICI ALTIMETRICI

QUOTE

DISTANZE

| ORE — MATERIALE | DN 1000 s = 8.8 mm Acciaio S355 JR | |
|---|---|---|
| LUNGHEZZE SVILUPPATE | 513.77 | 117.49 |
| DISTANZE ORIZZONTALI | 513.77 | 117.47 |
| DISLIVELLO | 0.10 | 1.94 |
| PENDENZA | 0.000195 | 0.016515 |



Dir 10 F S F

91 92 93 94 9596 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118

Dir 10

ICHE

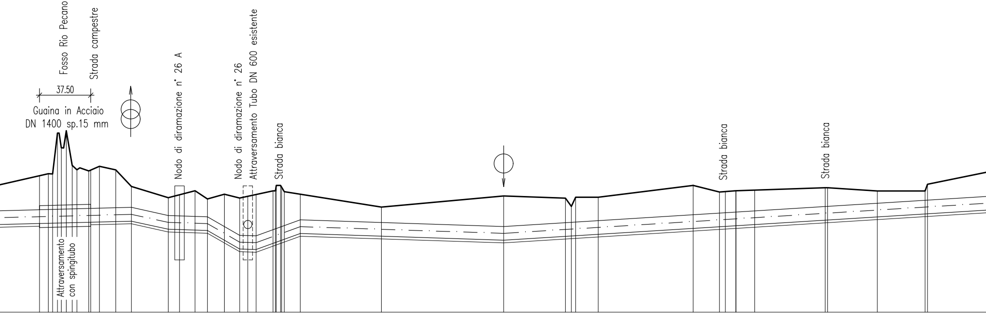
6.1

| | TERRENO | ASSE TUBO | FONDO SCAVO | PROGRESSIVE |
|---|---|---|---|---|
| 91 | 247.38 | 244.72 | 244.02 | 1482.38 |
| 92 | 247.69 | 244.73 | 244.03 | 1511.04 |
| 93 | 247.72 | 244.74 | 244.04 | 1537.92 |
| 94 | 247.65 | 244.75 | 244.05 | 1558.16 |
| 95 | 247.61 | 244.75 | 244.05 | 1571.36 |
| 96 | 247.29 | 244.76 | 244.06 | 1578.25 |
| 97 | 247.43 | 244.76 | 244.06 | 1591.56 |
| 98 | 247.11 | 244.77 | 244.07 | 1606.12 |
| 99 | 247.30 | 244.78 | 244.08 | 1632.12 |
| 100 | 247.04 | 244.79 | 244.09 | 1659.34 |
| 101 | 247.15 | 244.79 | 244.09 | 1674.13 |
| 102 | 246.82 | 244.81 | 244.11 | 1707.63 |
| 103 | 247.13 | 244.82 | 244.12 | 1748.23 |
| 104 | 246.86 | 244.83 | 244.13 | 1760.55 |
| 105 | 247.52 | 244.84 | 244.14 | 1782.97 |
| 106 | 247.73 | 244.84 | 244.14 | 1794.91 |
| 107 | 248.02 | 244.84 | 244.14 | 1805.64 |
| 108 | 247.26 | 244.88 | 244.18 | 1897.04 |
| 109 | 247.36 | 244.89 | 244.19 | 1933.98 |
| 110 | 248.10 | 244.90 | 244.20 | 1963.45 |
| 111 | 247.70 | 244.92 | 244.22 | 1996.15 |
| 112 | 247.48 | 245.22 | 244.52 | 2014.37 |
| 113 | 247.52 | 245.67 | 244.97 | 2041.96 |
| 114 | 247.99 | 245.87 | 245.17 | 2053.93 |
| 115 | 247.73 | 246.13 | 245.43 | 2069.79 |
| 116 | 248.60 | 246.36 | 245.67 | 2083.48 |
| 117 | 249.35 | 246.86 | 246.16 | 2113.62 |
| 118 | 249.09 | 246.88 | 246.18 | 2122.92 |

| PARZIALI | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28.66 | 26.88 | 20.24 | 13.20 | 6.88 | 13.31 | 14.56 | 26.01 | 27.22 | 14.79 | 26.18 | 7.31 | 40.61 | 12.32 | 22.42 | 11.94 | 10.74 | 91.39 | 36.95 | 29.47 | 32.70 | 18.22 | 27.59 | 11.97 | 15.86 | 13.68 | 30.14 | 9.30 |

DN 1000

| | | | |
|---|---|---|---|
| 115.31 | 26.92 | 245.05 | 451.03 |
| 115.31 | 26.91 | 245.04 | 451.02 |
| 0.31 | −0.60 | −0.80 | 2.81 |
| 0.002688 | −0.02229 | −0.003265 | 0.006230 |



S F S Msf Dir 26 A Dir 26 S Msc FM S S

119 120 121 122 123 **124** 124A 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143

Dir 26

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.2 | | | | 6.3 | 6.4 | | | | | | | | | | | 6.5 | | | | | | | | | | |
| 249.98 | 250.38 | 250.66 | 250.40 | 249.19 | 248.37 | 248.58 | 248.88 | 248.28 | 248.62 | 248.34 | 248.60 | 249.26 | 248.81 | 248.62 | 247.69 | 248.49 | 248.34 | 247.73 | 248.40 | 249.26 | 248.78 | 248.83 | 248.92 | 249.09 | 248.86 | 248.86 |
| 246.98 | 247.07 | 247.09 | 247.12 | 247.15 | 246.57 | 246.54 | 246.50 | 246.47 | 245.76 | 245.12 | 245.08 | 245.72 | 245.83 | 246.25 | 246.06 | 245.76 | 246.04 | 246.07 | 246.19 | 246.63 | 246.75 | 246.78 | 246.91 | 247.23 | 247.46 | 247.68 |
| 246.18 | 246.27 | 246.40 | 246.44 | 246.45 | 245.87 | 245.84 | 245.80 | 245.77 | 245.06 | 244.42 | 244.38 | 245.03 | 245.13 | 245.55 | 245.36 | 245.06 | 245.34 | 245.37 | 245.49 | 245.93 | 246.05 | 246.08 | 246.21 | 246.53 | 246.76 | 246.98 |
| 2161.81 | 2199.26 | 2205.60 | 2217.52 | 2228.93 | 2255.84 | 2264.12 | 2275.39 | 2284.51 | 2296.85 | 2308.06 | 2320.06 | | 2338.67 | 2350.32 | 2411.55 | 2500.88 | 2546.00 | 2550.35 | 2570.00 | 2639.35 | 2658.59 | 2670.60 | 2684.30 | 2735.74 | 2773.91 | 2808.72 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38.90 | 37.45 | 6.34 | 11.92 | 11.41 | 26.91 | 8.28 | 11.28 | 9.12 | 12.34 | 11.21 | 12.00 | 18.61 | 11.66 | 61.22 | 89.33 | 45.12 | 4.35 | 19.65 | 69.35 | 19.24 | 12.01 | 13.70 | 51.45 | 38.17 | 34.82 | 50.02 |

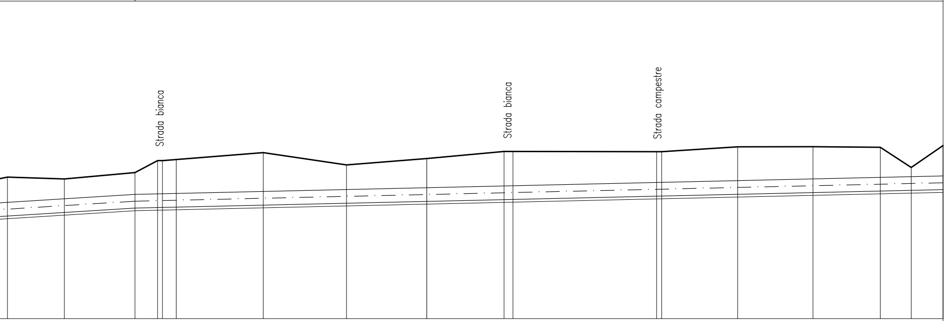
s = 8.8 mm Acciaio S355 JR

590.64

590.65

1.34

0.002269



| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S | | | | | S | | S | | | | | | |
| 144 | 145 | 146 | 147 | | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 |
| | | | | 7 | | | | | | | | | | | | |
| | | | | 202c5835 | | | | | | | | | | | | |
| | | 6.6 | | | | | | | | | | | | | | |
| 250.33 | 250.20 | 250.66 | 251.53 | | 252.12 | 251.22 | 251.69 | 252.20 | 252.20 | 252.19 | 252.19 | 252.55 | 252.55 | 252.51 | 251.03 | 252.63 |
| 247.99 | 248.25 | 248.57 | 248.62 | | 248.79 | 248.92 | 249.06 | 249.19 | 249.20 | 249.44 | 249.45 | 249.58 | 249.70 | 249.81 | 249.86 | 249.92 |
| 247.29 | 247.55 | 247.87 | 247.92 | | 248.09 | 248.22 | 248.36 | 248.49 | 248.50 | 248.74 | 248.75 | 248.88 | 249.00 | 249.11 | 249.16 | 249.22 |
| | 41.51 | 51.65 | 20.08 | | 73.66 | 60.93 | 58.64 | 56.45 | 6.55 | 105.00 | 3.70 | 55.60 | 55.03 | 49.19 | 22.59 | 23.22 |
| 2858.74 | 2900.25 | 2951.90 | 2971.98 | | 3045.64 | 3106.57 | 3165.21 | 3221.66 | 3228.21 | 3333.21 | 3336.91 | 3392.51 | 3447.54 | 3496.73 | 3519.32 | 3542.55 |