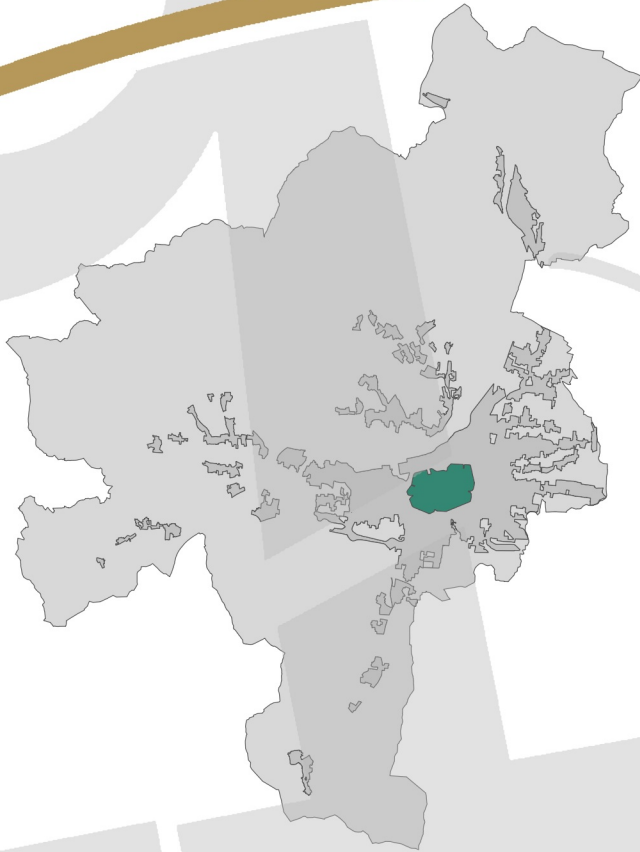




Città
di Lucca

La casa
della Città

il Piano Operativo



Quadro geologico - tecnico

**ALL. I3 - Idraulica - Simulazioni
sul sistema di Ponte a Moriano-Saltocchio**

Assessore all'Urbanistica

Serena Mammini

Sindaco

Alessandro Tambellini

Adozione

MODELLI IDRAULICI MONODIMENSIONALI

Si riportano gli output forniti dal codice di calcolo Hec-Ras 5.0.6 sul reticolo idraulico con simulazione del deflusso trentennale e duecentennale. Si allegano

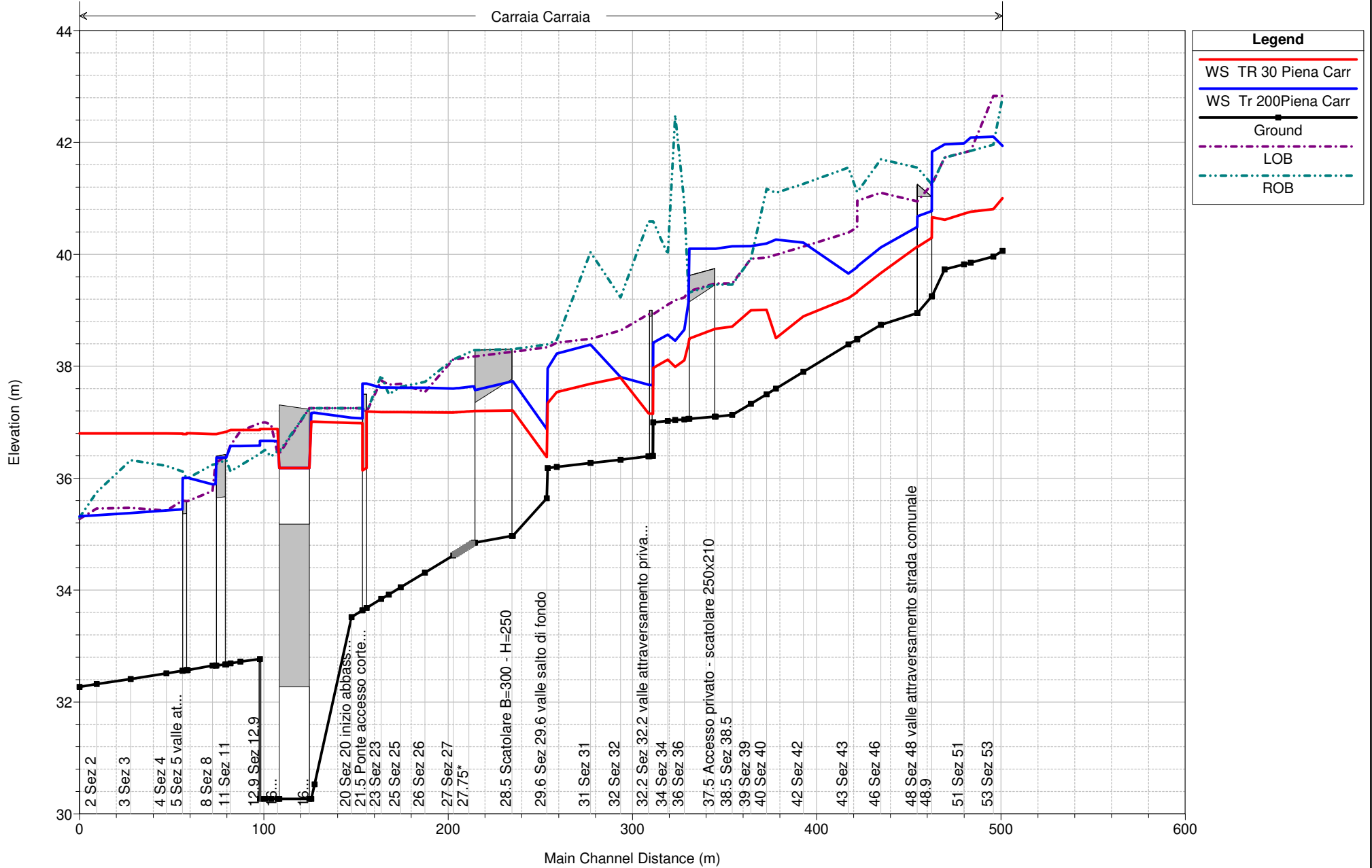
- I profili;
- Le sezioni dei corsi d'acqua;
- L'output tabellare con i risultati delle simulazioni svolte.

LEGENDA DELLE TABELLE

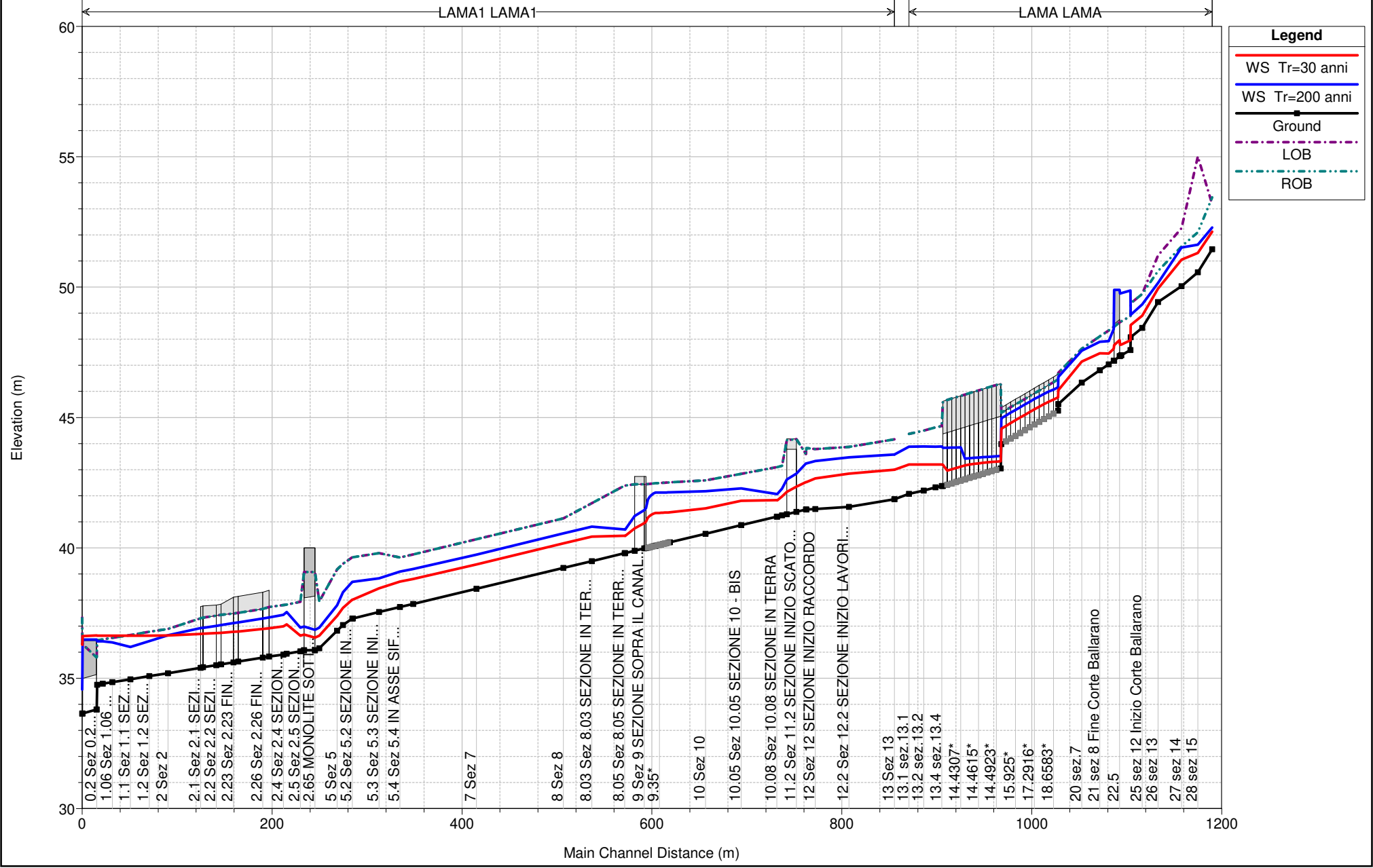
Le grandezze riportate in tabella hanno il seguente significato:

- **River station** Sezione trasversale del corso d'acqua
- **Q Total** Portata idraulica
- **Min Ch Elev** Quota del fondo rispetto al prescelto sistema di riferimento
- **W.S. Elev** Quota del pelo libero rispetto al prescelto sistema di riferimento
- **Max Chl Dpth** Tirante idraulico massimo (differenza dei termini W.S Elev e il termine Min Ch Elev)
- **LOB Elev** Quota della sommità arginale sinistra rispetto al prescelto sistema di riferimento
- **ROB Elev** Quota della sommità arginale destra rispetto al prescelto sistema di riferimento
- **L.Freeboard** Franco sinistro: differenza fra il termine LOB Elev e il termine W.S Elev
- **R.Freeboard** Franco destro: differenza fra il termine ROB Elev e il termine W.S Elev
- **Vel Chnl** Velocità media della corrente
- **Froude n.** Numero di Froude: se maggiore di 1 indica la presenza di corrente veloce, se inferiore a 1 segnala la presenza di corrente lenta

Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni
 Geom: Progetto Lama-Maltempo Lotto 5 mod agg Flow: Progetto Lama-Maltempo intero piena Serc

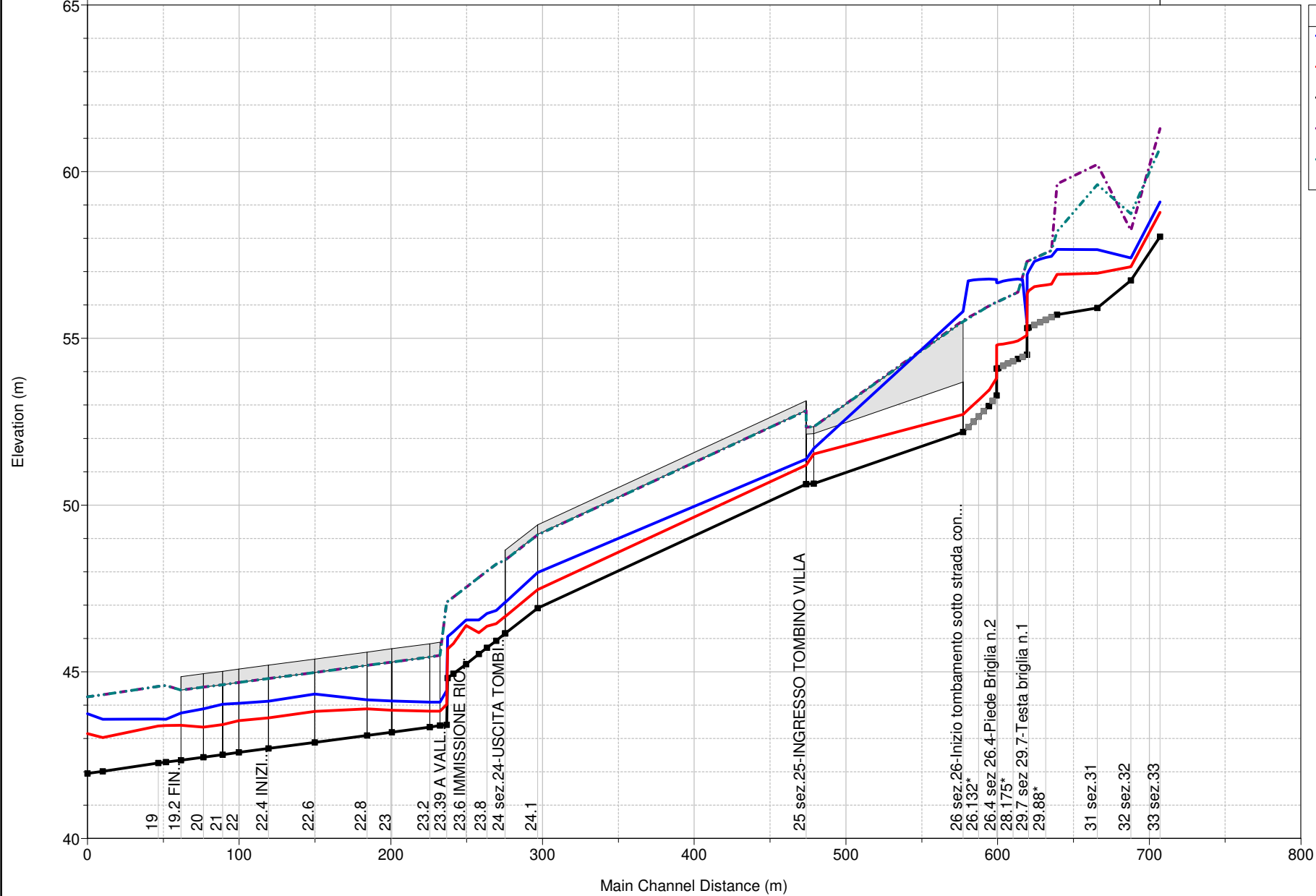


Legend

- WS Tr=30 anni
- WS Tr=200 anni
- Ground
- LOB
- ROB

Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni
 Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

MALTEMPO MALTEMPO

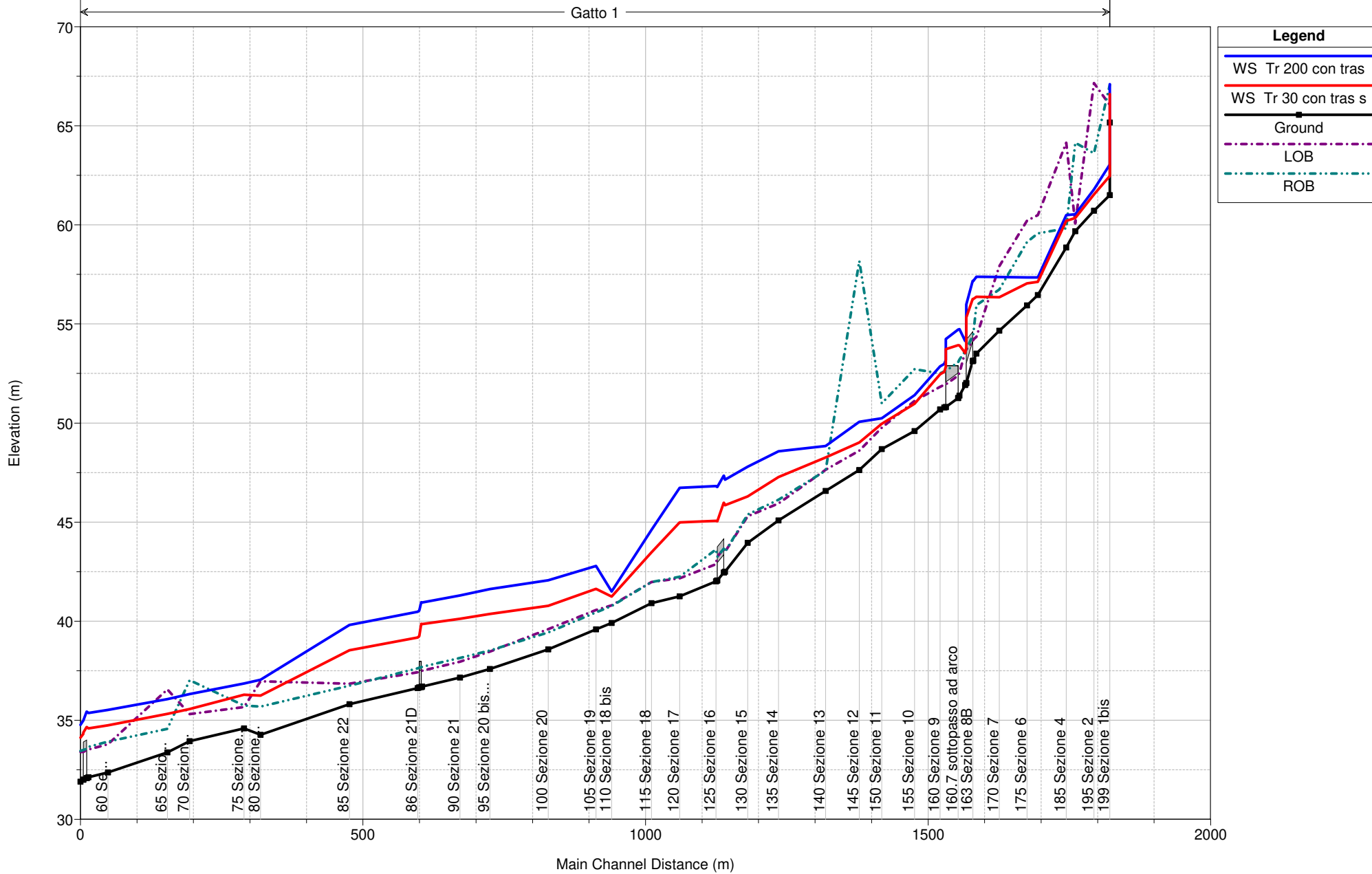


Legend

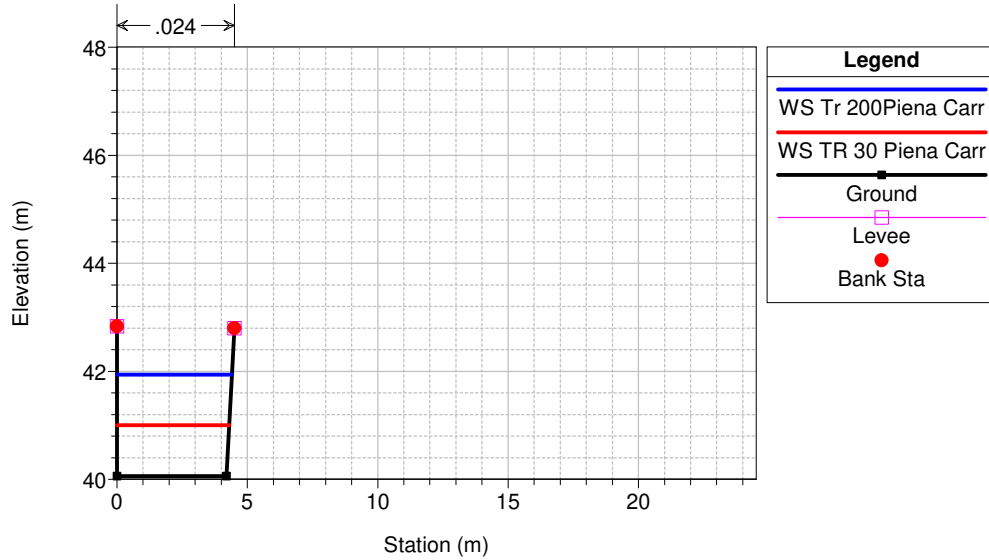
- WS Tr=200 anni
- WS Tr=30 anni
- Ground
- LOB
- ROB

Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido

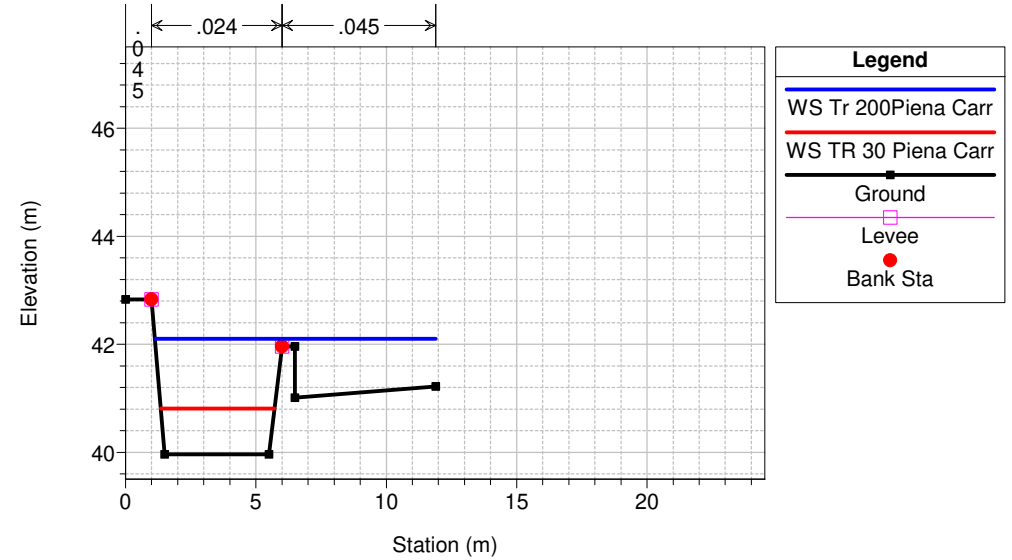
Gatto 1



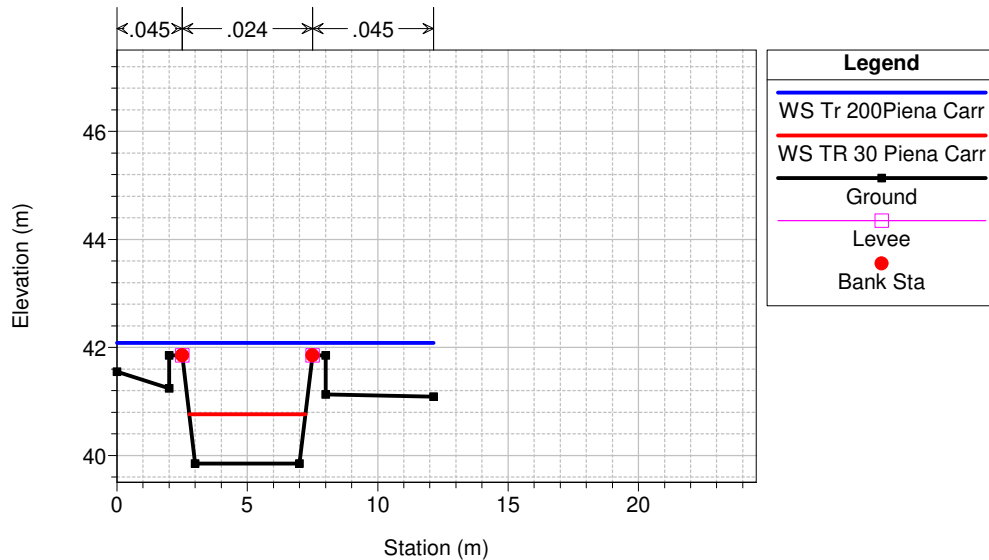
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 54 Sez 54



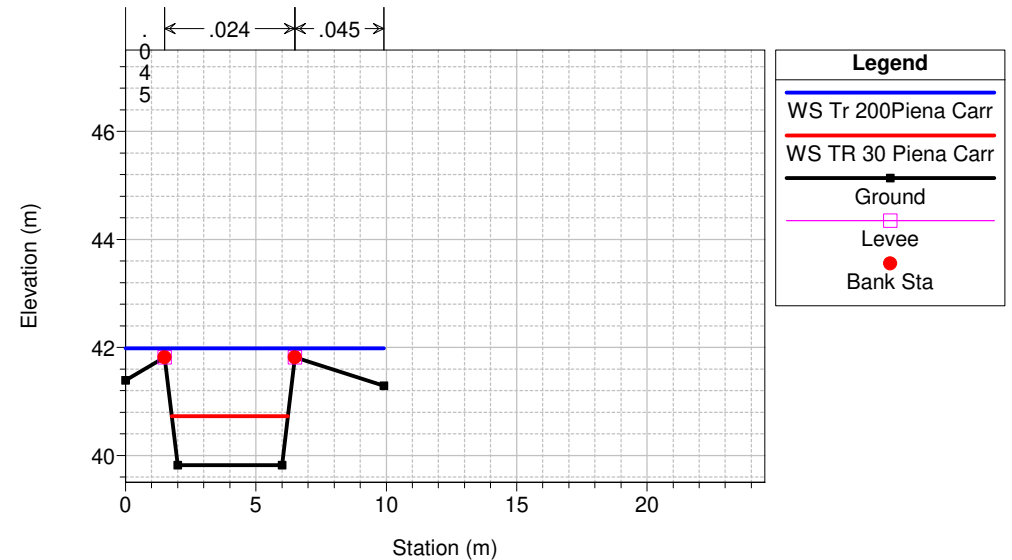
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 53 Sez 53



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 52 Sez 52

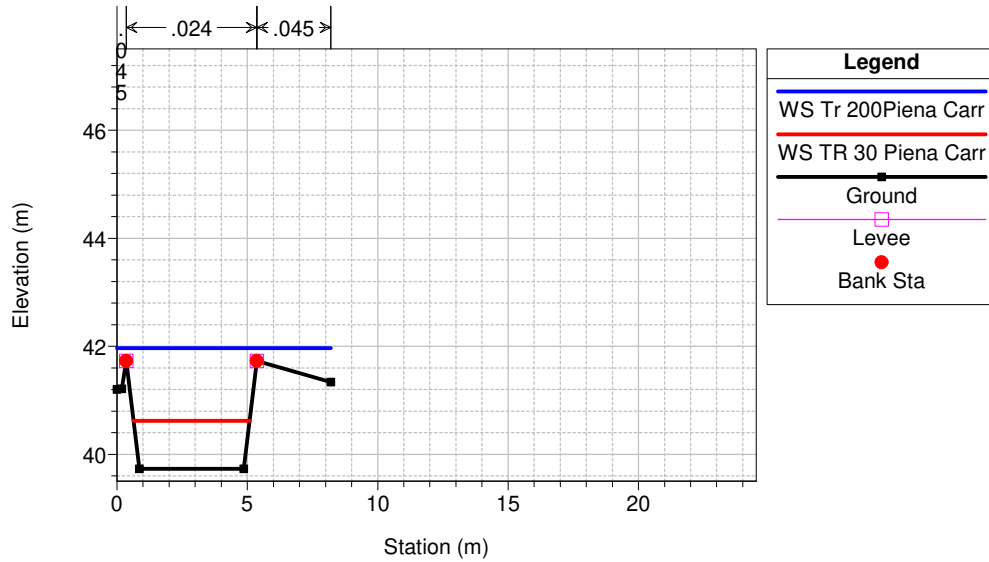


Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 51 Sez 51

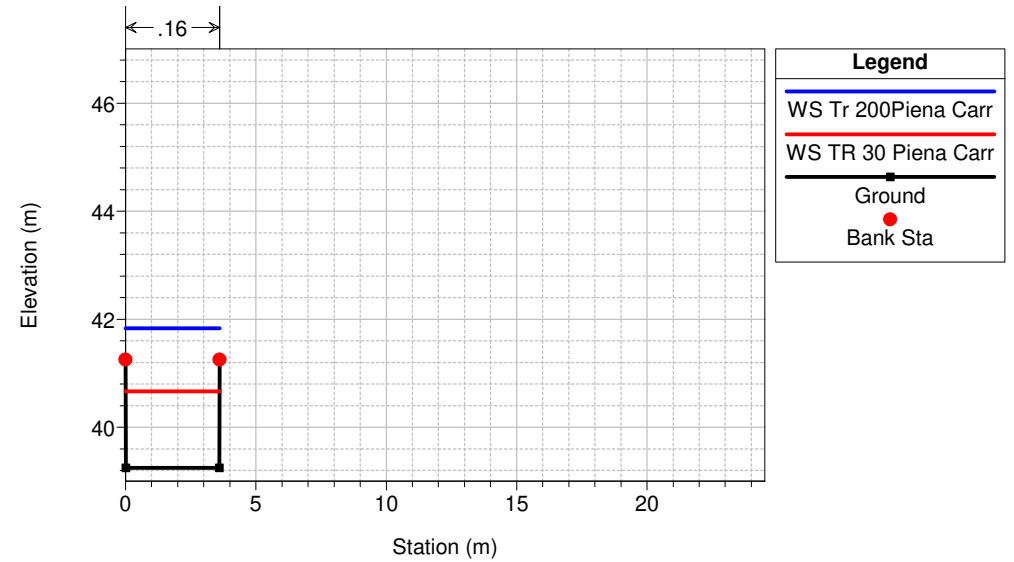


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

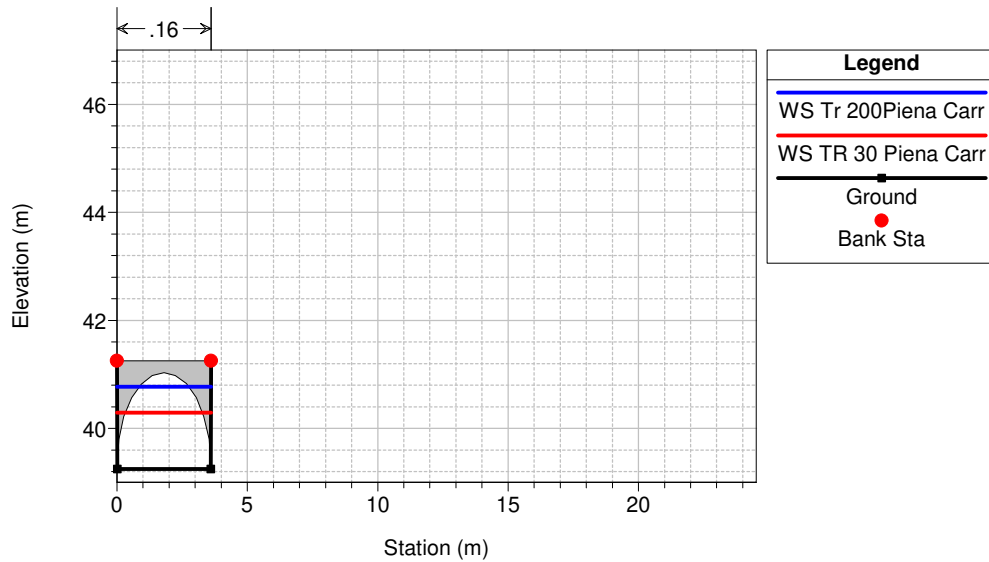
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 50 Sez 50



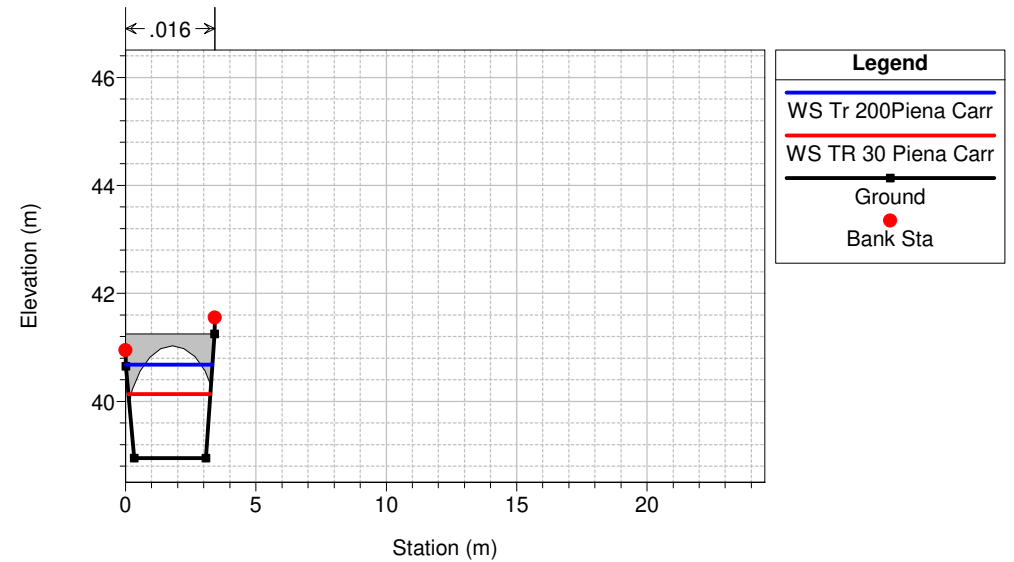
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 49 Sez 49 monte attraversamento strada comunale



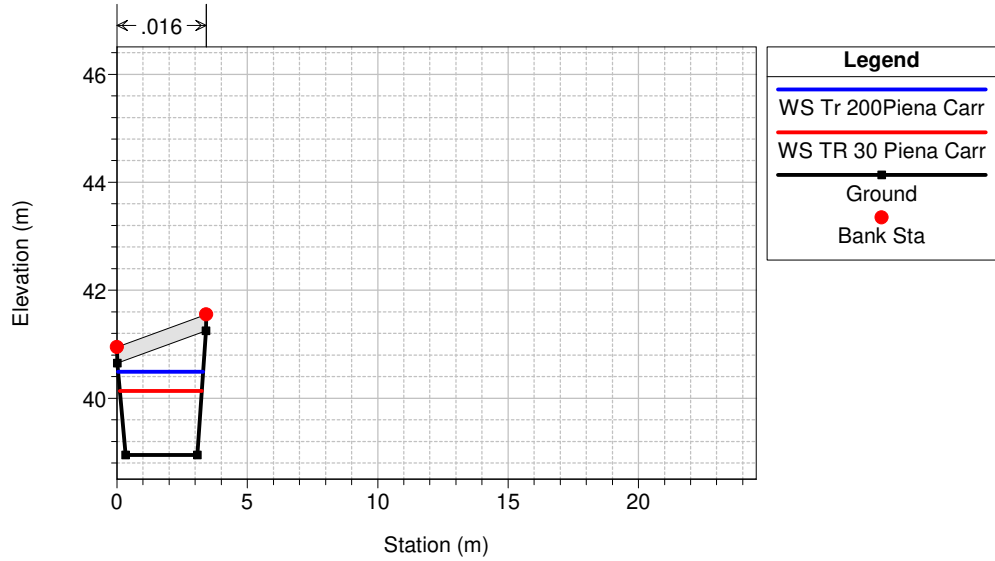
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 48.9 BR



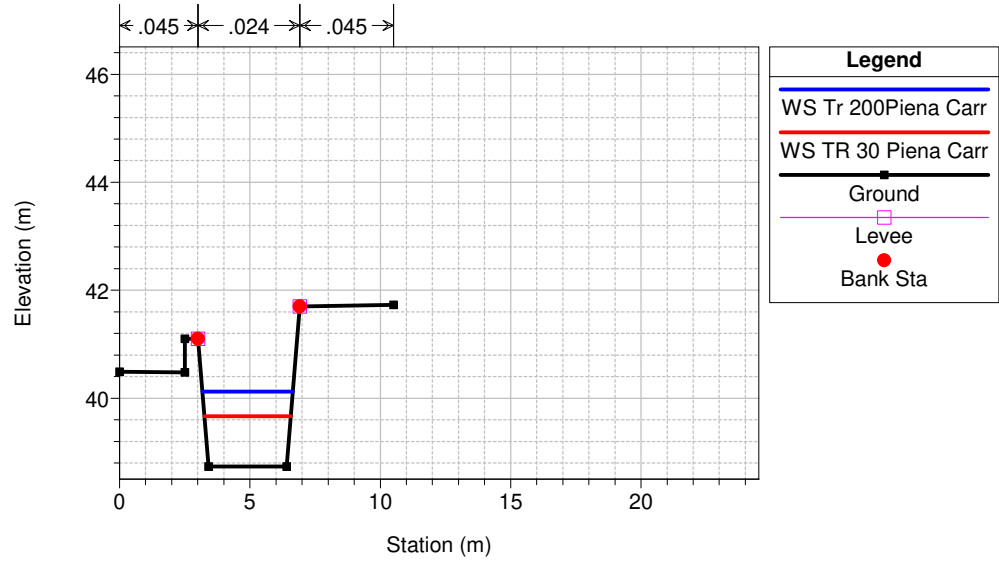
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 48.9 BR



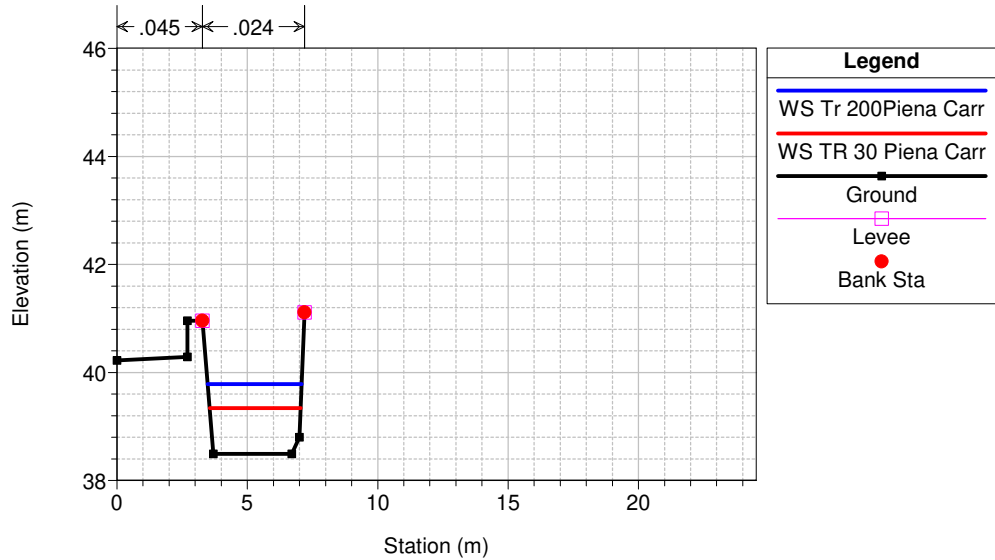
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 48 Sez 48 valle attraversamento strada comunale



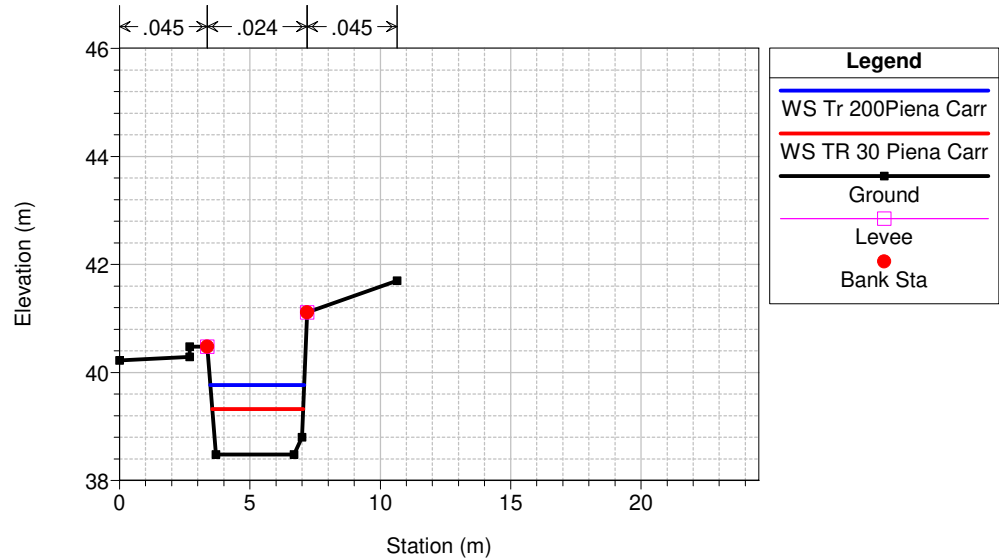
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 46 Sez 46



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 45 Sez 45

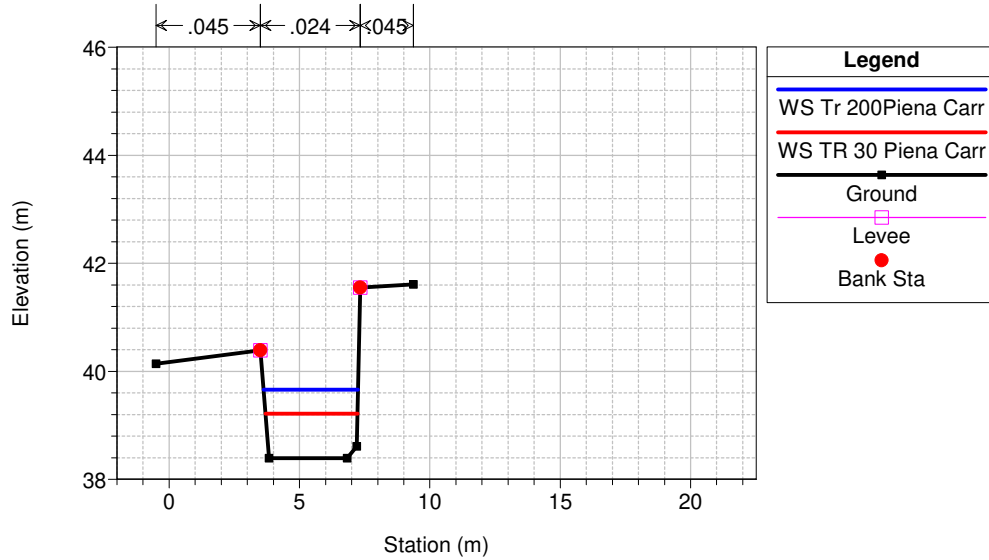


Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 44 Sez 44

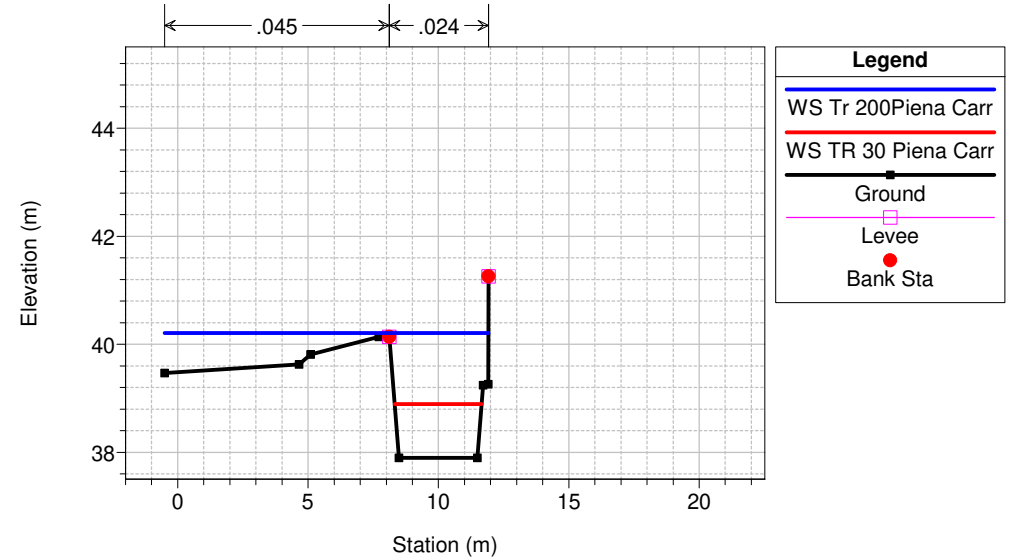


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

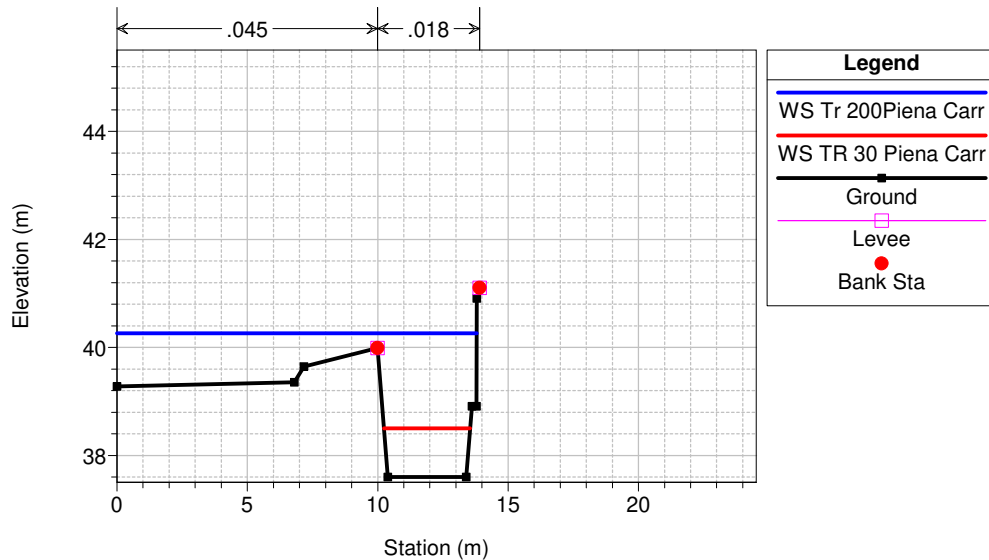
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 43 Sez 43



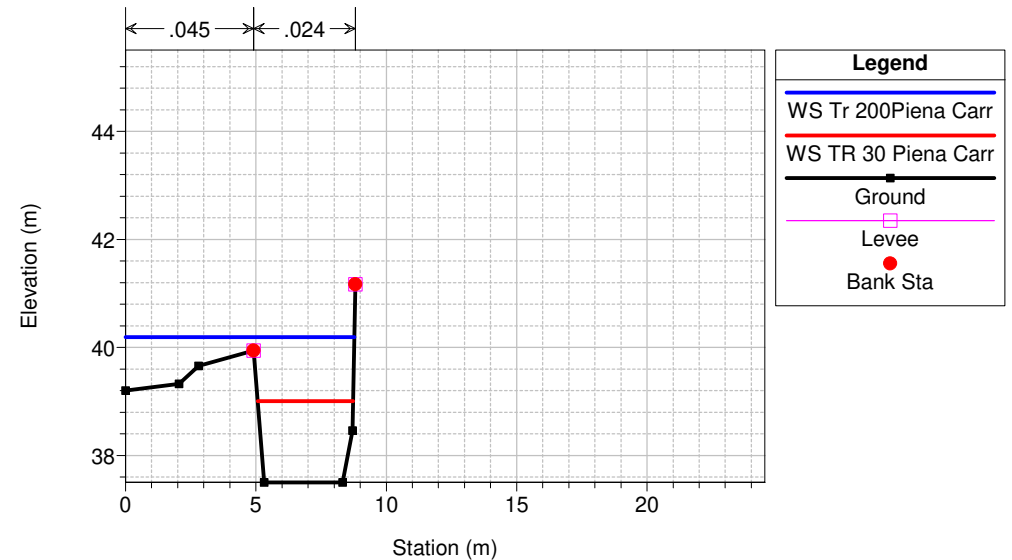
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 42 Sez 42



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 41 Sez 41

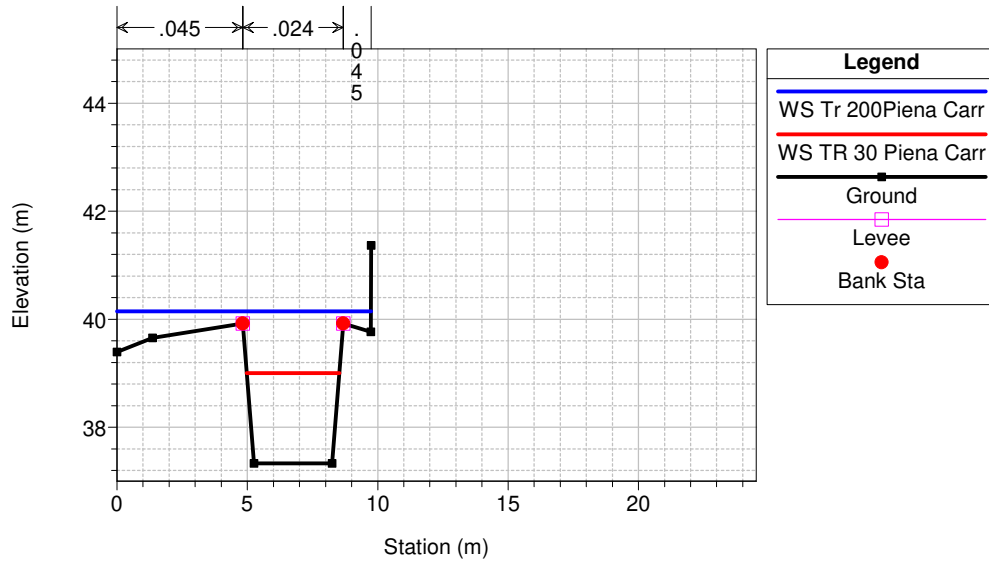


Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 40 Sez 40

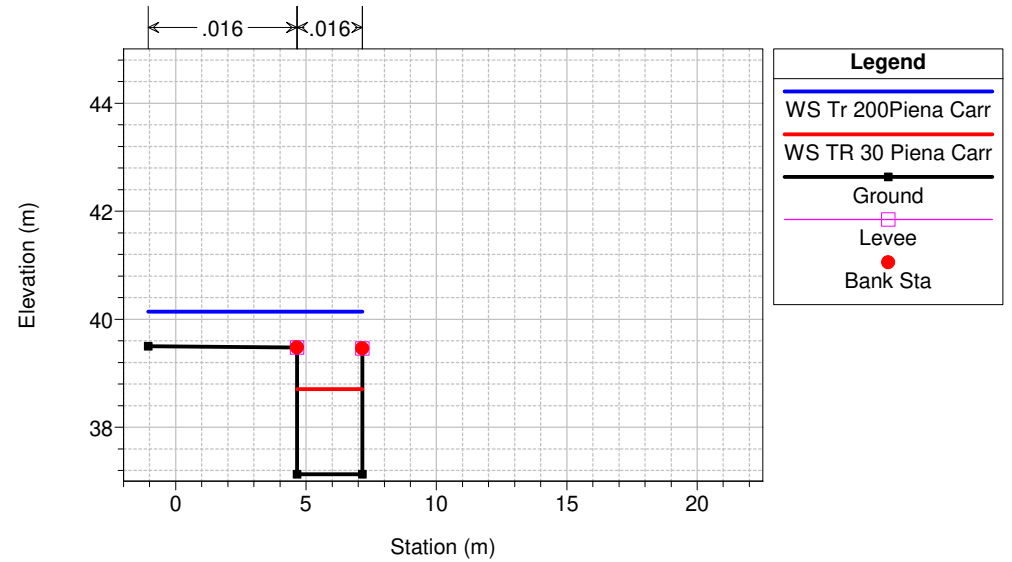


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

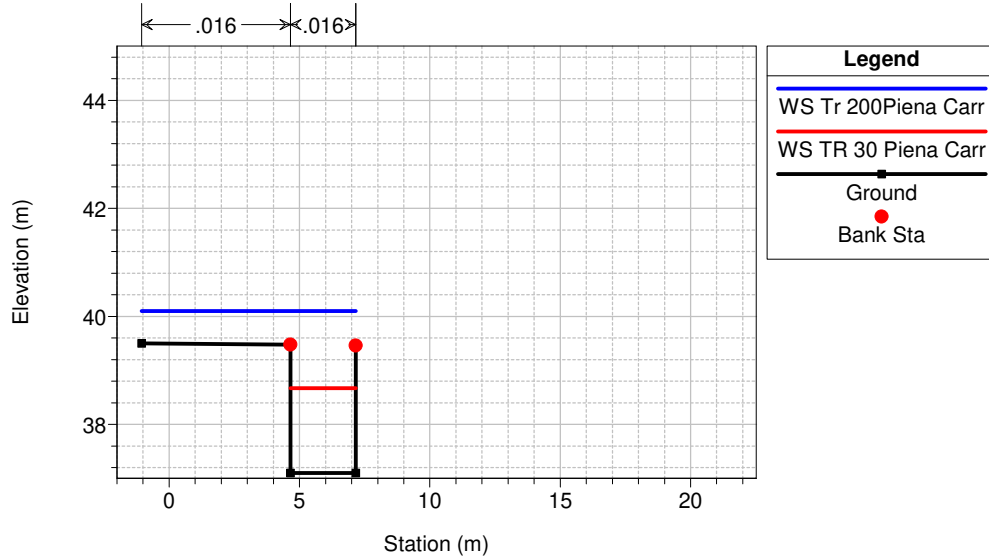
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 39 Sez 39



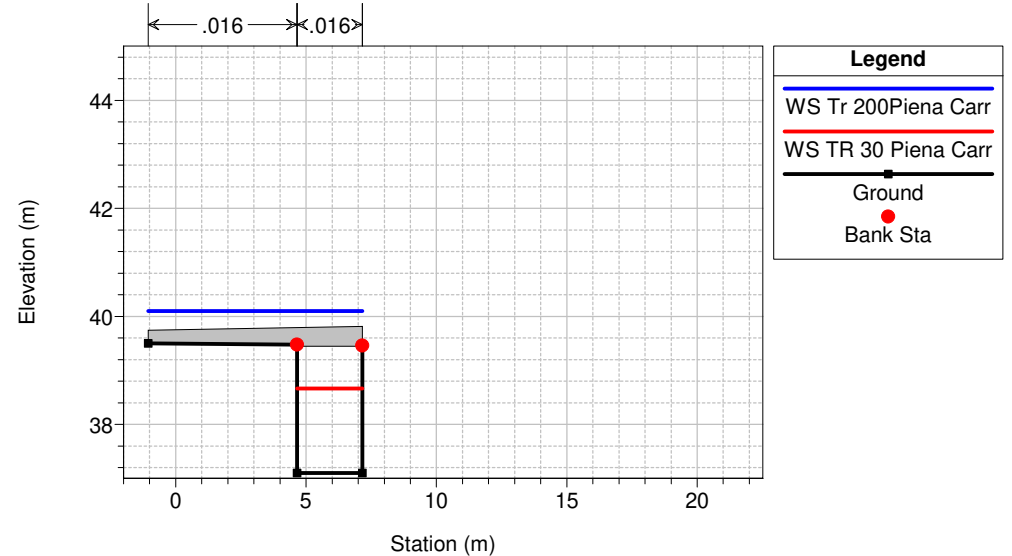
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 38.5 Sez 38.5



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 38 Sez 38 monte attraversamento privato

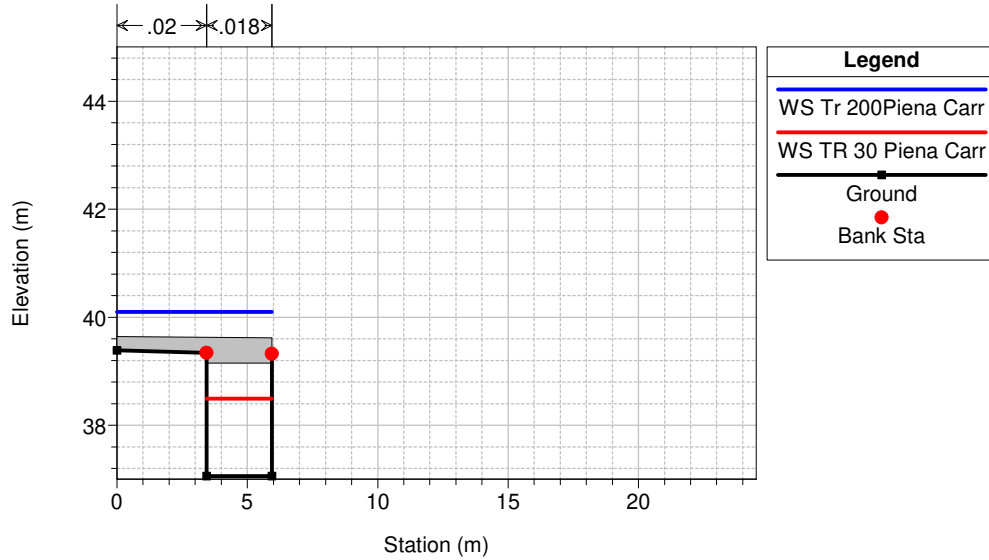


Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 37.5 BR Accesso privato - scatolare 250x210

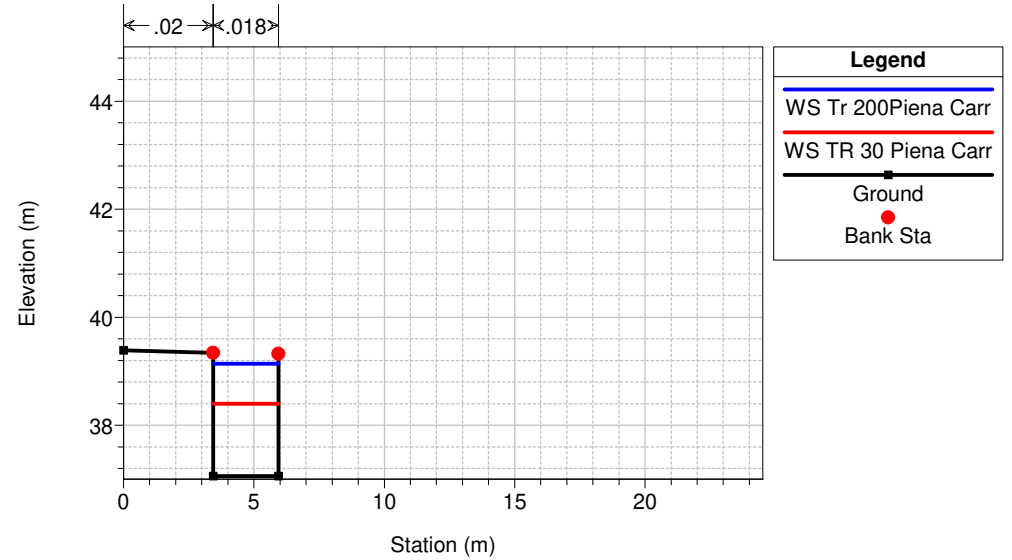


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

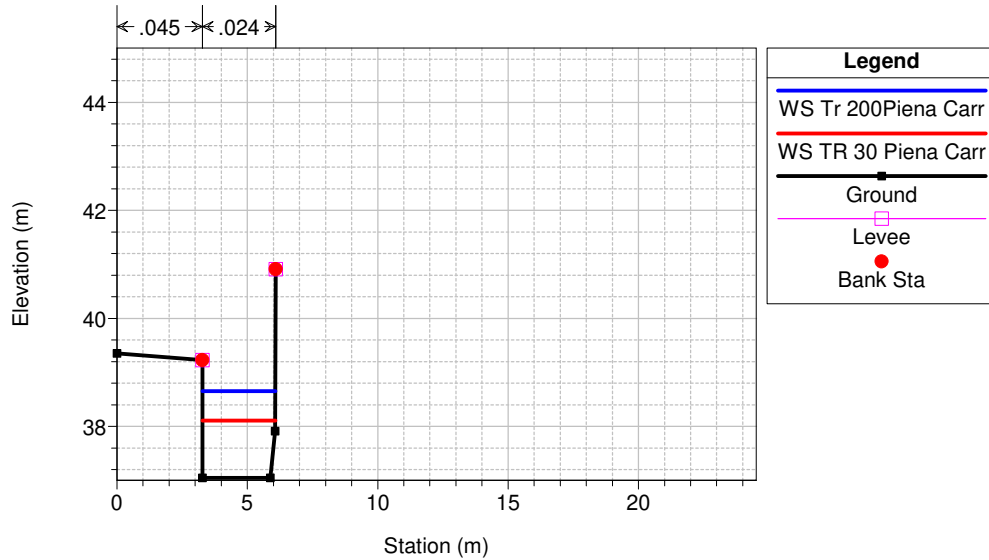
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 37.5 BR Accesso privato - scatarolare 250x210



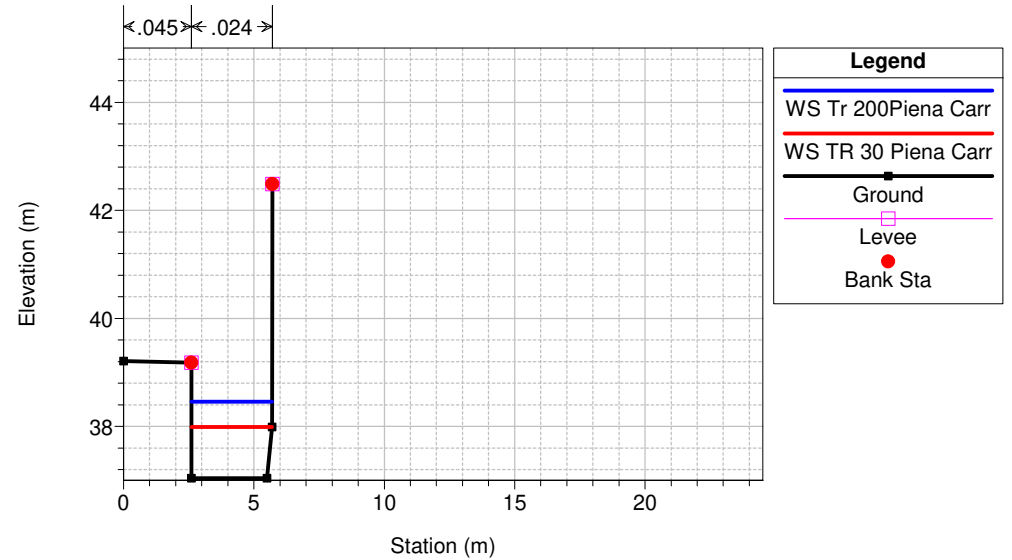
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 37 Sez 37 valle attraversamento privato



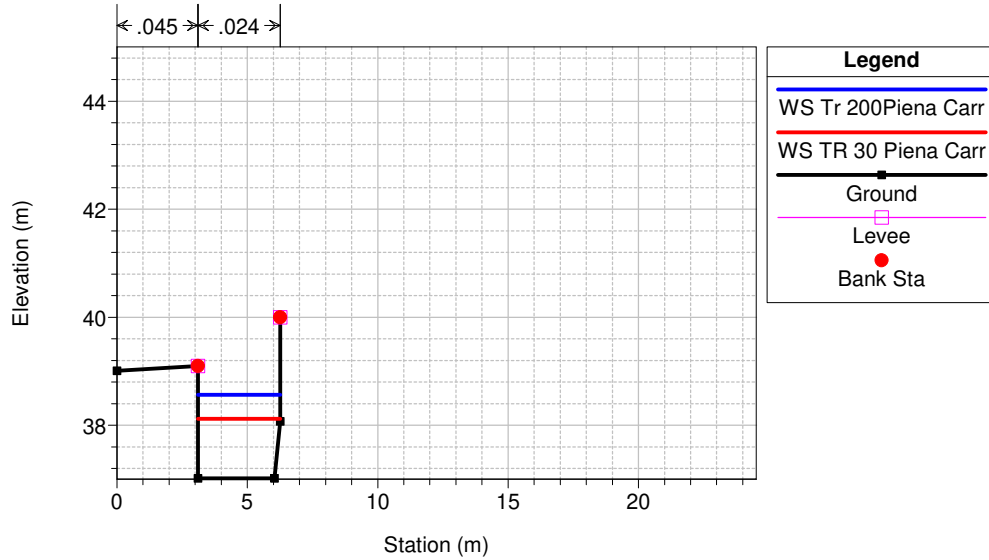
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 36 Sez 36



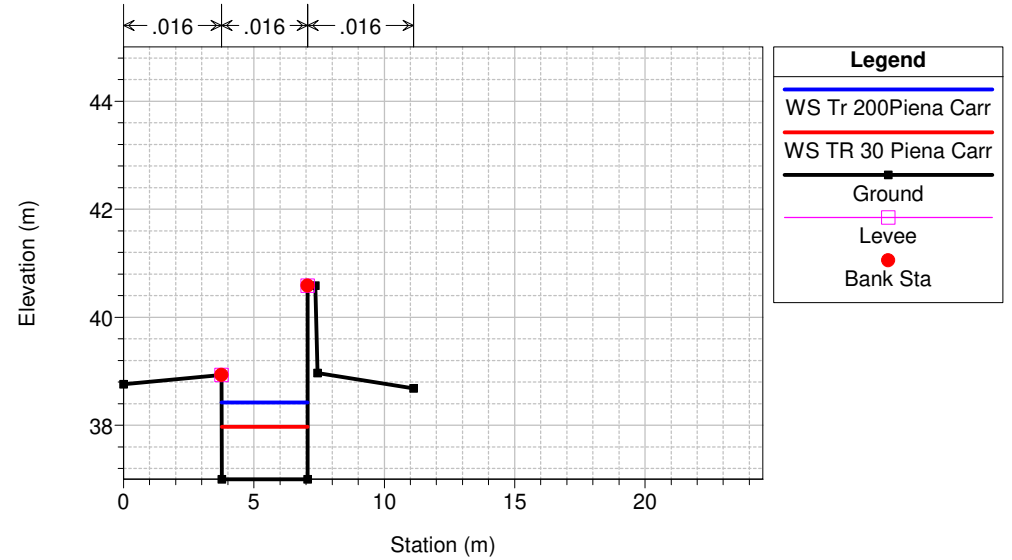
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 35 Sez 35



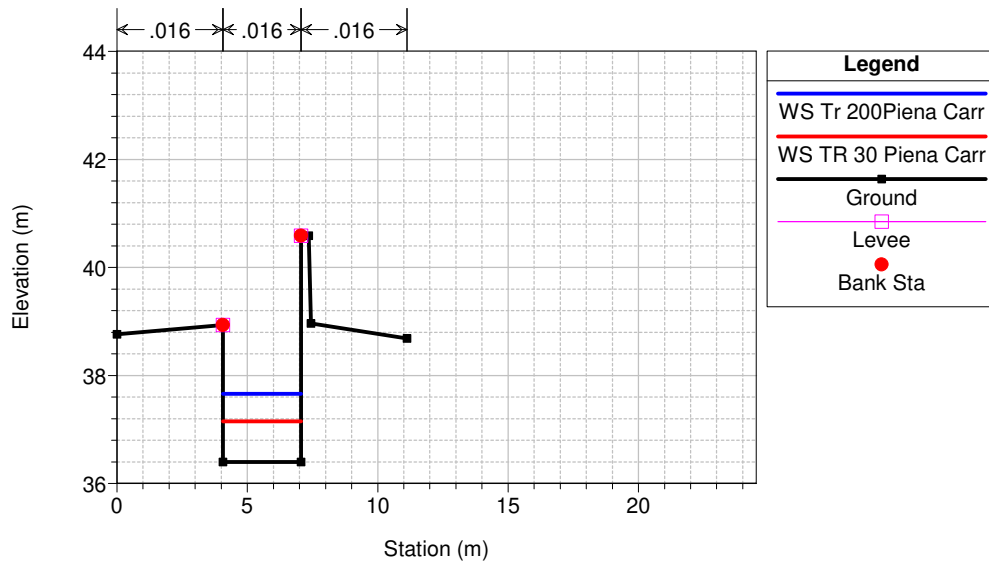
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 34 Sez 34



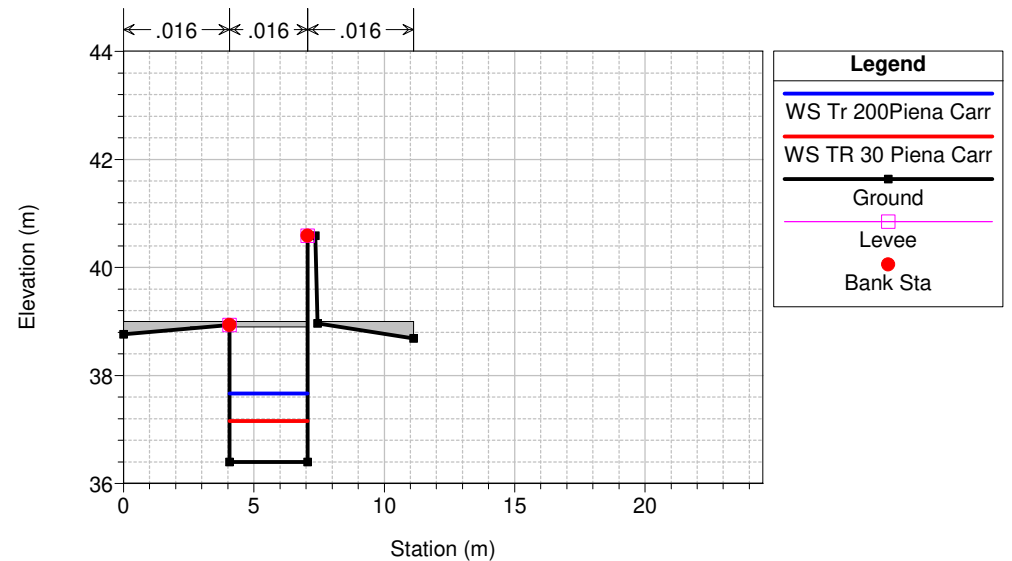
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 33.1 Sez 33.1 monte salto di fondo



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 33 Sez 33 monte attraversamento privato e valle salto fondo

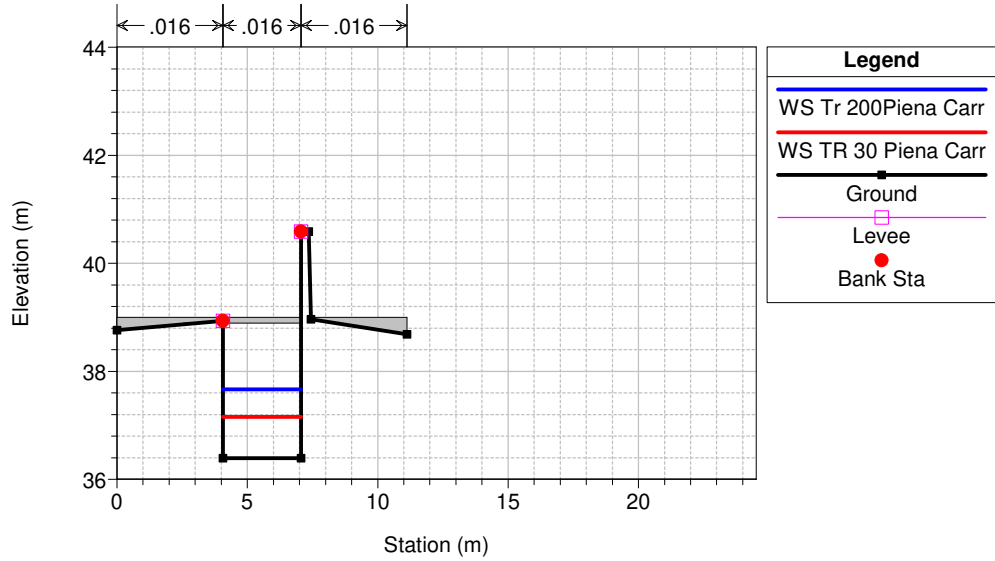


Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 32.5 BR Accesso privato - Scatolare 300x250

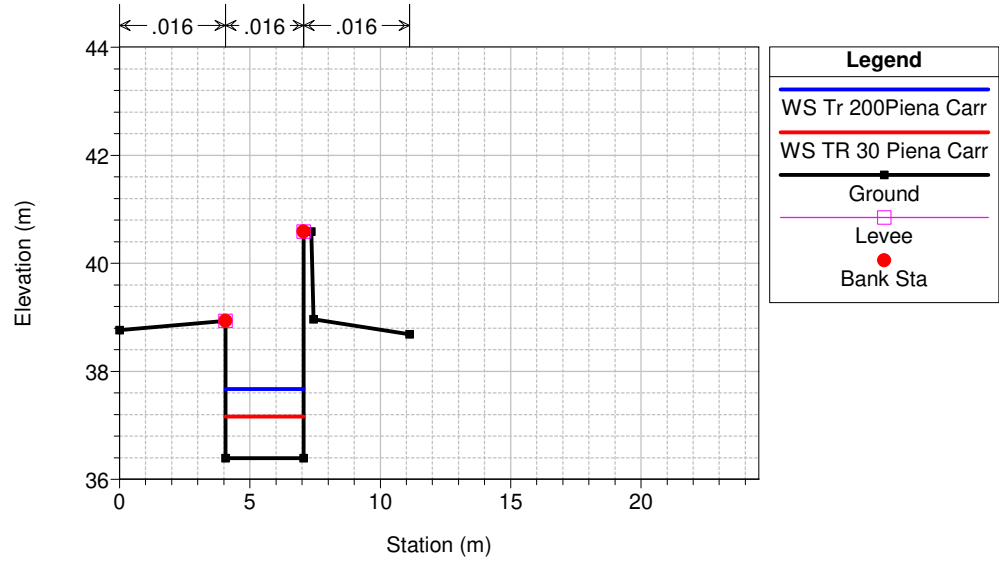


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

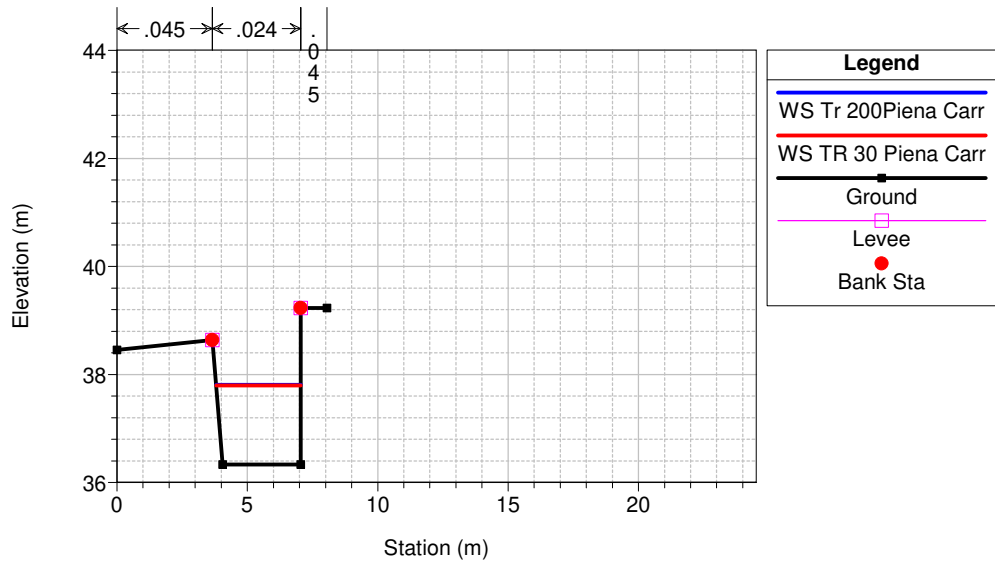
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 32.5 BR Accesso privato - Scatolare 300x250



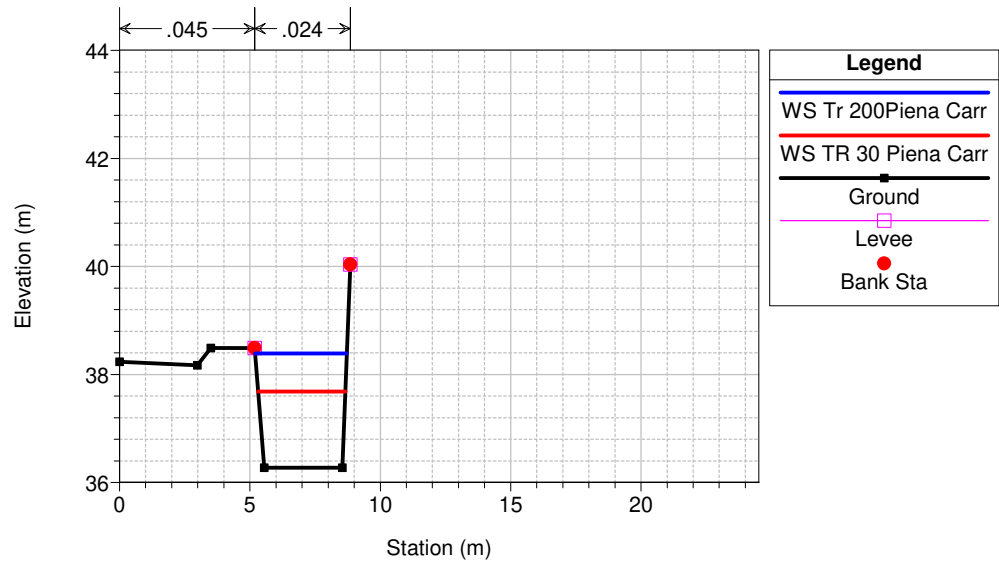
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 32.2 Sez 32.2 valle attraversamento privato



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 32 Sez 32

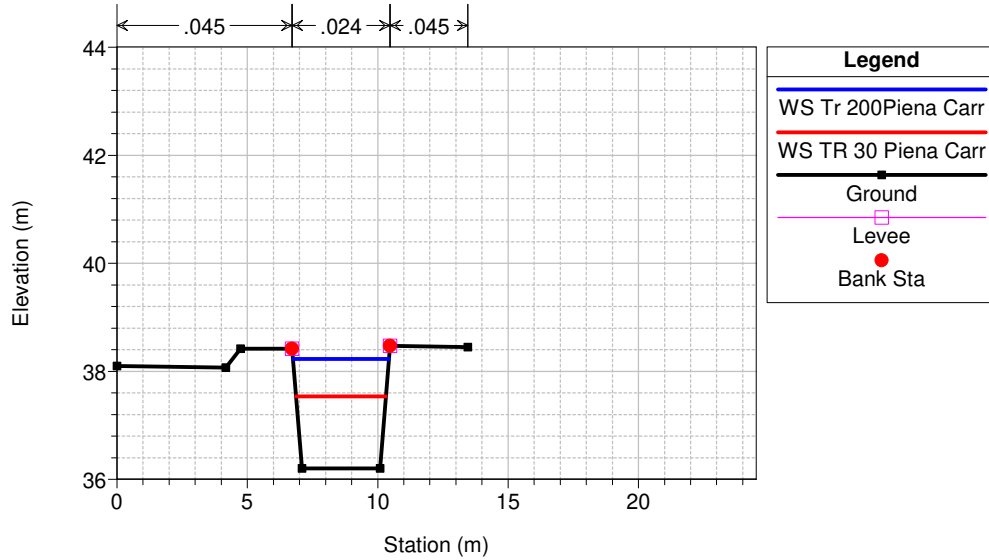


Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 31 Sez 31

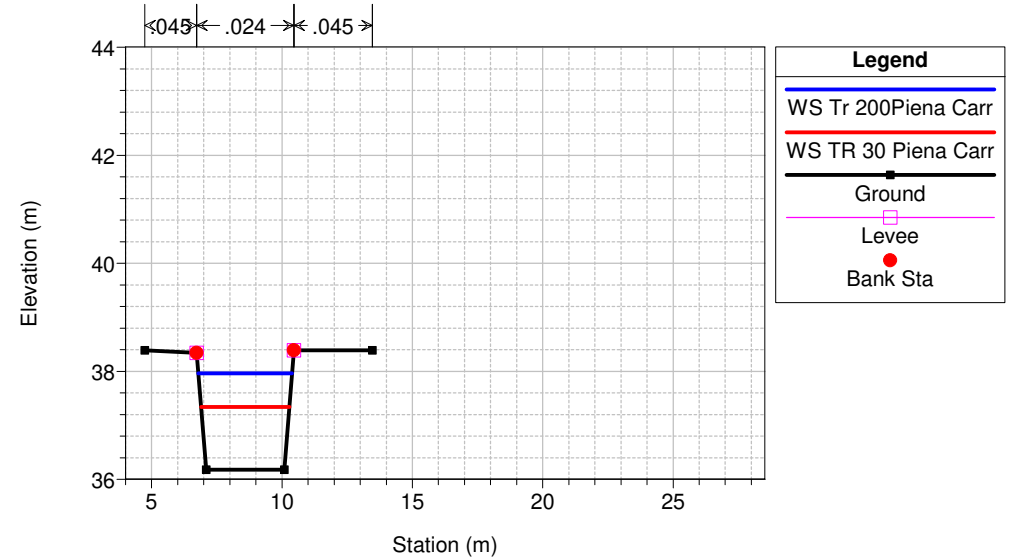


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

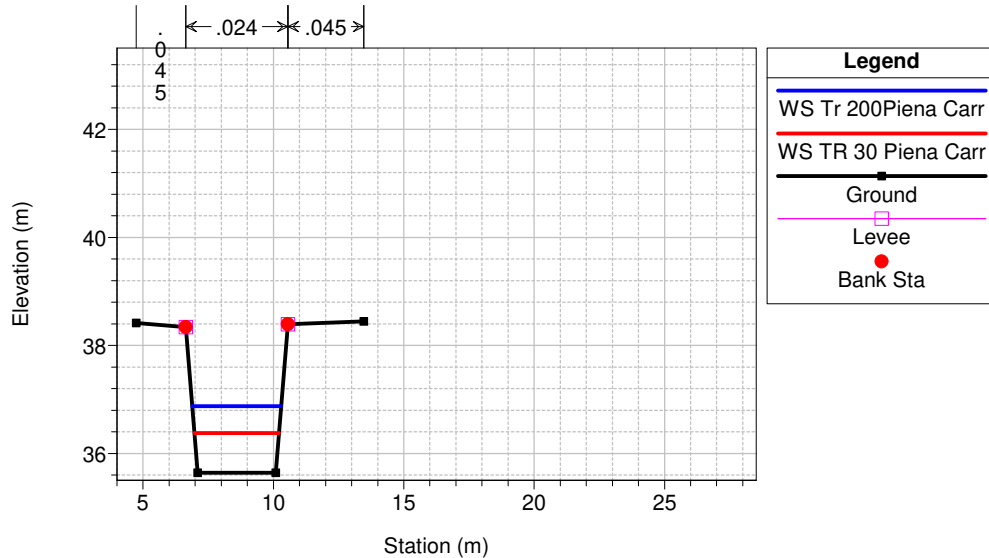
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 30 Sez 30



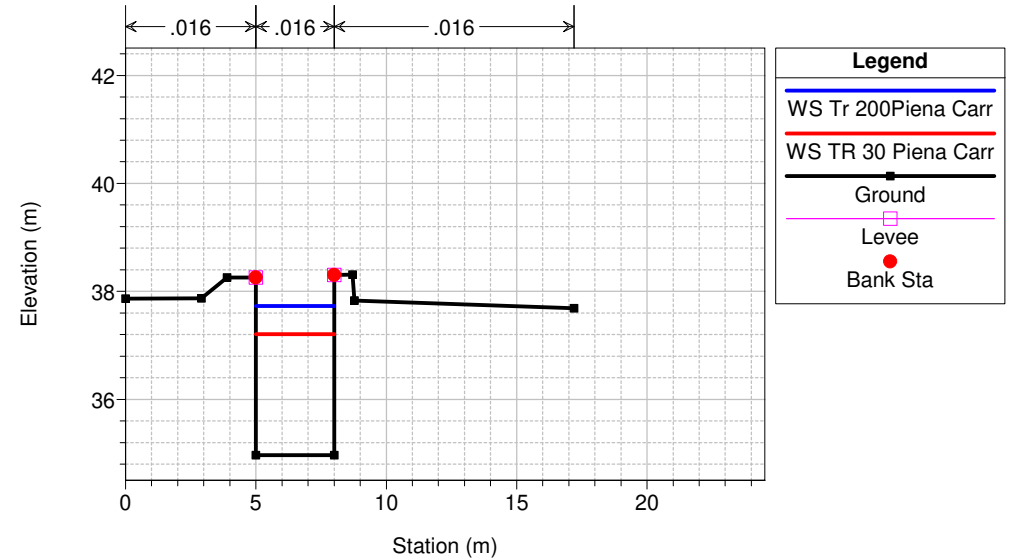
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 29.7 Sez 29.7 monte salto di fondo



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 29.6 Sez 29.6 valle salto di fondo

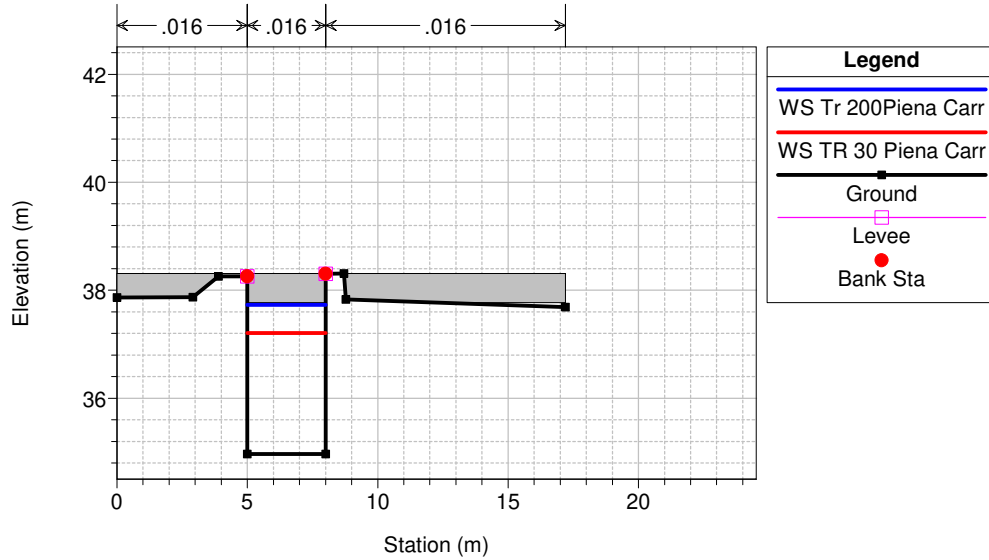


Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 29 Sez 29 monte attraversamento allo stadio

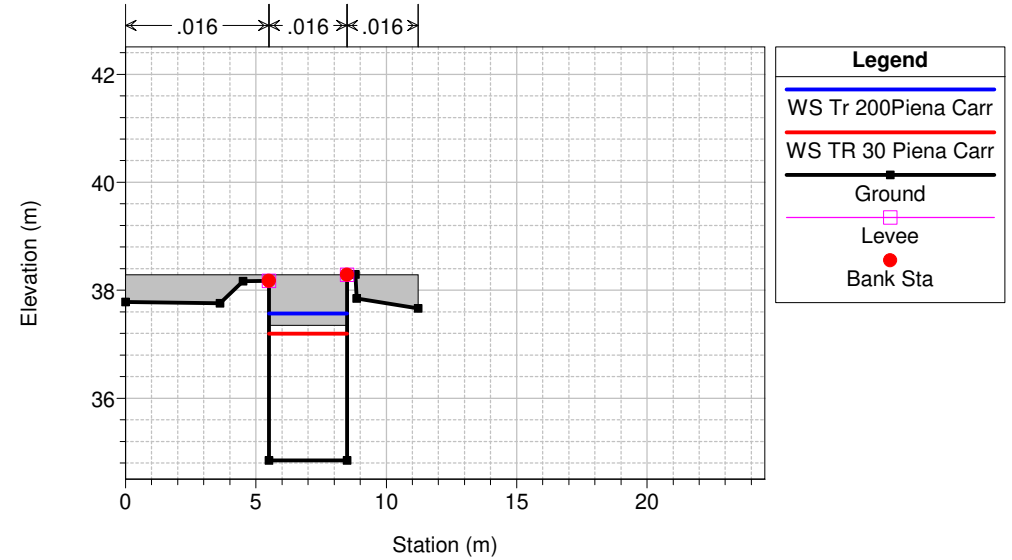


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

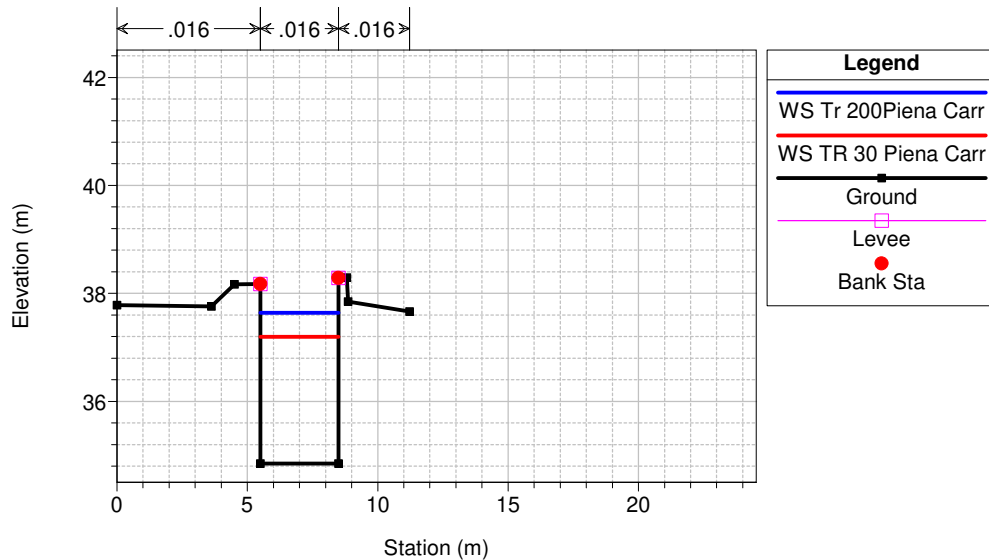
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 28.5 BR Scatolare B=300 - H=250



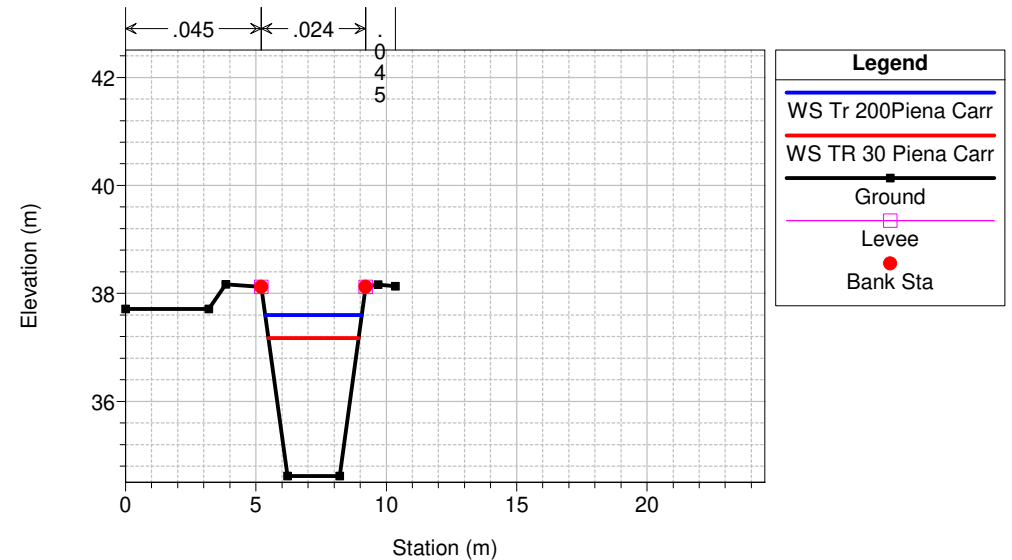
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 28.5 BR Scatolare B=300 - H=250



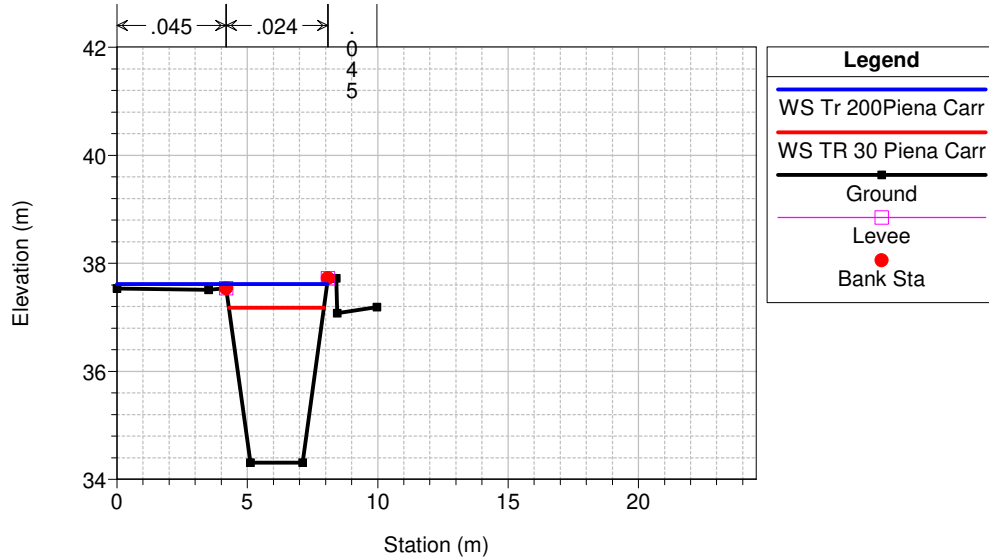
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 28 Sez 28 valle attraversamento allo stadio



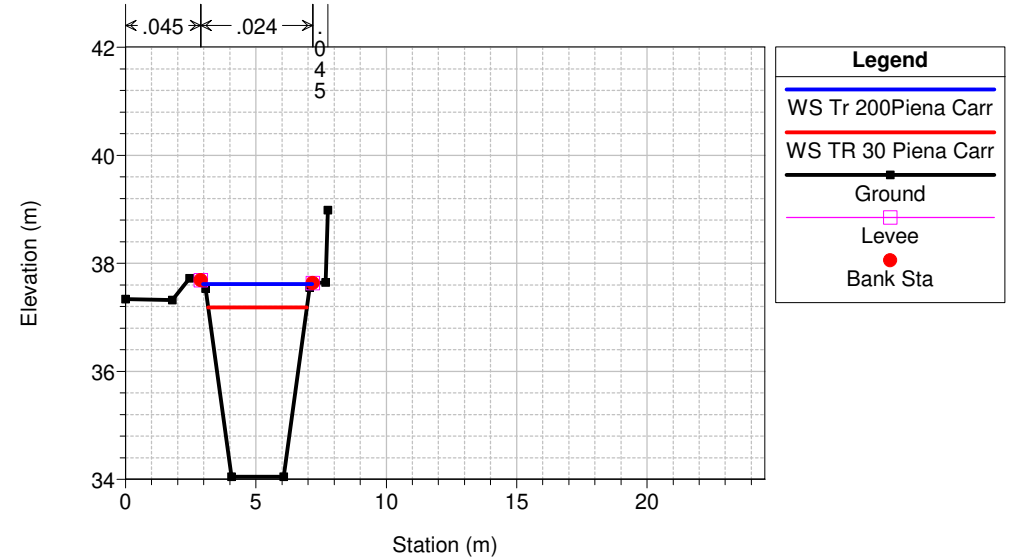
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 27 Sez 27



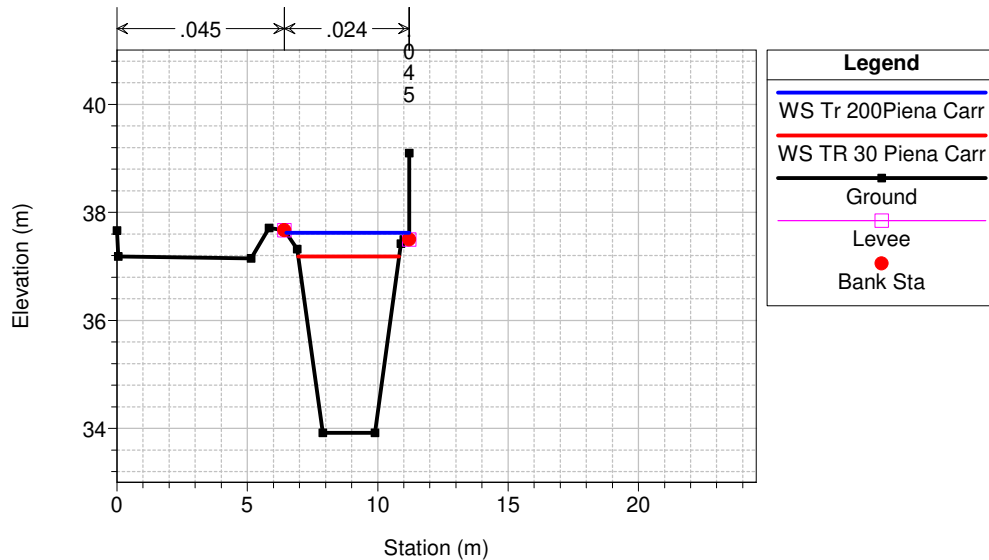
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 26 Sez 26



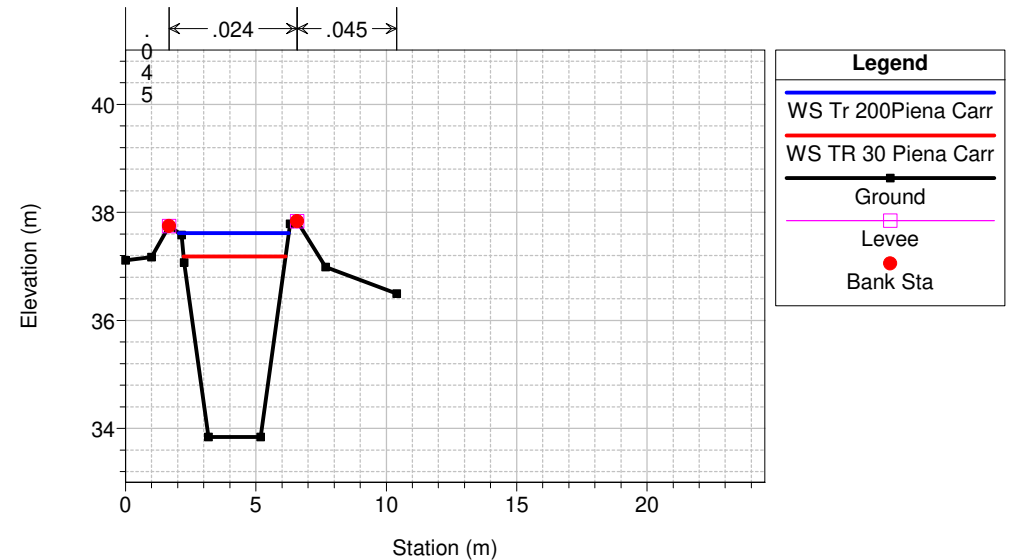
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 25 Sez 25



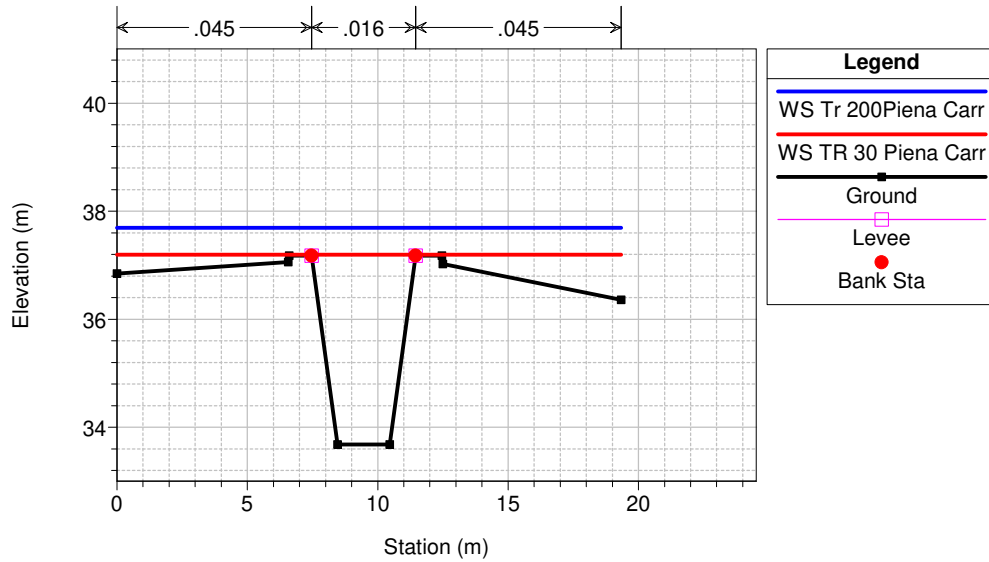
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 24 Sez 24



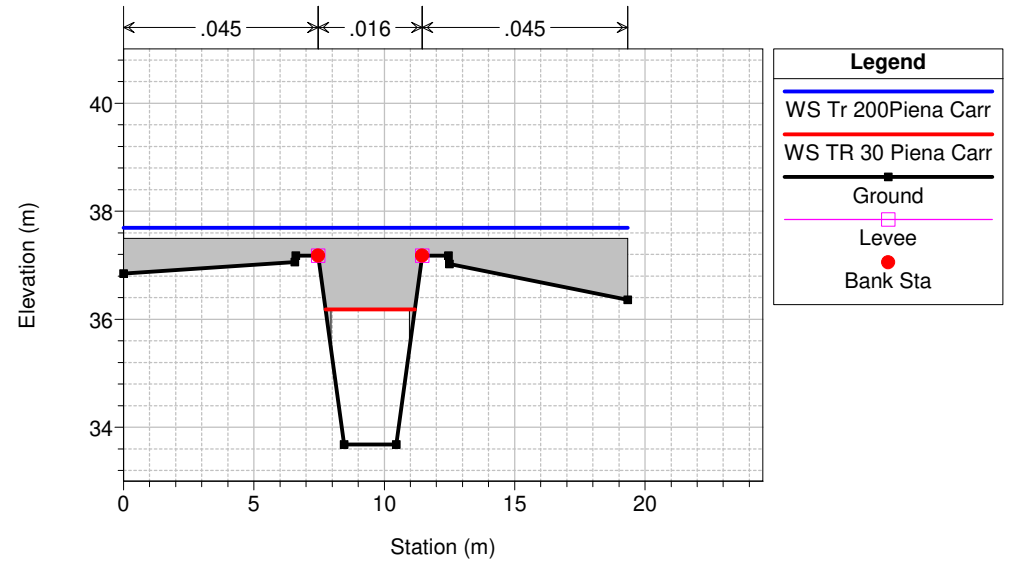
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 23 Sez 23



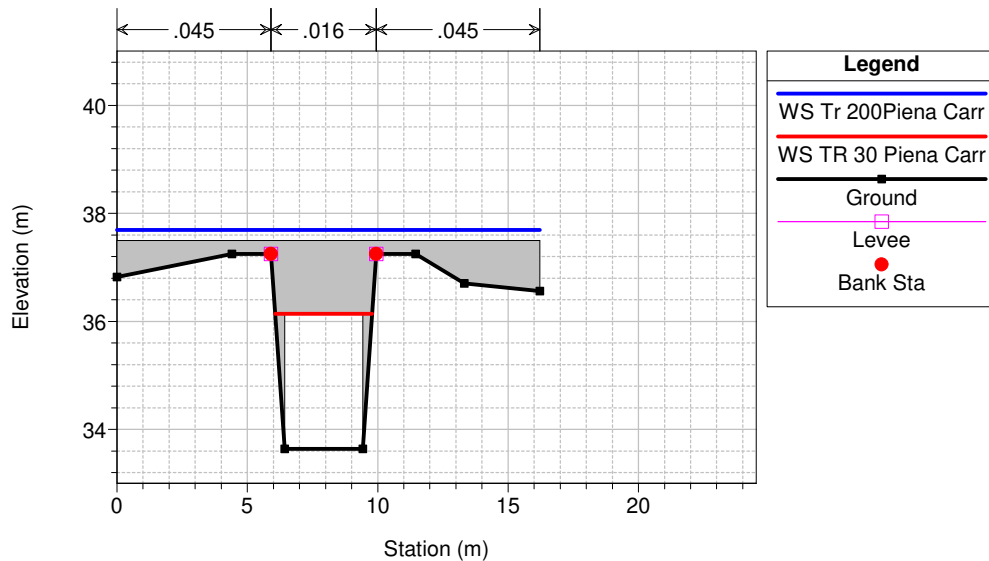
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 22 Sez 22 monte attraversamento privato



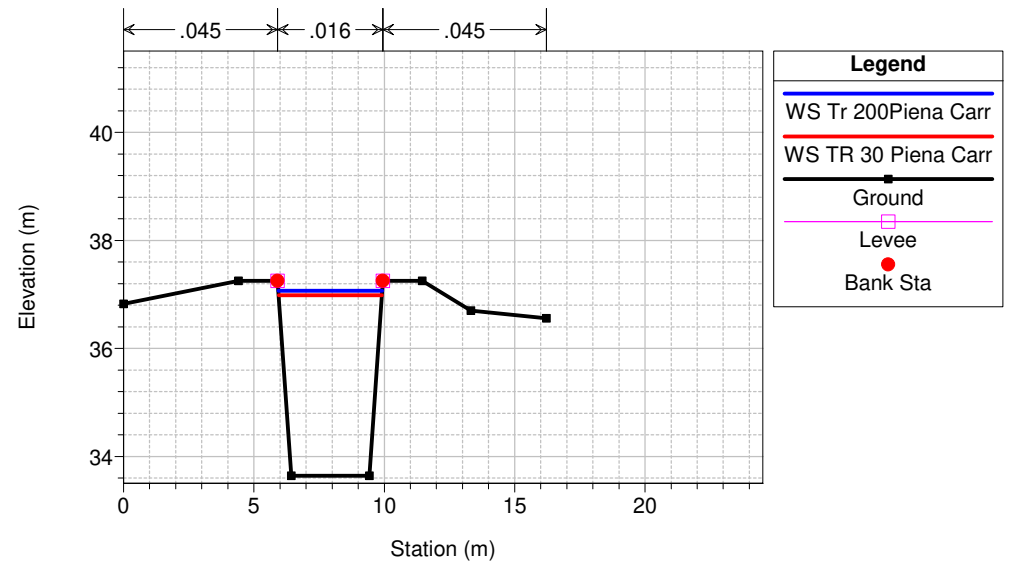
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 21.5 BR Ponte accesso corte scolare 300x250



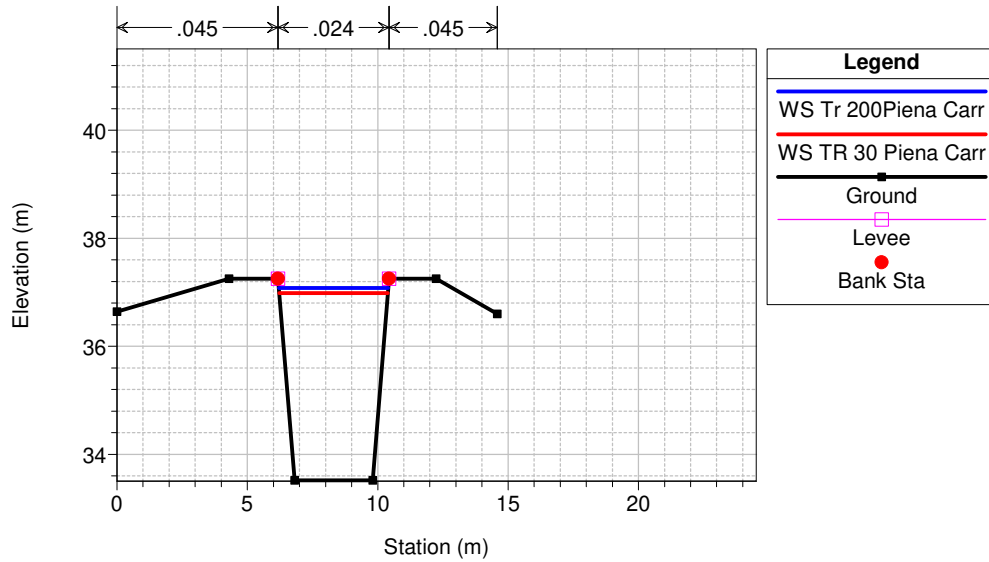
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 21.5 BR Ponte accesso corte scolare 300x250



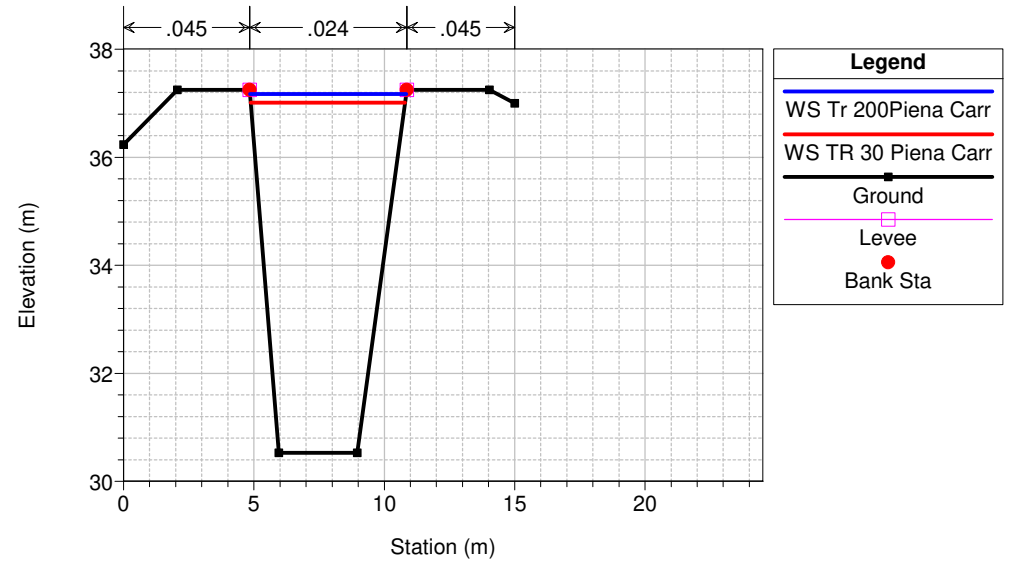
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 21 Sez 21 valle attraversamento privato



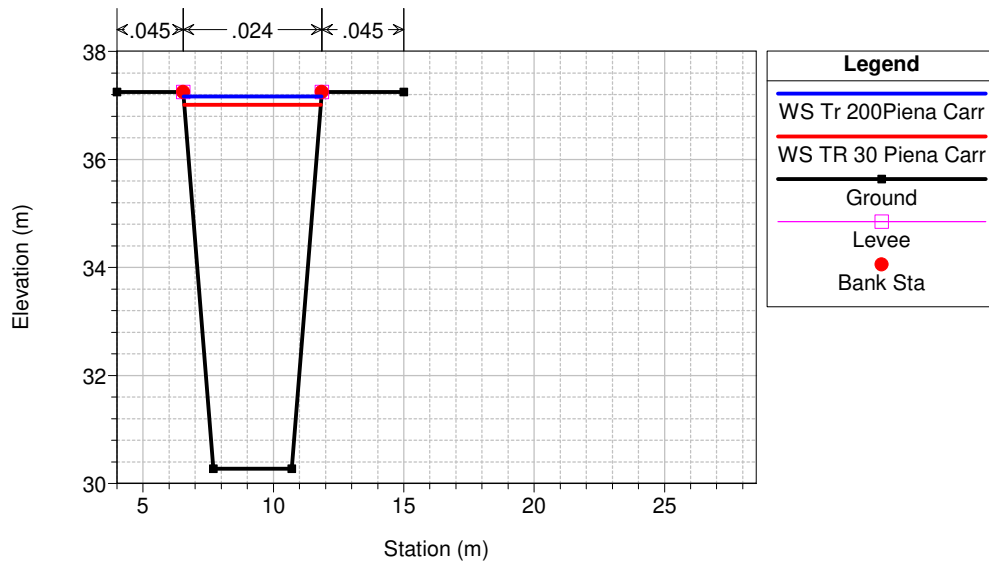
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 20 Sez 20 inizio abbassamento alveo



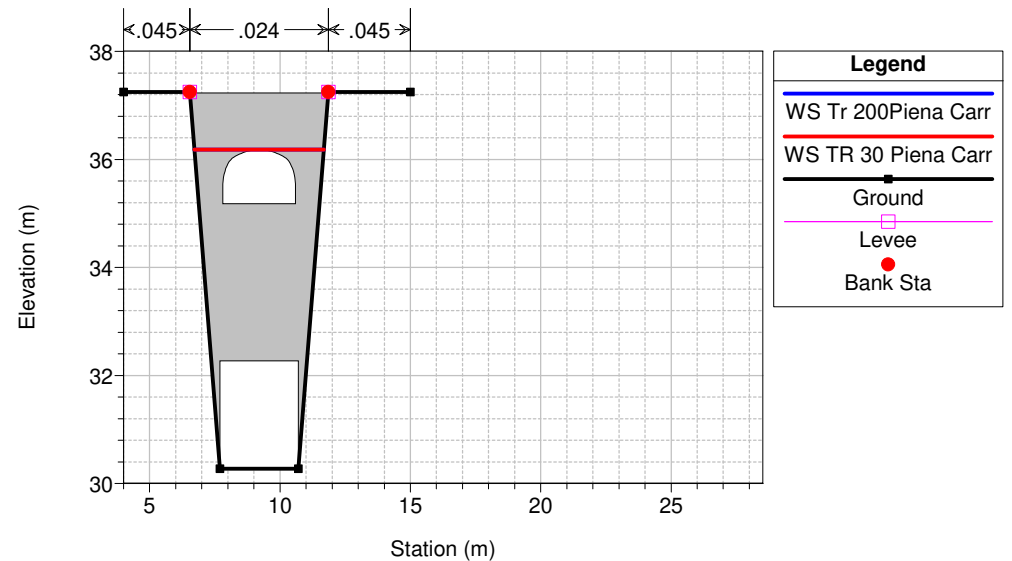
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 19 Sez 19



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 18 Sez 18 a monte ponte SS 12 e Condotto Pubblico



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 16.5 Culv Sottopasso SS e pubblico condotto 3.00x2.00 m

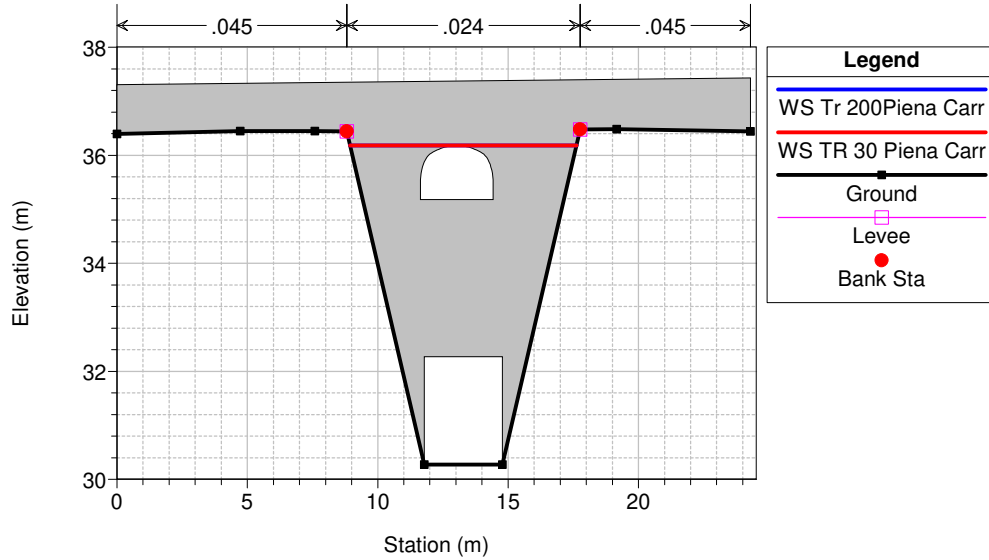


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio

Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod

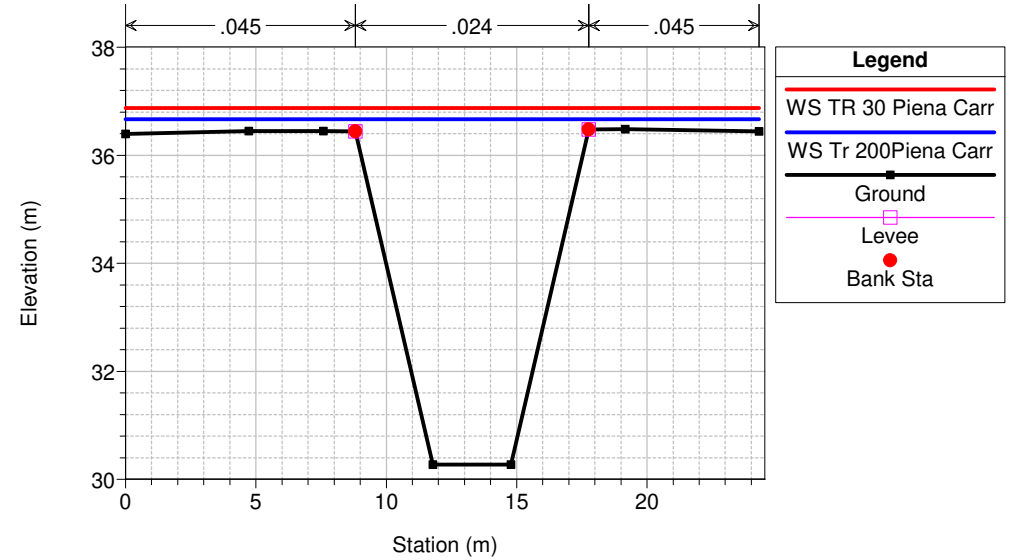
River = Carraia Reach = Carraia RS = 16.5 Culv Sottopasso SS e pubblico condotto 3.00x2.00 m



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio

Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod

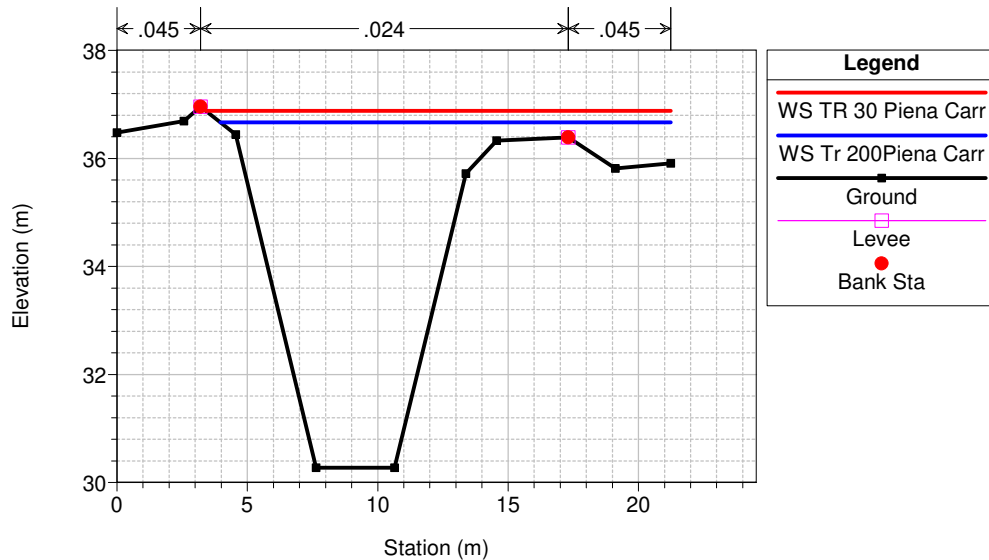
River = Carraia Reach = Carraia RS = 16 Sez 16 a valle ponte SS 12 e Condotto Pubblico



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio

Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod

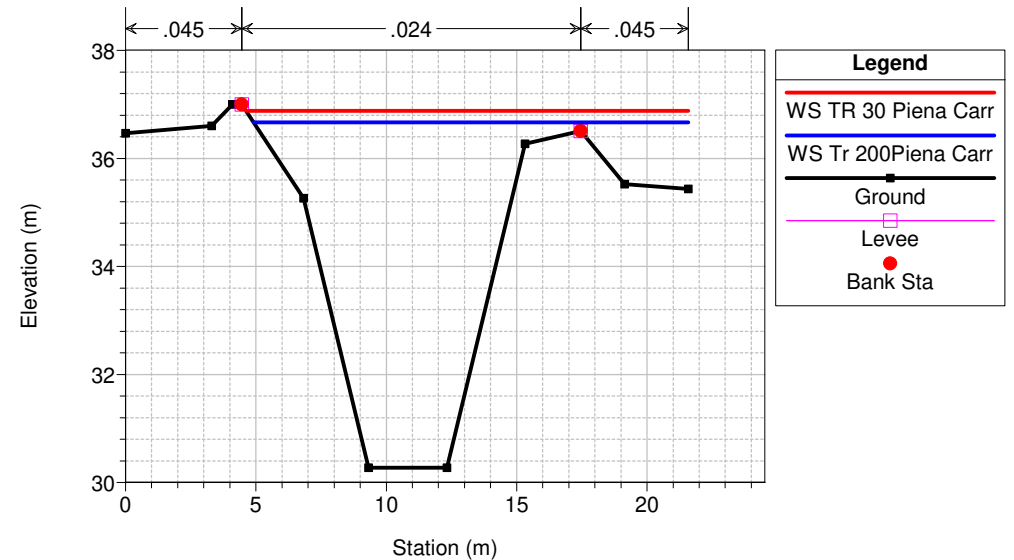
River = Carraia Reach = Carraia RS = 15 Sez 15



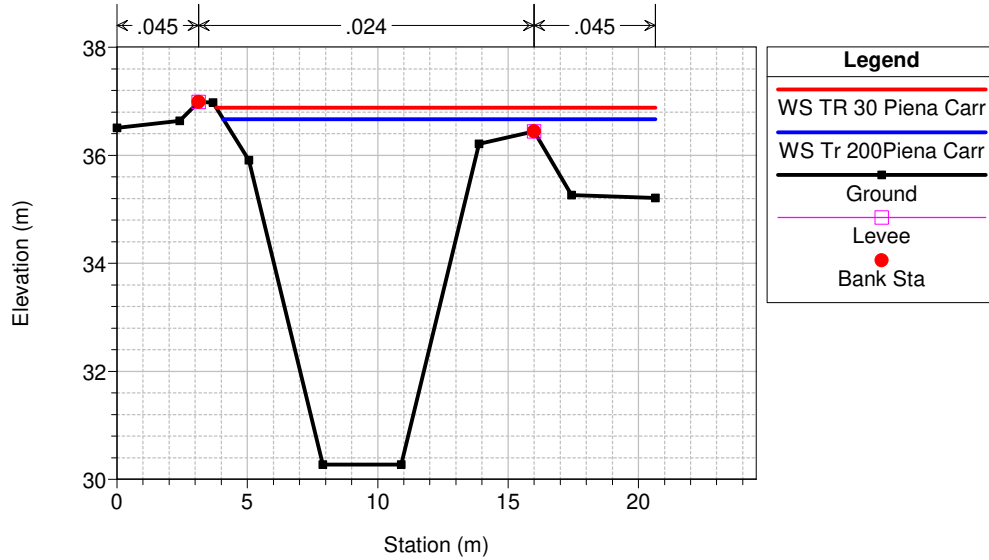
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio

Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod

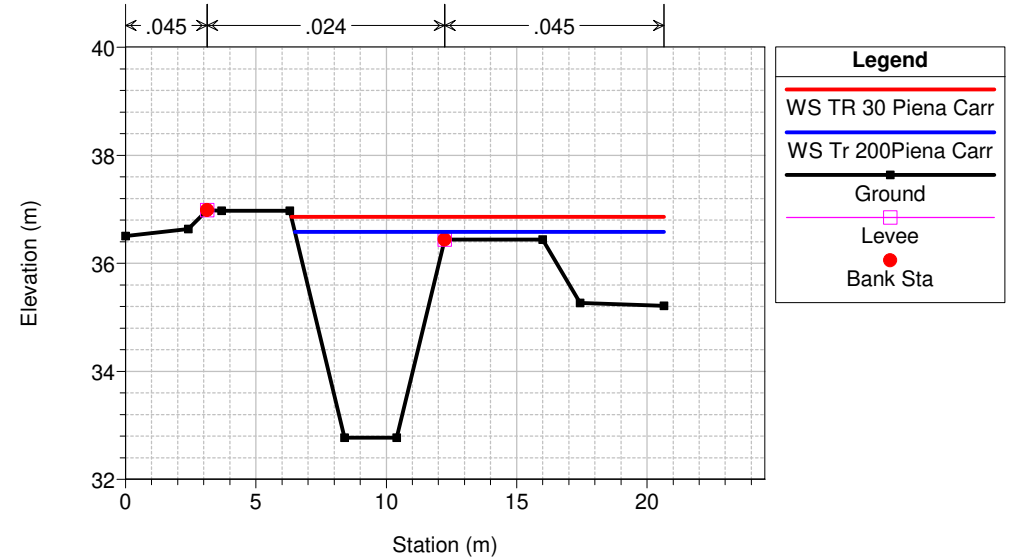
River = Carraia Reach = Carraia RS = 14 Sez 14



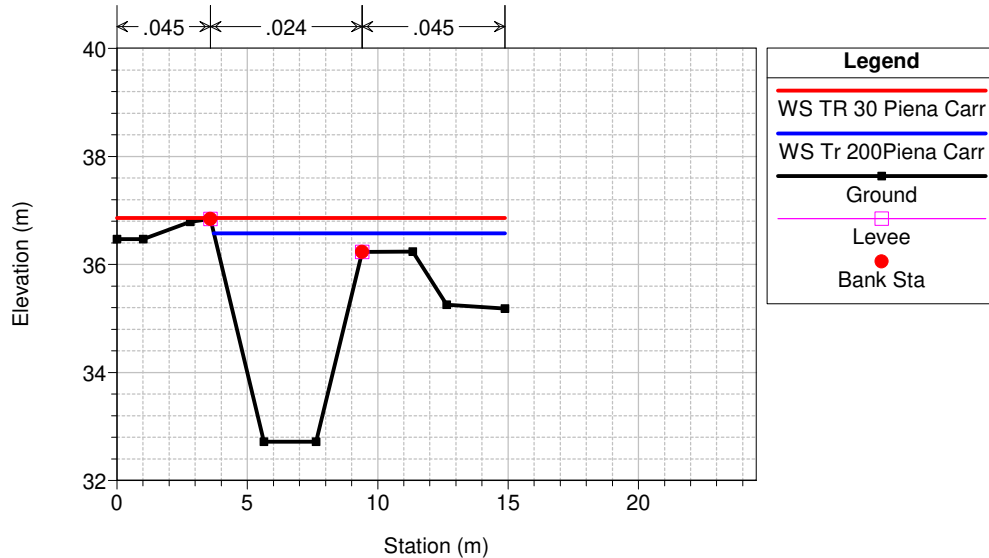
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 13 Sez 13



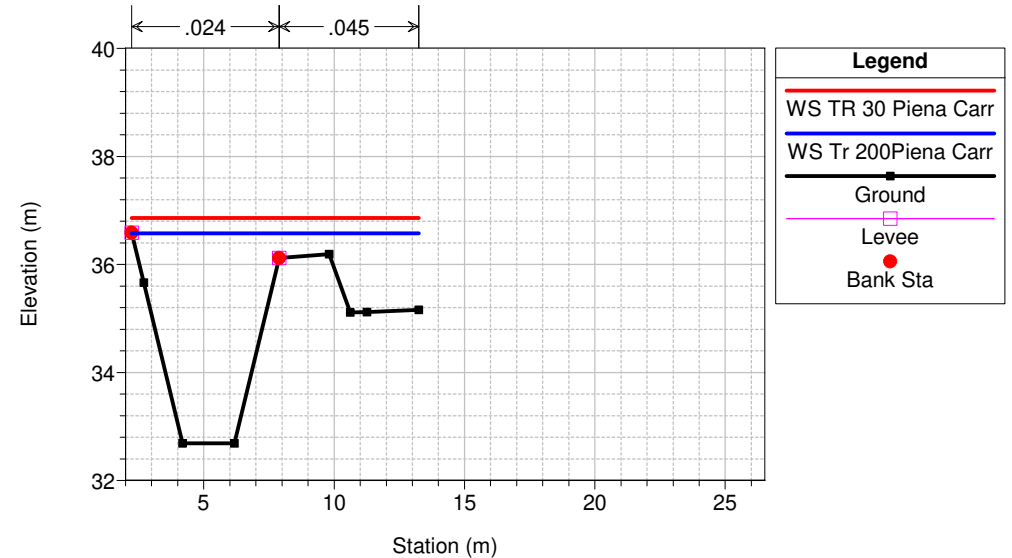
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 12.9 Sez 12.9



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 12 Sez 12

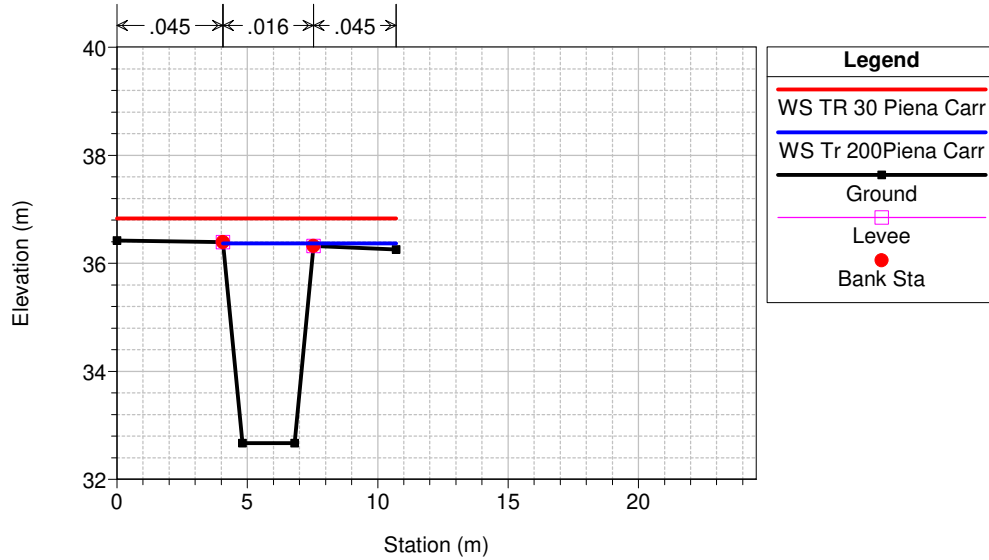


Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 11 Sez 11

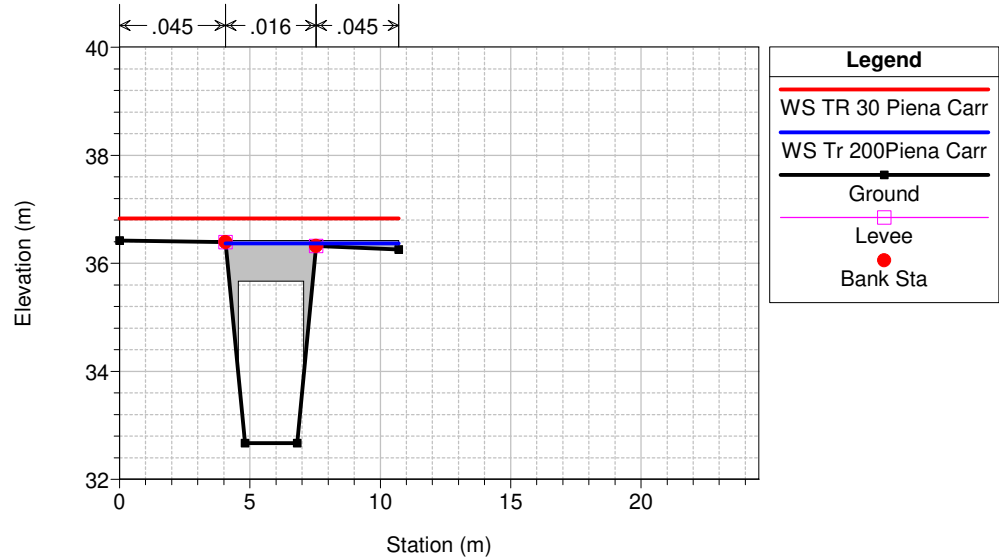


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

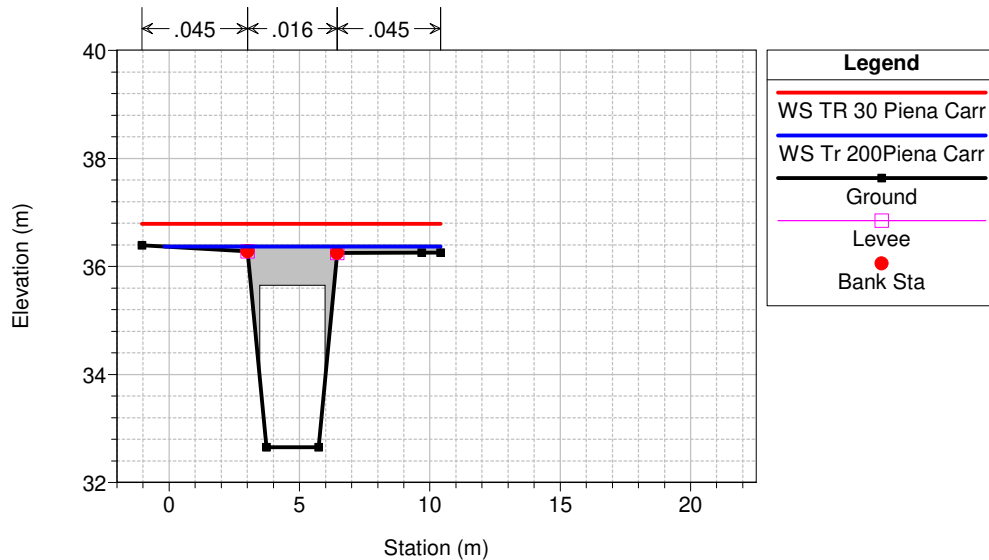
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 10 Sez 10 monte Ponte privato



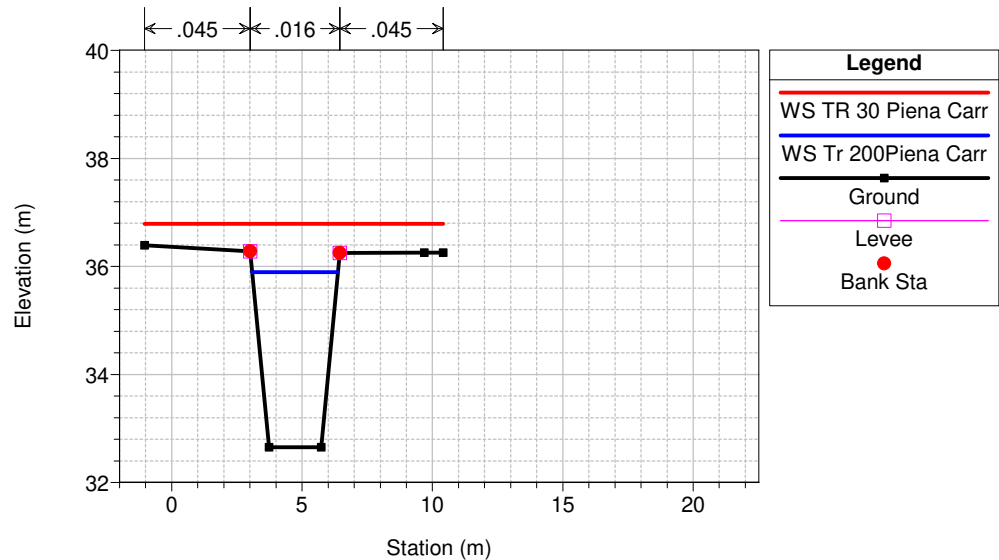
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 9.5 BR Ponticello privato scolare 250x300



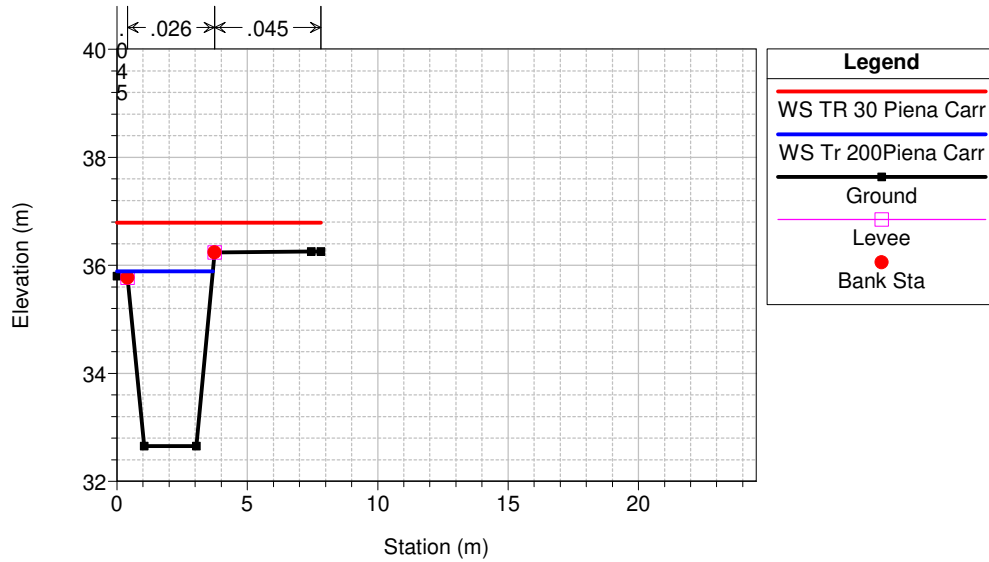
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 9.5 BR Ponticello privato scolare 250x300



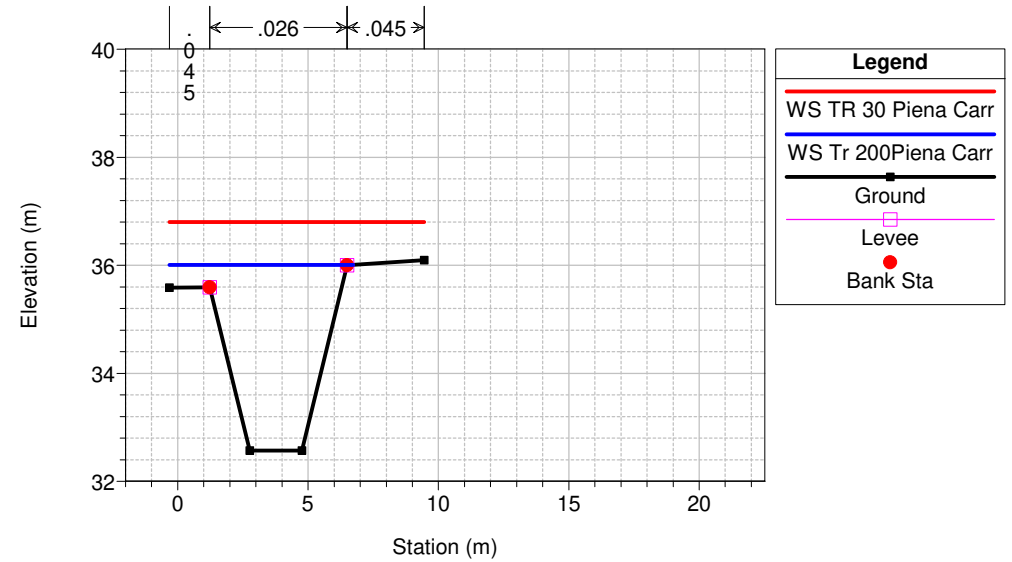
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 9 Sez 9 valle Ponte privato



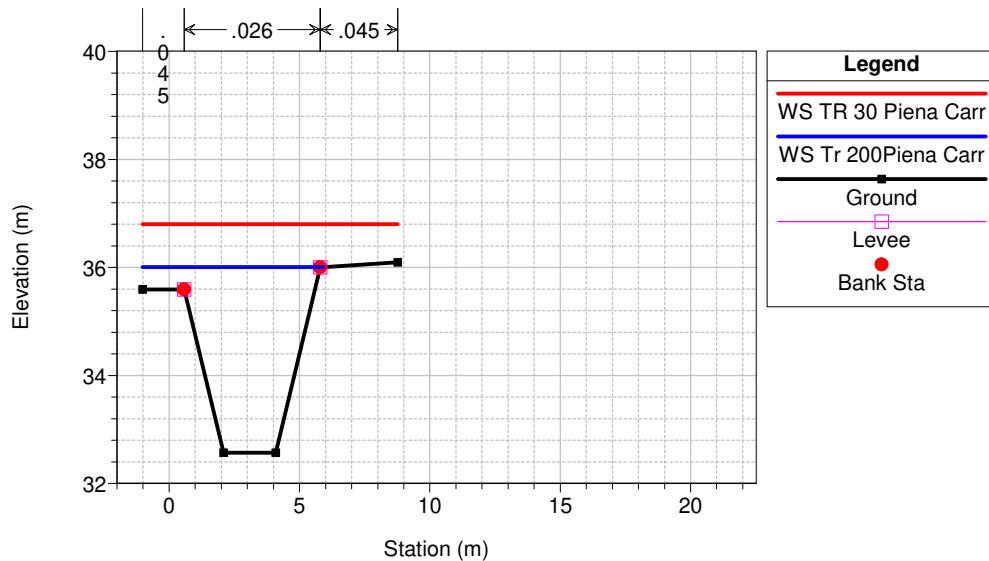
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 8 Sez 8



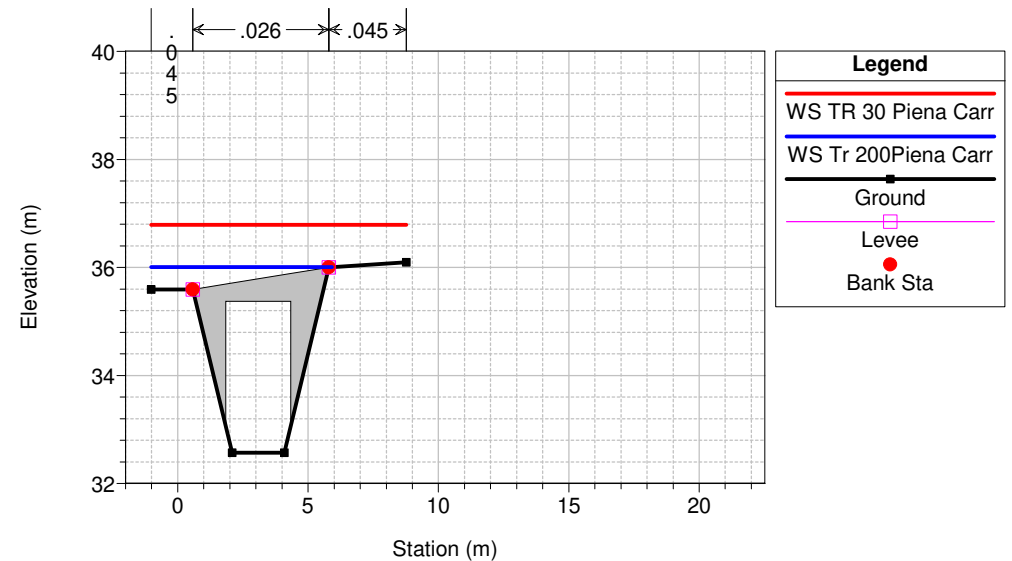
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 7 Sez 7



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 6 Sez 6 monte Ponticello privato 2.5x2.8

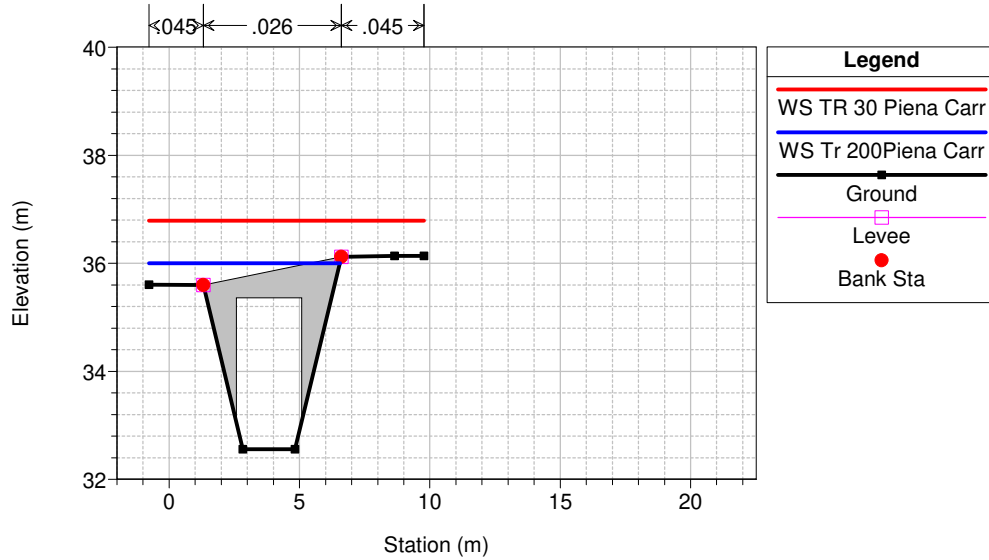


Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggiorn Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 5.5 BR Attraversamento privato

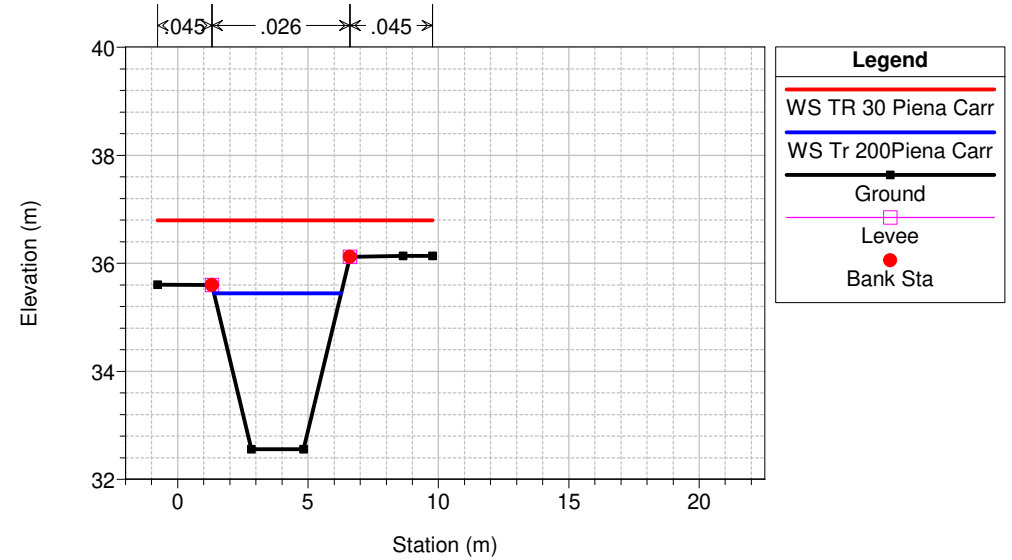


1 cm Horiz. = 2.9 m 1 cm Vert. = 1.4 m

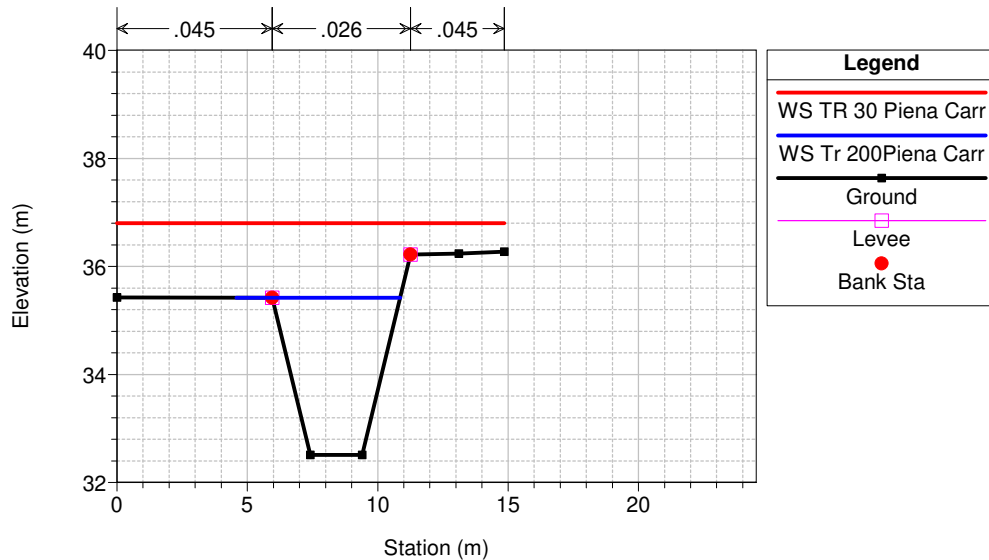
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 5.5 BR Attraversamento privato



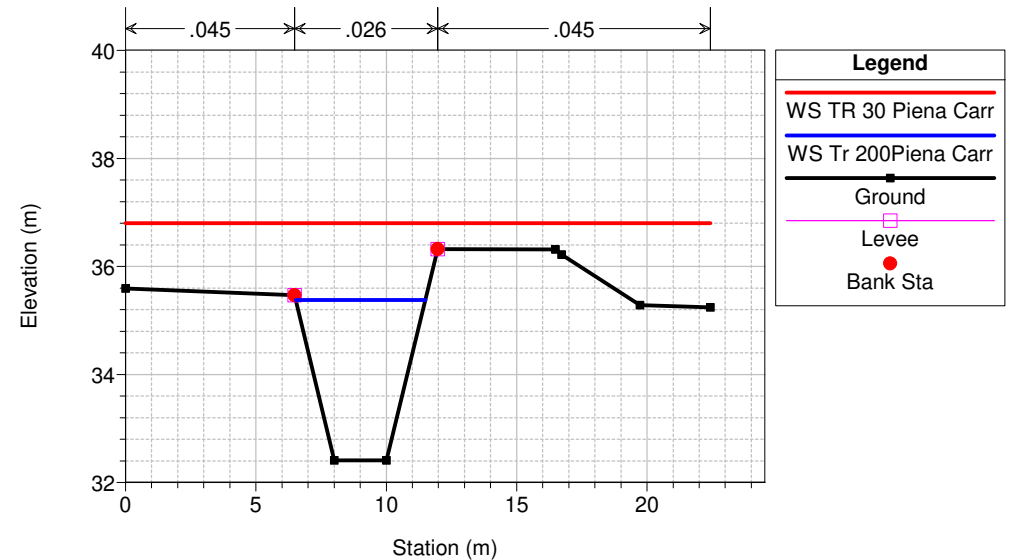
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 5 Sez 5 valle attraversamento privato



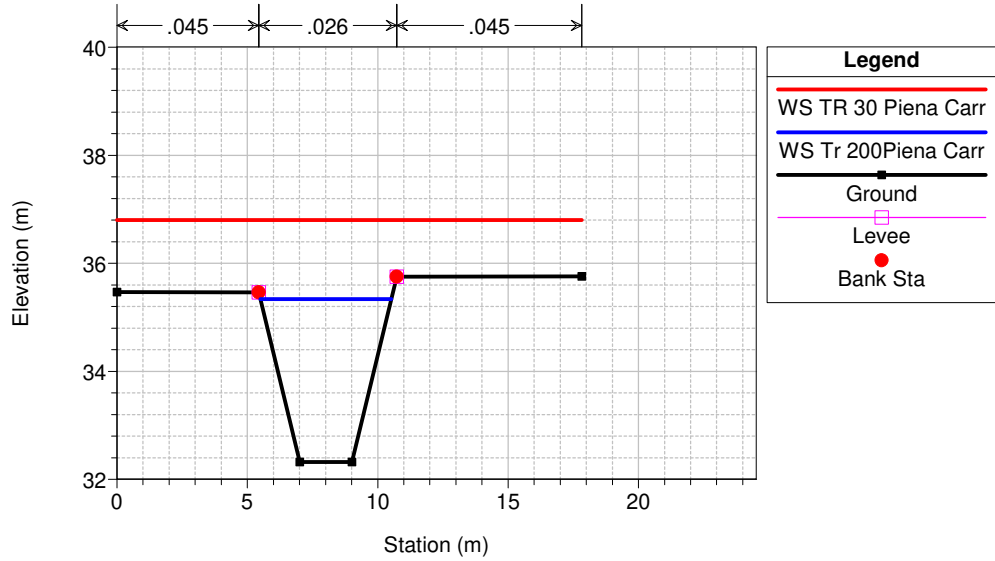
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 4 Sez 4



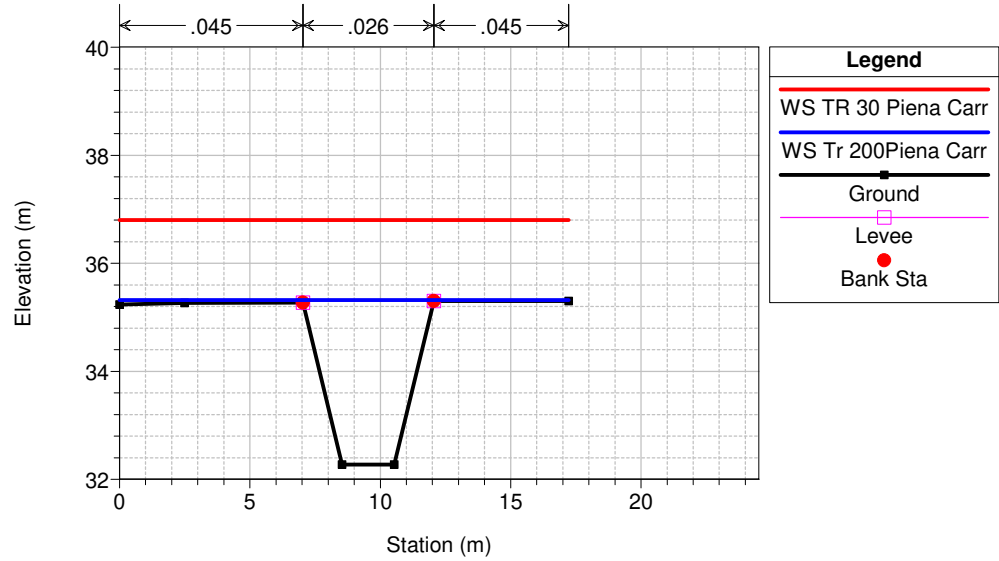
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 3 Sez 3



Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 2 Sez 2



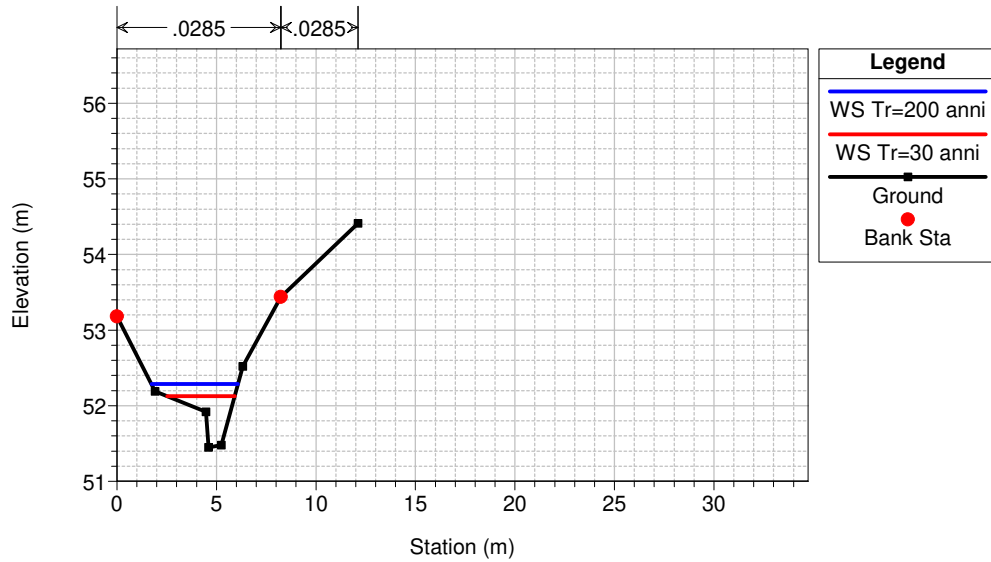
Fosso Carraia - Direzione Lavori 2010 Plan: Carraia incrociato piene Serchio
 Geom: DIR LAVORI_MAY11_mod sez 49 aggior Flow: Q200mod Tp 130_scala defl mod
 River = Carraia Reach = Carraia RS = 1 Sez 1 Confluenza in Serchio



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

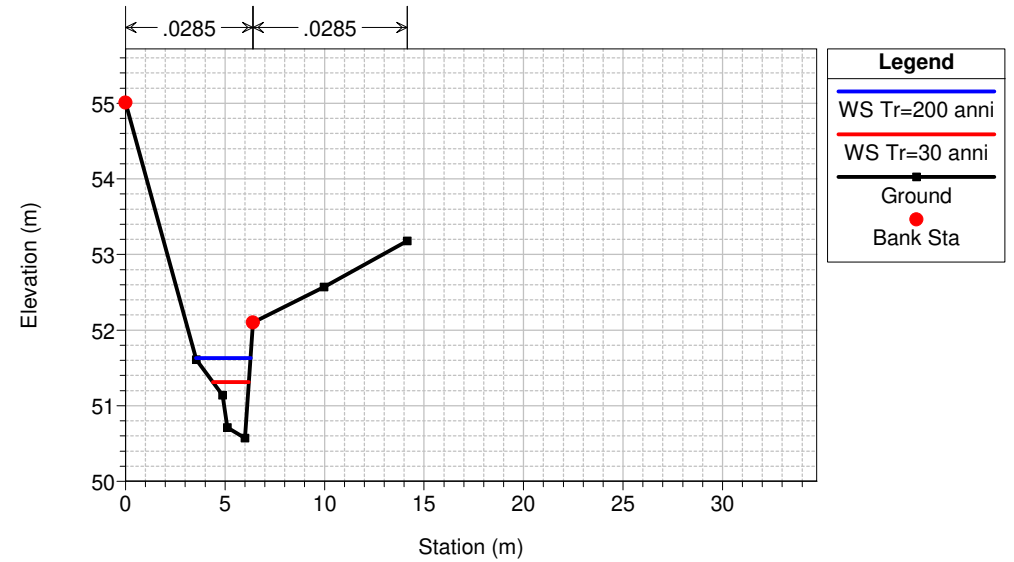
River = LAMA Reach = LAMA RS = 29 sez 16



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

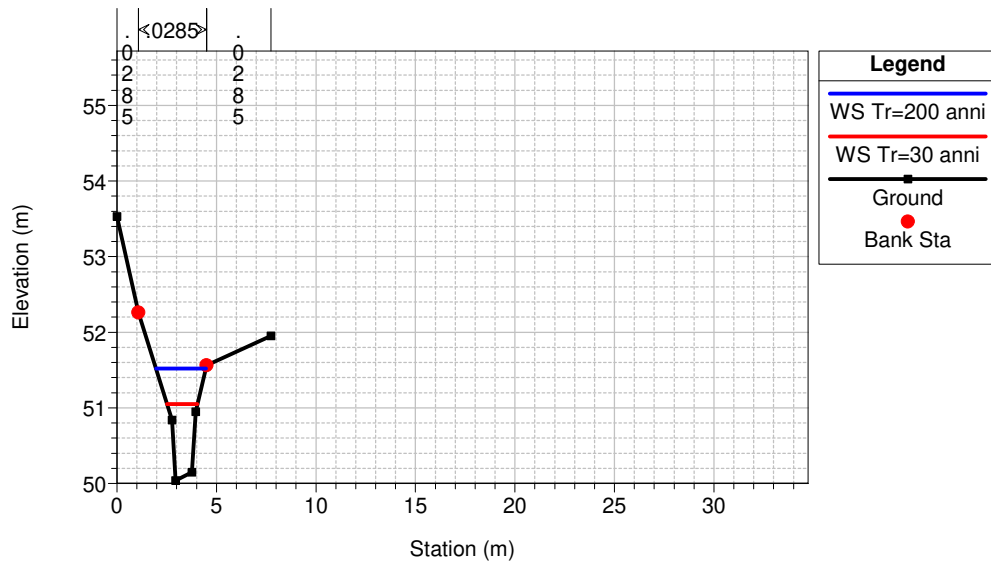
River = LAMA Reach = LAMA RS = 28 sez 15



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

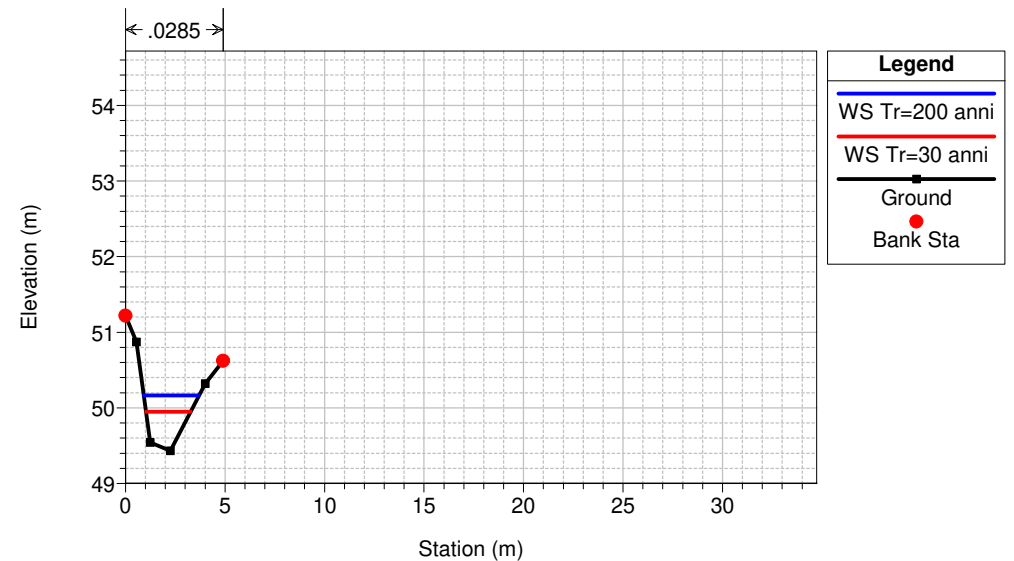
River = LAMA Reach = LAMA RS = 27 sez 14



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

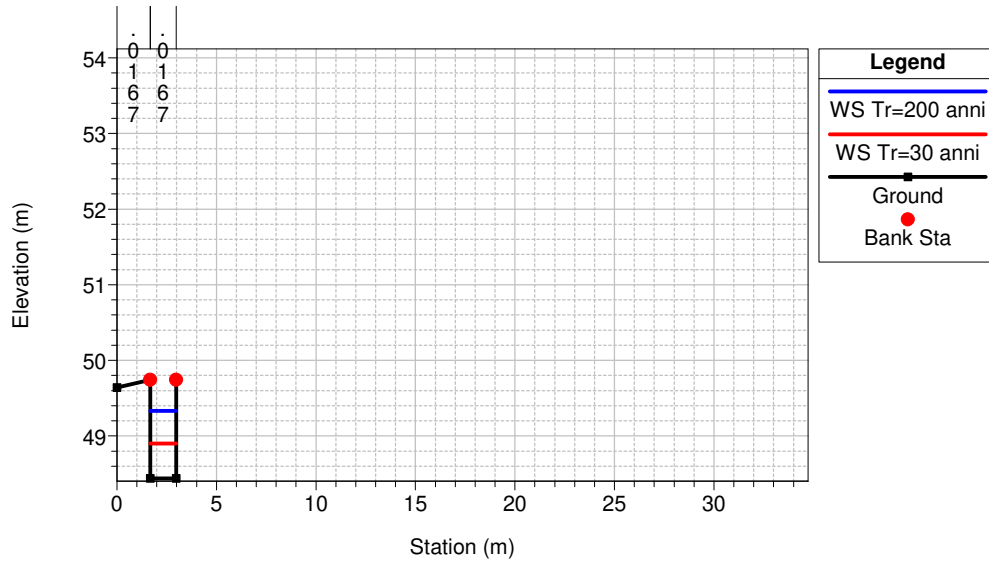
River = LAMA Reach = LAMA RS = 26 sez 13



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

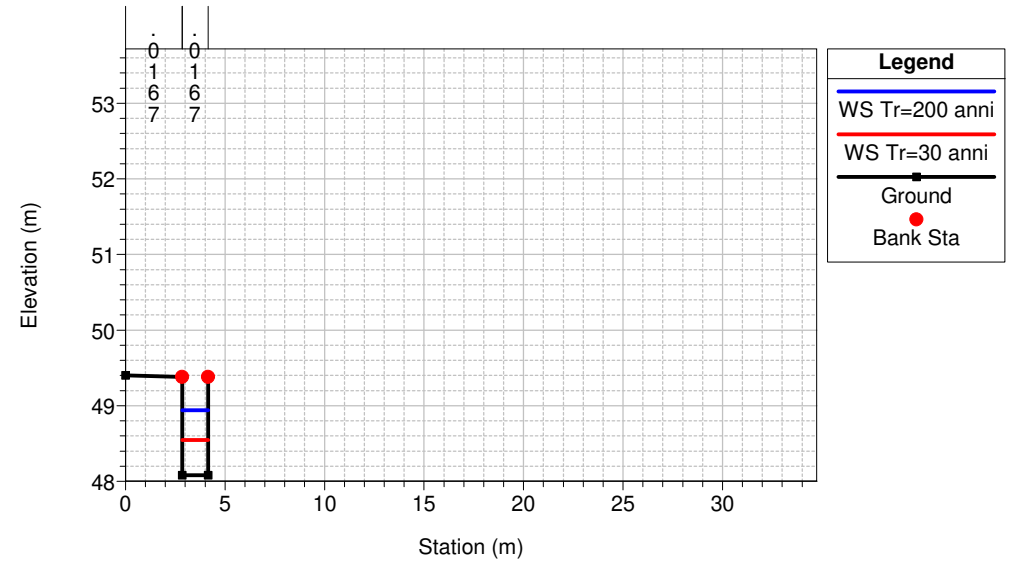
River = LAMA Reach = LAMA RS = 25 sez 12 Inizio Corte Ballarano



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

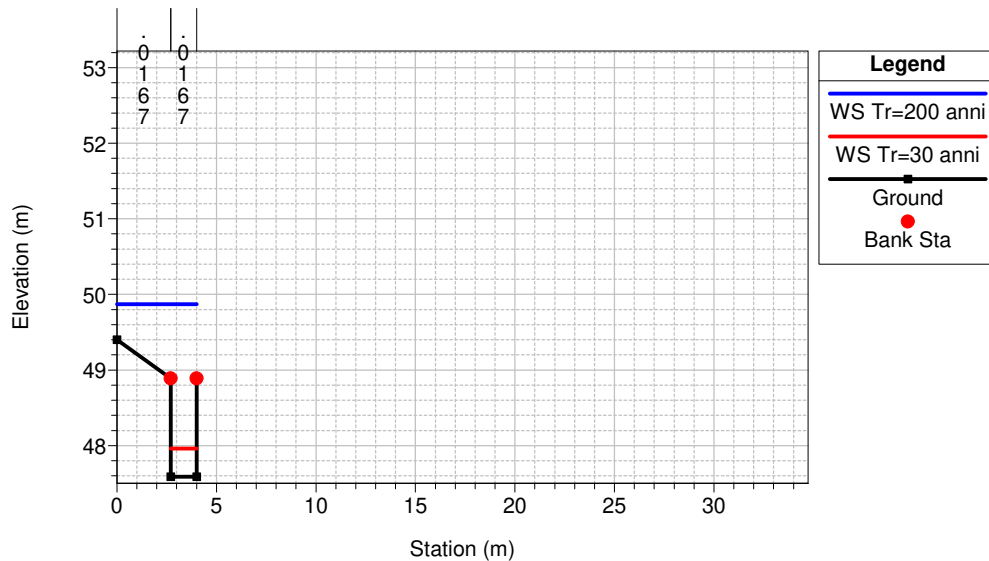
River = LAMA Reach = LAMA RS = 24.5 sez 11.5



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

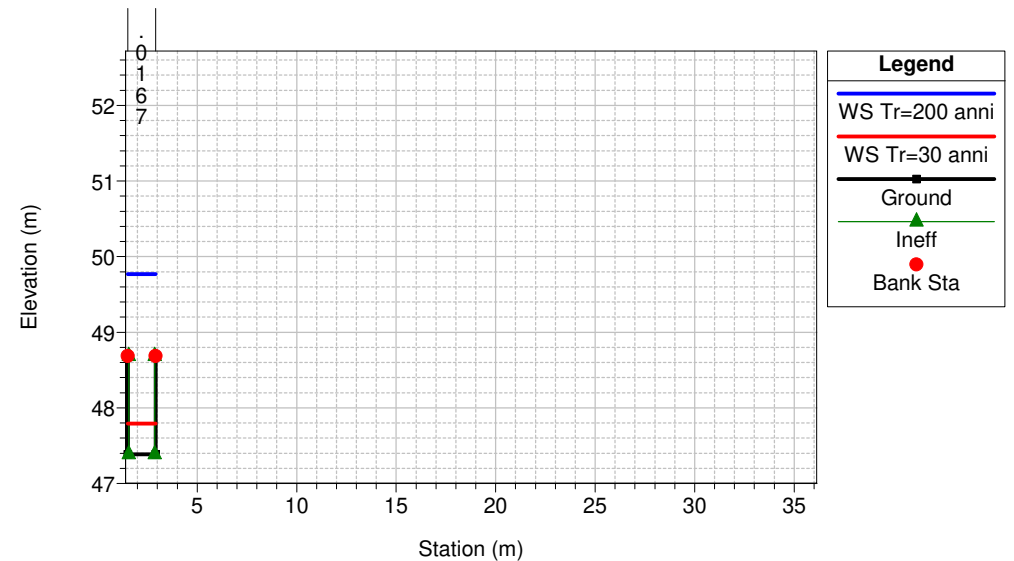
River = LAMA Reach = LAMA RS = 24 sez 11



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

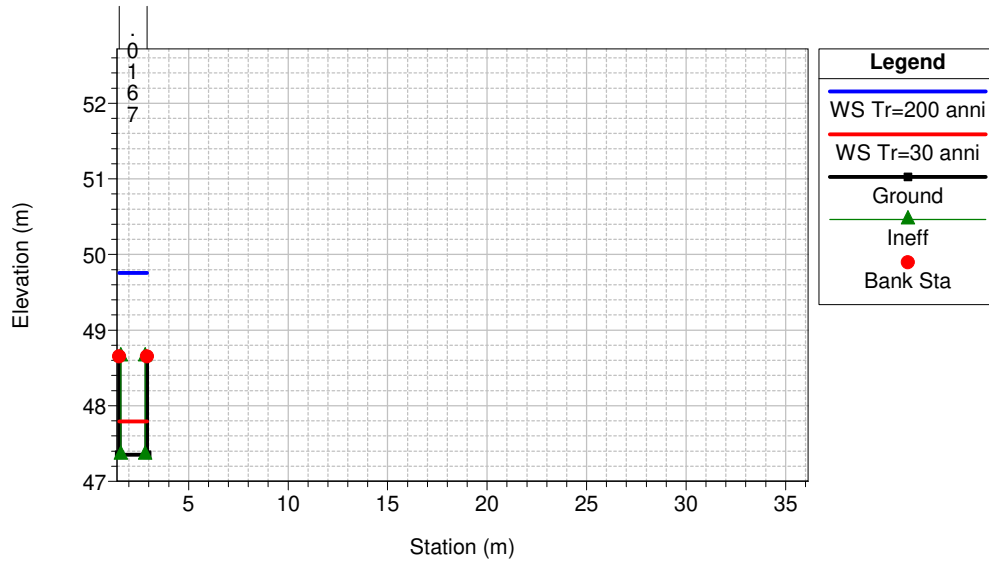
River = LAMA Reach = LAMA RS = 23.1 sez 10 bis



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

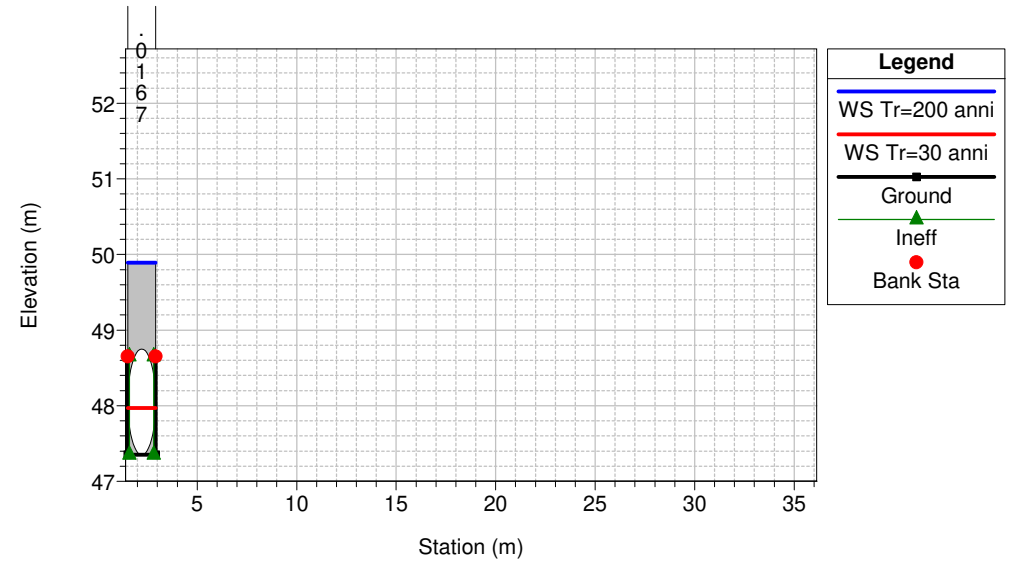
River = LAMA Reach = LAMA RS = 23 sez 10 Ponte - Monte



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

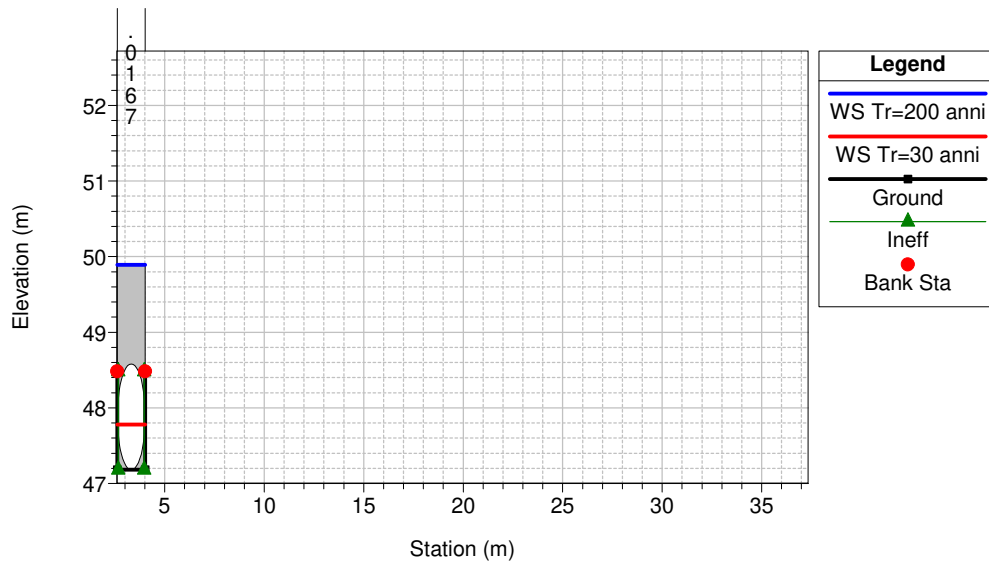
River = LAMA Reach = LAMA RS = 22.5 Culv



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

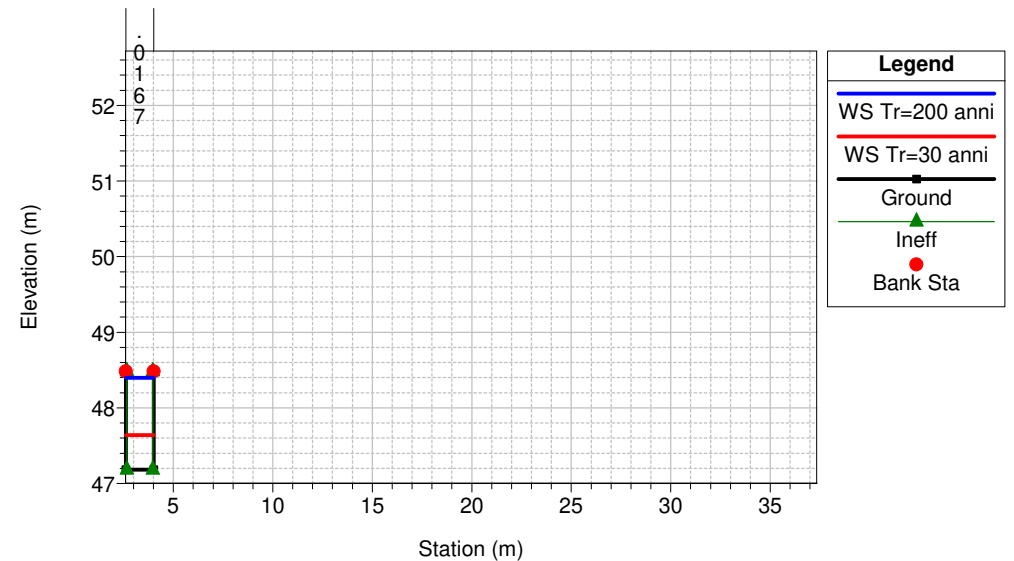
River = LAMA Reach = LAMA RS = 22.5 Culv



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

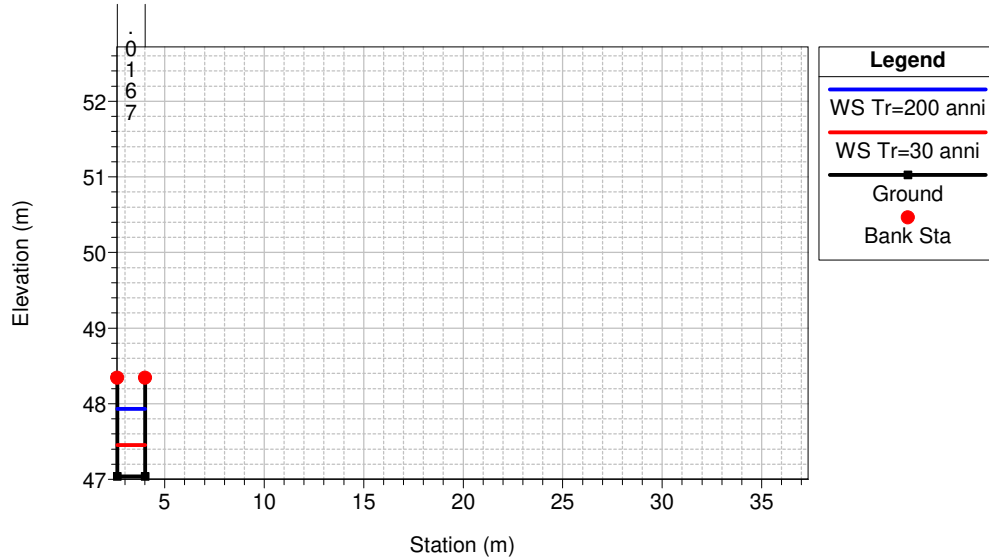
River = LAMA Reach = LAMA RS = 22 sez 9 Ponte - Valle



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

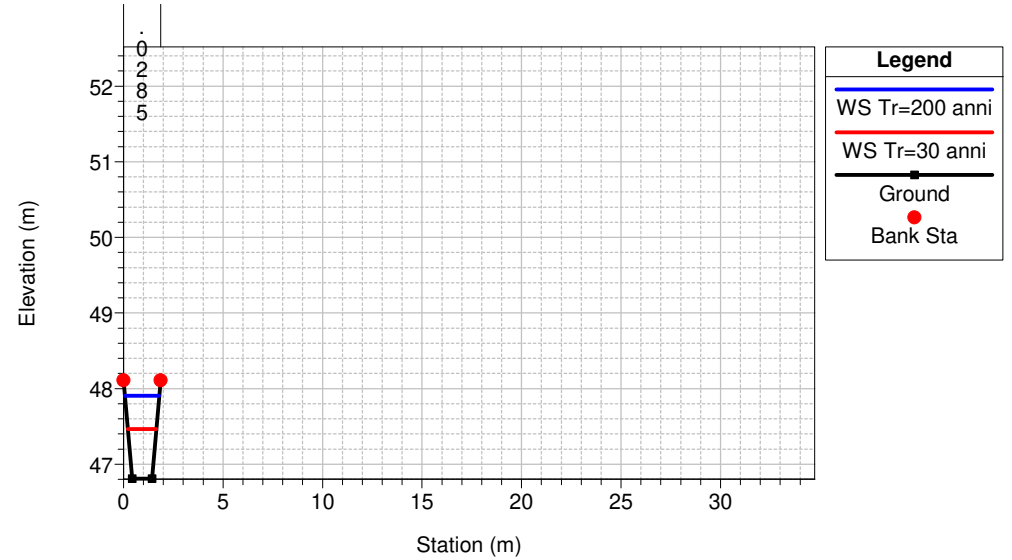
River = LAMA Reach = LAMA RS = 21.9 sez 9 bis



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

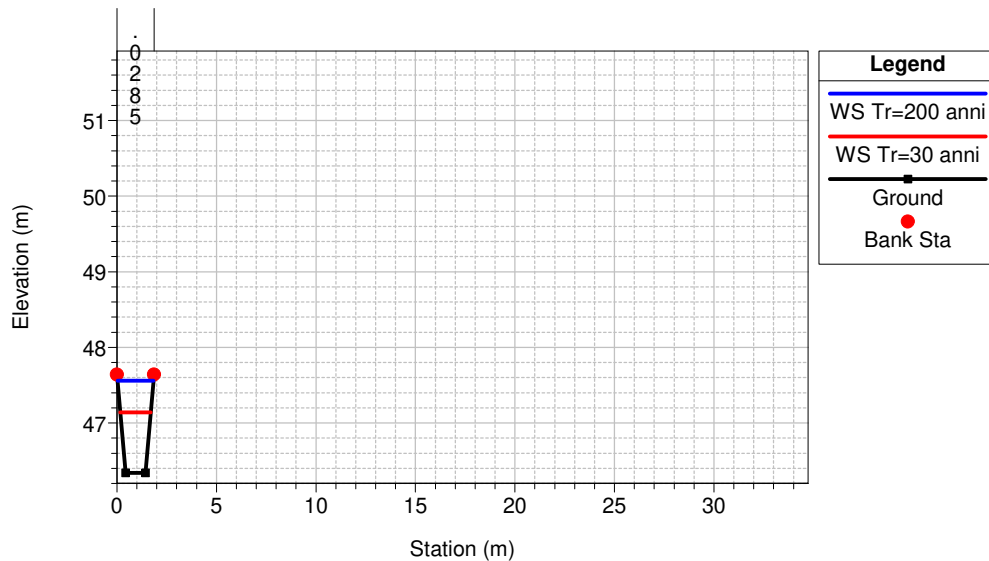
River = LAMA Reach = LAMA RS = 21 sez 8 Fine Corte Ballarano



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

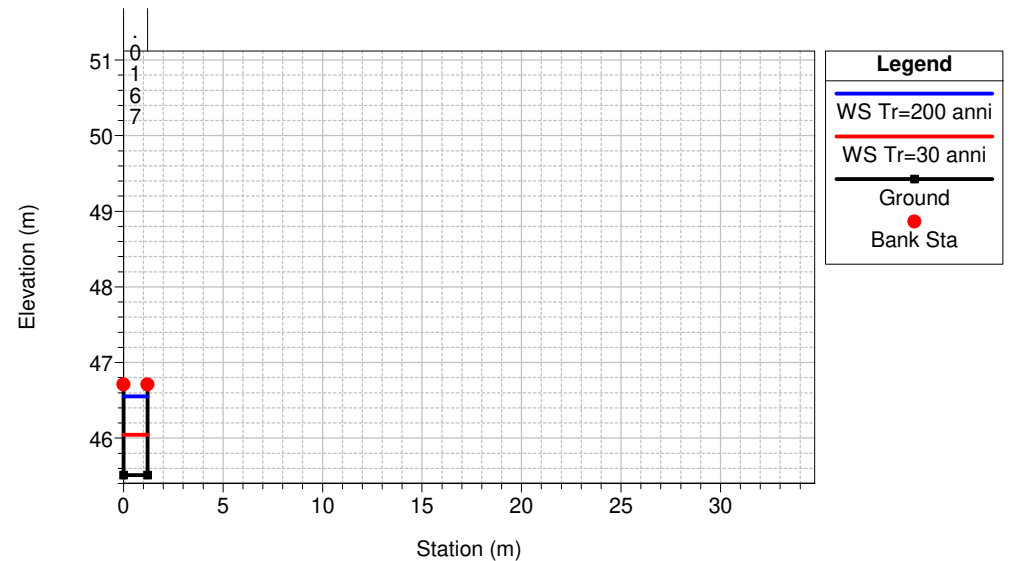
River = LAMA Reach = LAMA RS = 20 sez.7



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

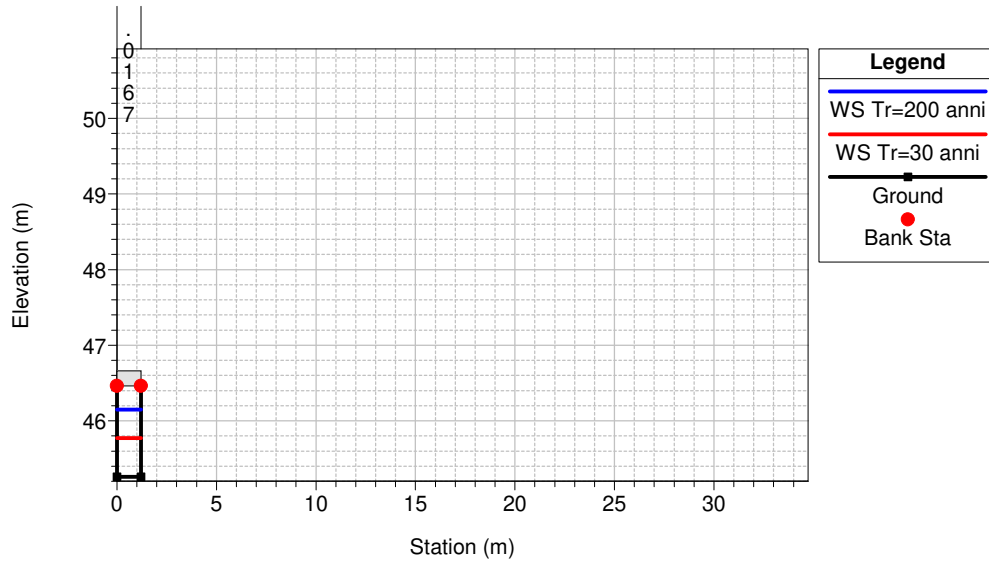
River = LAMA Reach = LAMA RS = 19.1 sez.6.5



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

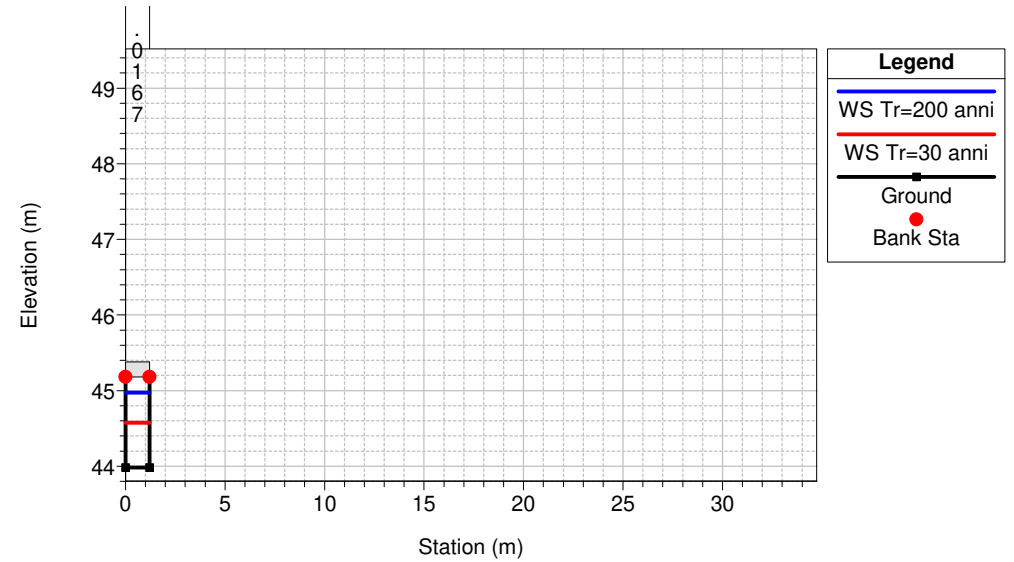
River = LAMA Reach = LAMA RS = 19 sez.6 Inizio Scatolare



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

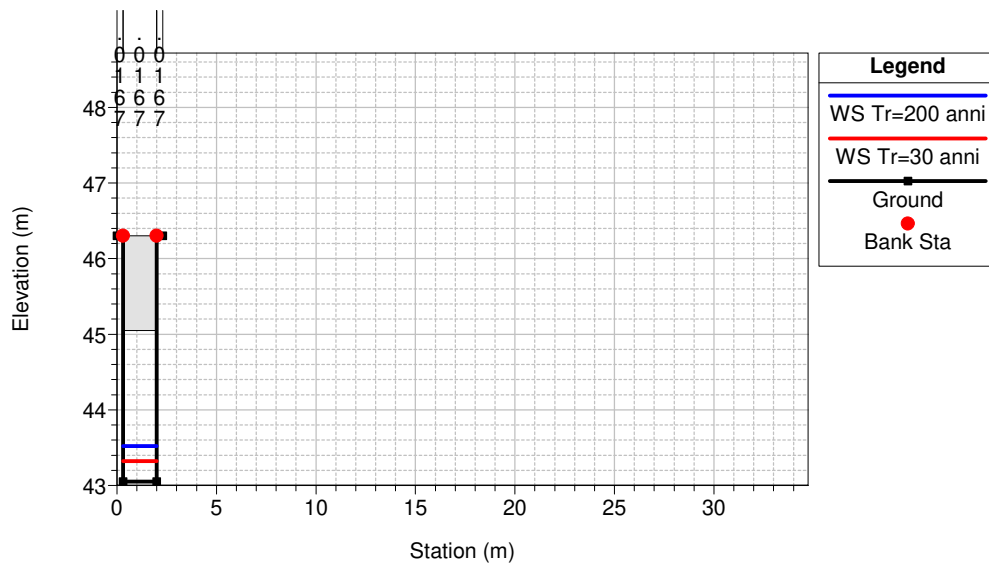
River = LAMA Reach = LAMA RS = 14.9 sez.1 Fine Scatolare



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

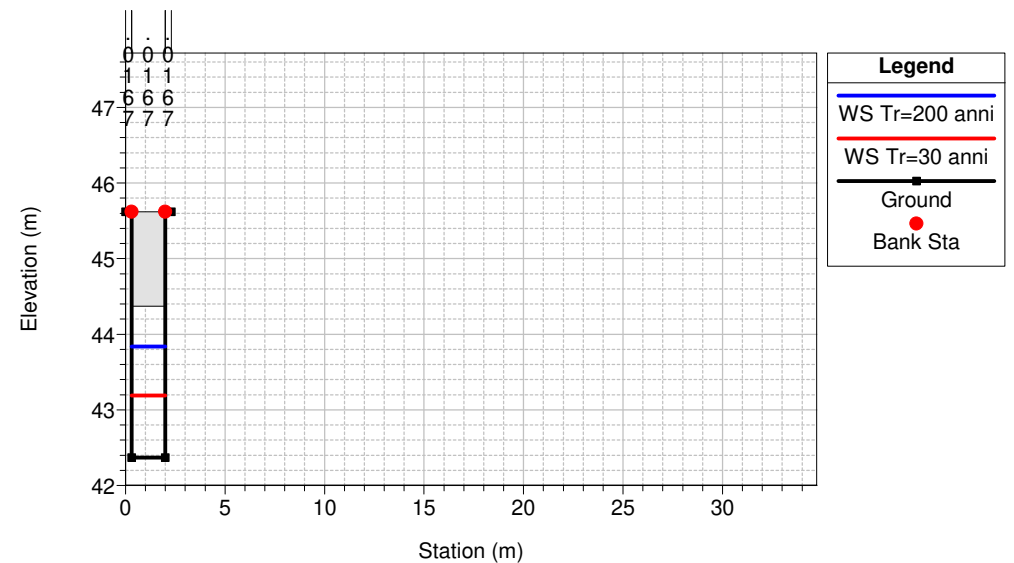
River = LAMA Reach = LAMA RS = 14.5 sez.13.6 Inizio Scatolare Angelini



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

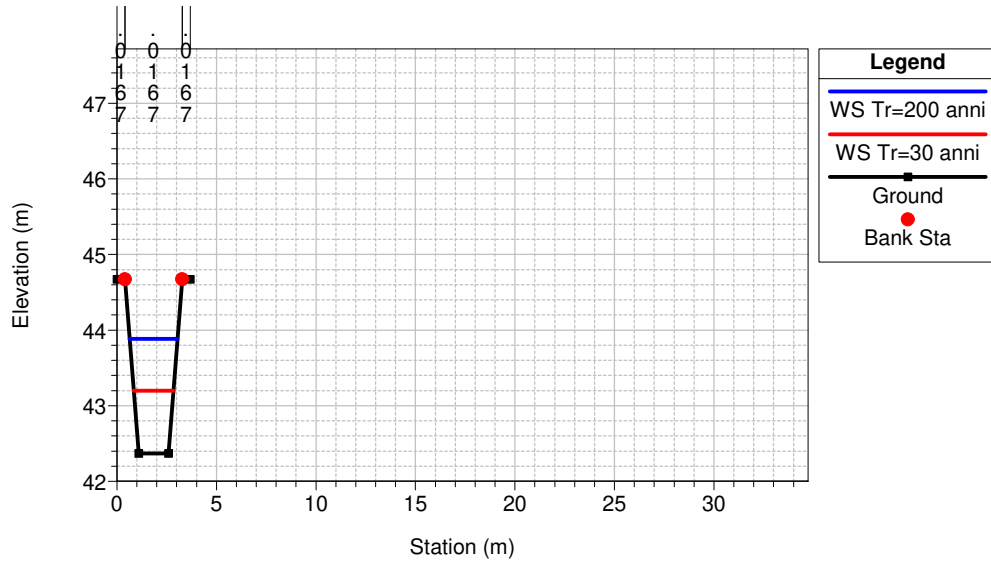
River = LAMA Reach = LAMA RS = 14.4 sez.13.5 Fine Scatolare Angelini



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

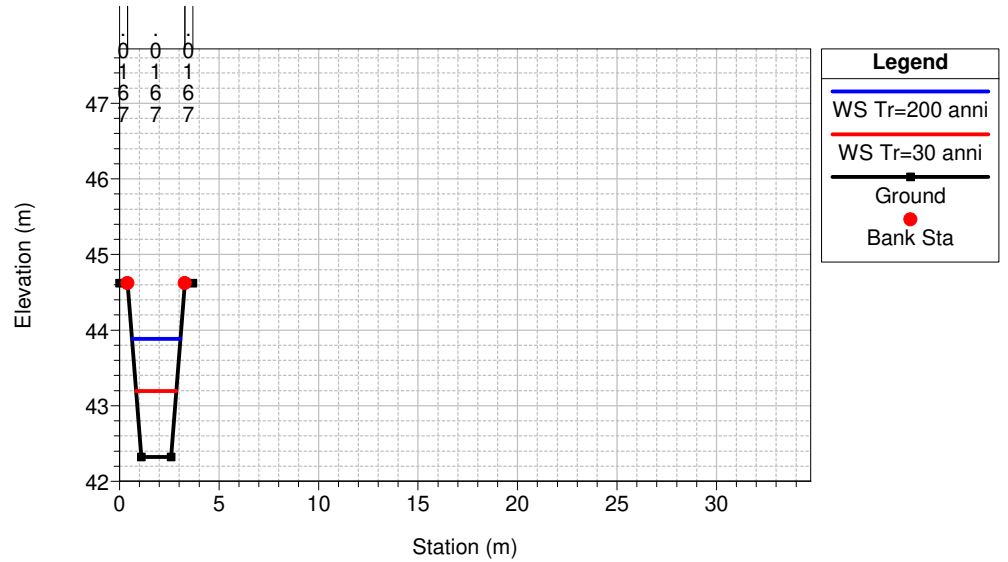
River = LAMA Reach = LAMA RS = 13.4 sez.13.4



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

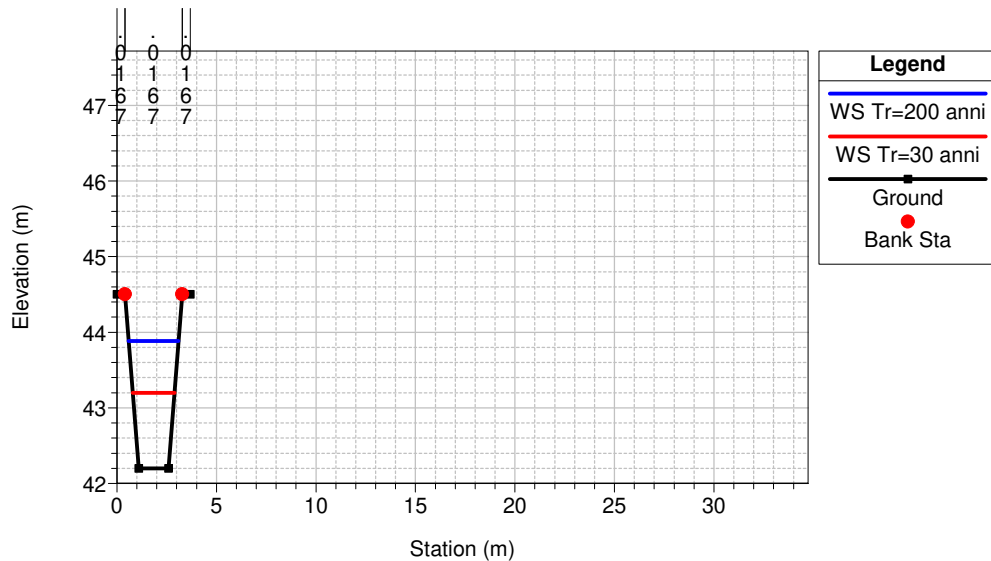
River = LAMA Reach = LAMA RS = 13.3 sez.13.3



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

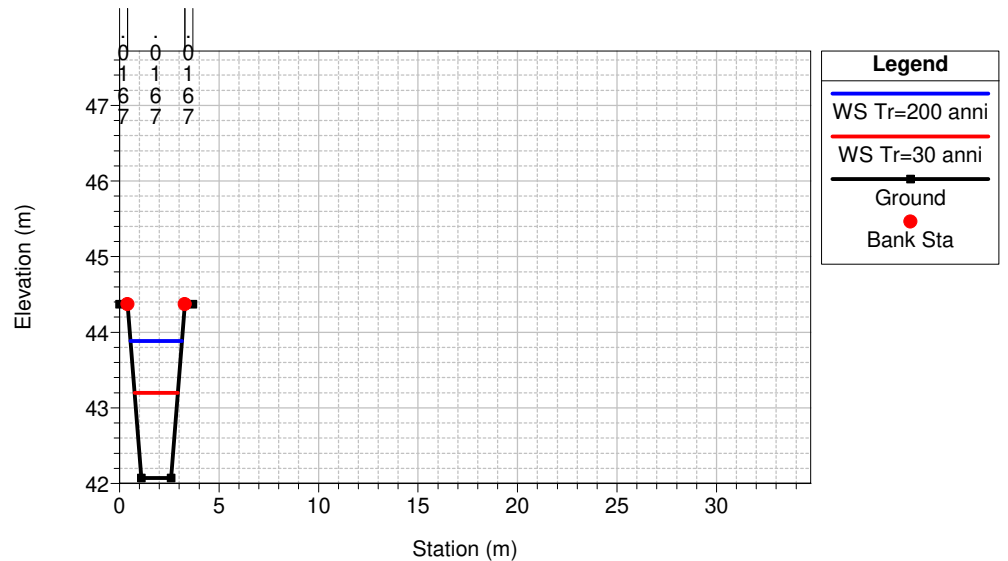
River = LAMA Reach = LAMA RS = 13.2 sez.13.2



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

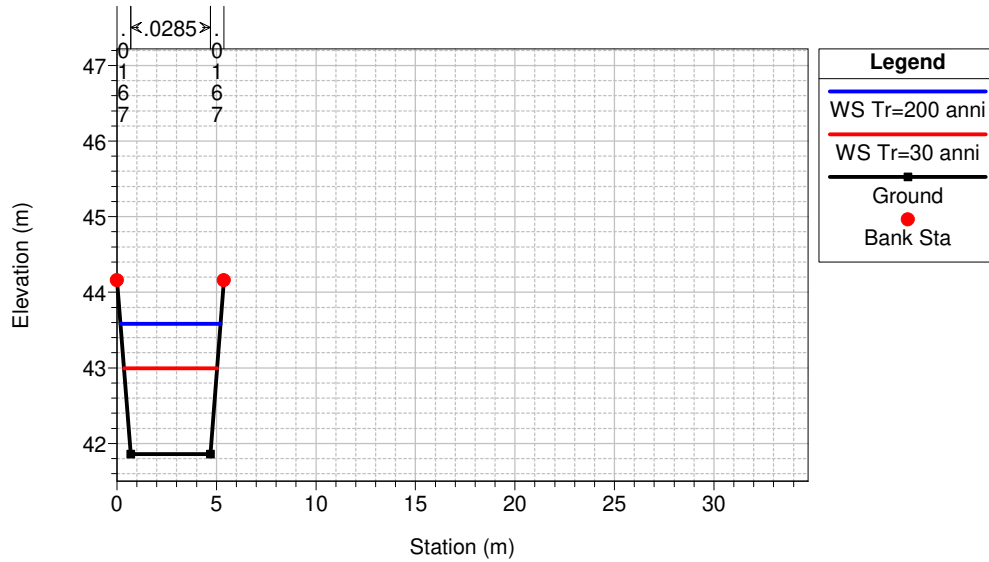
River = LAMA Reach = LAMA RS = 13.1 sez.13.1



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

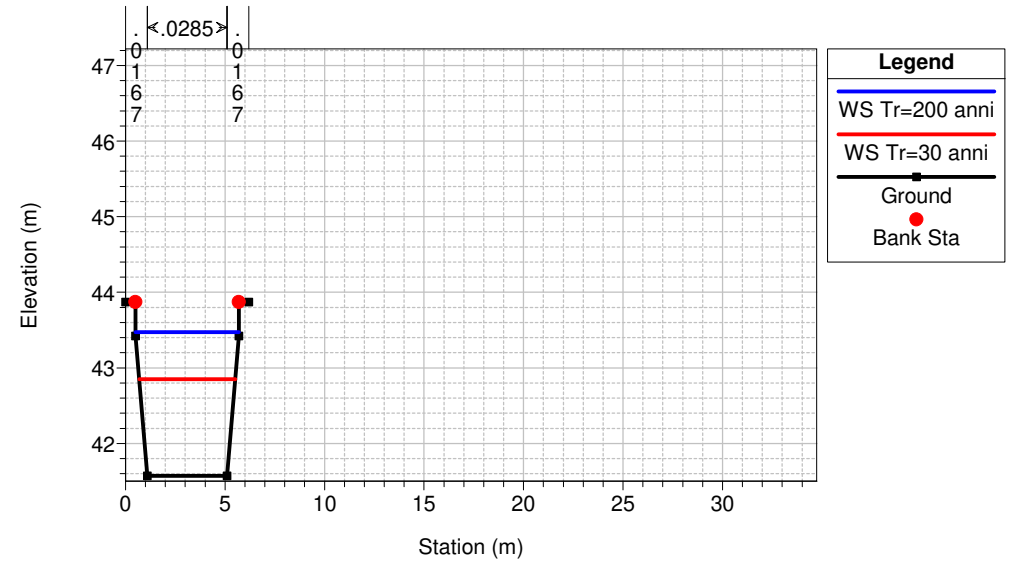
River = LAMA1 Reach = LAMA1 RS = 13 Sez 13



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

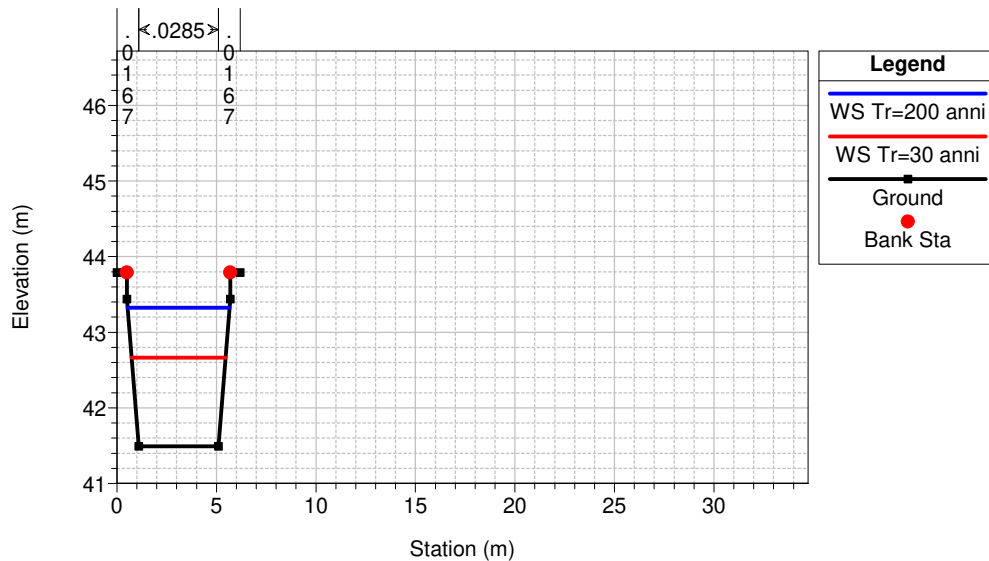
River = LAMA1 Reach = LAMA1 RS = 12.2 Sez 12.2 SEZIONE INIZIO LAVORI 3° LOTTO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

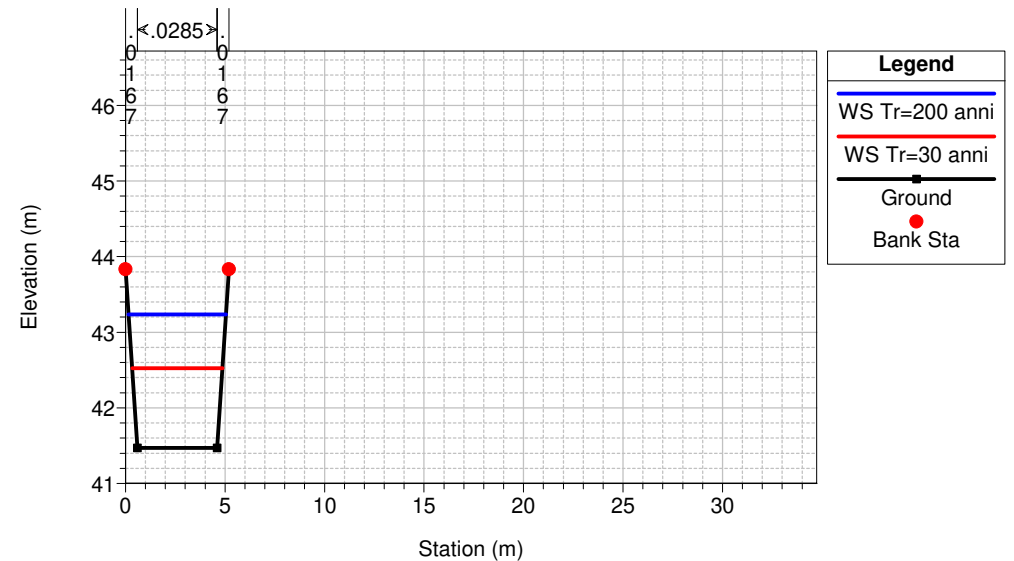
River = LAMA1 Reach = LAMA1 RS = 12 Sez 12 SEZIONE INIZIO RACCORDO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

River = LAMA1 Reach = LAMA1 RS = 11.5 Sez 11.5 SEZIONE FINE RACCORDO IN TERRA

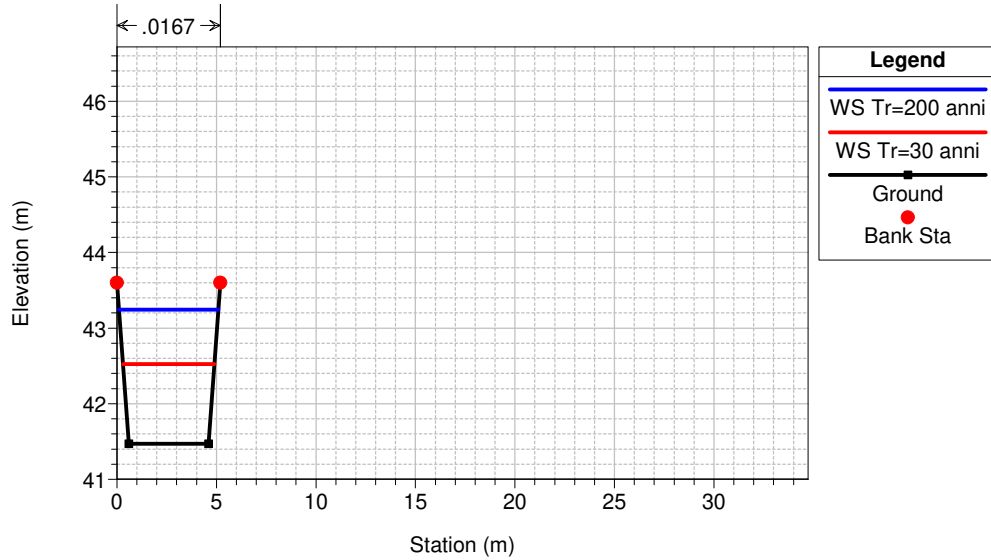


1 cm Horiz. = 3.8 m 1 cm Vert. = 1 m

Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

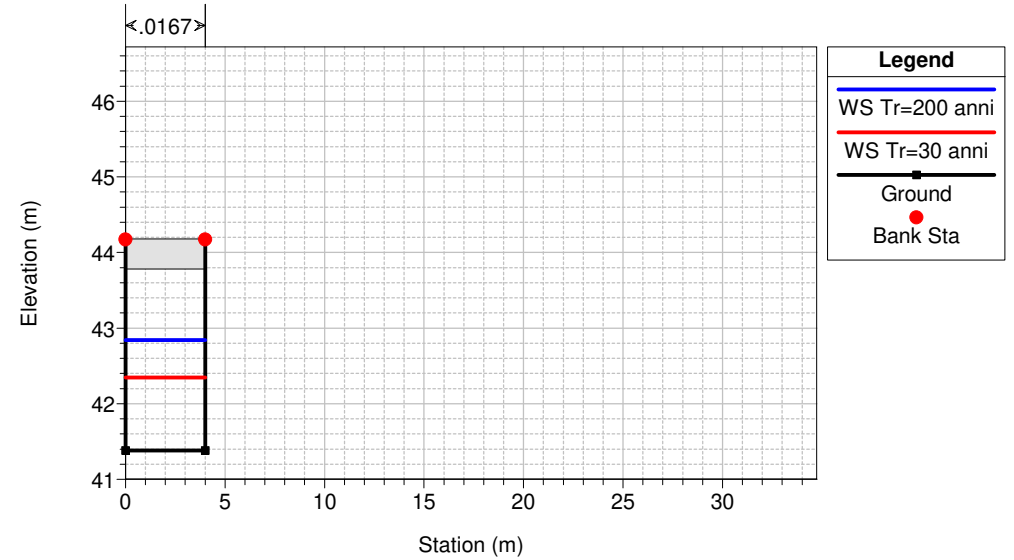
River = LAMA1 Reach = LAMA1 RS = 11.3 Sez 11.3 SEZIONE FINE RACCORDO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

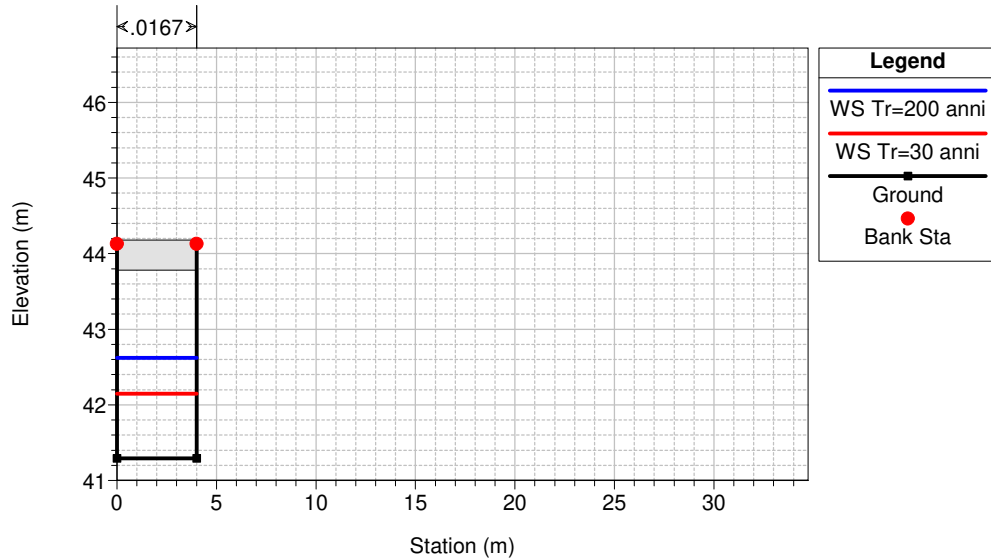
River = LAMA1 Reach = LAMA1 RS = 11.2 Sez 11.2 SEZIONE INIZIO SCATOLARE TRAVERSA VIA DELLA CROCE



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

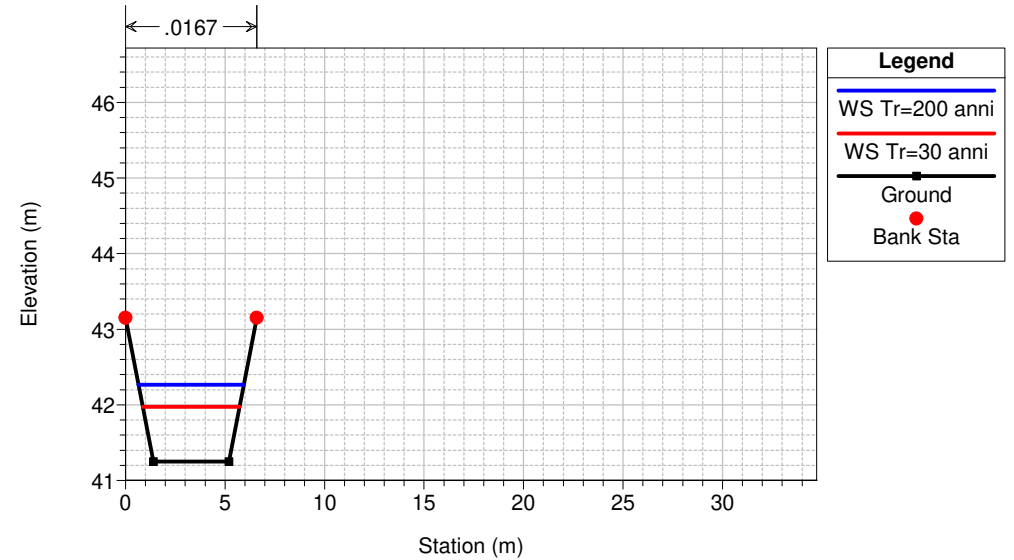
River = LAMA1 Reach = LAMA1 RS = 11.1 Sez 11.1 SEZIONE FINE SCATOLARE TRAVERSA VIA DELLA CROCE



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

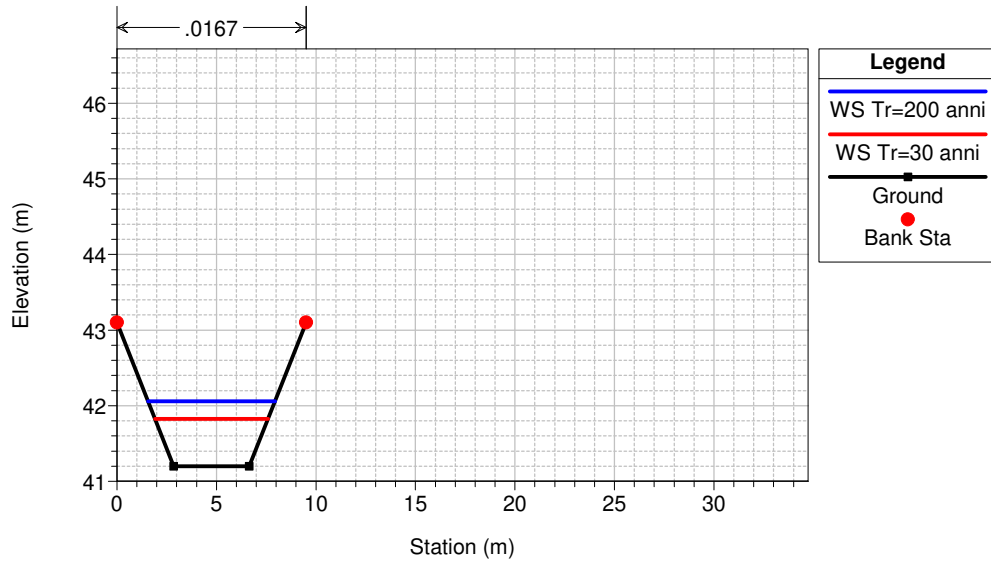
River = LAMA1 Reach = LAMA1 RS = 11 Sez 11



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

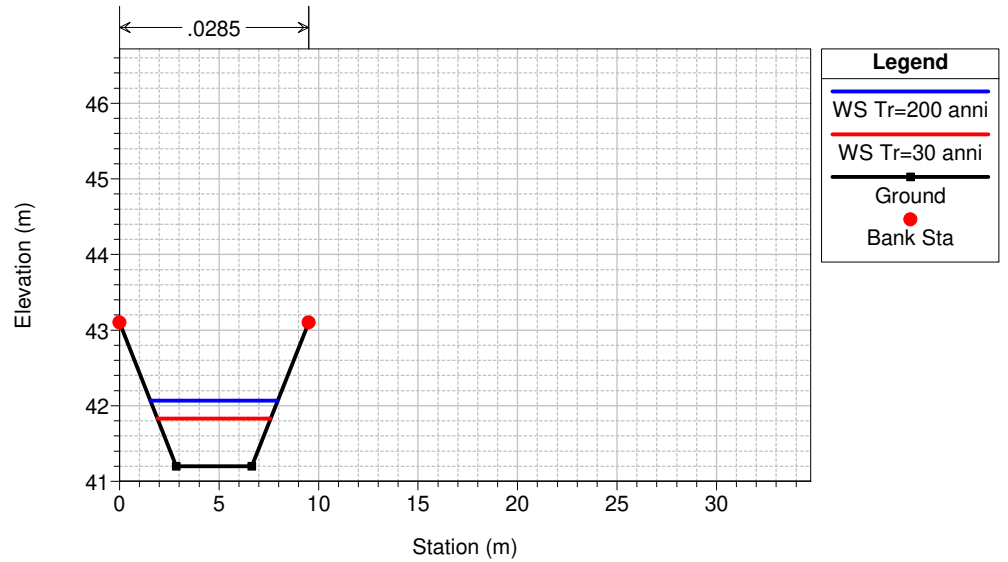
River = LAMA1 Reach = LAMA1 RS = 10.1 Sez 10.1 SEZIONE FINE RACCORDO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

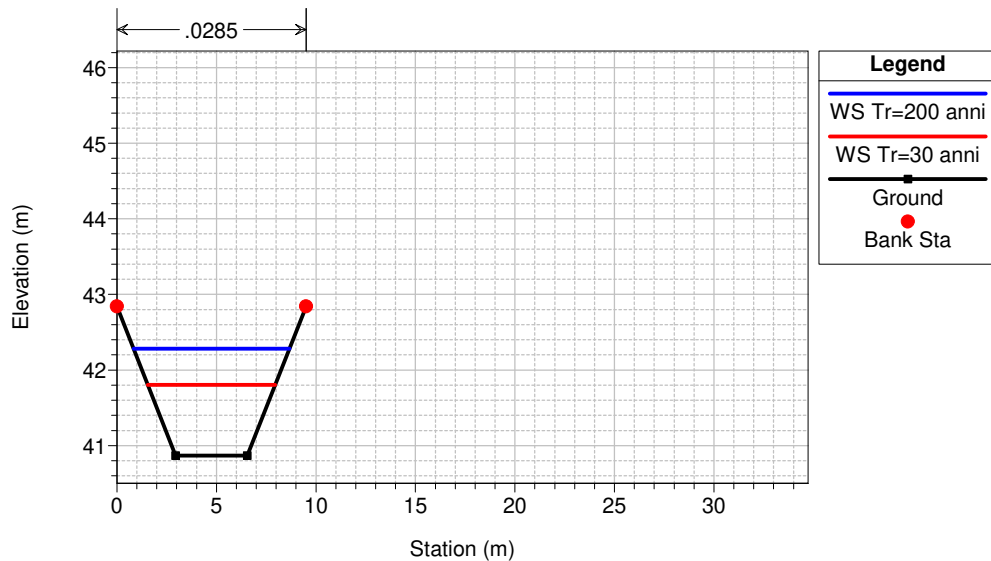
River = LAMA1 Reach = LAMA1 RS = 10.08 Sez 10.08 SEZIONE IN TERRA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

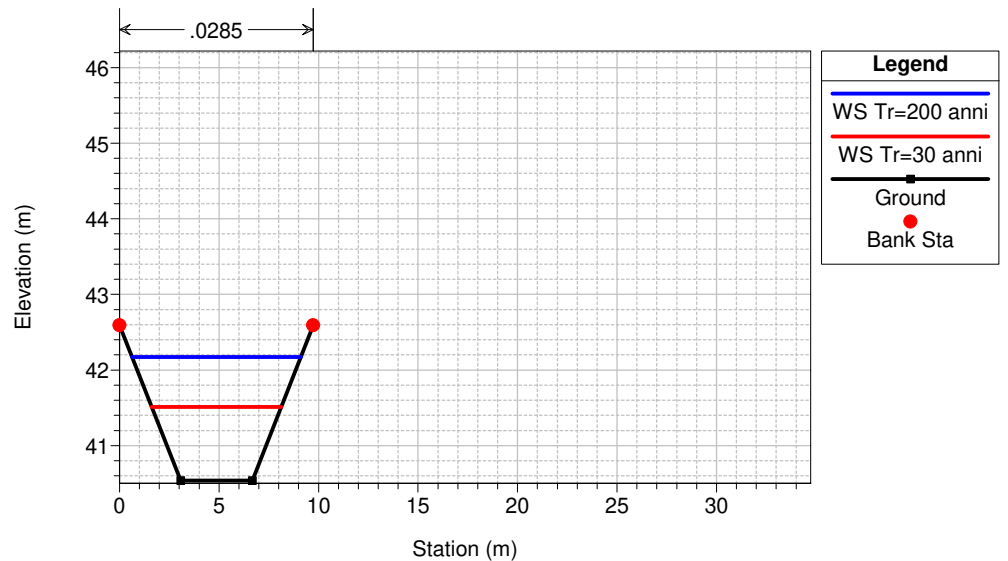
River = LAMA1 Reach = LAMA1 RS = 10.05 Sez 10.05 SEZIONE 10 - BIS



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

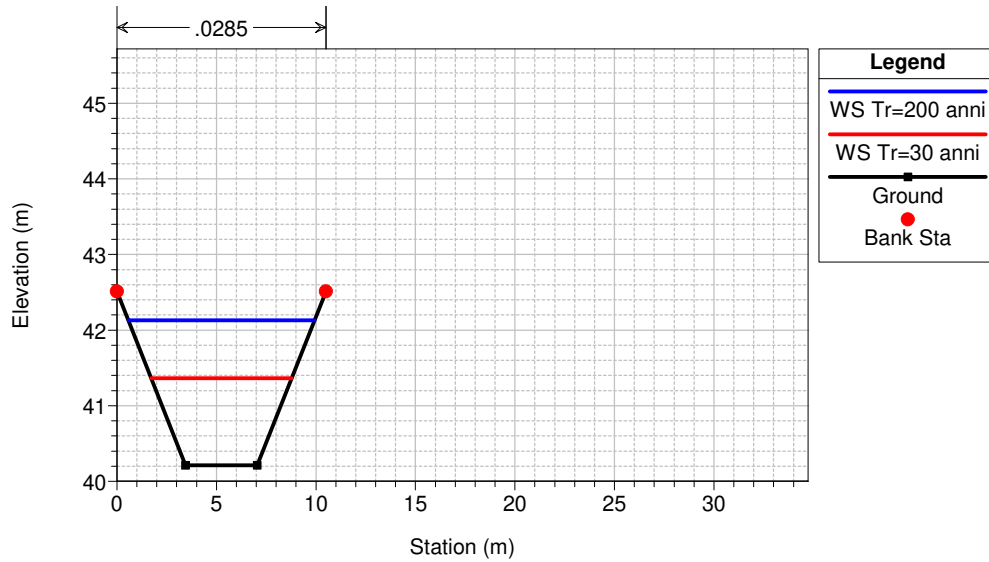
River = LAMA1 Reach = LAMA1 RS = 10 Sez 10



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

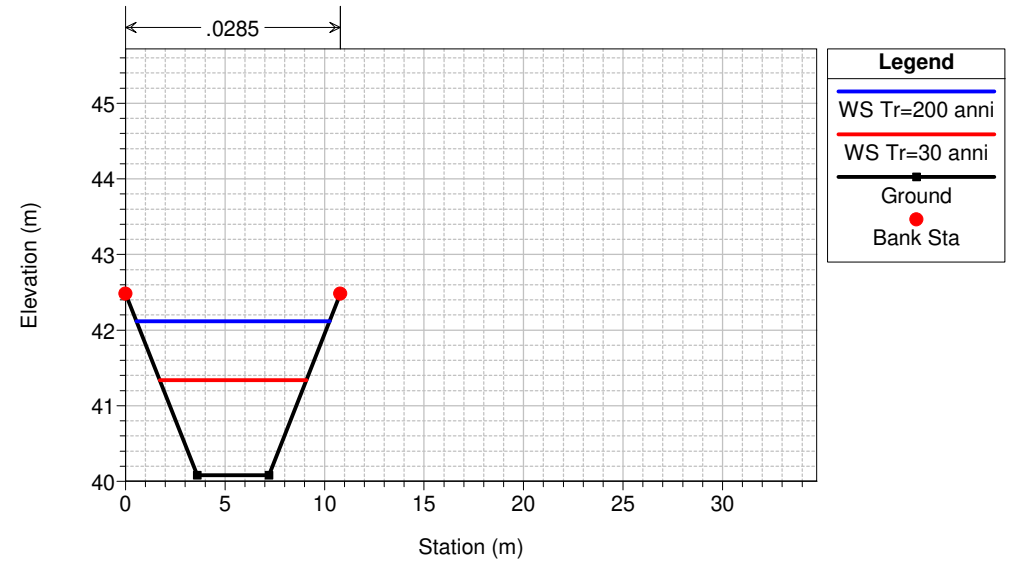
River = LAMA1 Reach = LAMA1 RS = 9.5 Sez 9.5 SEZIONE 9 - BIS



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

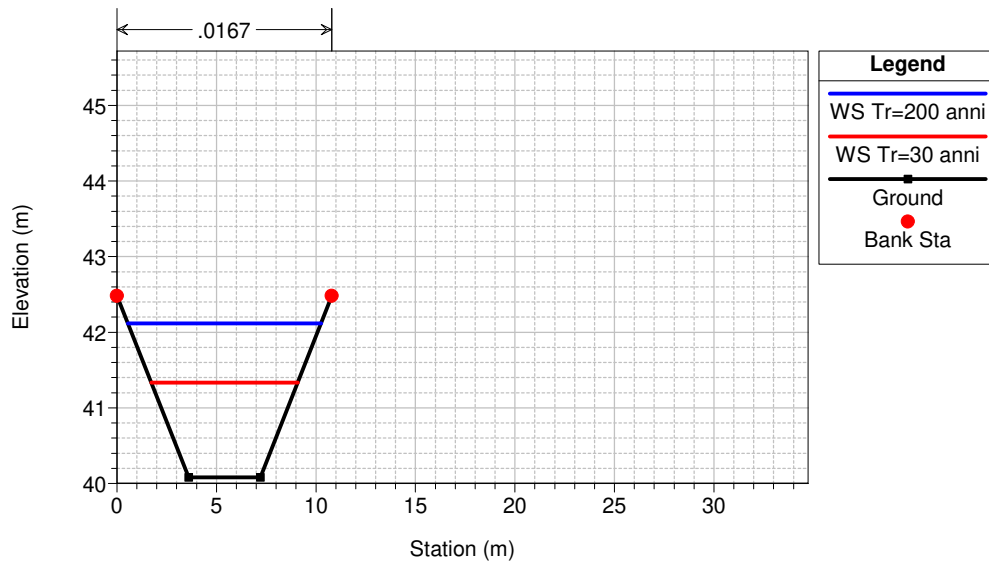
River = LAMA1 Reach = LAMA1 RS = 9.3 Sez 9.3 SEZIONE IN TERRA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

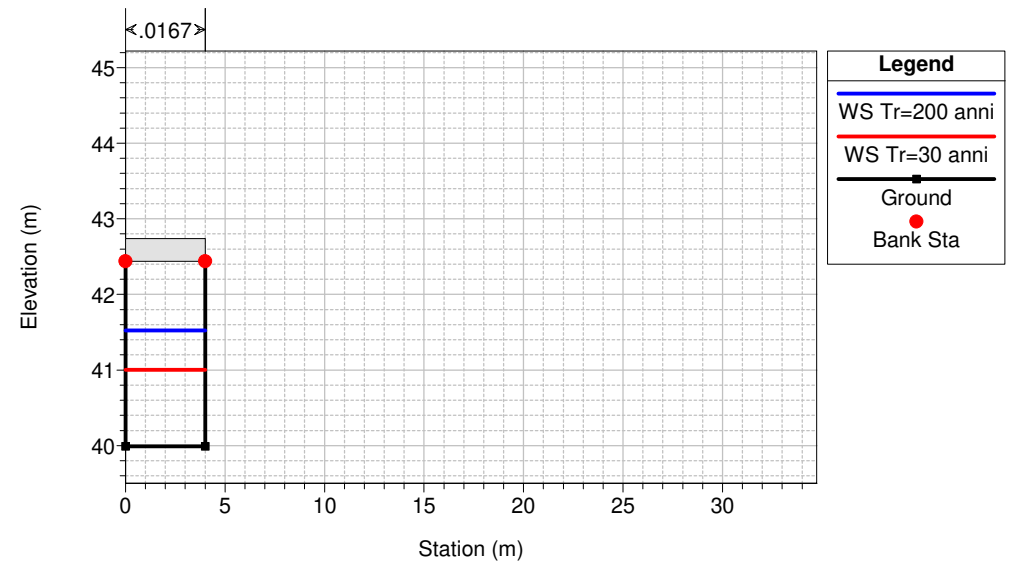
River = LAMA1 Reach = LAMA1 RS = 9.2 Sez 9.2 SEZIONE INIZIO RACCORDO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

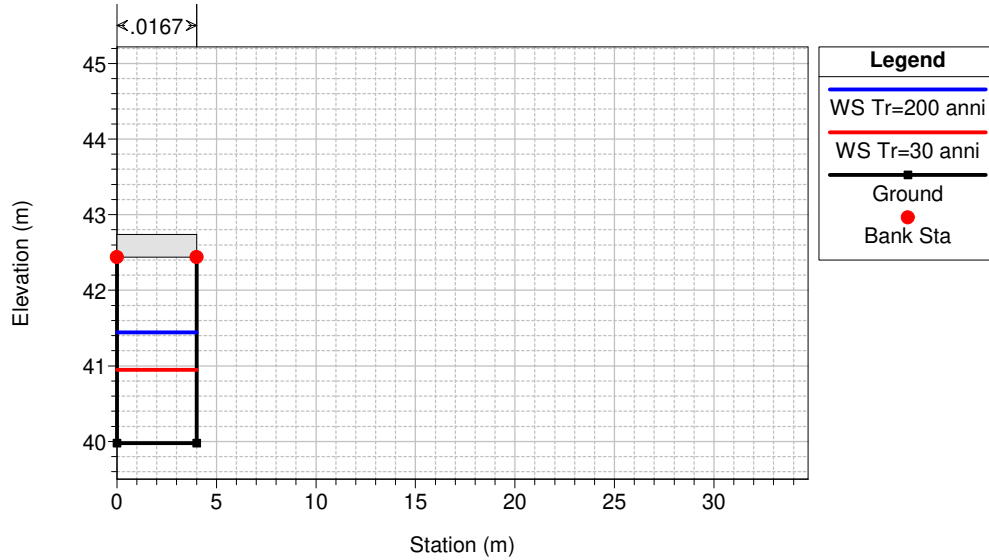
River = LAMA1 Reach = LAMA1 RS = 9.1 Sez 9.1 SEZIONE INIZIO SCATOLARE



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

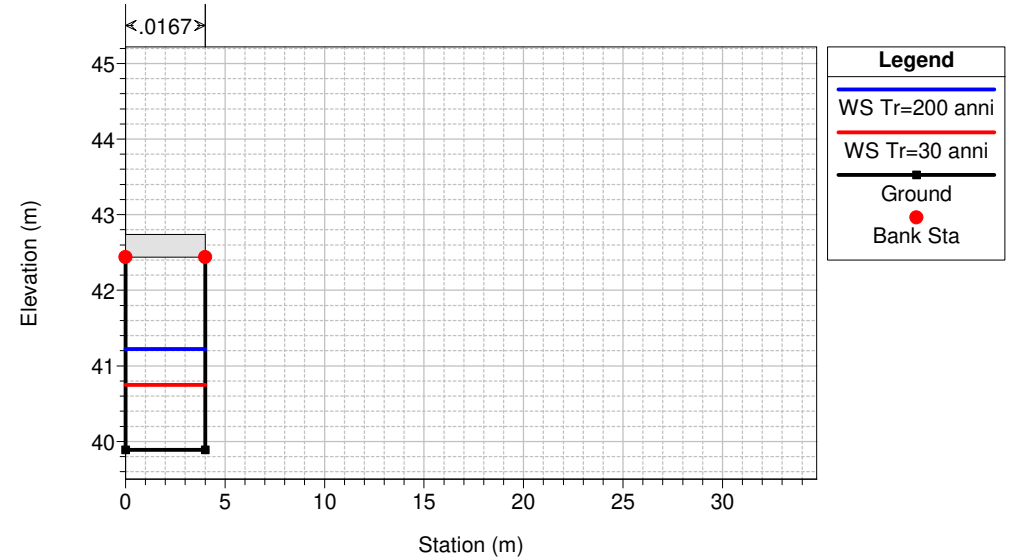
River = LAMA1 Reach = LAMA1 RS = 9 Sez 9 SEZIONE SOPRA IL CANALE FOSSA NUOVA VIA DELLA GROTTA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

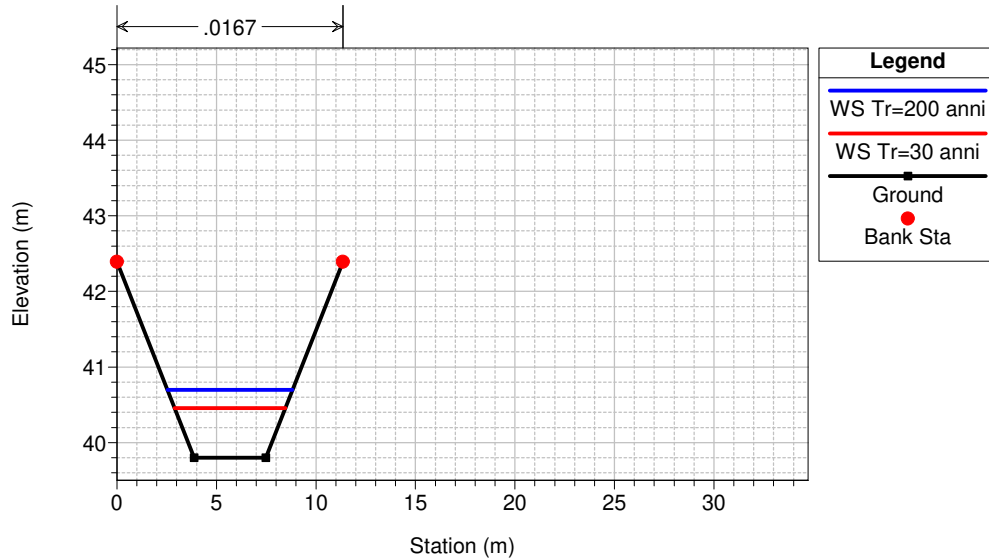
River = LAMA1 Reach = LAMA1 RS = 8.2 Sez 8.2 SEZIONE INIZIO RACCORDO FINE VIA DELLA GROTTA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

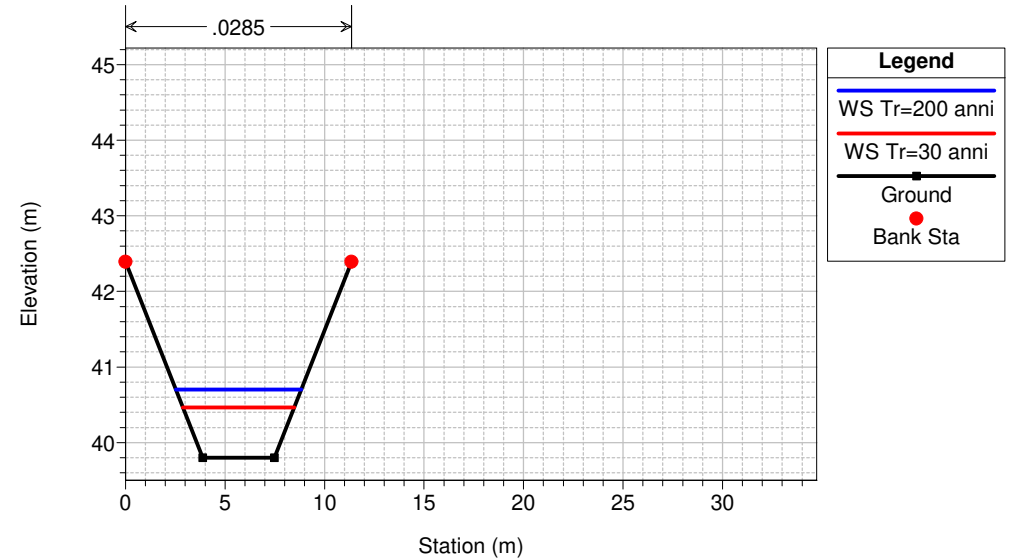
River = LAMA1 Reach = LAMA1 RS = 8.1 Sez 8.1 SEZIONE FINE RACCORDO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

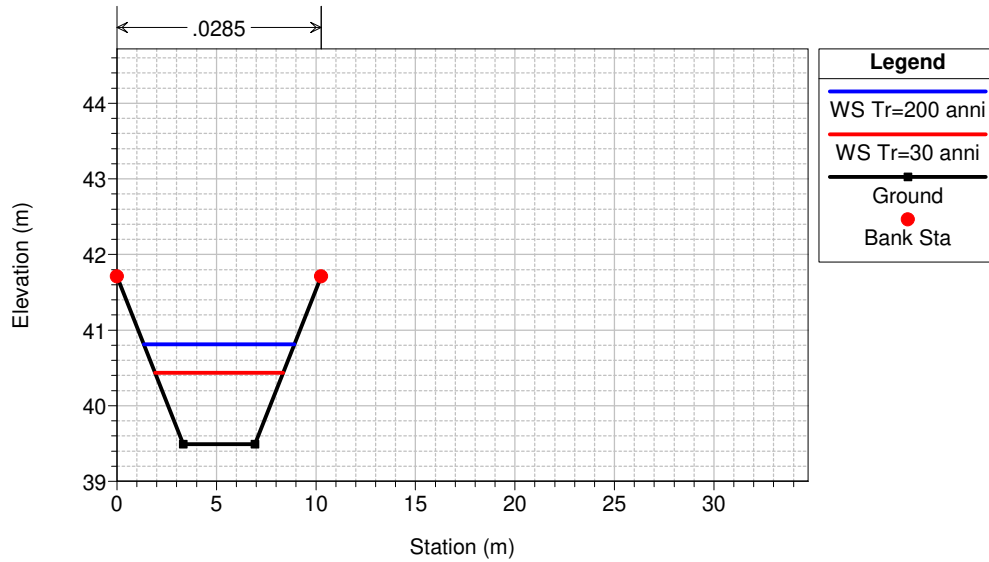
River = LAMA1 Reach = LAMA1 RS = 8.05 Sez 8.05 SEZIONE IN TERRA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

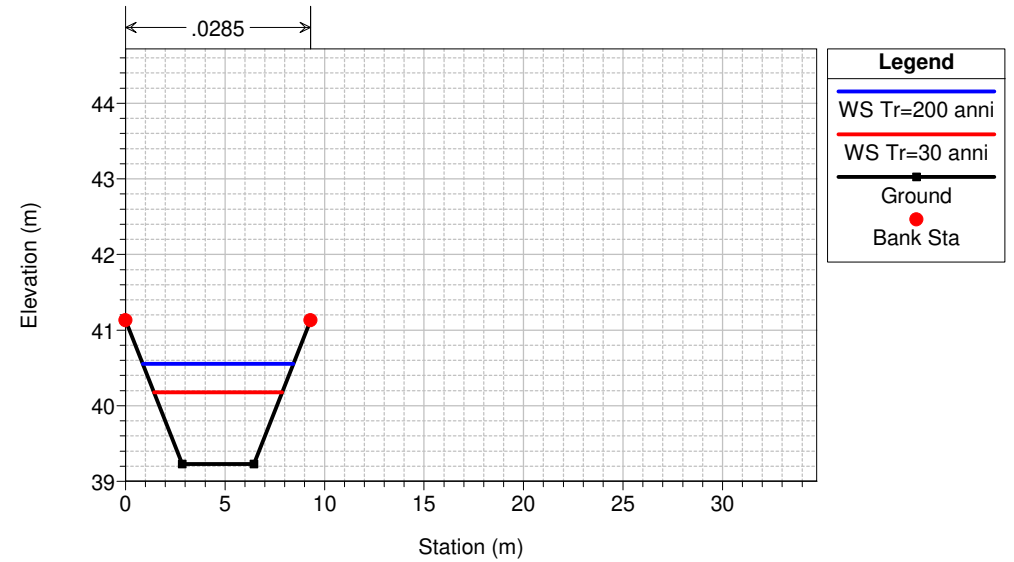
River = LAMA1 Reach = LAMA1 RS = 8.03 Sez 8.03 SEZIONE IN TERRA 8 - BIS



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

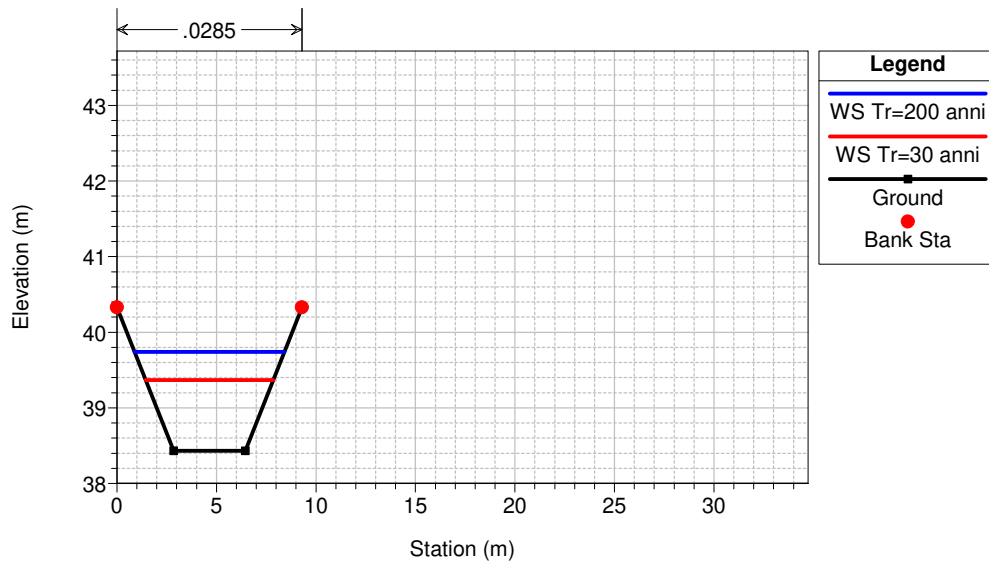
River = LAMA1 Reach = LAMA1 RS = 8 Sez 8



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

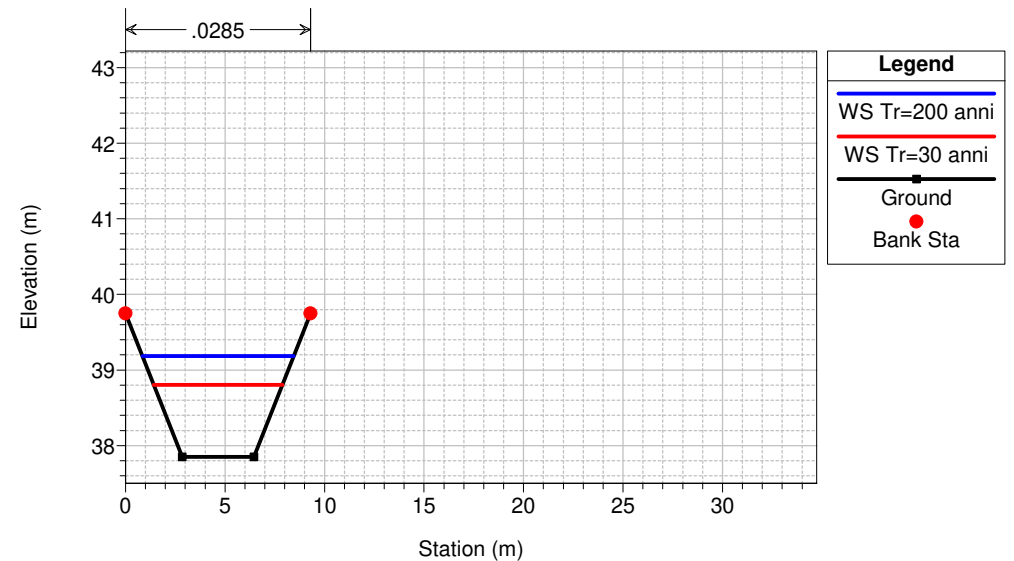
River = LAMA1 Reach = LAMA1 RS = 7 Sez 7



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

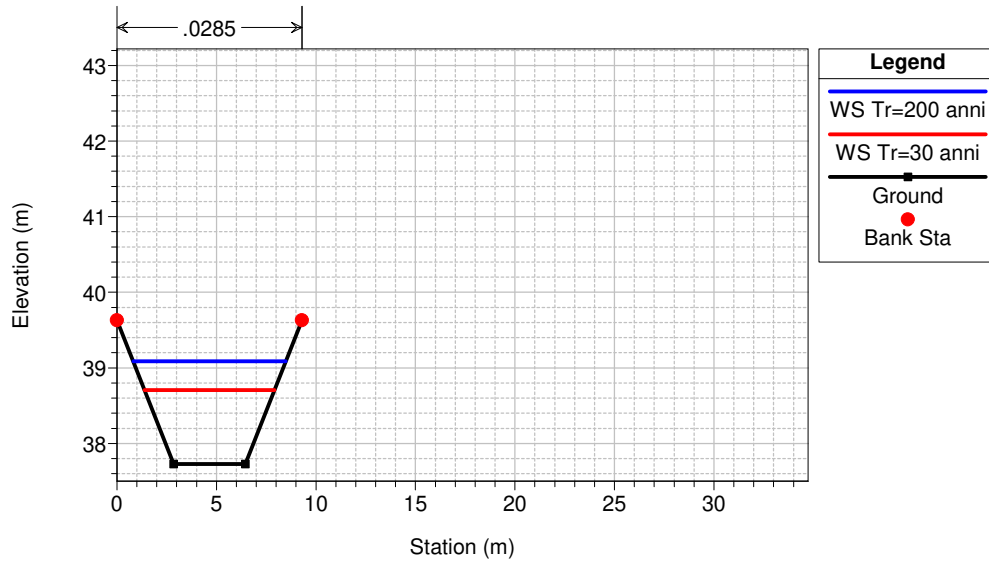
River = LAMA1 Reach = LAMA1 RS = 6 Sez 6



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

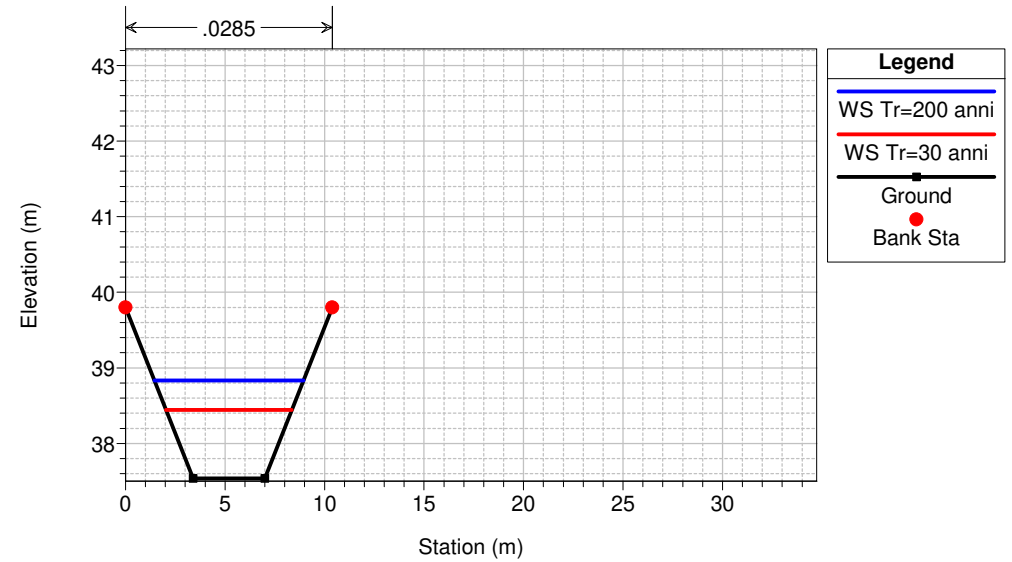
River = LAMA1 Reach = LAMA1 RS = 5.4 Sez 5.4 IN ASSE SIFONE CANALE GIALLO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

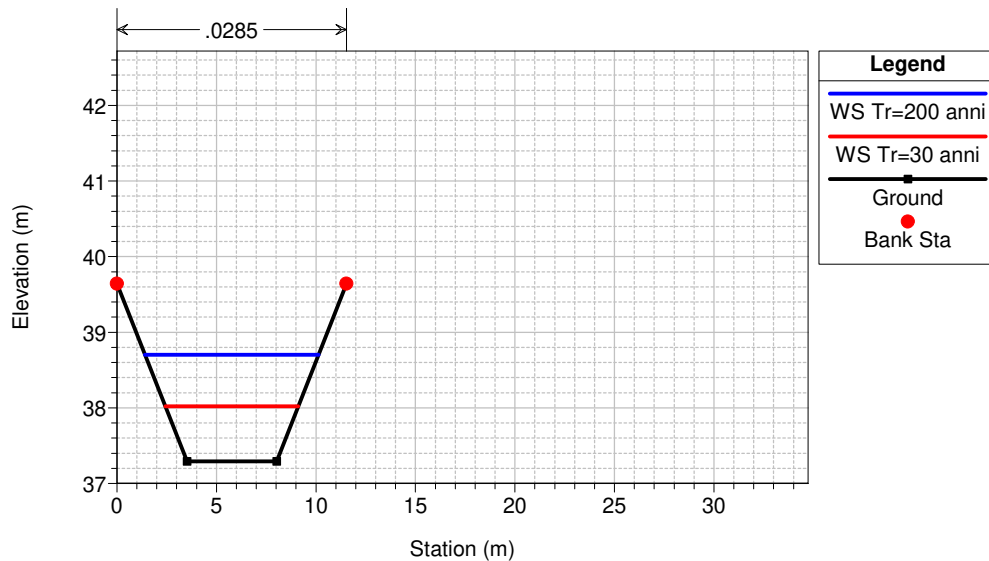
River = LAMA1 Reach = LAMA1 RS = 5.3 Sez 5.3 SEZIONE INIZIO DEVIAZIONE



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

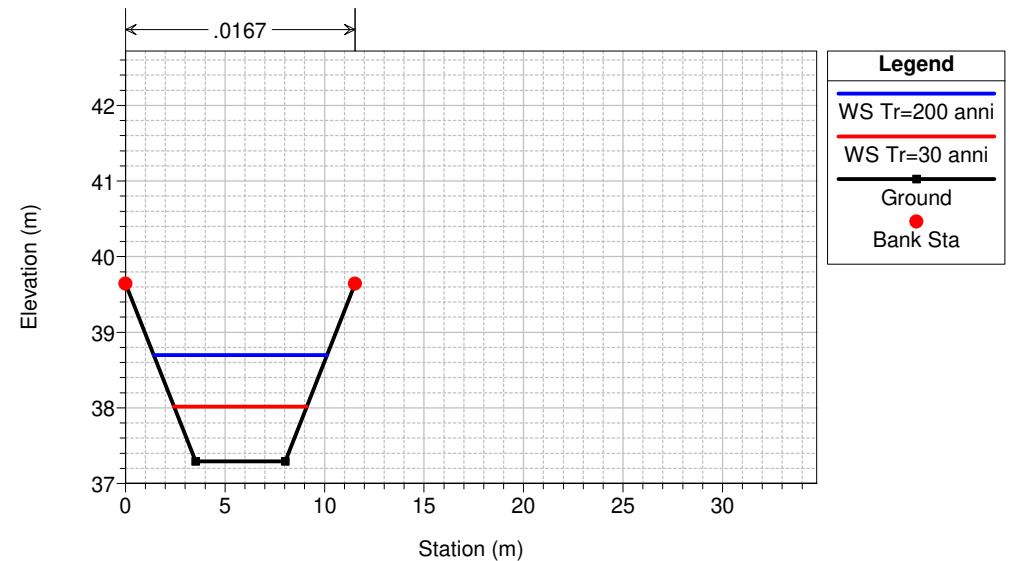
River = LAMA1 Reach = LAMA1 RS = 5.25 Sez 5.25 SEZIONE IN TERRA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

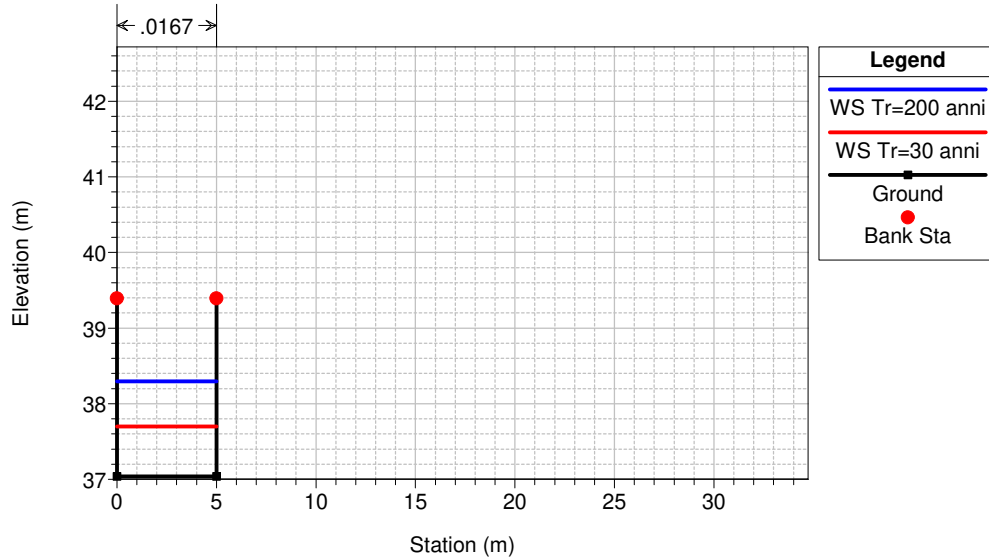
River = LAMA1 Reach = LAMA1 RS = 5.2 Sez 5.2 SEZIONE INIZIO RACCORDO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

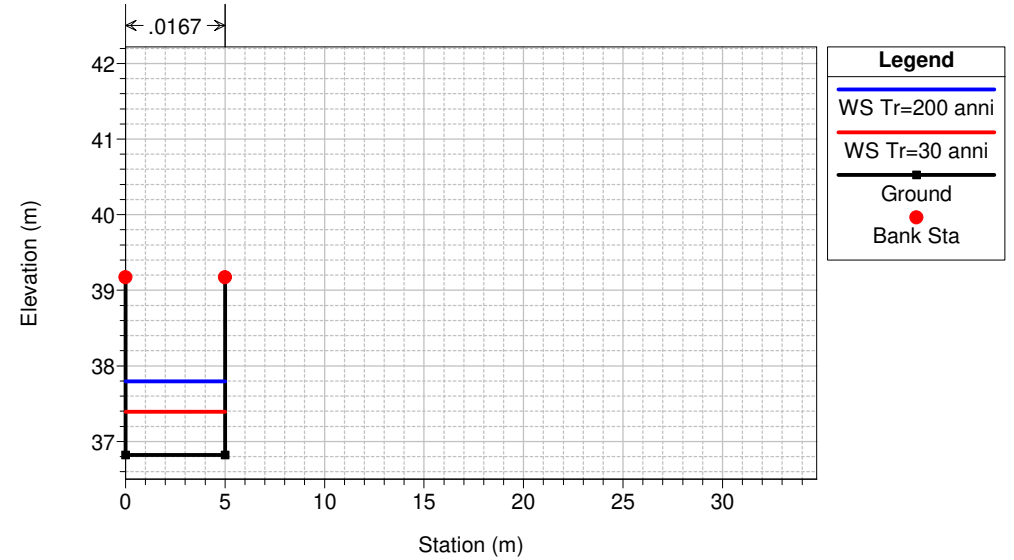
River = LAMA1 Reach = LAMA1 RS = 5.1 Sez 5.1 SEZIONE FINE RACCORDO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

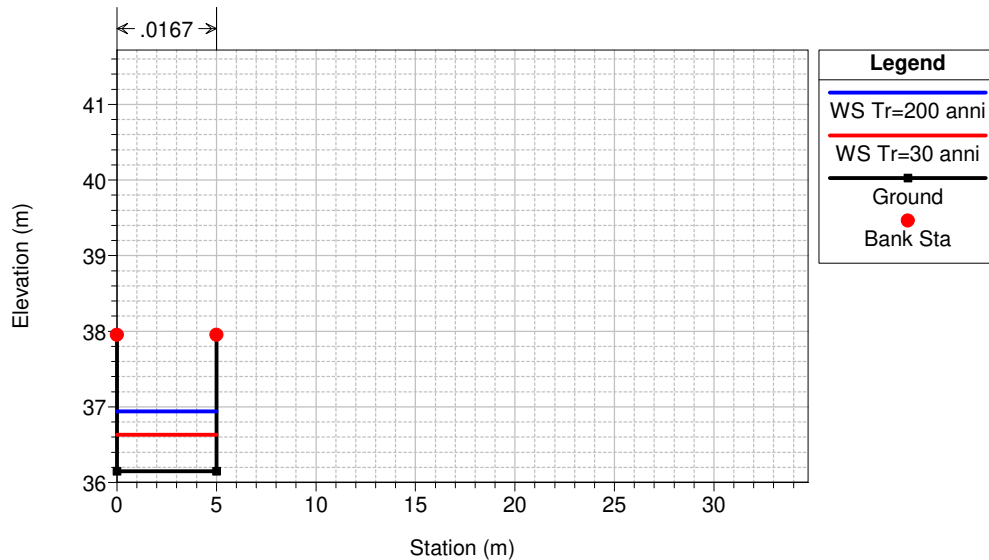
River = LAMA1 Reach = LAMA1 RS = 5 Sez 5



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

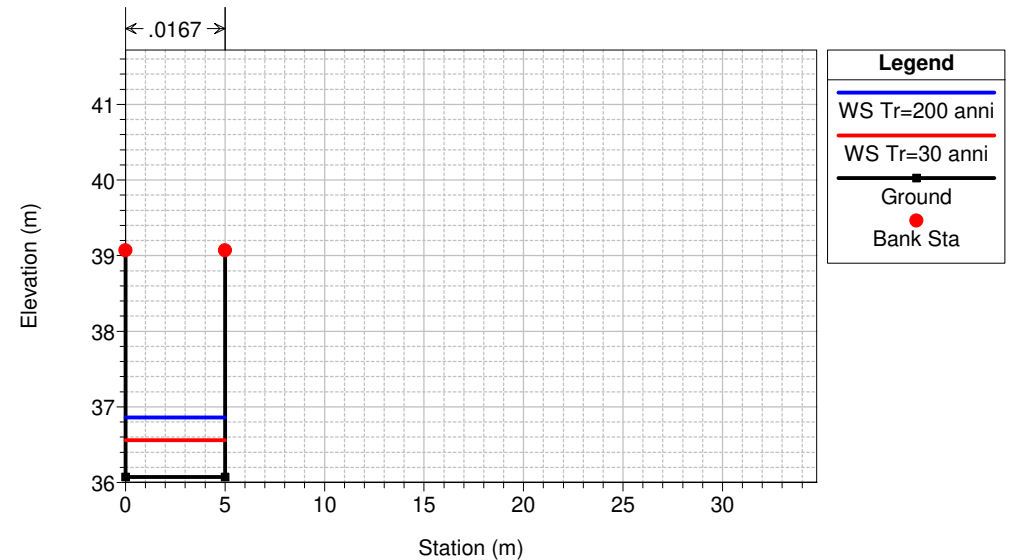
River = LAMA1 Reach = LAMA1 RS = 2.8 Sez 2.8 SEZIONE INIZIO ABBASSAMENTO PER SOTTOPASSO FF.SS.



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

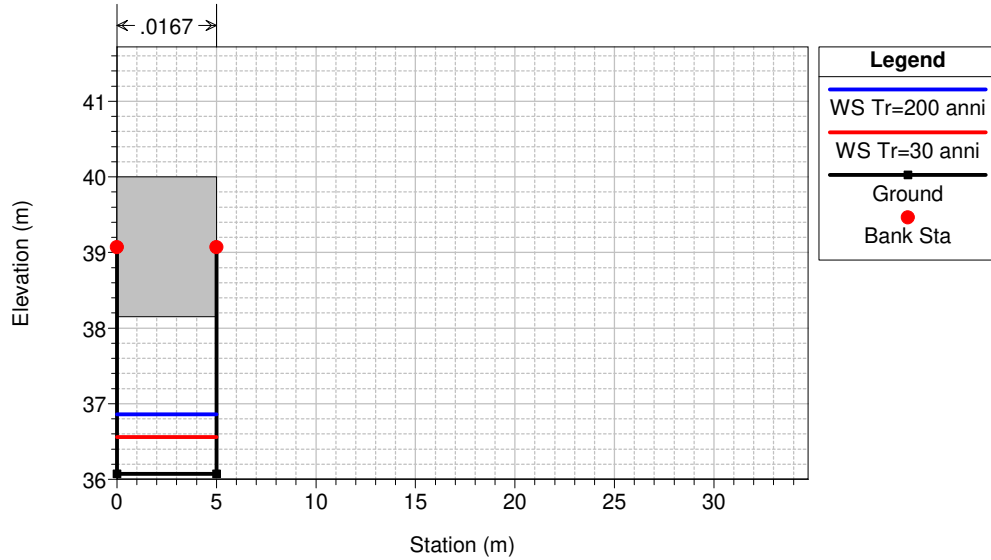
River = LAMA1 Reach = LAMA1 RS = 2.7 Sez 2.7 SEZIONE INIZIO MONOLITE



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

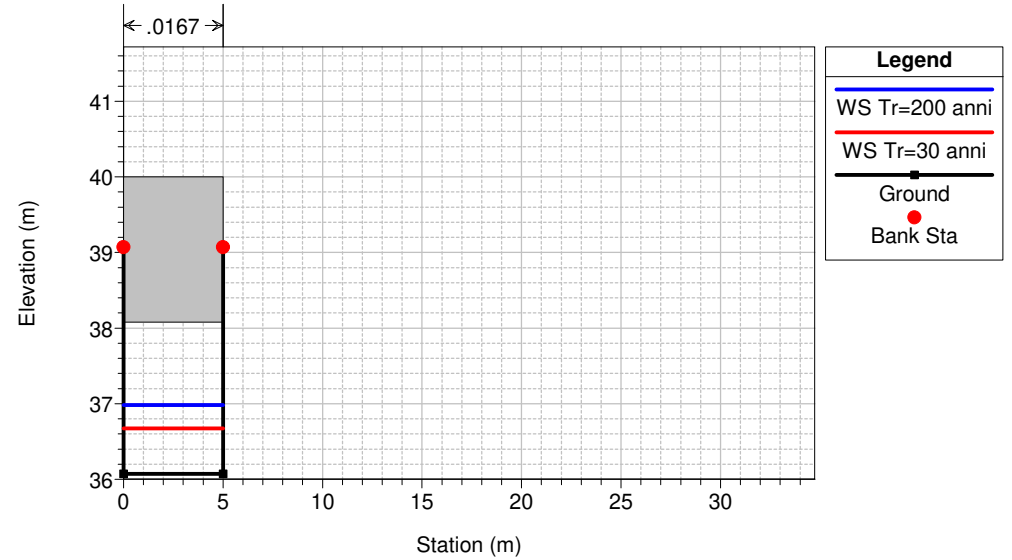
River = LAMA1 Reach = LAMA1 RS = 2.65 BR MONOLITE SOTTO LA FF.SS.



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

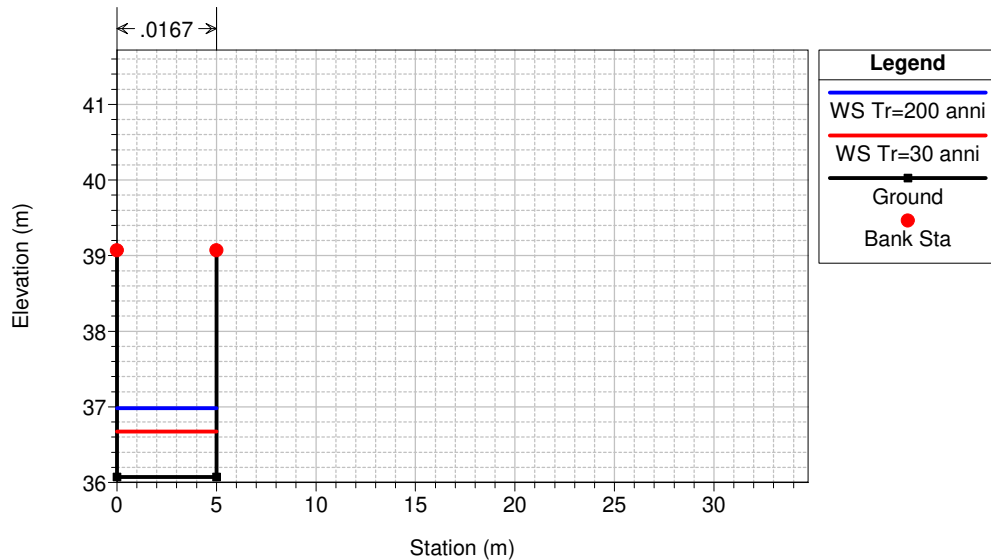
River = LAMA1 Reach = LAMA1 RS = 2.65 BR MONOLITE SOTTO LA FF.SS.



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

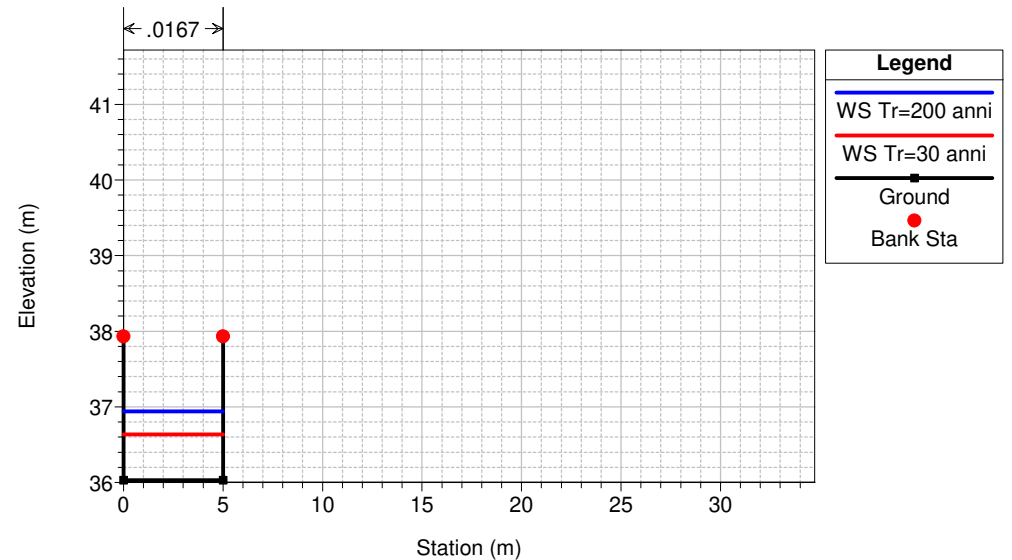
River = LAMA1 Reach = LAMA1 RS = 2.6 Sez 2.6 SEZIONE FINE MONOLITE



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

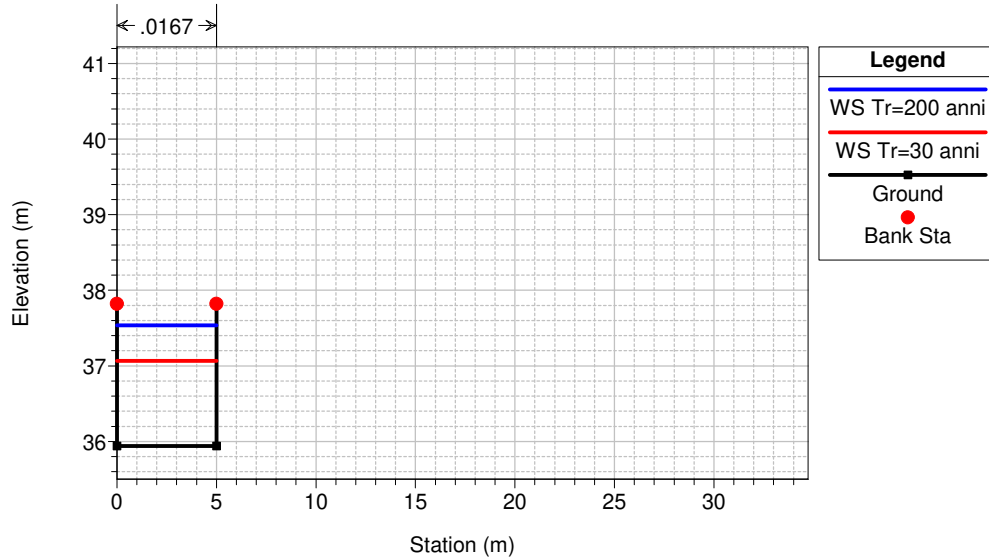
River = LAMA1 Reach = LAMA1 RS = 2.5 Sez 2.5 SEZIONE SOTTOPASSO FF.SS.



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

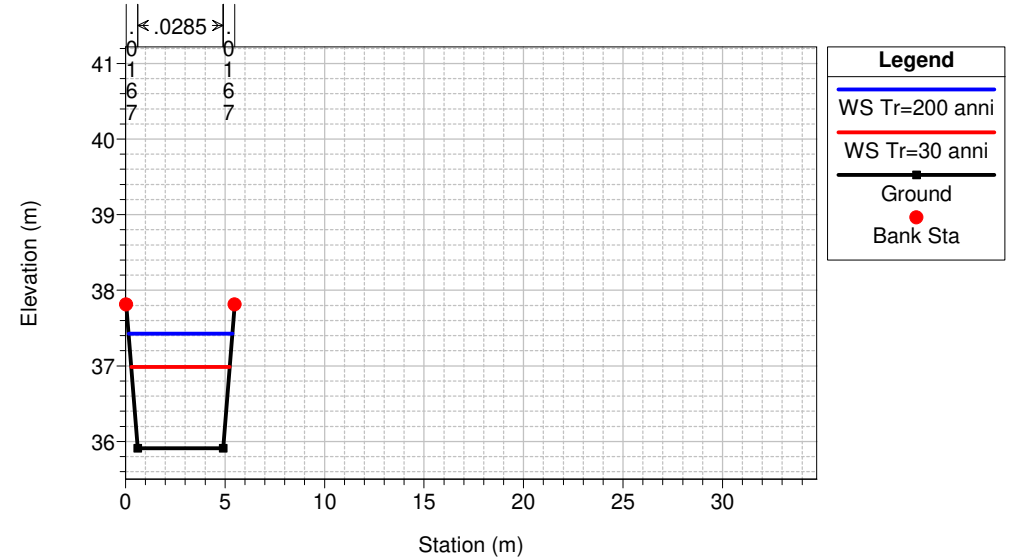
River = LAMA1 Reach = LAMA1 RS = 2.41 Sez 2.41 SEZIONE SOTTOPASSO FF.SS.



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

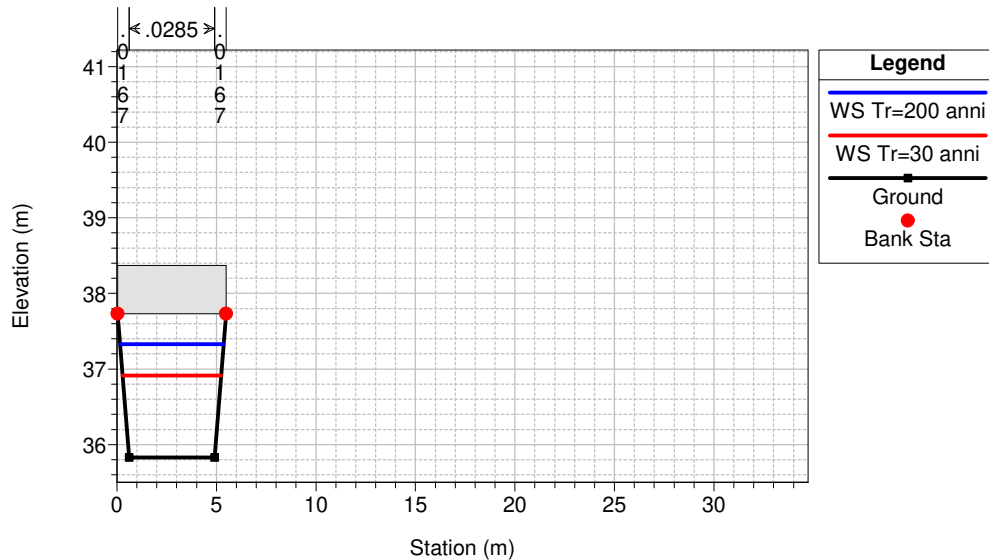
River = LAMA1 Reach = LAMA1 RS = 2.4 Sez 2.4 SEZIONE FINE ABBASSAMENTO PER SOTTOPASSO FF.SS.



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

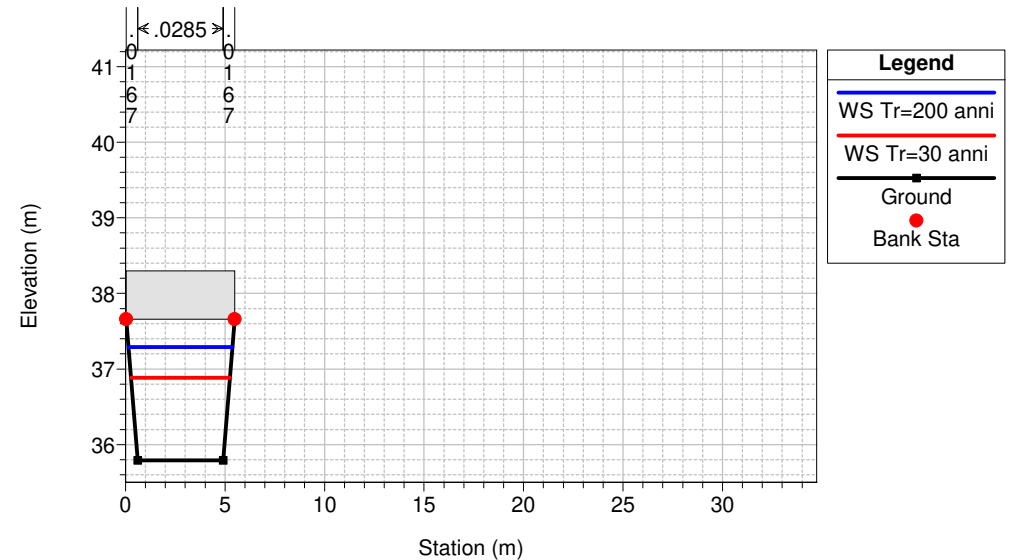
River = LAMA1 Reach = LAMA1 RS = 2.3 Sez 2.3 SEZIONE C-C DI PROGETTO INIZIO 3 P.TE PRIVATO ALLA CHIES



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

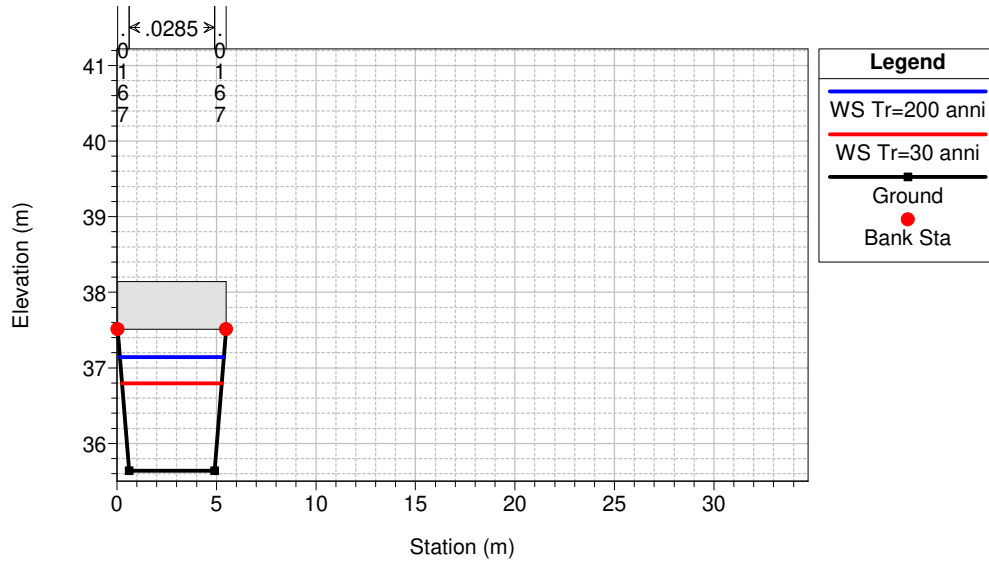
River = LAMA1 Reach = LAMA1 RS = 2.26 Sez 2.26 FINE PONTE PRIVATO 3



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

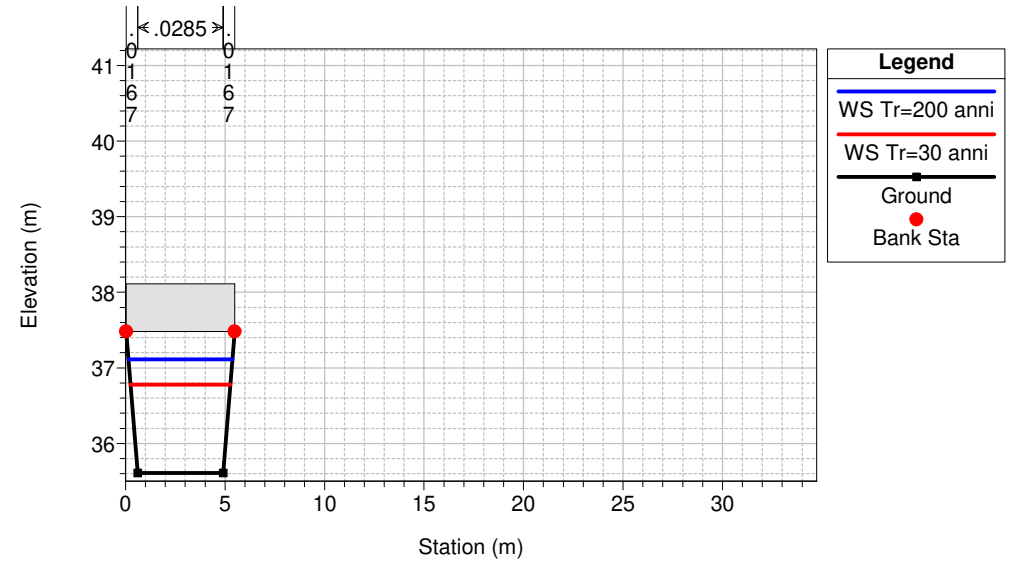
River = LAMA1 Reach = LAMA1 RS = 2.24 Sez 2.24 INIZIO PONTE PRIVATO 2



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

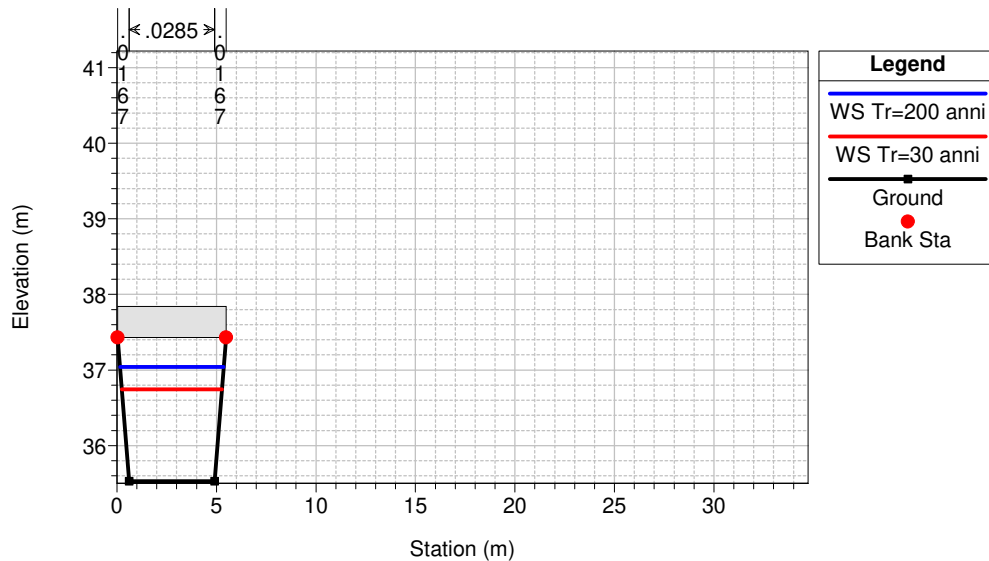
River = LAMA1 Reach = LAMA1 RS = 2.23 Sez 2.23 FINE PONTE PRIVATO 2



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

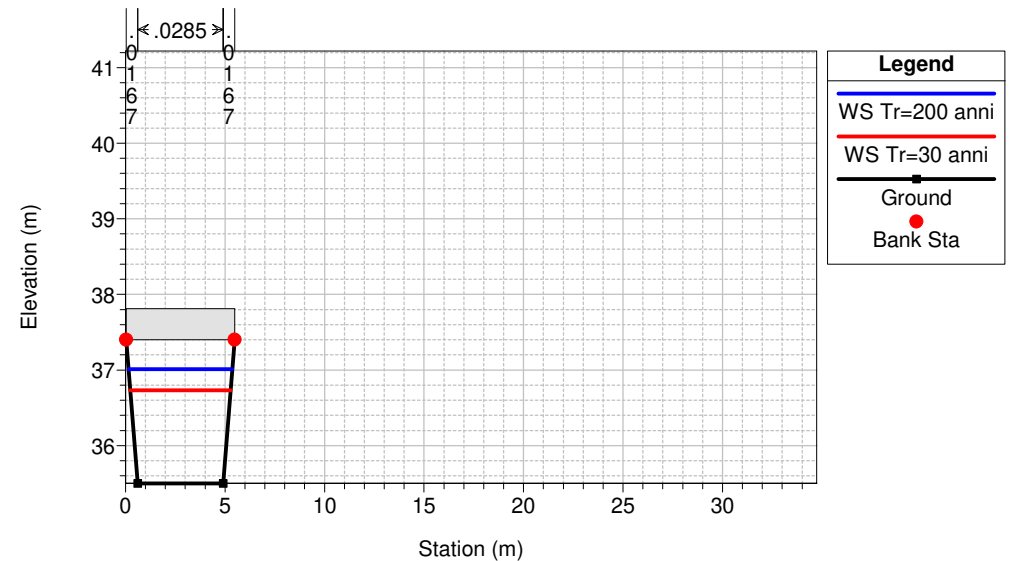
River = LAMA1 Reach = LAMA1 RS = 2.21 Sez 2.21 INIZIO ATTRAVERSAMENTO VIA DELLA CHIESA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

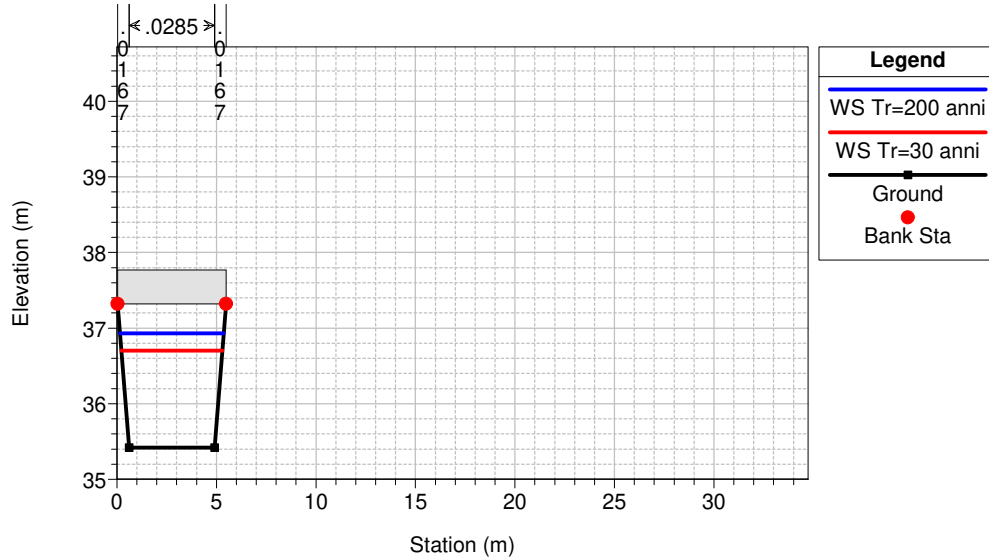
River = LAMA1 Reach = LAMA1 RS = 2.2 Sez 2.2 SEZIONE A-A DI PROGETTO FINE P.TE VIA della CHIESA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

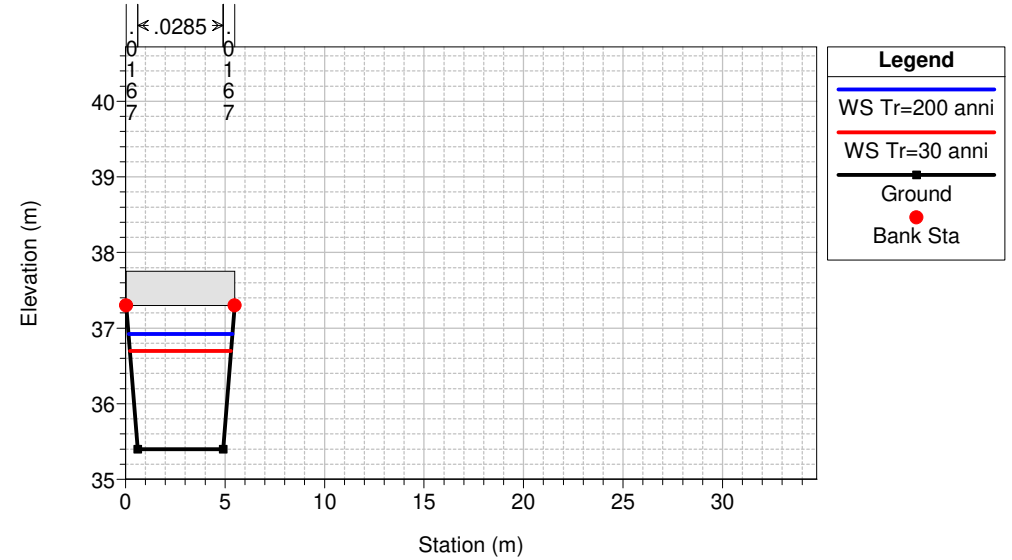
River = LAMA1 Reach = LAMA1 RS = 2.15 Sez 2.15 SEZIONE MONTE ATTRAVERSAMENTO PONTE PRIVATO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

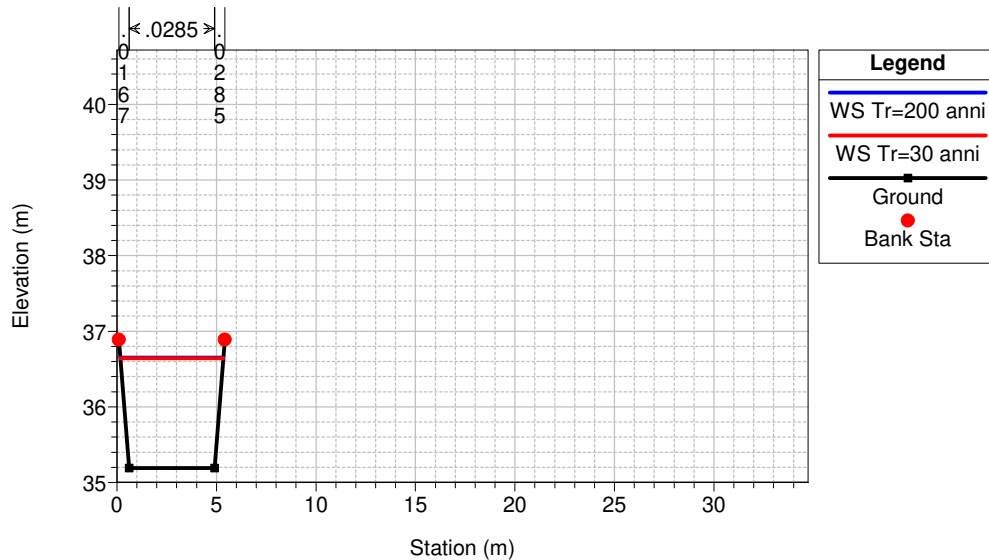
River = LAMA1 Reach = LAMA1 RS = 2.1 Sez 2.1 SEZIONE FINE DEVIAZIONE ATTRA V PRIVATO VALLE CHIESA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

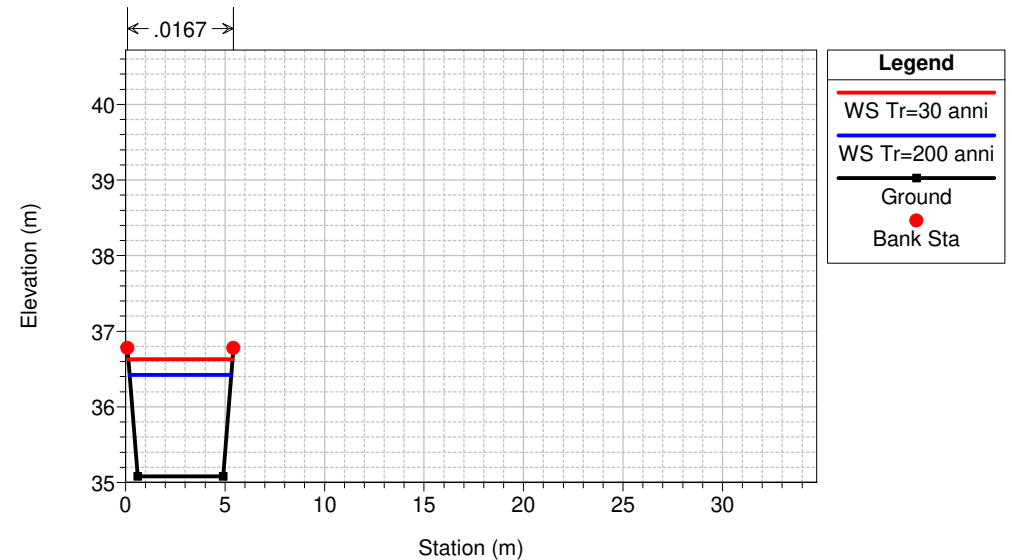
River = LAMA1 Reach = LAMA1 RS = 2 Sez 2



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

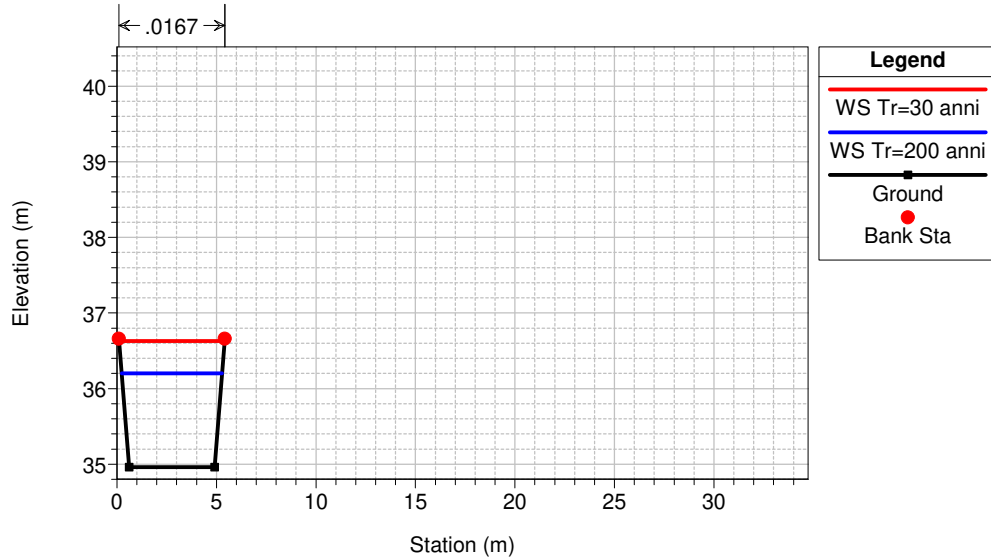
River = LAMA1 Reach = LAMA1 RS = 1.2 Sez 1.2 SEZIONE 1TER DI PROGETTO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

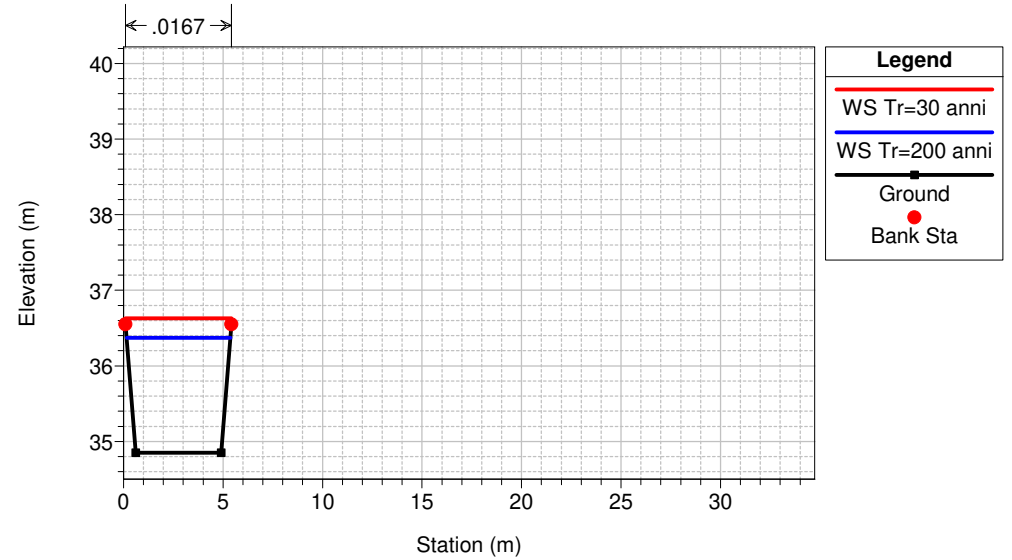
River = LAMA1 Reach = LAMA1 RS = 1.1 Sez 1.1 SEZIONE 1BIS DI PROGETTO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

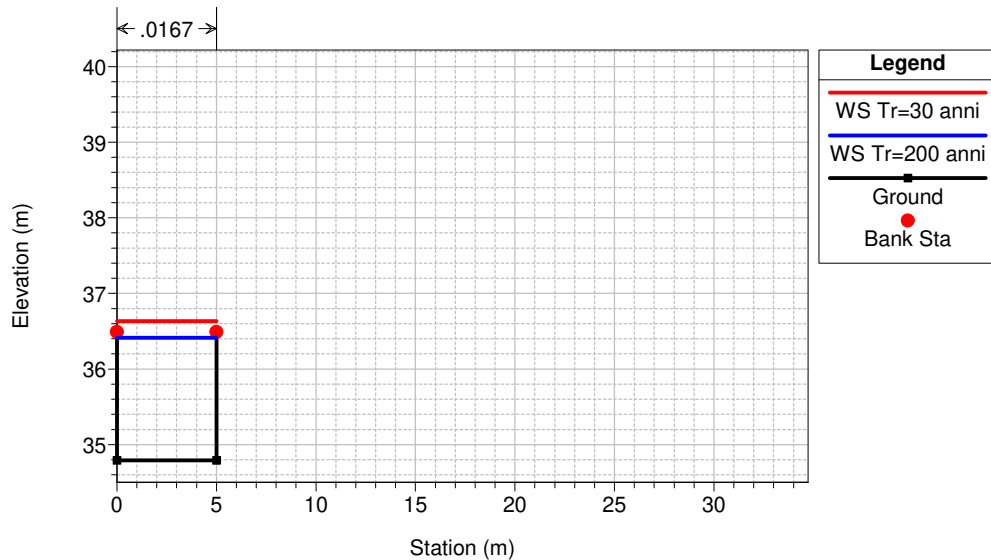
River = LAMA1 Reach = LAMA1 RS = 1.06 Sez 1.06 SEZIONE INIZIO RACCORDO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

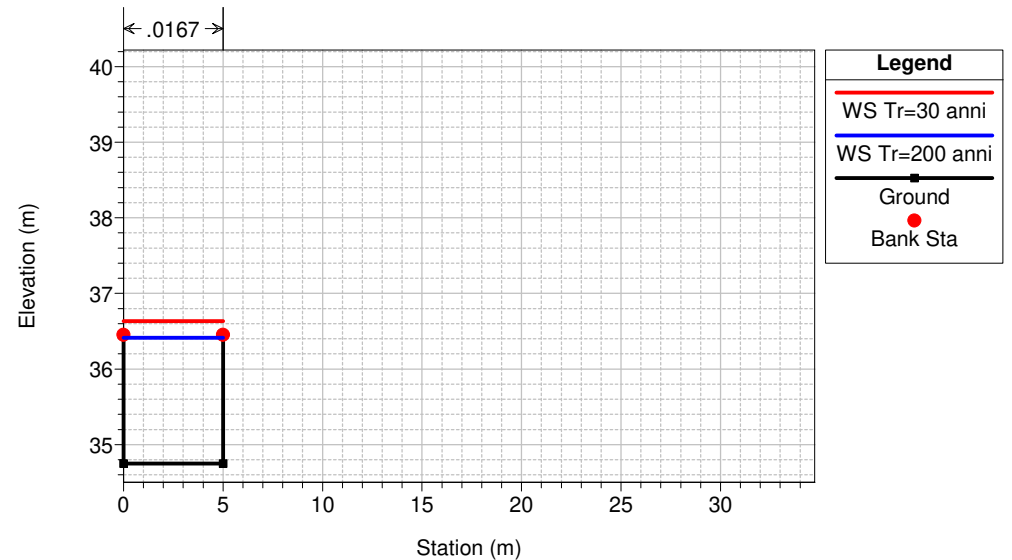
River = LAMA1 Reach = LAMA1 RS = 1.05 Sez 1.05 SEZIONE ENTRATA PONTE CANALE SUL CONDOTTO PUBBLICO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

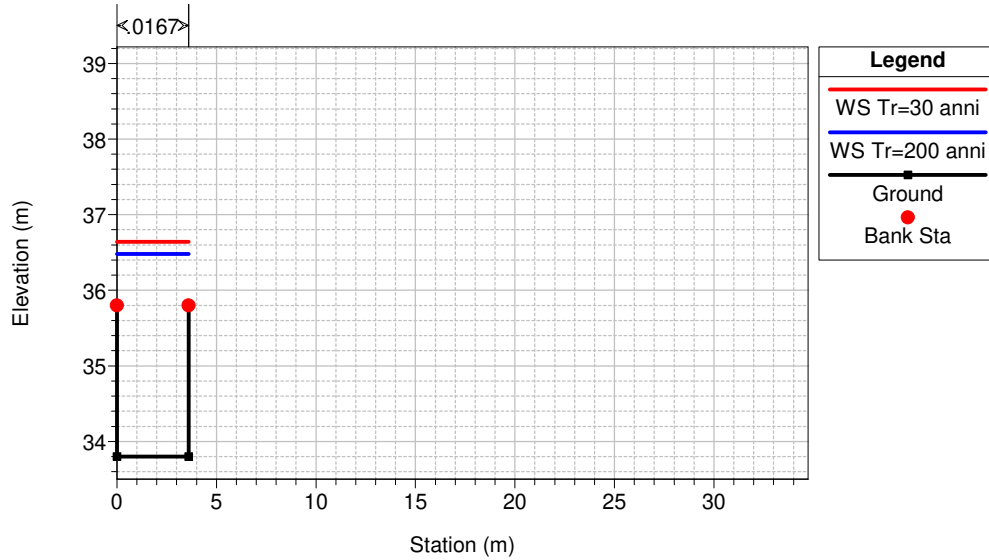
River = LAMA1 Reach = LAMA1 RS = 1 Sez 1 SEZIONE DELLO STRAMAZZO FINE CONDOTTO PUBBLICO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

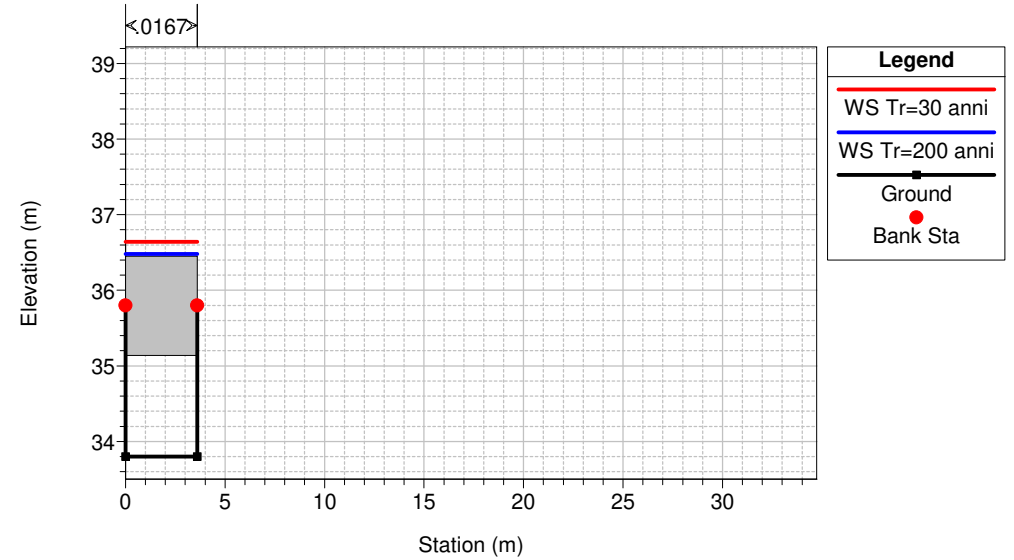
River = LAMA1 Reach = LAMA1 RS = 0.2 Sez 0.2 SEZIONE DI VALLE DELLO STRAMAZZO PONTE SS12



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

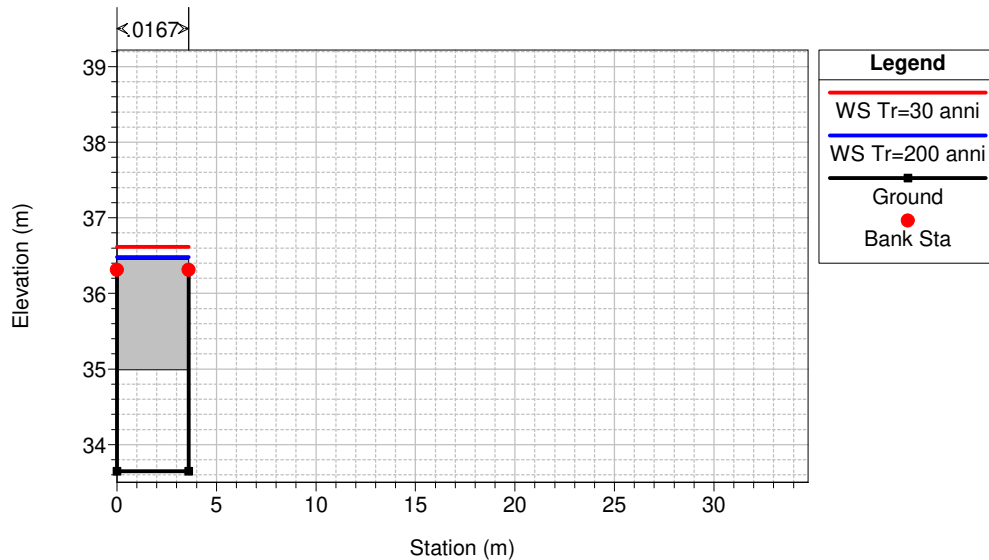
River = LAMA1 Reach = LAMA1 RS = 0.15 BR Ponte SS 12



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

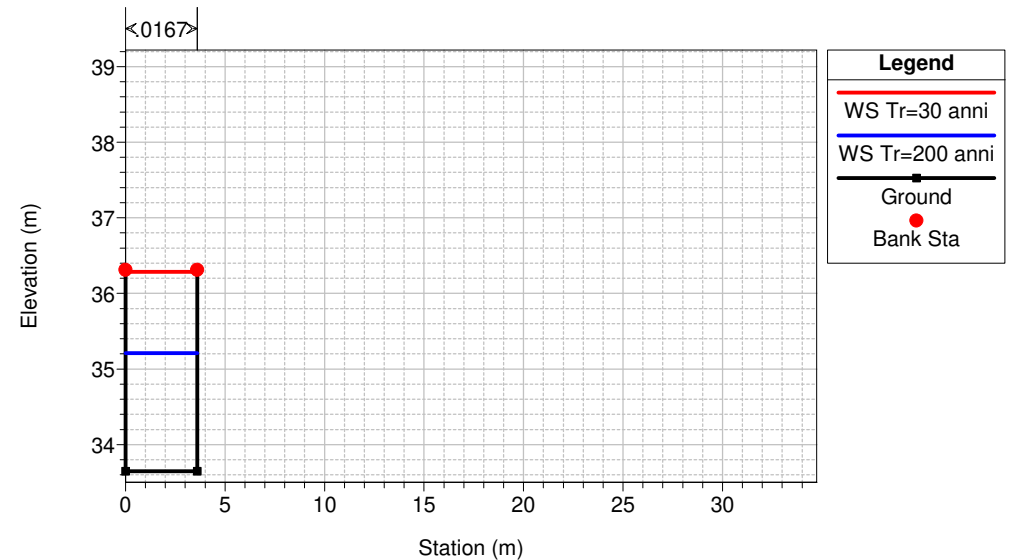
River = LAMA1 Reach = LAMA1 RS = 0.15 BR Ponte SS 12



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

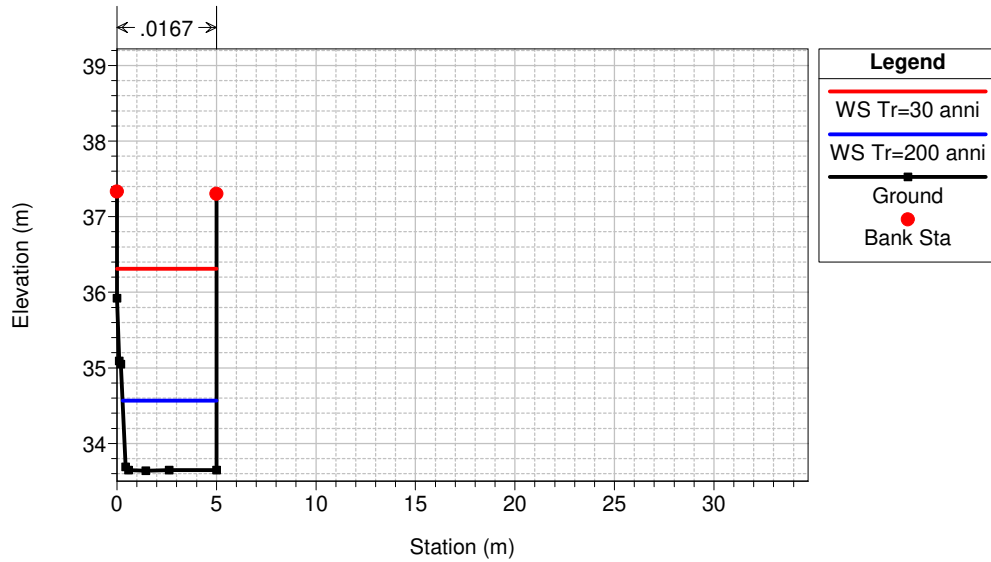
River = LAMA1 Reach = LAMA1 RS = 0.1 Sez 0.1 SEZIONE VALLE LA SS.12



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

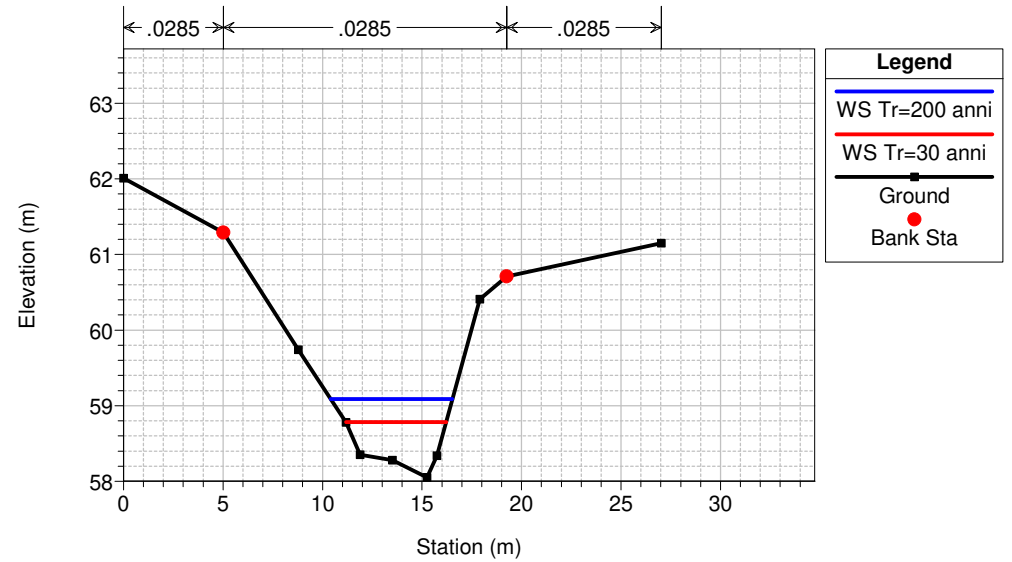
River = LAMA1 Reach = LAMA1 RS = 0.09 Sez 0.09 SEZIONE GOLENA SERCHIO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

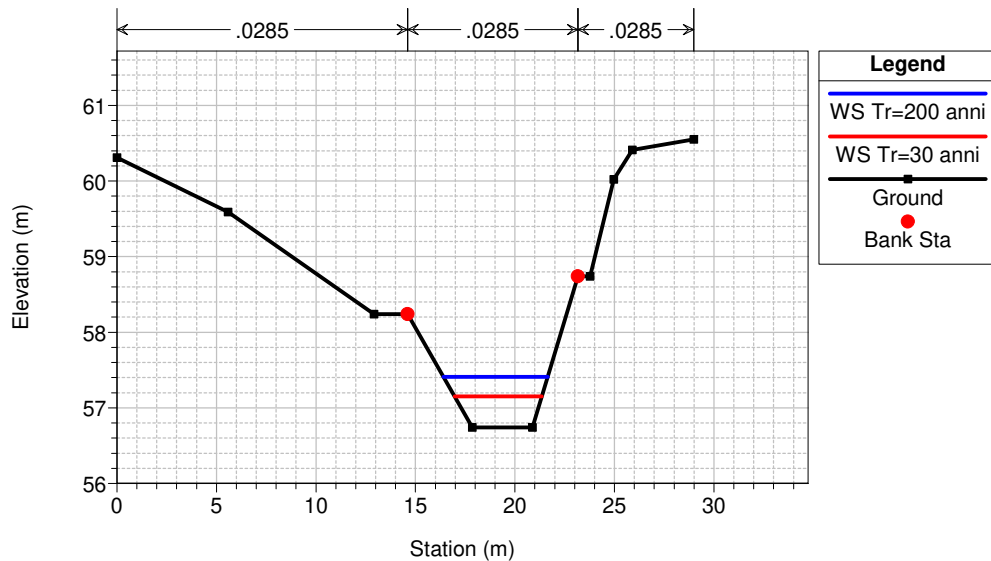
River = MALTEMPO Reach = MALTEMPO RS = 33 sez.33



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

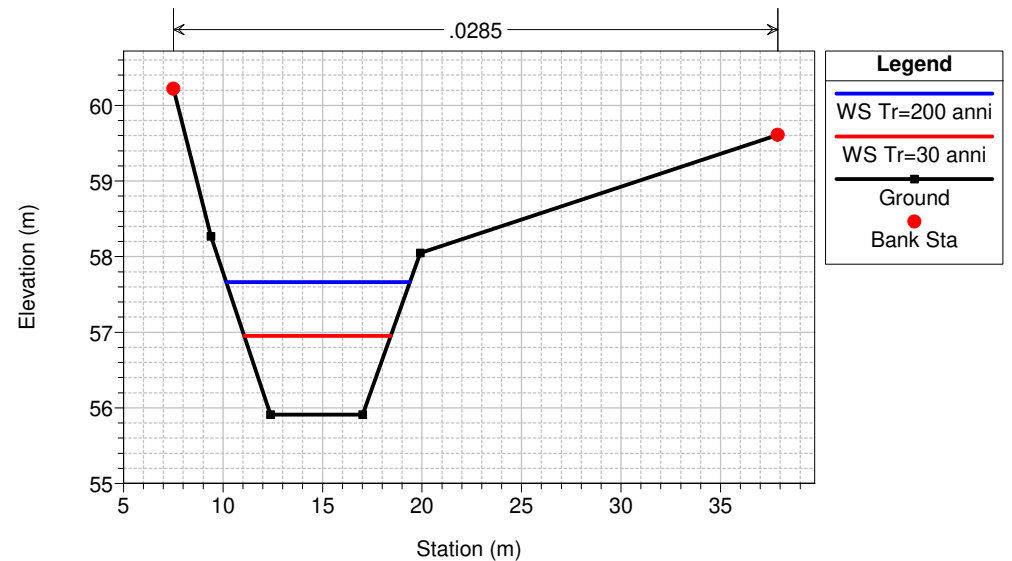
River = MALTEMPO Reach = MALTEMPO RS = 32 sez.32



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

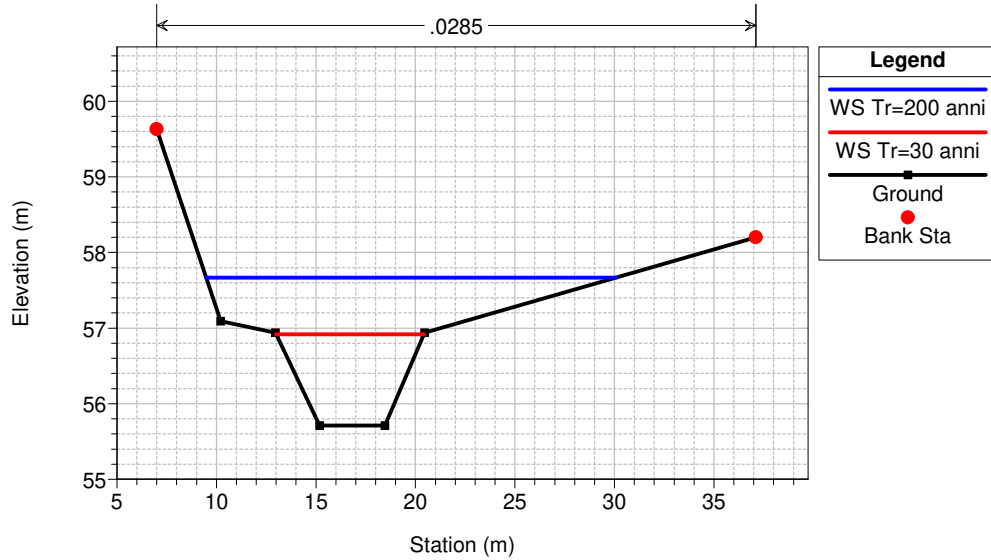
River = MALTEMPO Reach = MALTEMPO RS = 31 sez.31



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

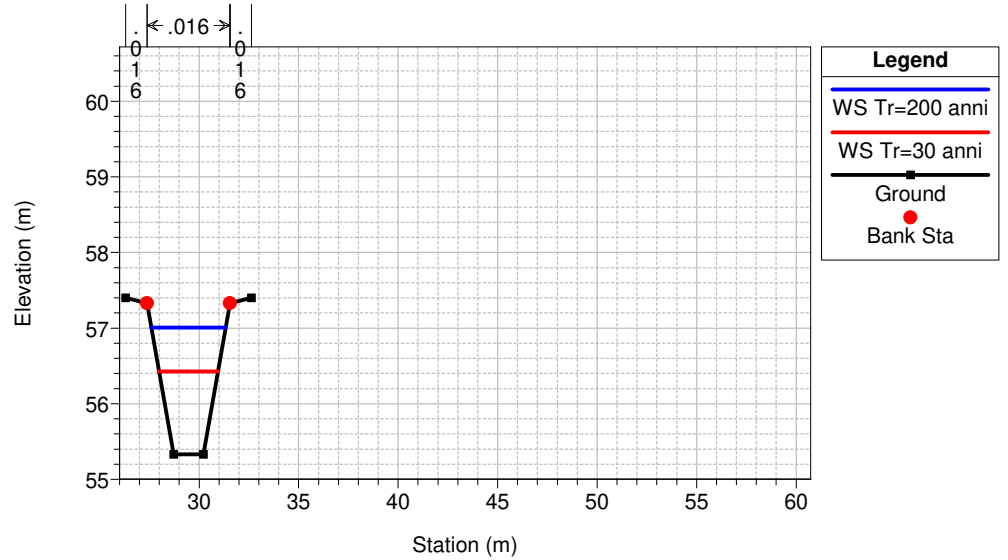
River = MALTEMPO Reach = MALTEMPO RS = 30 sez 30



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

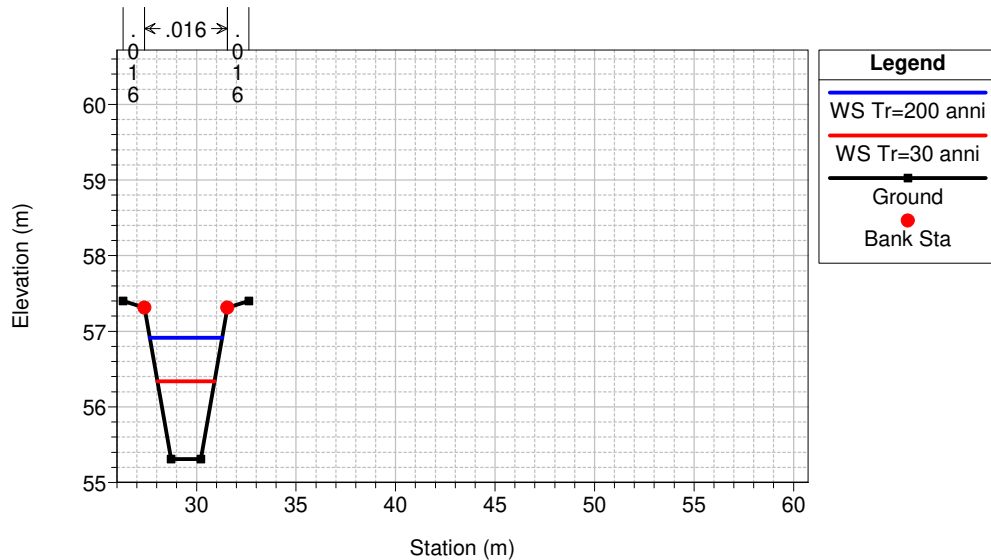
River = MALTEMPO Reach = MALTEMPO RS = 29.7 sez 29.7-Testa briglia n.1



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

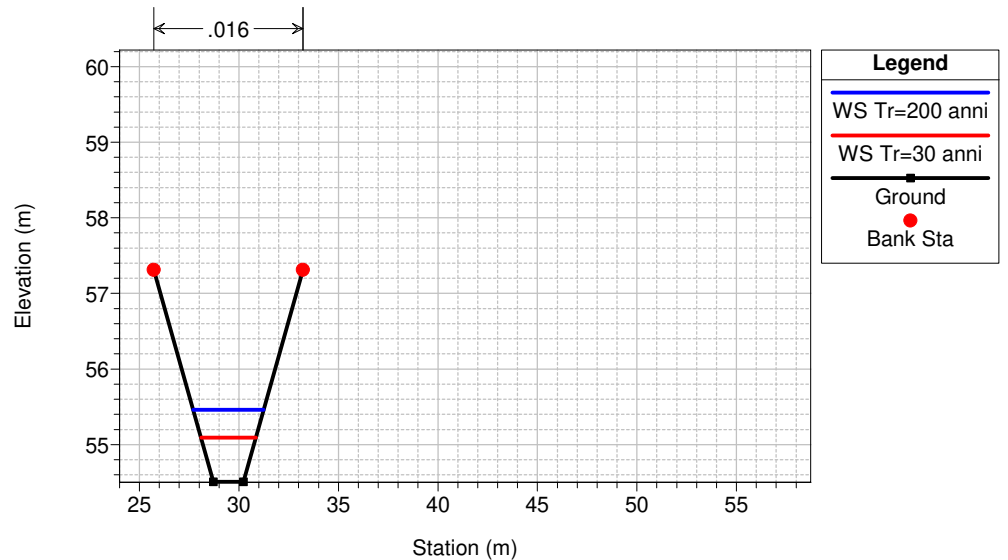
River = MALTEMPO Reach = MALTEMPO RS = 29.6 sez 29.6-Testa briglia n.1



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

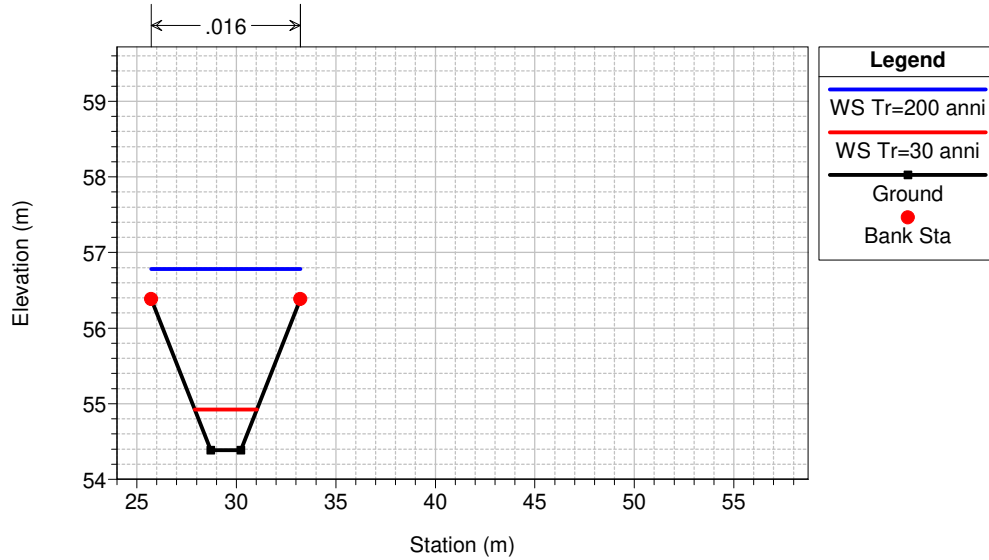
River = MALTEMPO Reach = MALTEMPO RS = 29.5 sez 29.5-Piede briglia n.1



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

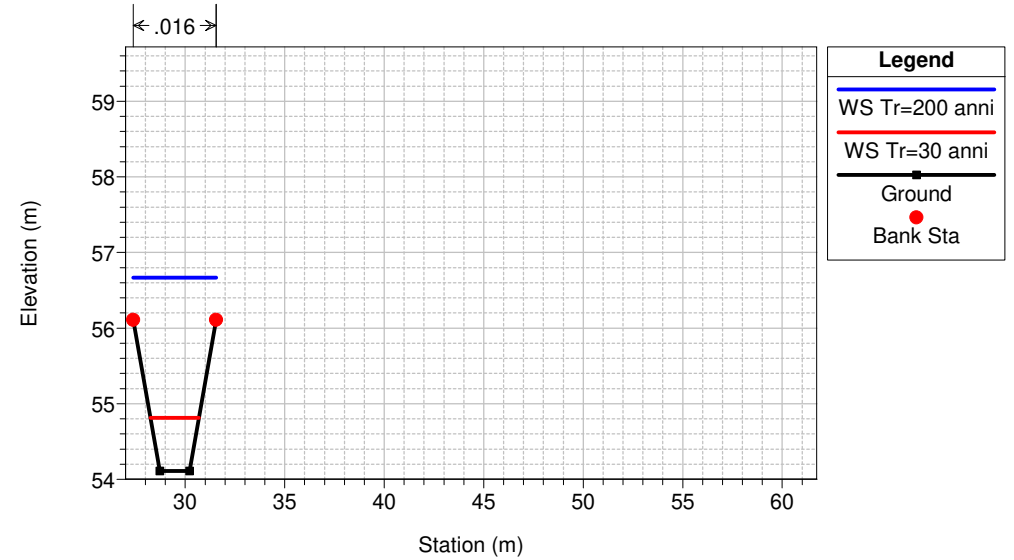
River = MALTEMPO Reach = MALTEMPO RS = 28.5 sez 28.5-fine vasca



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

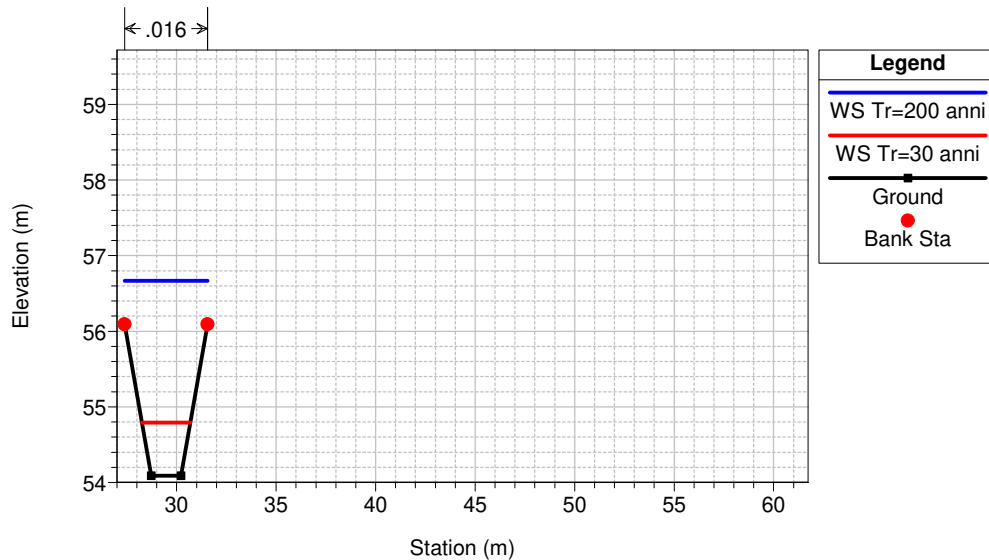
River = MALTEMPO Reach = MALTEMPO RS = 27.2



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

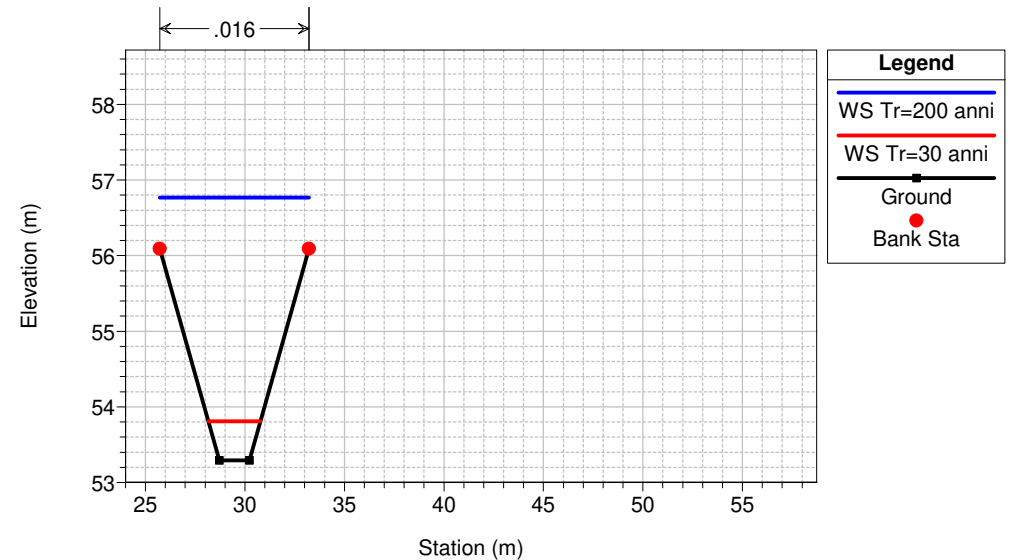
River = MALTEMPO Reach = MALTEMPO RS = 27 sez 27-Testa Briglia n.2



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

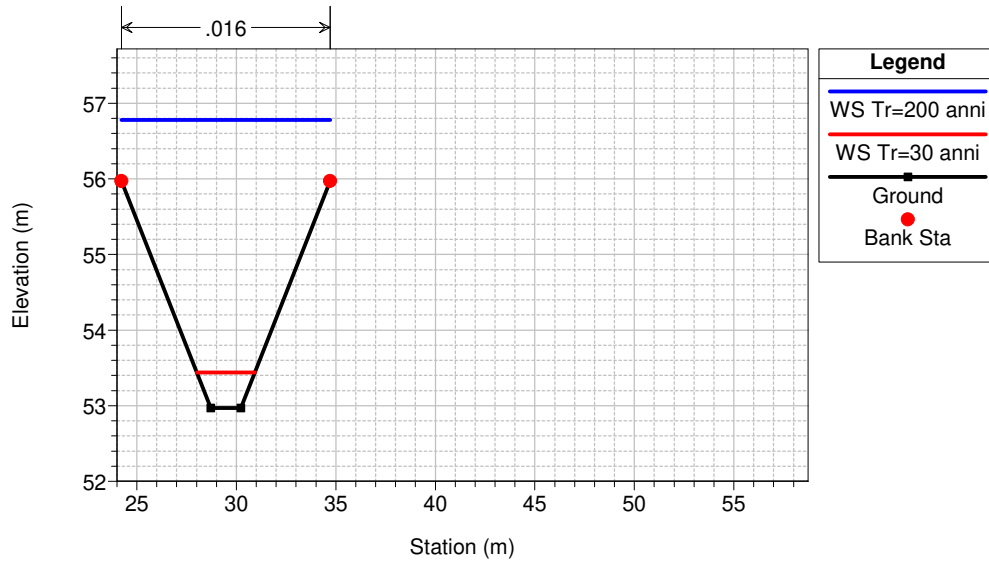
River = MALTEMPO Reach = MALTEMPO RS = 26.4 sez 26.4-Piede Briglia n.2



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

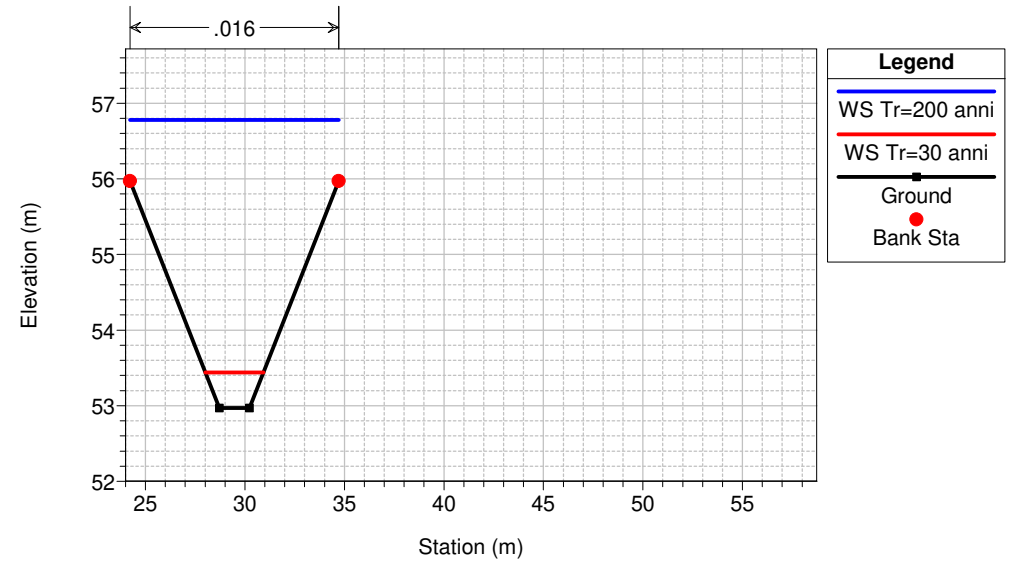
River = MALTEMPO Reach = MALTEMPO RS = 26.24 sez 26.24-fine vasca



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

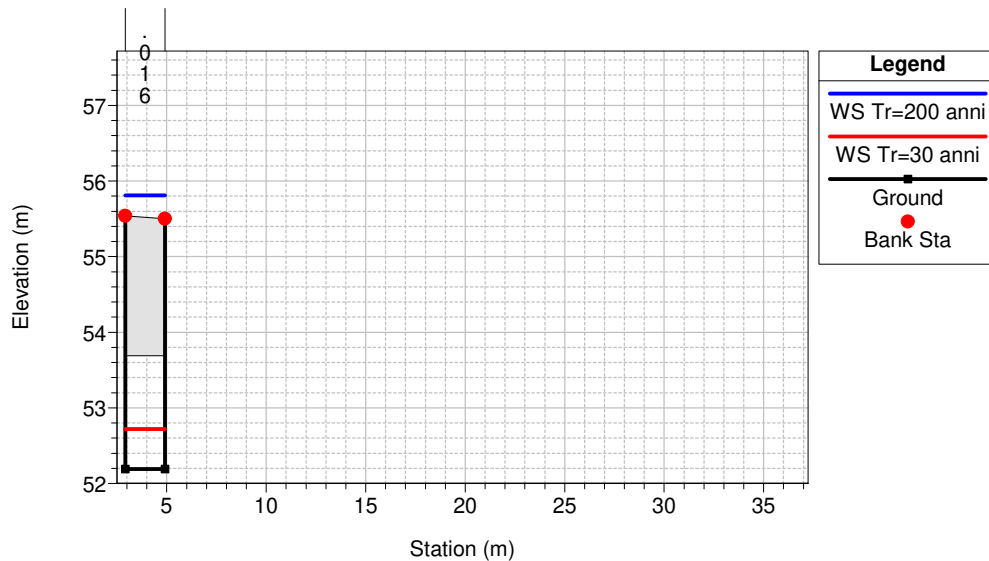
River = MALTEMPO Reach = MALTEMPO RS = 26.22



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

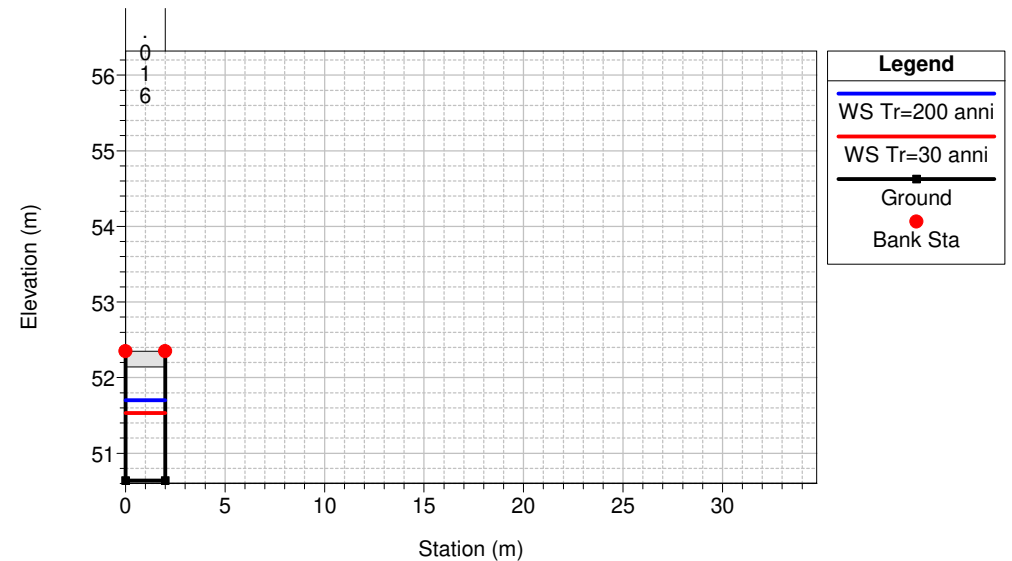
River = MALTEMPO Reach = MALTEMPO RS = 26 sez.26-Inizio tombamento sotto strada con fi 1100



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

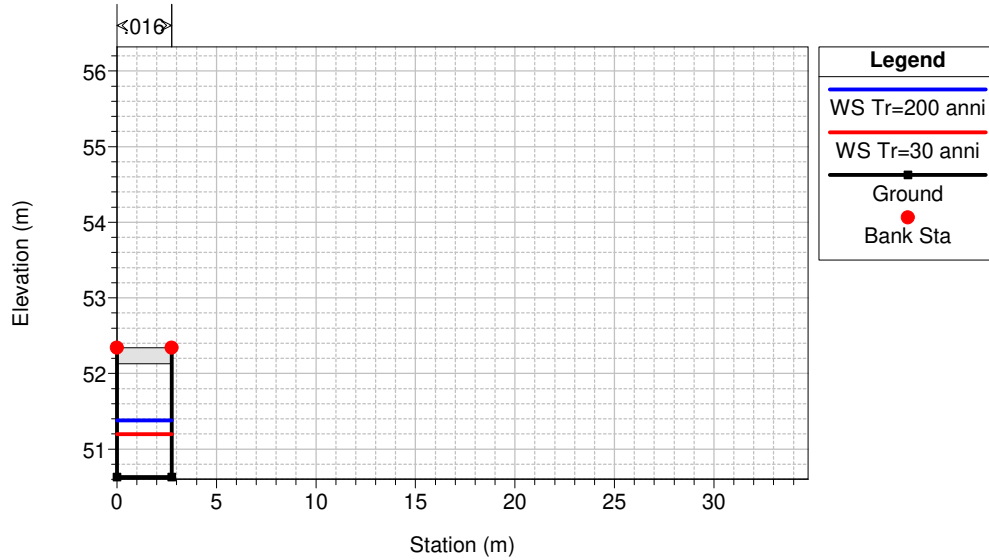
River = MALTEMPO Reach = MALTEMPO RS = 25.1 sez.25.1-Fine tombamento sotto strada con fi 1100



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

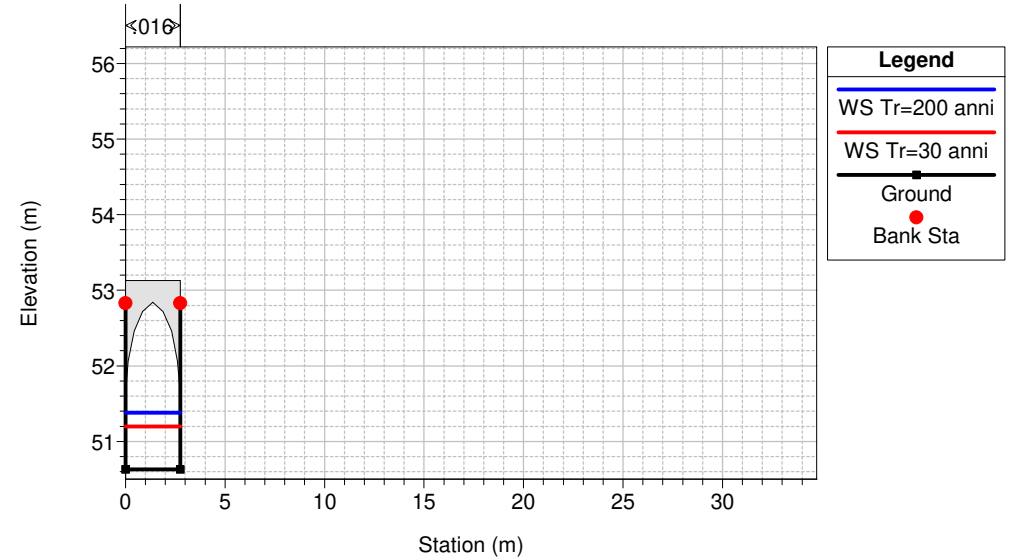
River = MALTEMPO Reach = MALTEMPO RS = 25.01 Raccordo



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

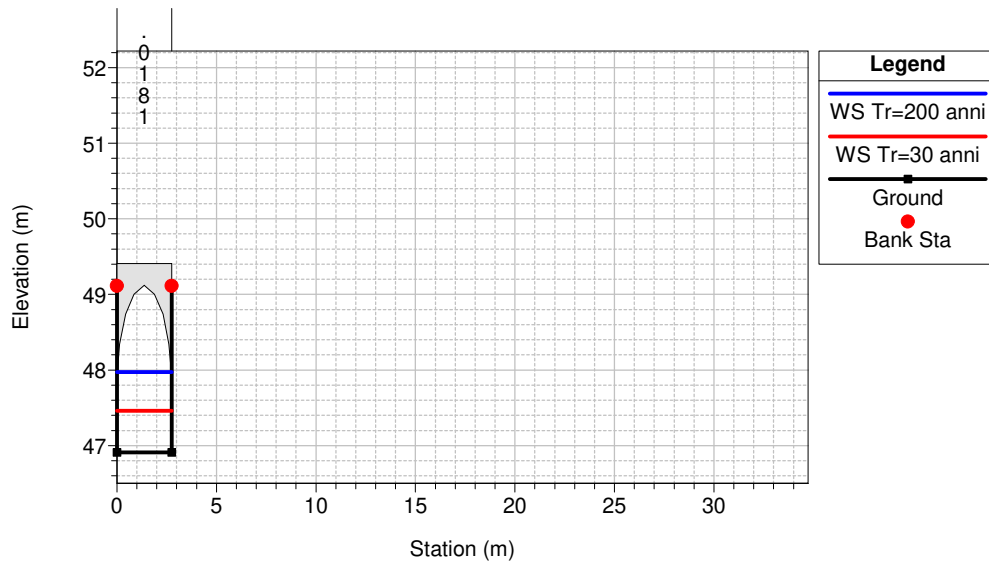
River = MALTEMPO Reach = MALTEMPO RS = 25 sez.25-INGRESSO TOMBINO VILLA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

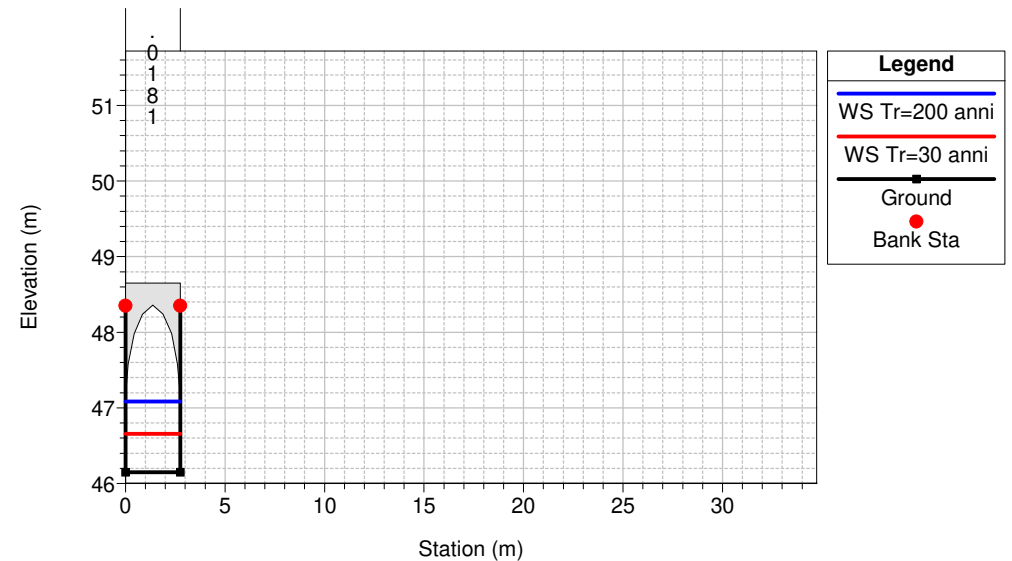
River = MALTEMPO Reach = MALTEMPO RS = 24.1



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

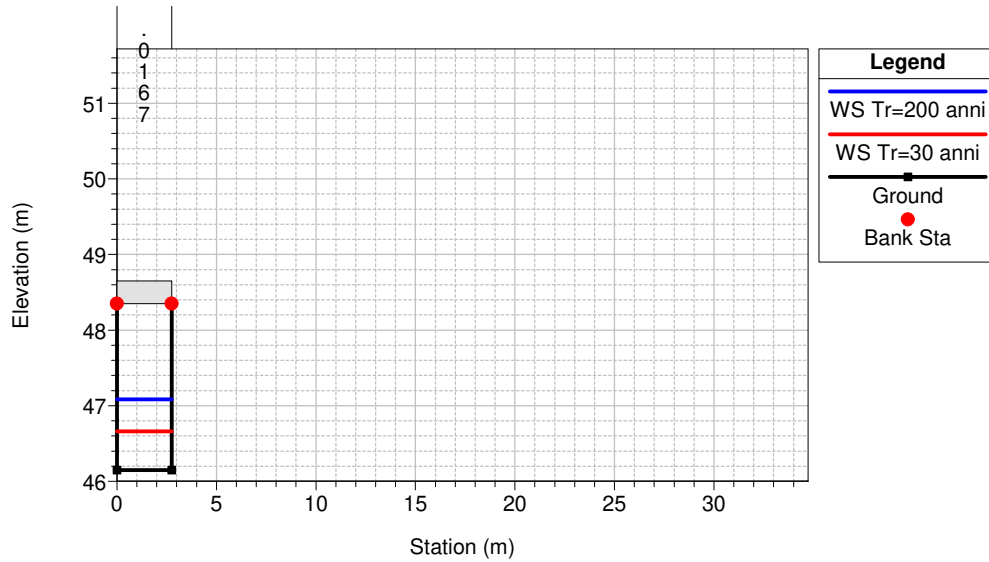
River = MALTEMPO Reach = MALTEMPO RS = 24.05



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

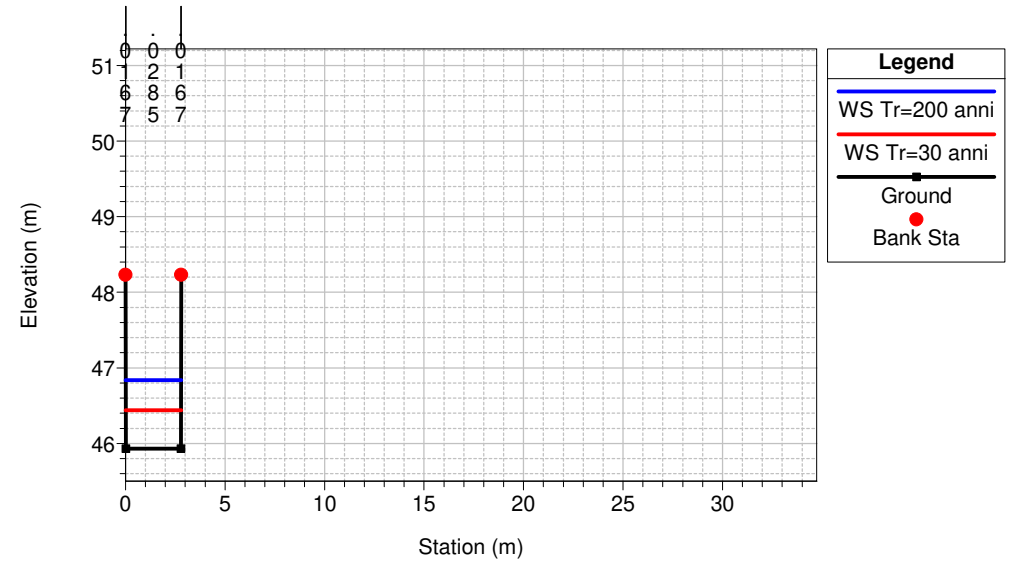
River = MALTEMPO Reach = MALTEMPO RS = 24 sez.24-USCITA TOMBINO VILLA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

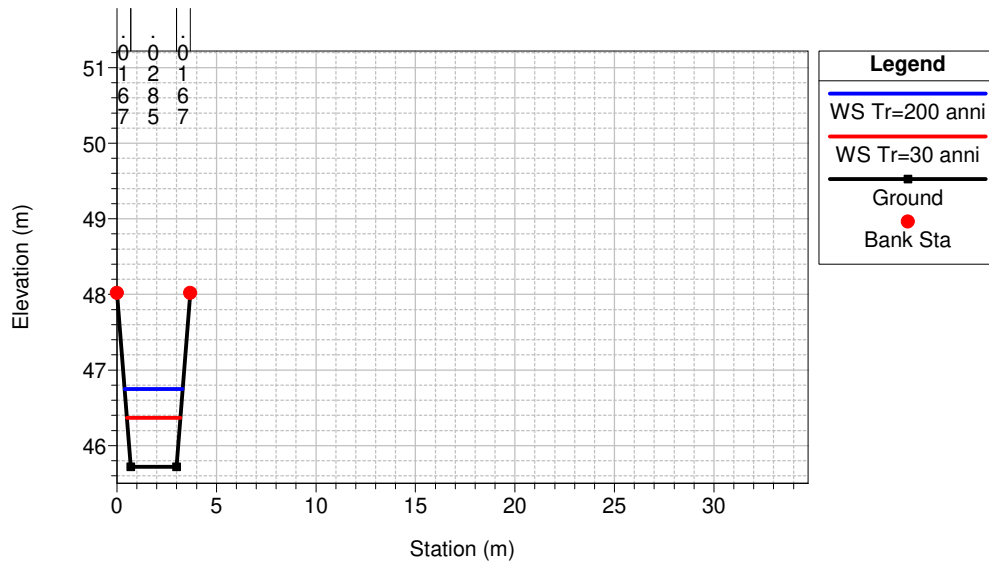
River = MALTEMPO Reach = MALTEMPO RS = 23.9 sez.23.9



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

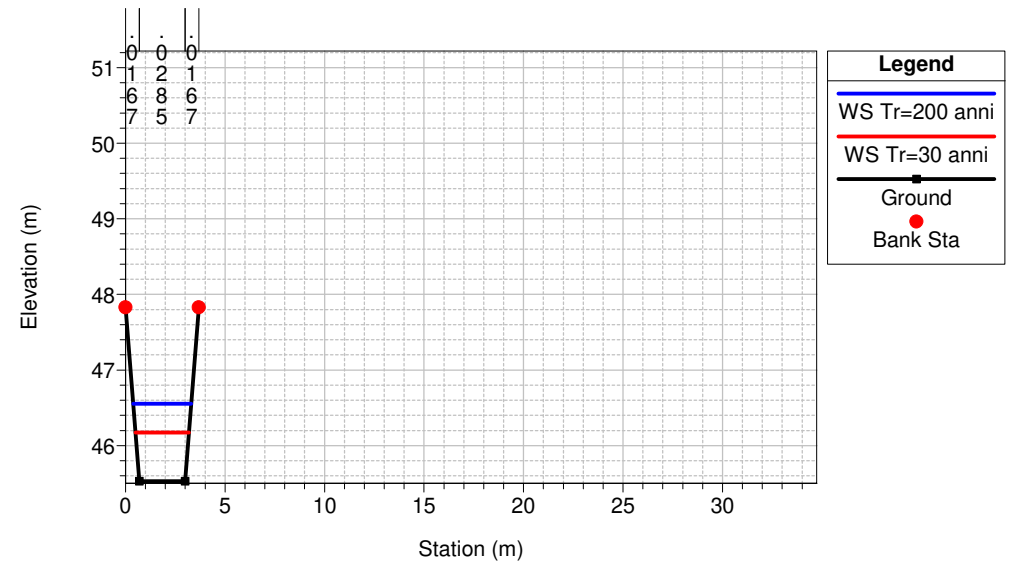
River = MALTEMPO Reach = MALTEMPO RS = 23.8



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

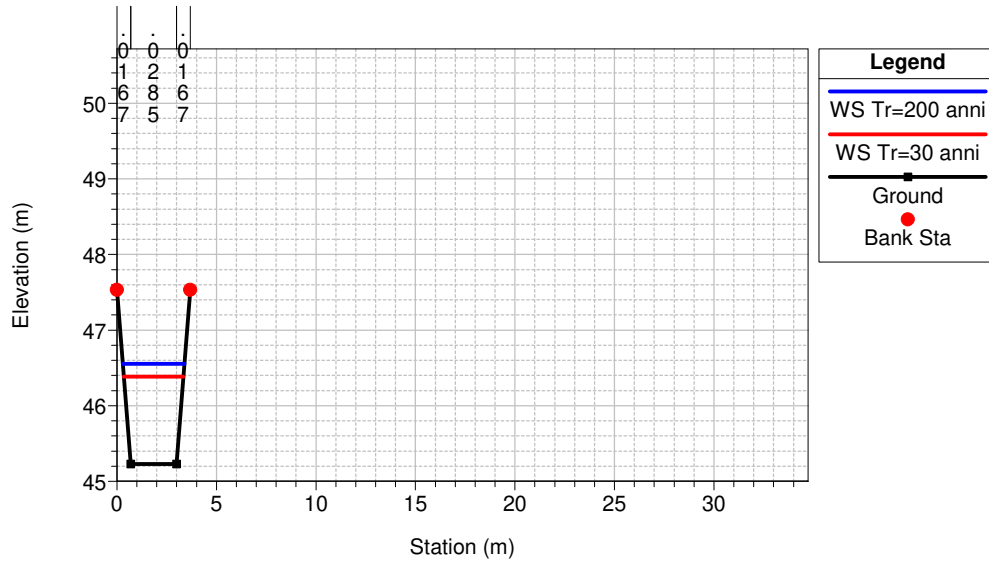
River = MALTEMPO Reach = MALTEMPO RS = 23.7



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

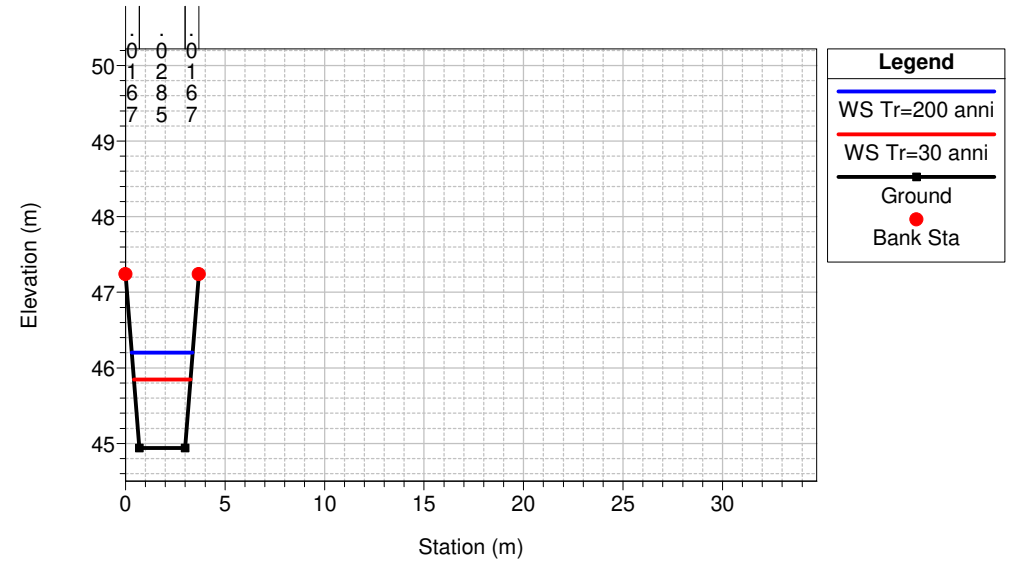
River = MALTEMPO Reach = MALTEMPO RS = 23.6 IMMISSIONE RIO DI VILLA BERNARDINI



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

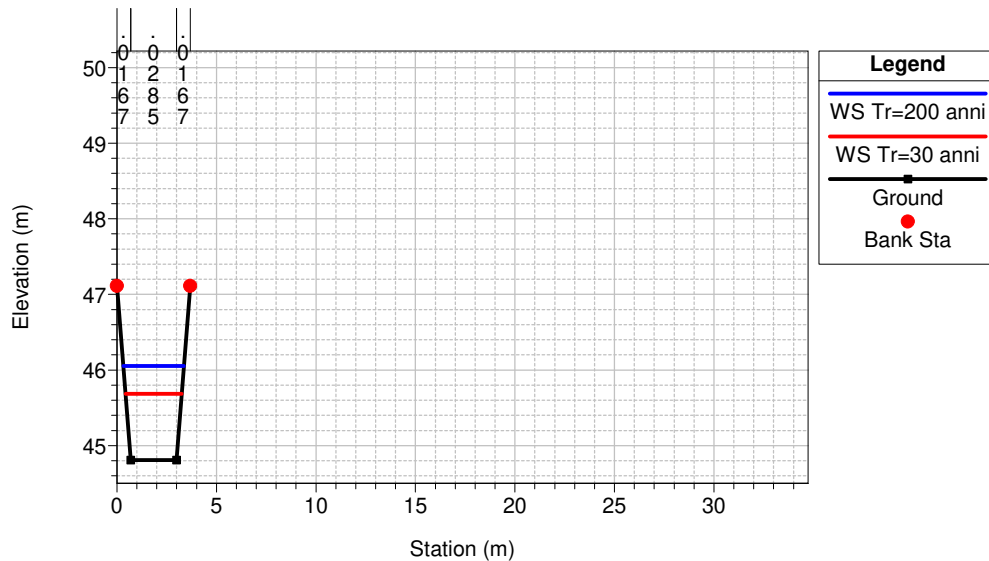
River = MALTEMPO Reach = MALTEMPO RS = 23.5



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

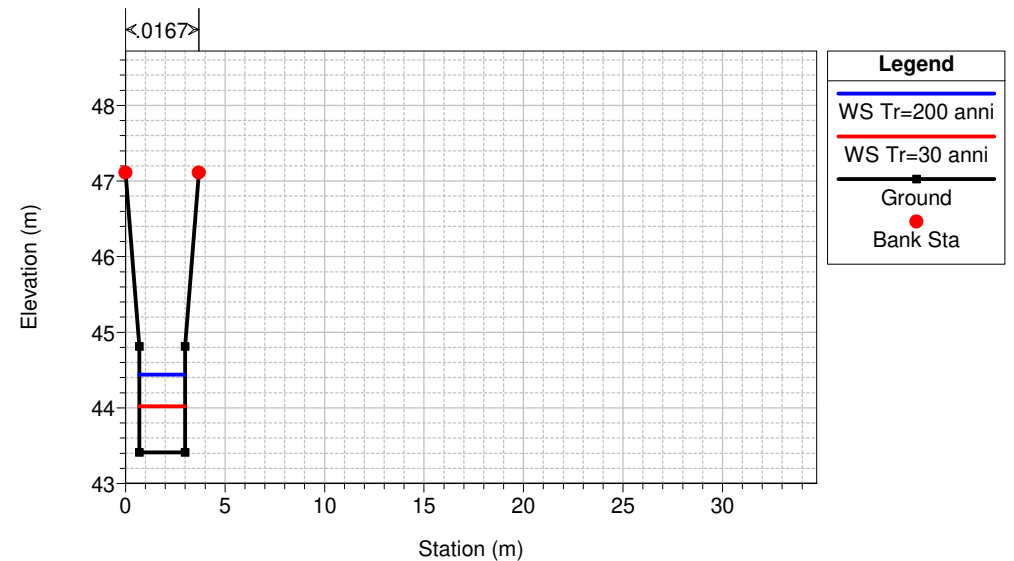
River = MALTEMPO Reach = MALTEMPO RS = 23.4 BRIGLIA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

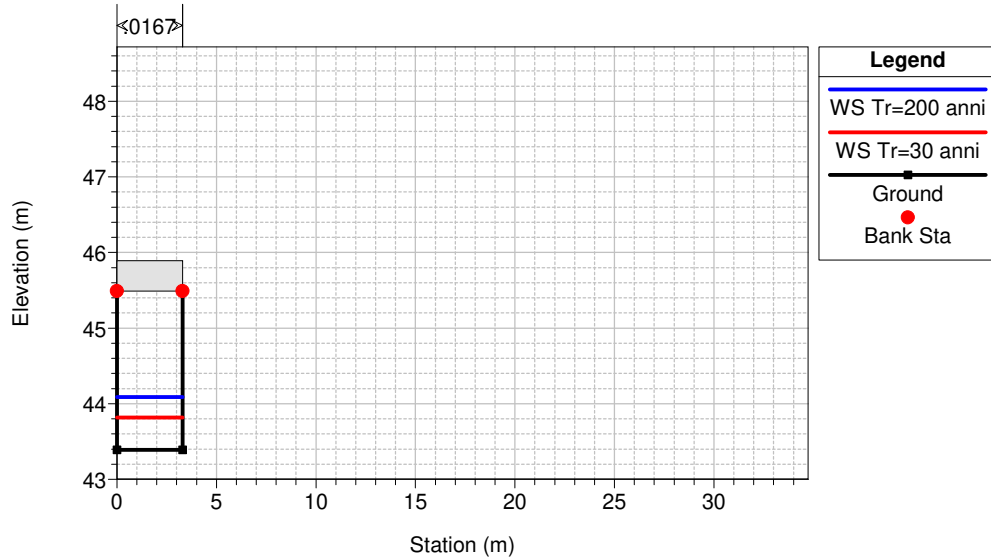
River = MALTEMPO Reach = MALTEMPO RS = 23.39 A VALLE BRIGLIA



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

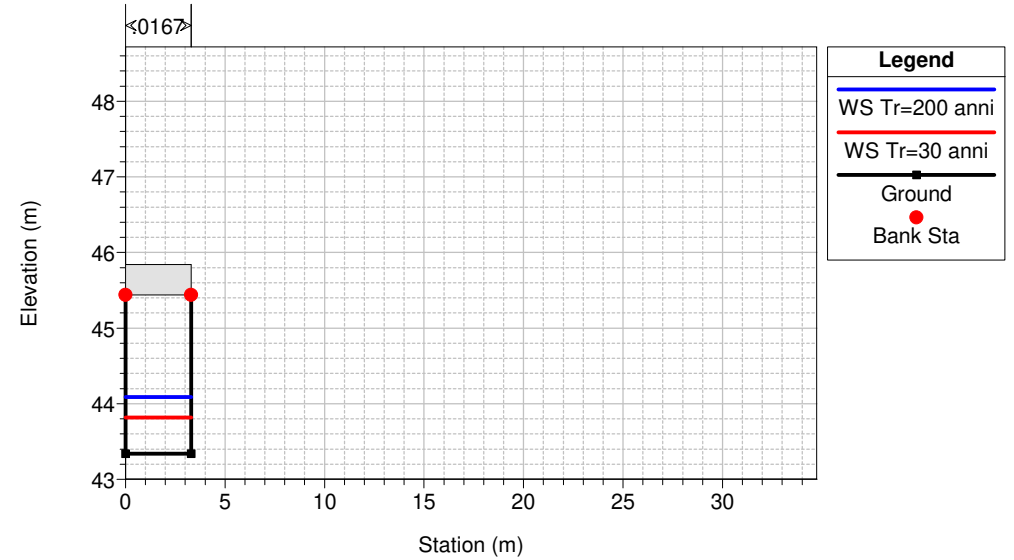
River = MALTEMPO Reach = MALTEMPO RS = 23.3 INIZIO TRATTO COPERTO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

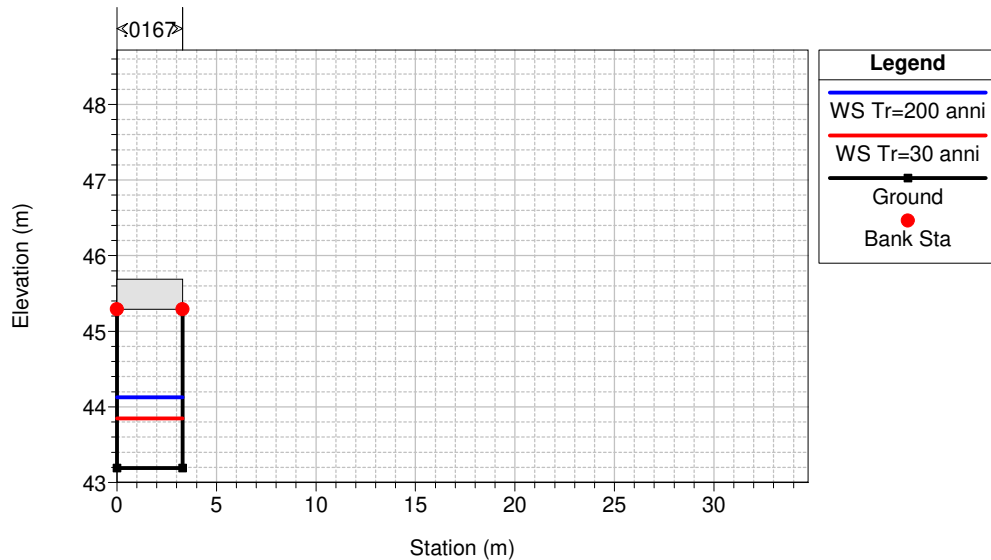
River = MALTEMPO Reach = MALTEMPO RS = 23.2



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

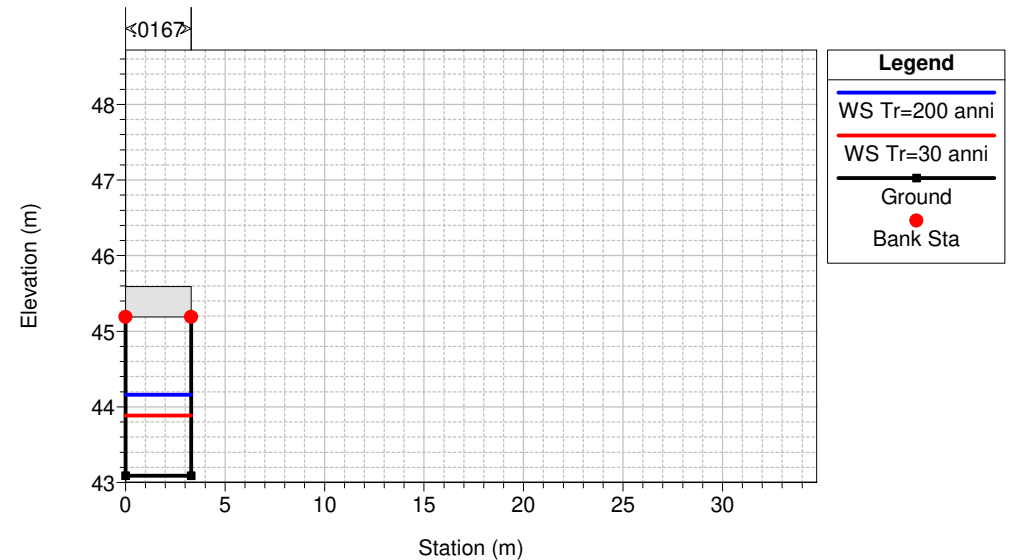
River = MALTEMPO Reach = MALTEMPO RS = 23



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

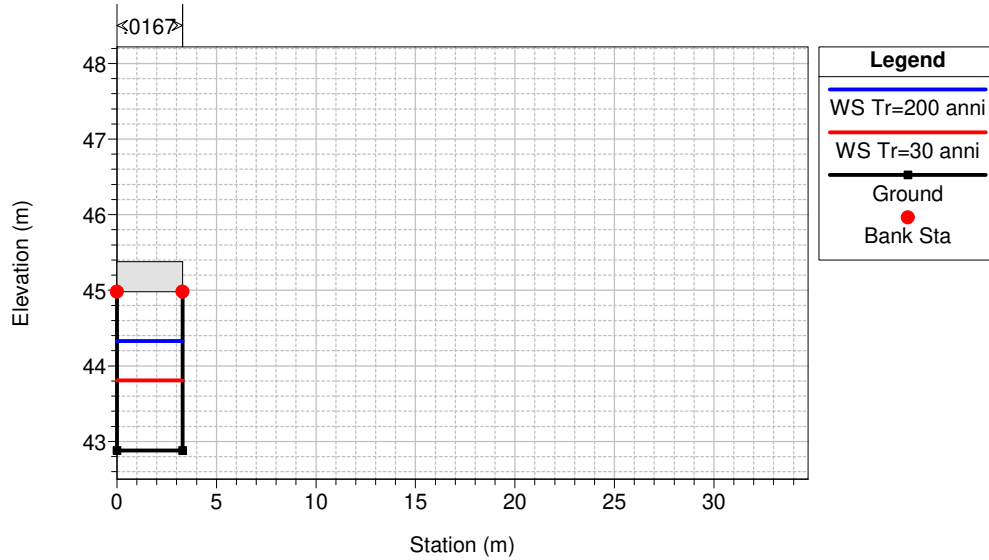
River = MALTEMPO Reach = MALTEMPO RS = 22.8



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

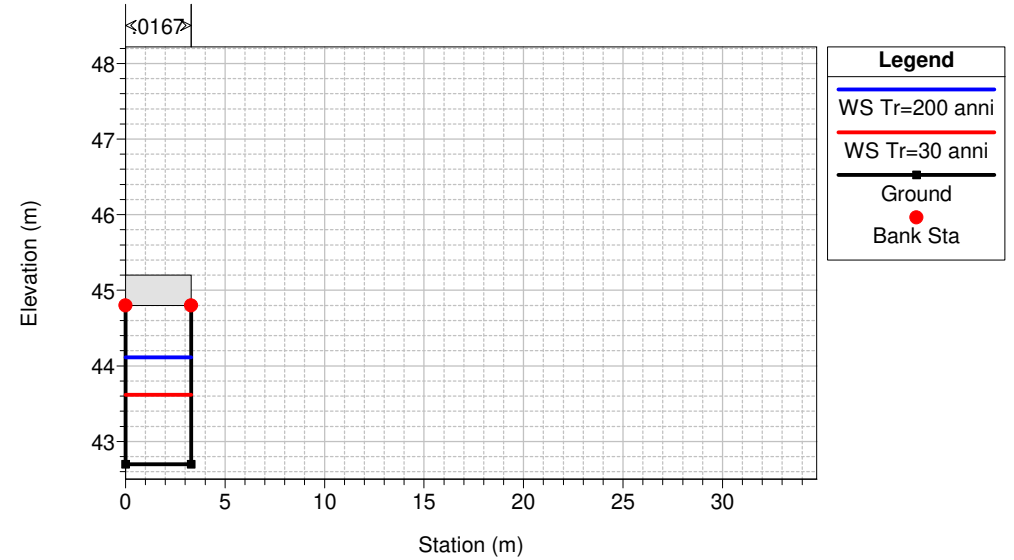
River = MALTEMPO Reach = MALTEMPO RS = 22.6



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

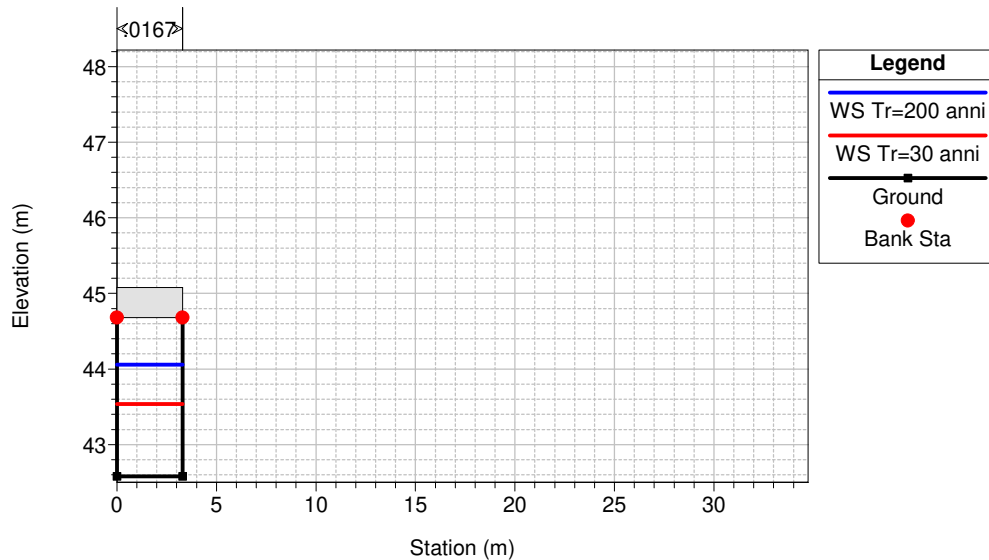
River = MALTEMPO Reach = MALTEMPO RS = 22.4 INIZIO 4° LOTTO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

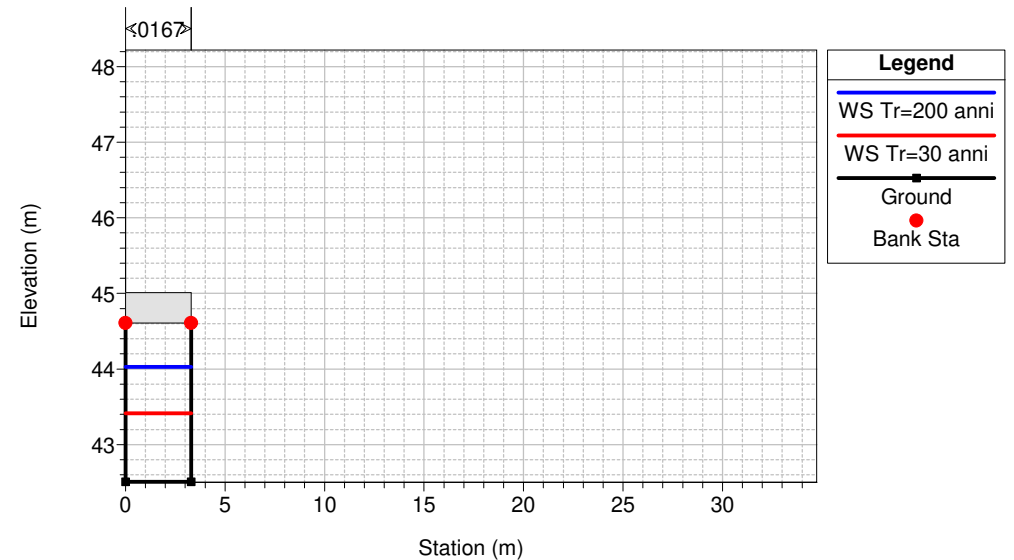
River = MALTEMPO Reach = MALTEMPO RS = 22



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggio Flow: Progetto Lama-Maltempo intero piena Serc

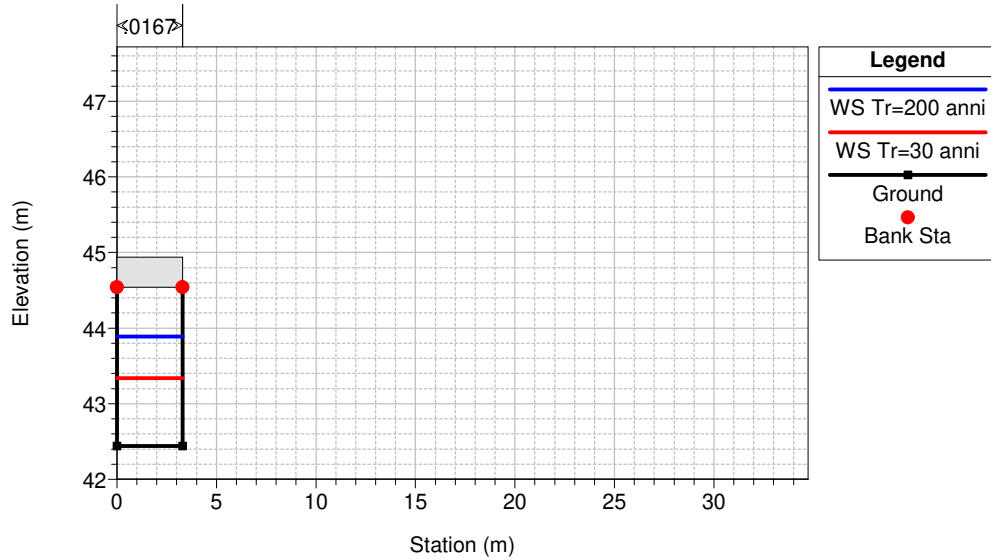
River = MALTEMPO Reach = MALTEMPO RS = 21



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

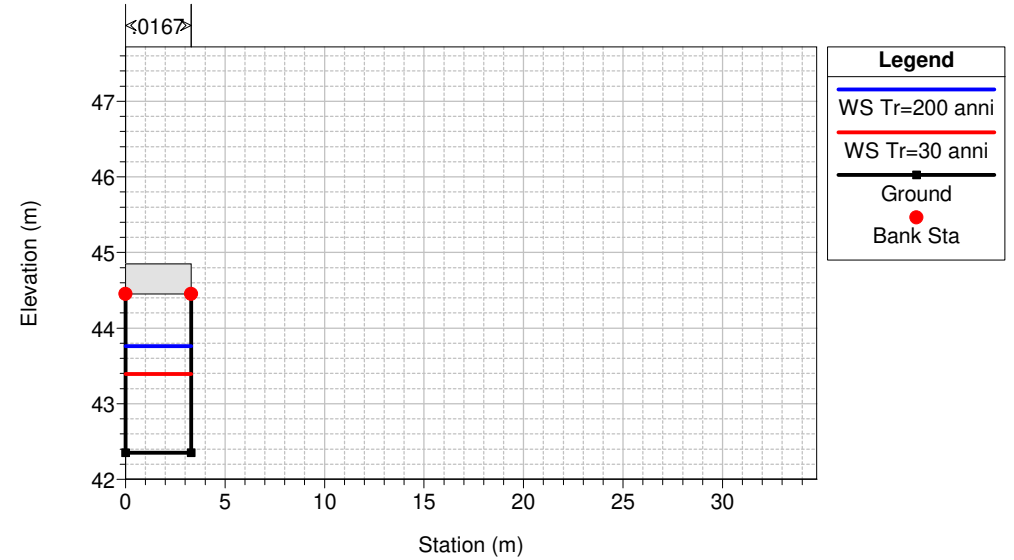
River = MALTEMPO Reach = MALTEMPO RS = 20



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

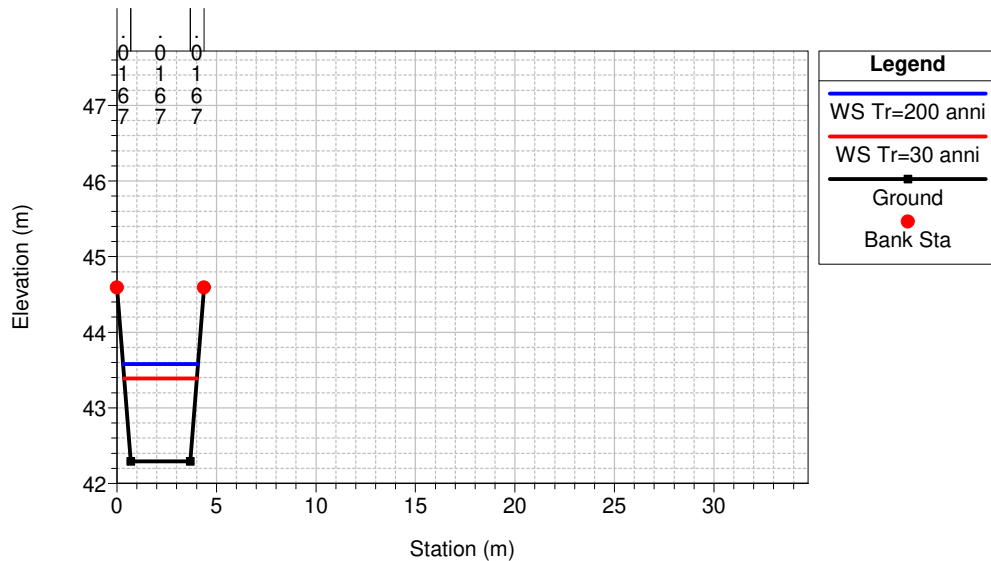
River = MALTEMPO Reach = MALTEMPO RS = 19.2 FINE TRATTO COPERTO



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

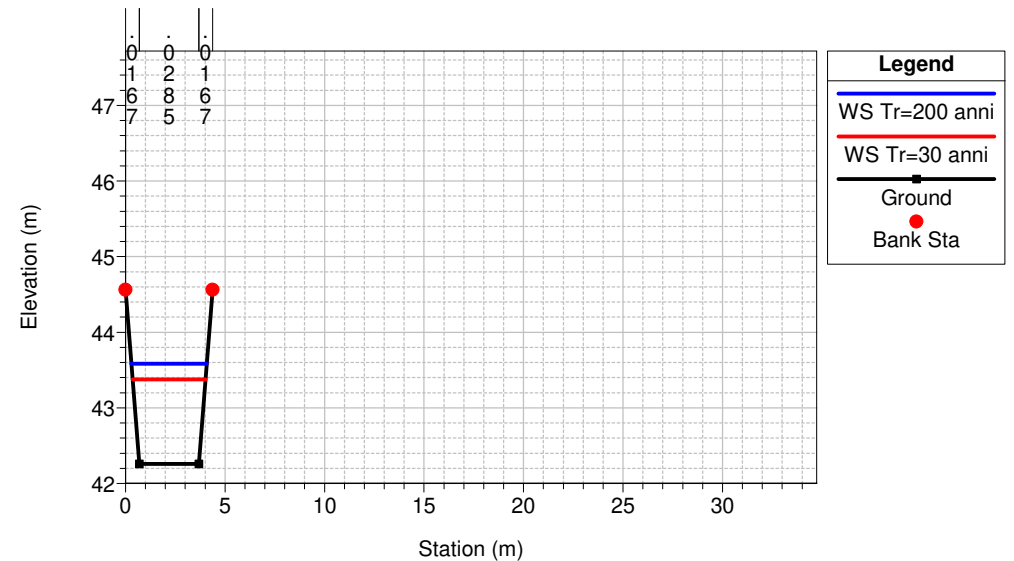
River = MALTEMPO Reach = MALTEMPO RS = 19.1



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

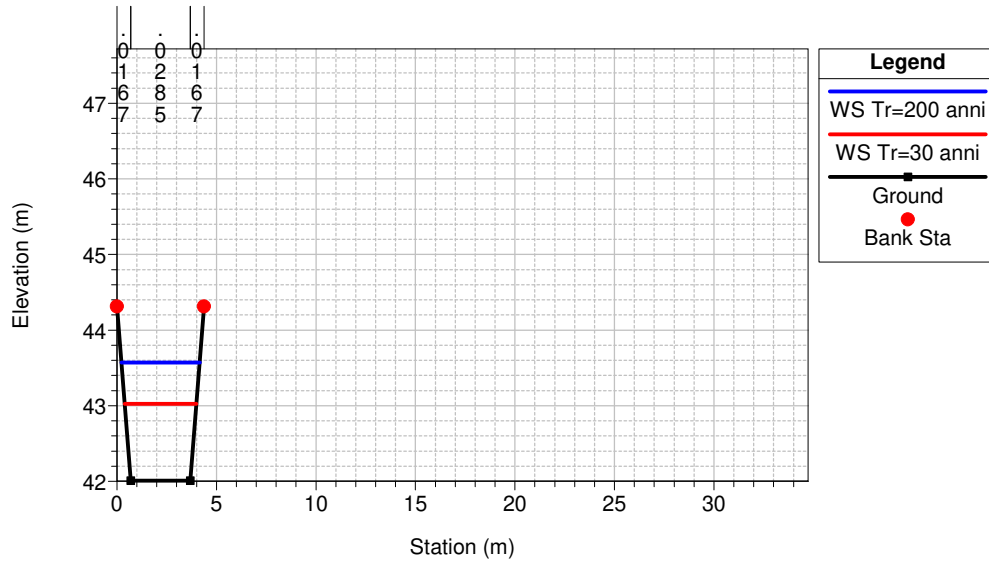
River = MALTEMPO Reach = MALTEMPO RS = 19



Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

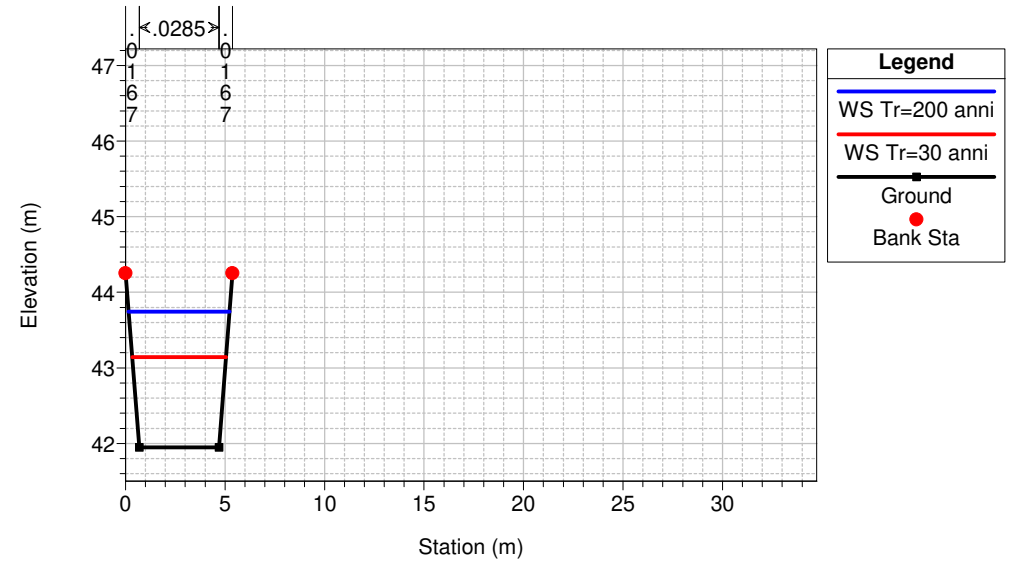
River = MALTEMPO Reach = MALTEMPO RS = 14.5



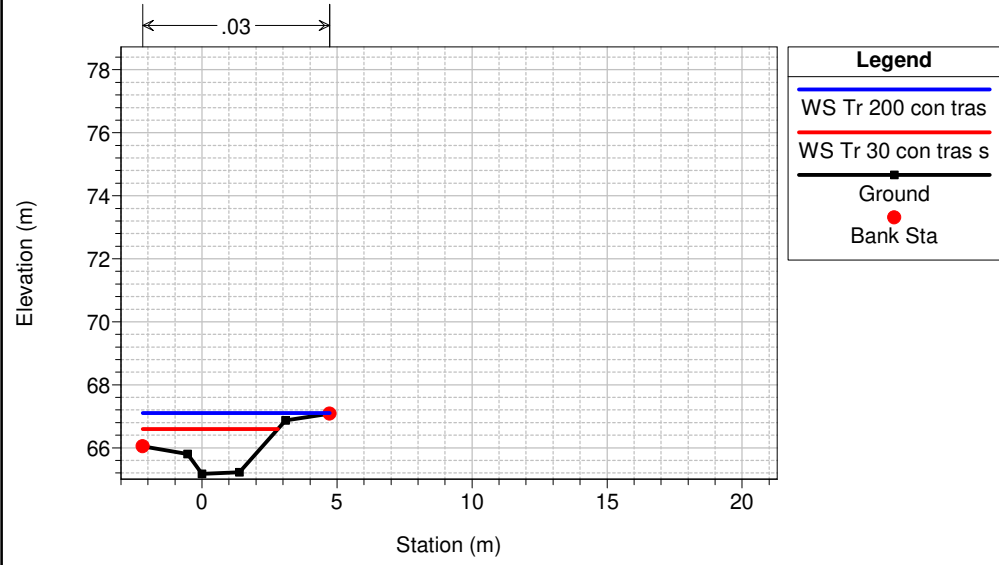
Lama-Maltempo Plan: Serchio Tr 200 e Tr 30 anni

Geom: Progetto Lama-Maltempo Lotto 5 mod aggior Flow: Progetto Lama-Maltempo intero piena Serc

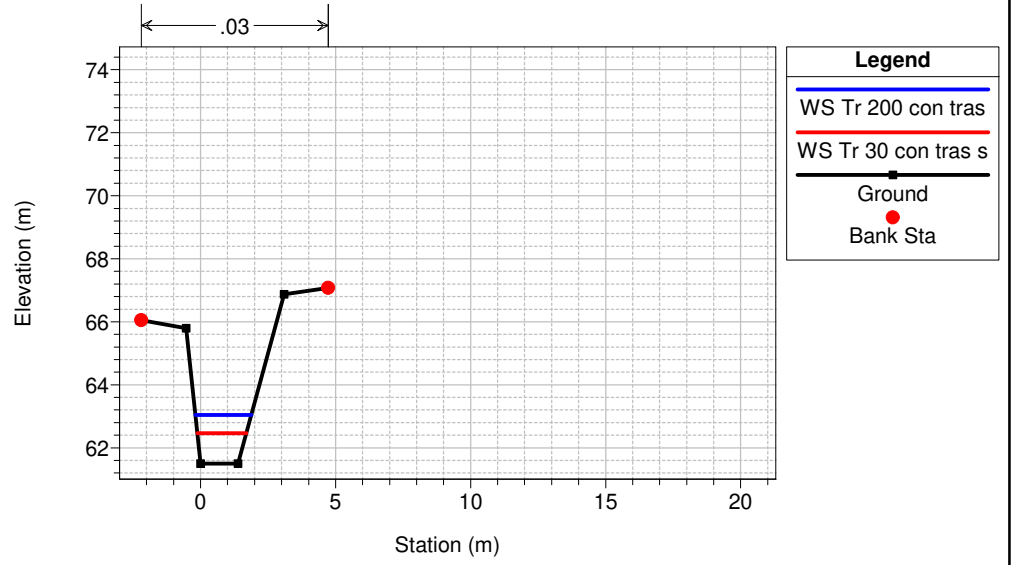
River = MALTEMPO Reach = MALTEMPO RS = 14



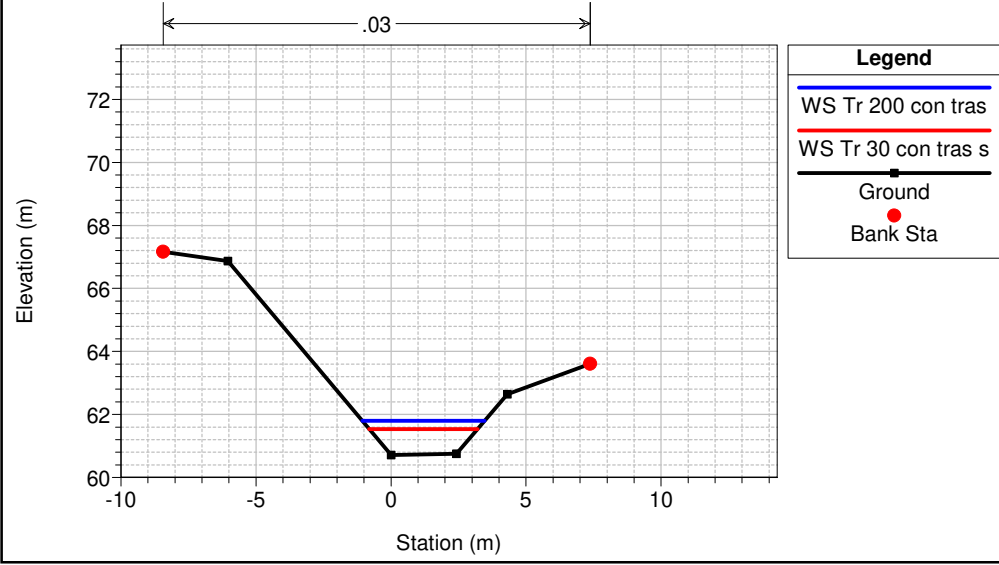
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 200 Sezione 1



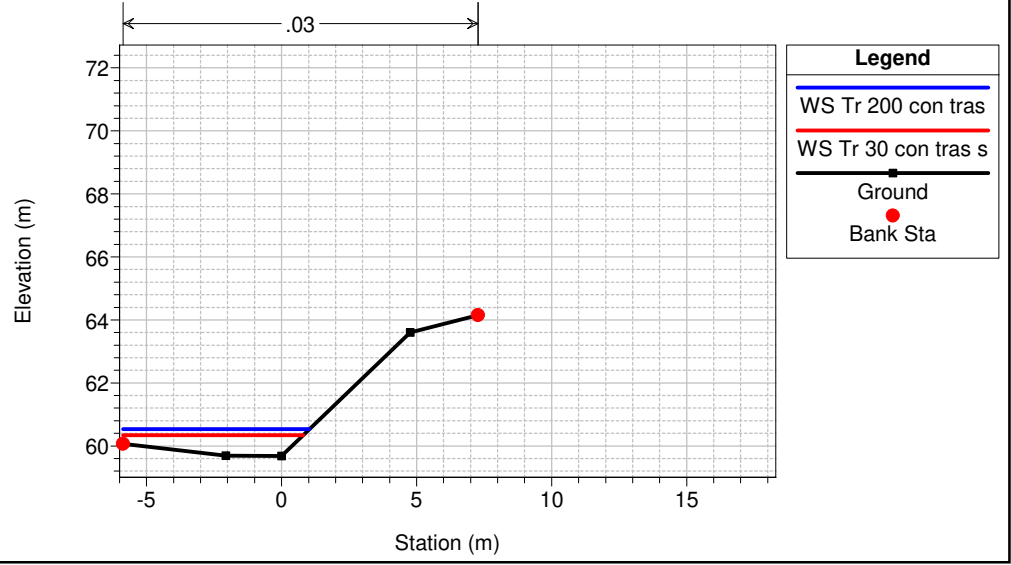
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 199 Sezione 1bis



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 195 Sezione 2

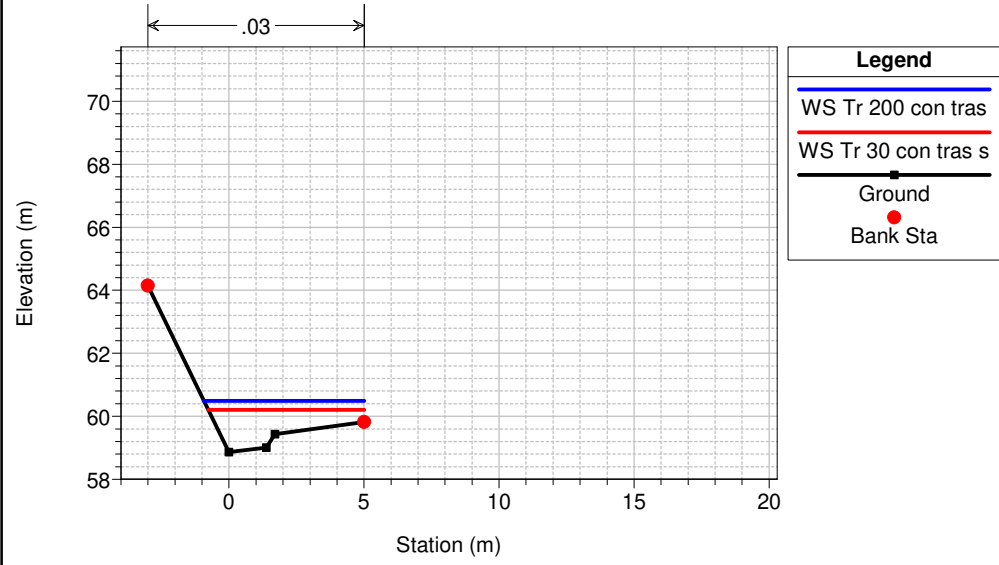


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 190 Sezione 3

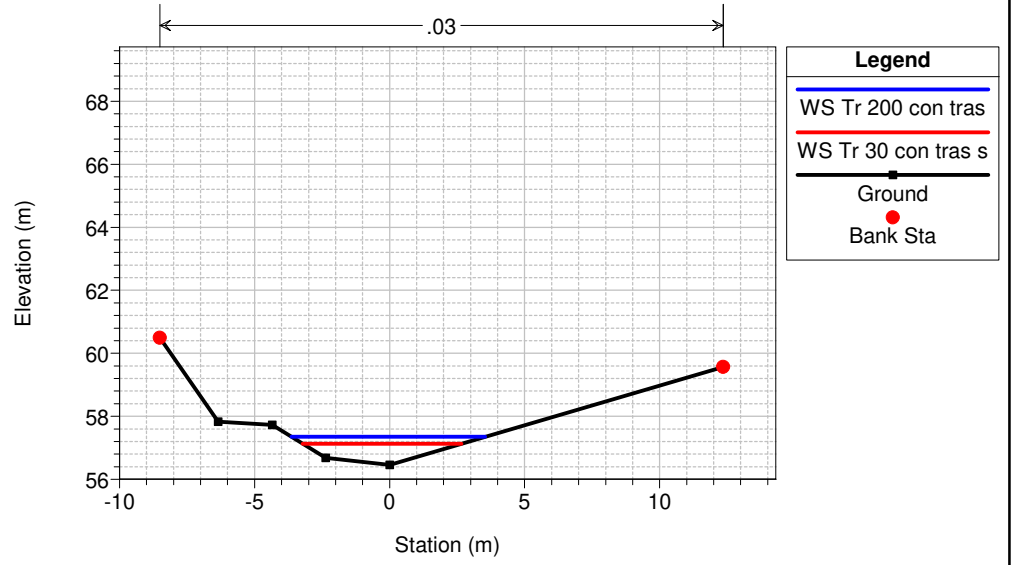


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

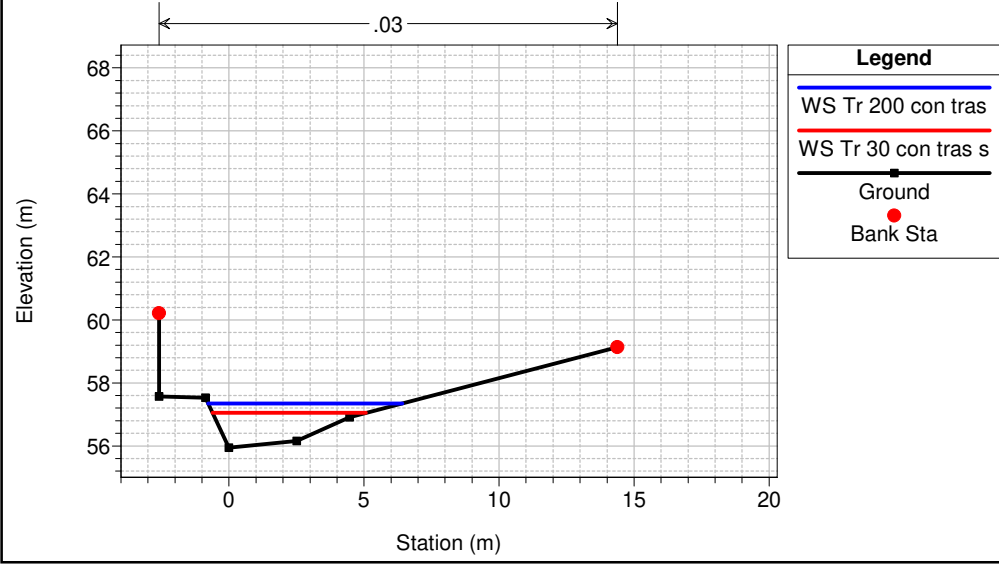
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 185 Sezione 4



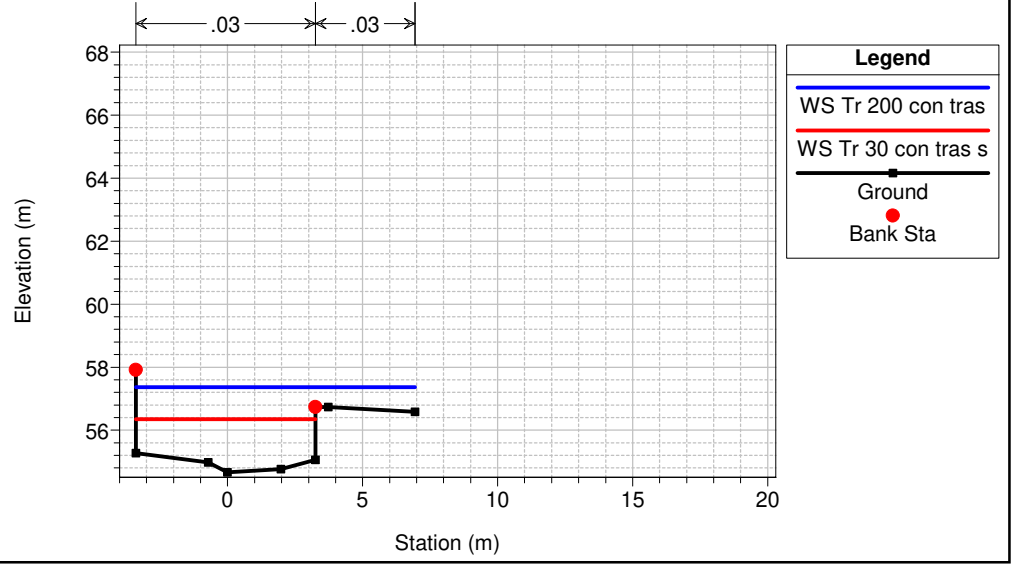
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 180 Sezione 5



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 175 Sezione 6

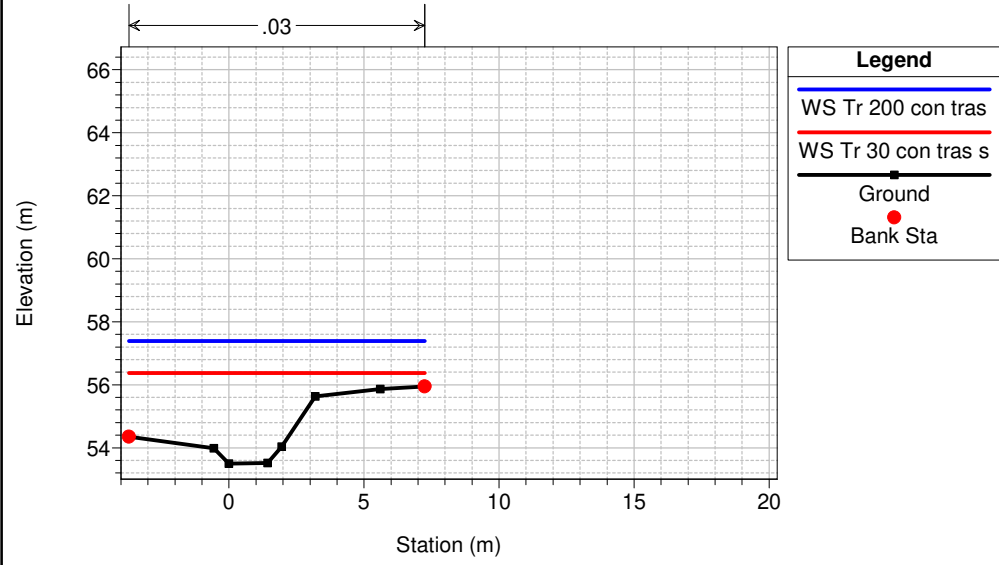


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 170 Sezione 7

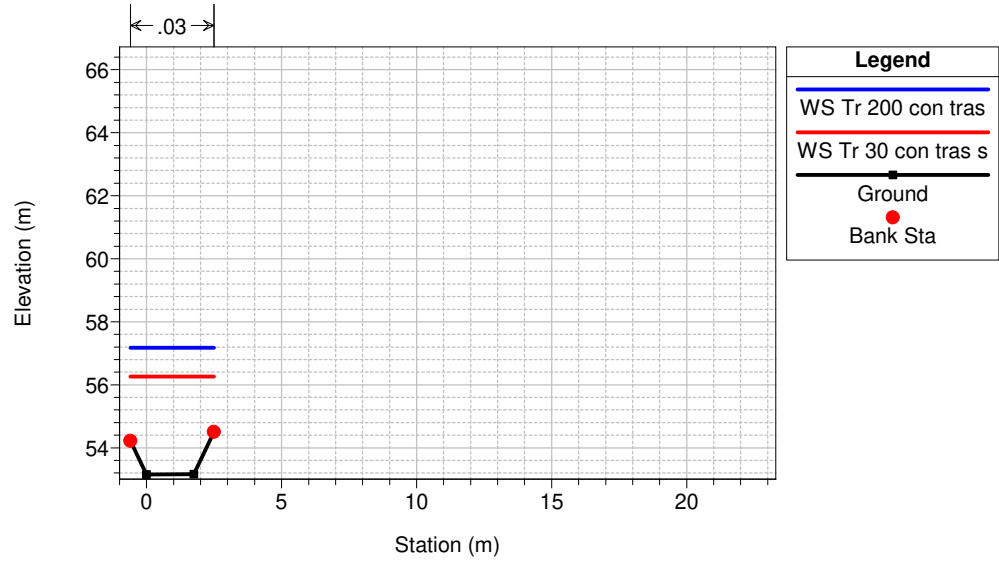


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

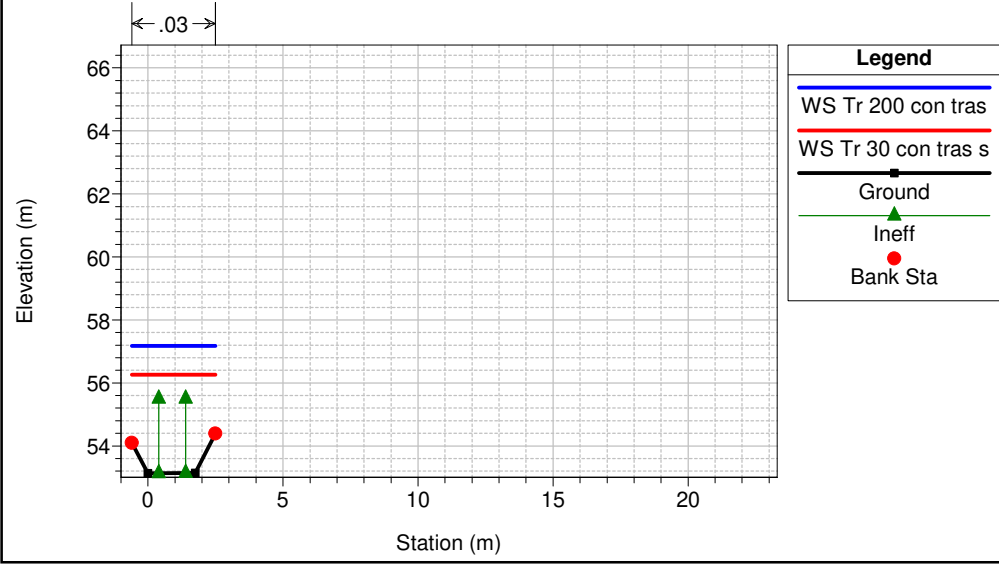
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 165 Sezione 8



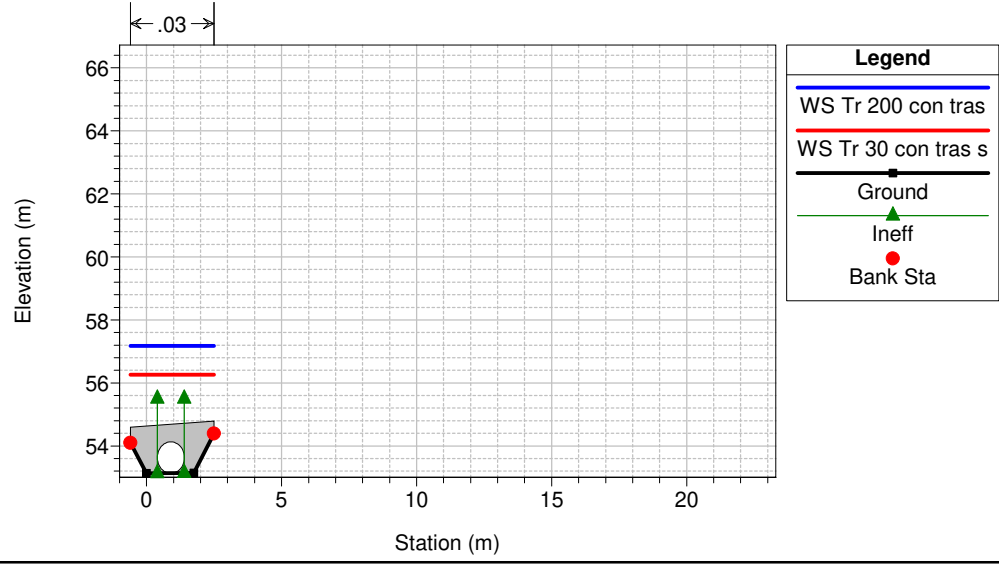
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 164 Sezione 8A



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 163 Sezione 8B



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 162.5 Culv sottopasso circolare di 100 cm di diametro

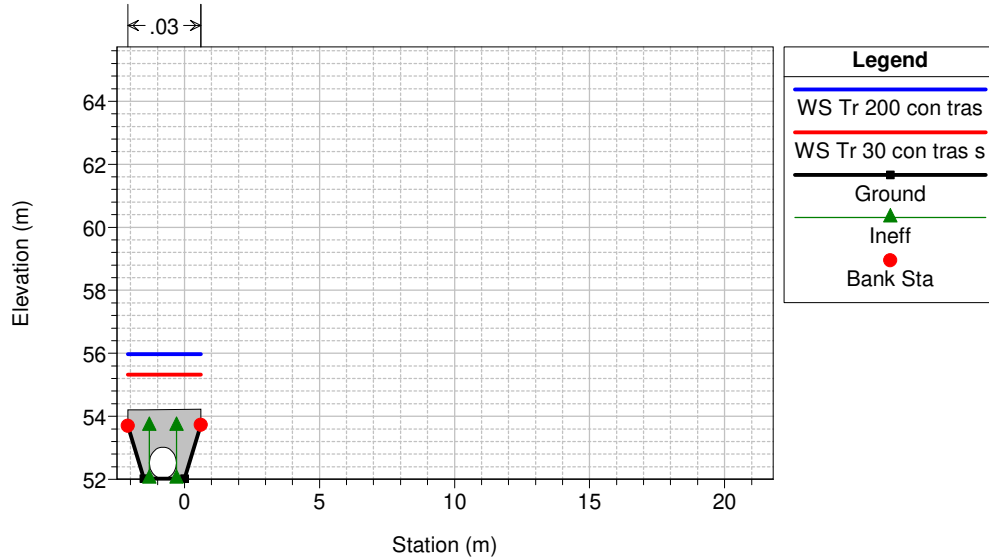


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

Rio Gatto Plan: modello con Trasporto solido

Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido

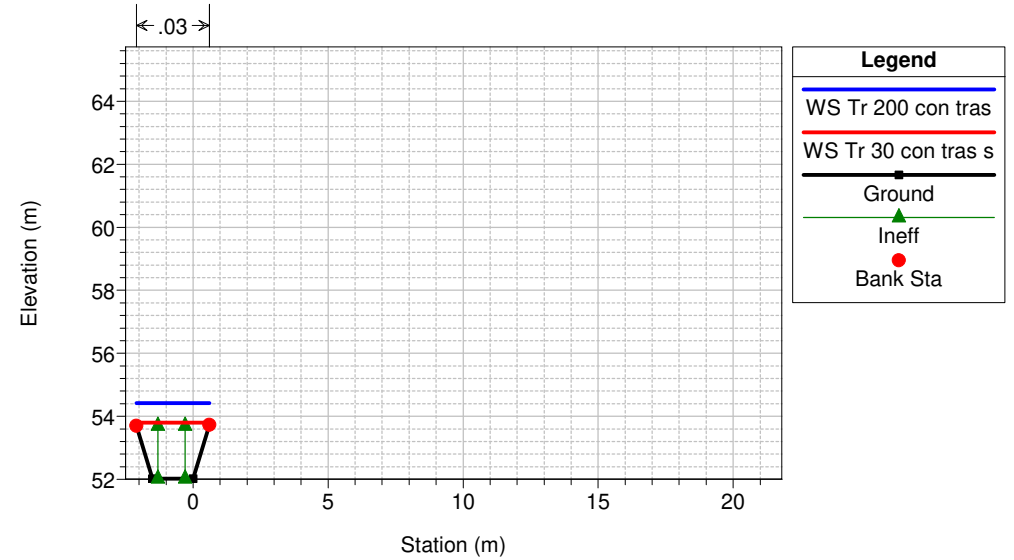
River = Gatto Reach = 1 RS = 162.5 Culv sottopasso circolare di 100 cm di diametro



Rio Gatto Plan: modello con Trasporto solido

Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido

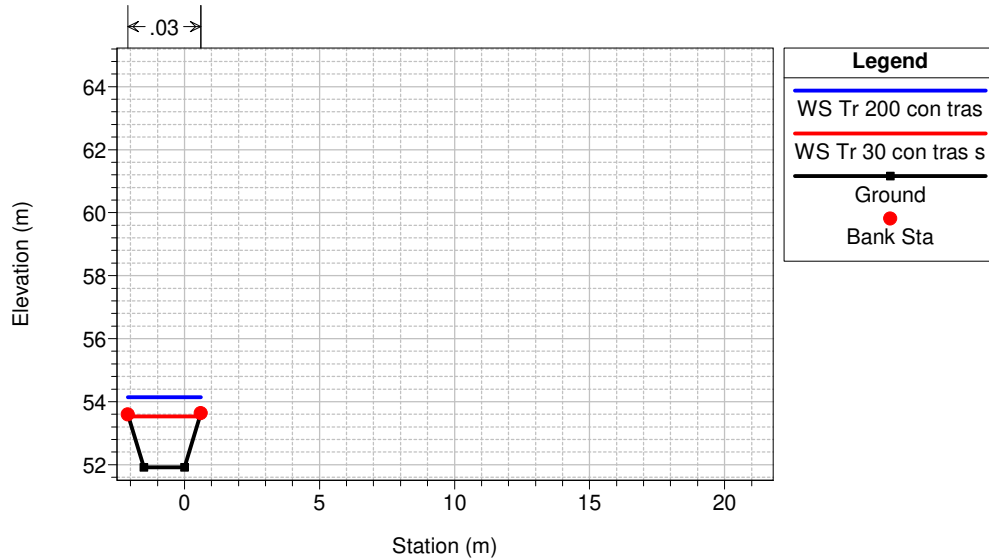
River = Gatto Reach = 1 RS = 162 Sezzione 8C



Rio Gatto Plan: modello con Trasporto solido

Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido

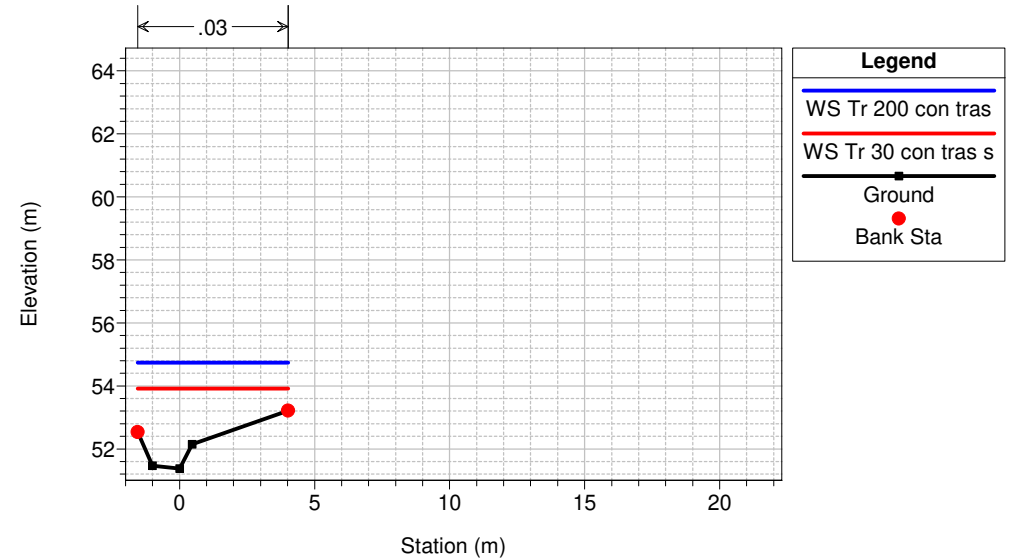
River = Gatto Reach = 1 RS = 161 Sezzione 8D



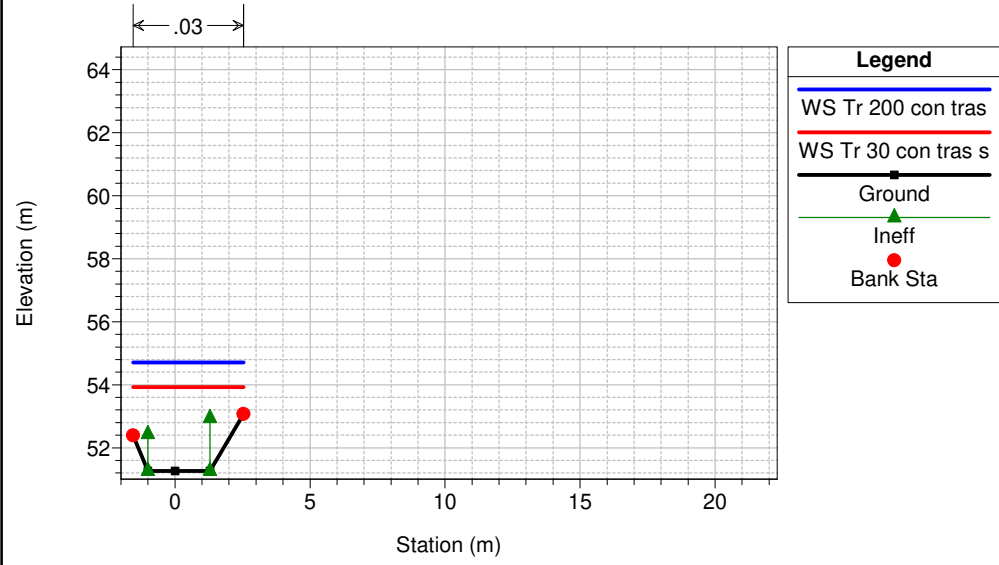
Rio Gatto Plan: modello con Trasporto solido

Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido

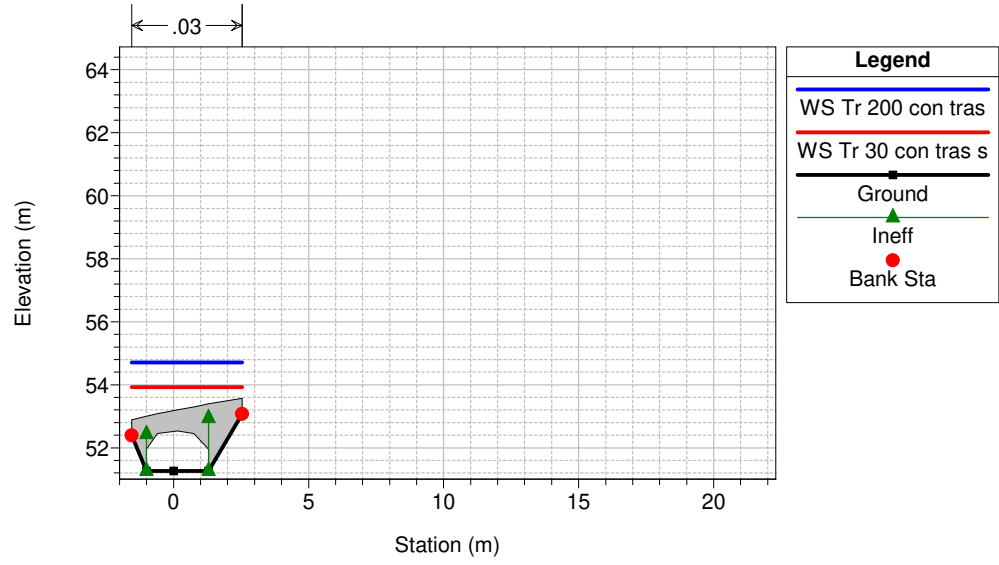
River = Gatto Reach = 1 RS = 160.9 Sezzione 9A



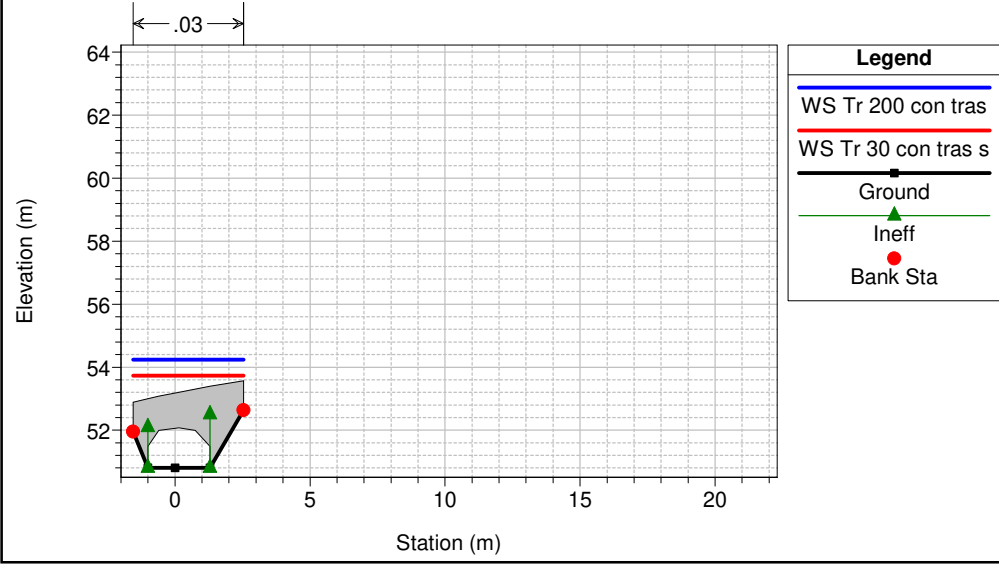
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 160.8 Sezione 9B



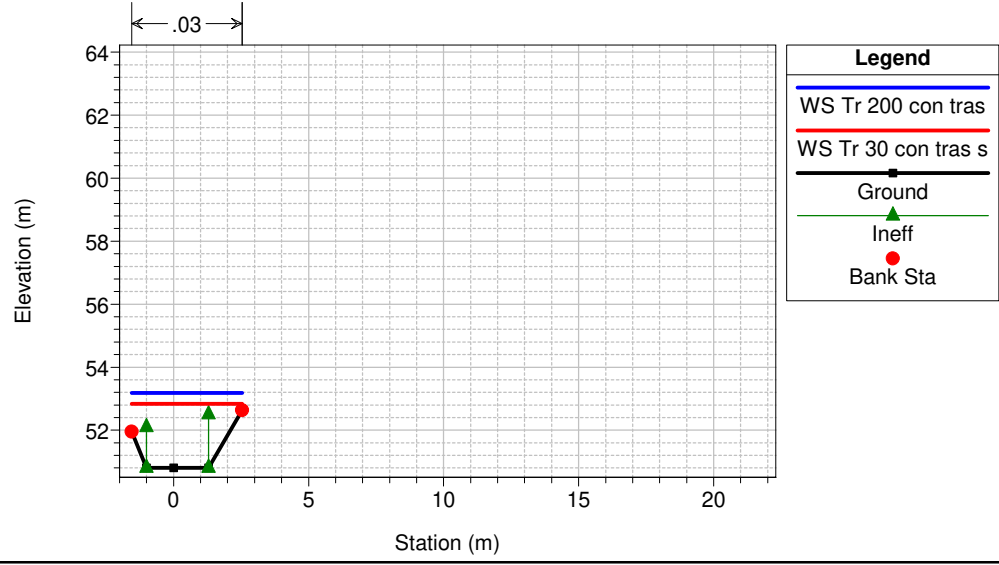
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 160.7 BR sottopasso ad arco



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 160.7 BR sottopasso ad arco

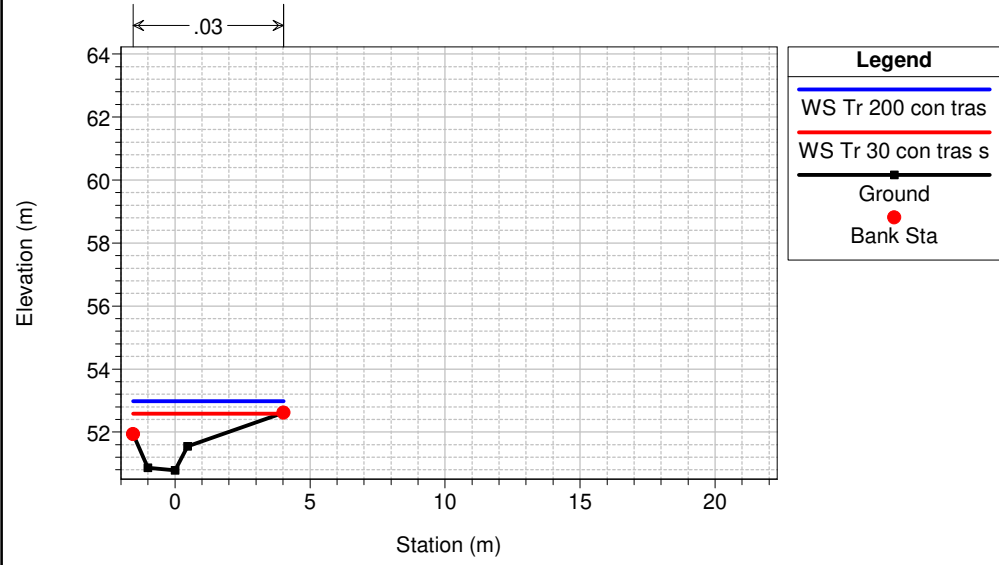


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 160.6 Sezione 9C

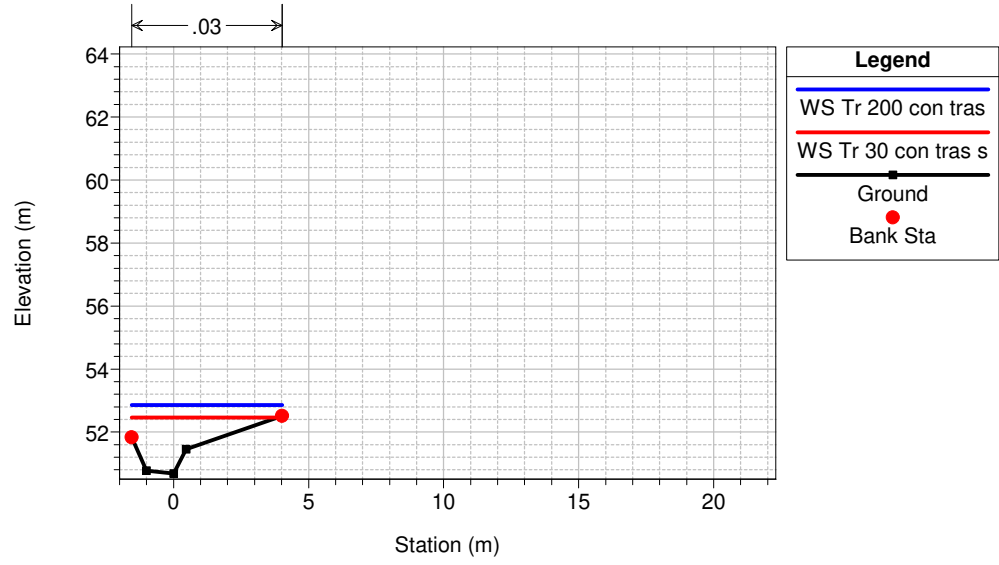


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

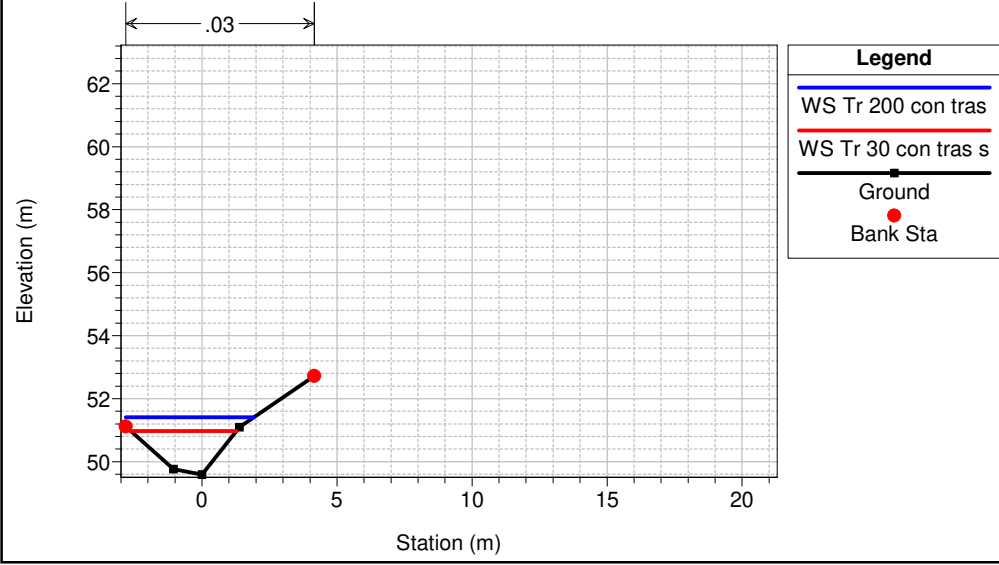
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 160.5 Sezione 9D



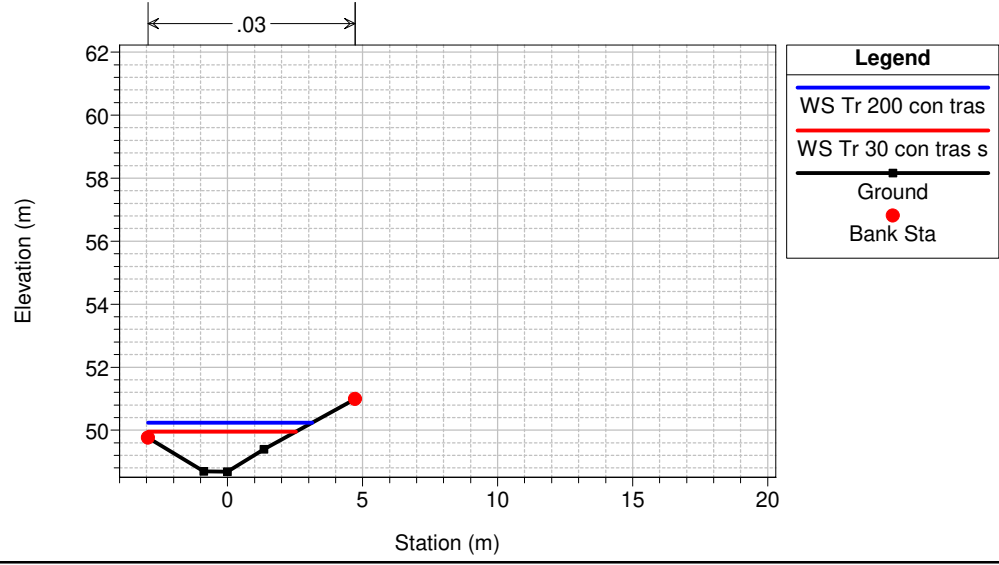
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 160 Sezione 9



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 155 Sezione 10

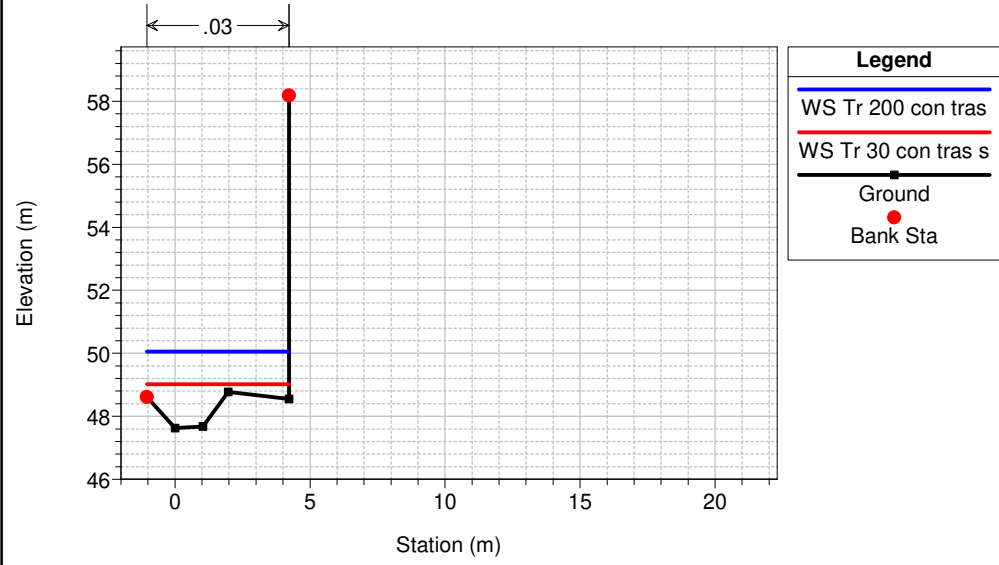


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 150 Sezione 11

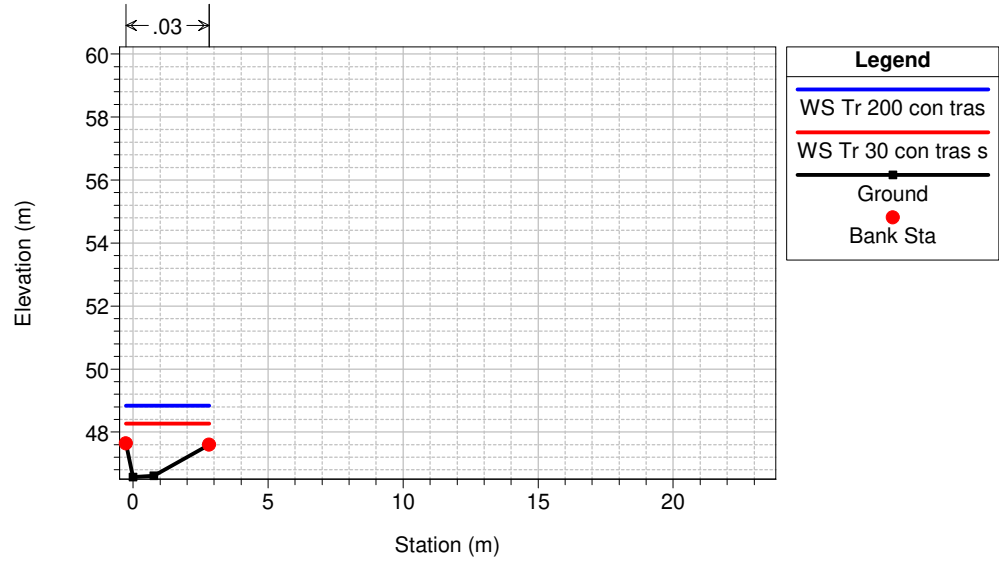


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

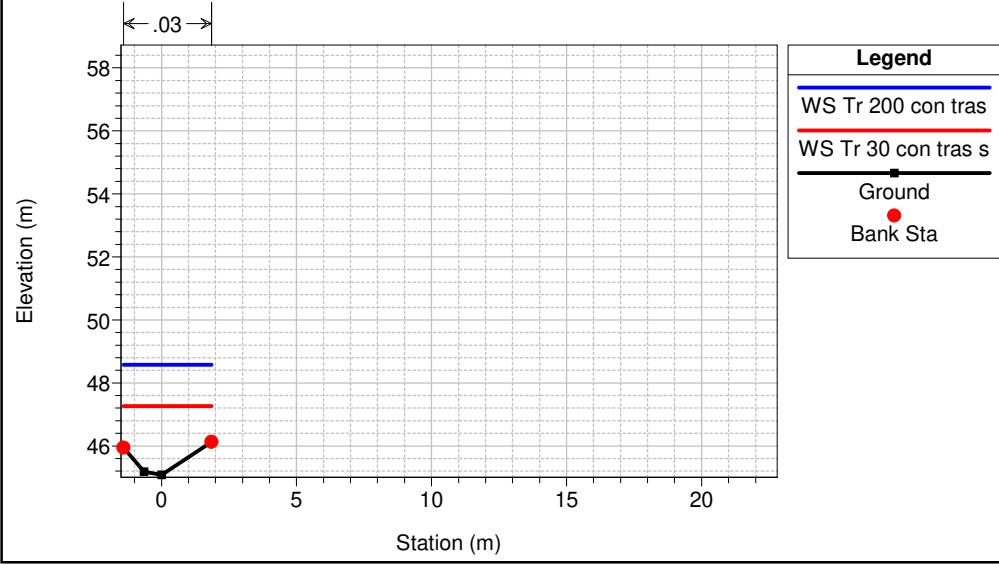
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 145 Sezione 12



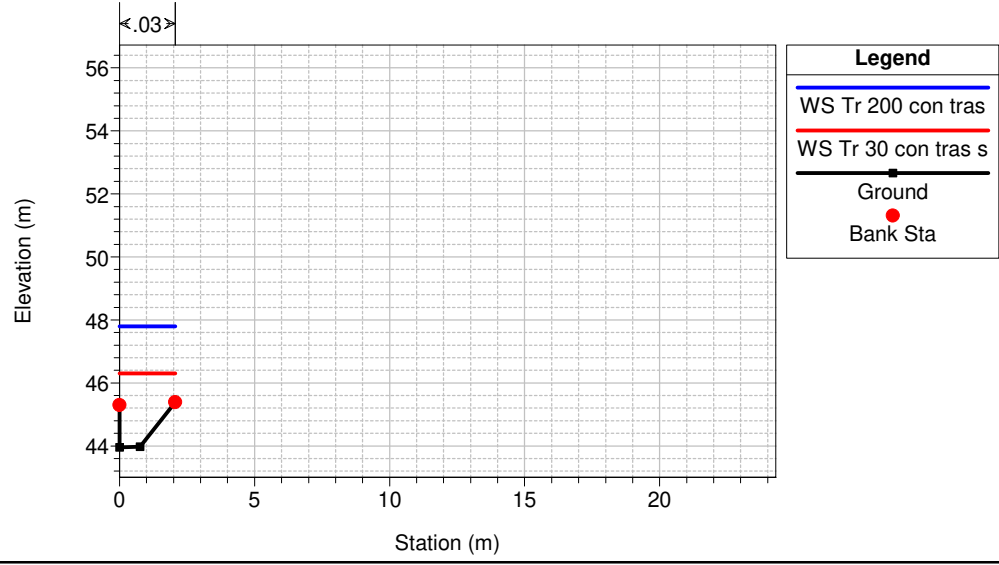
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 140 Sezione 13



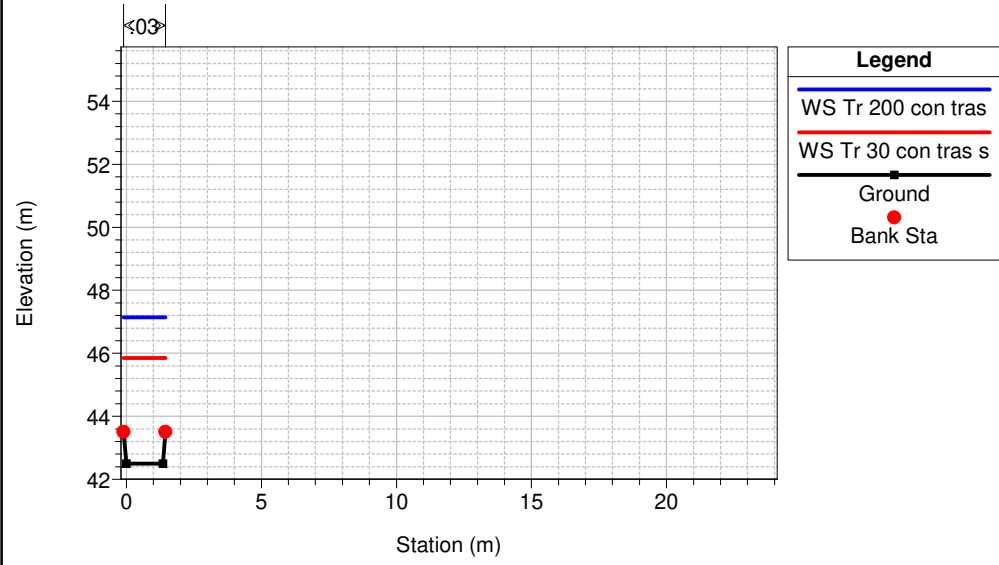
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 135 Sezione 14



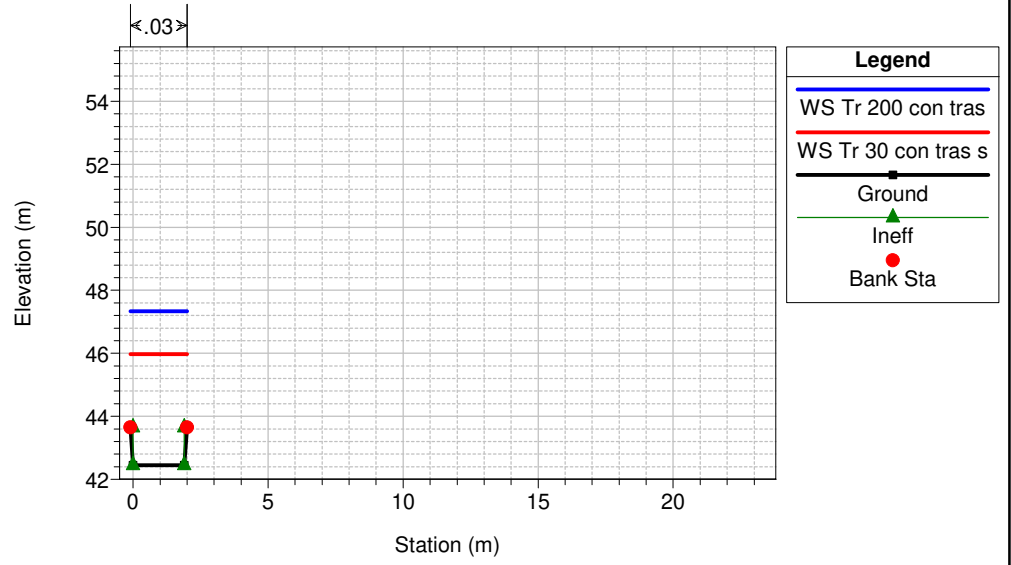
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 130 Sezione 15



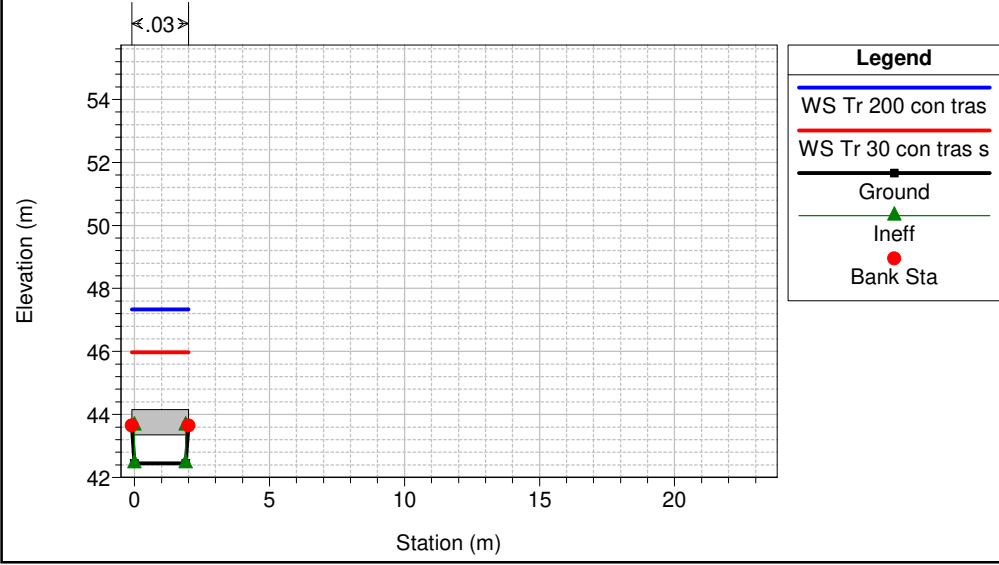
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 129 Sezione 15A



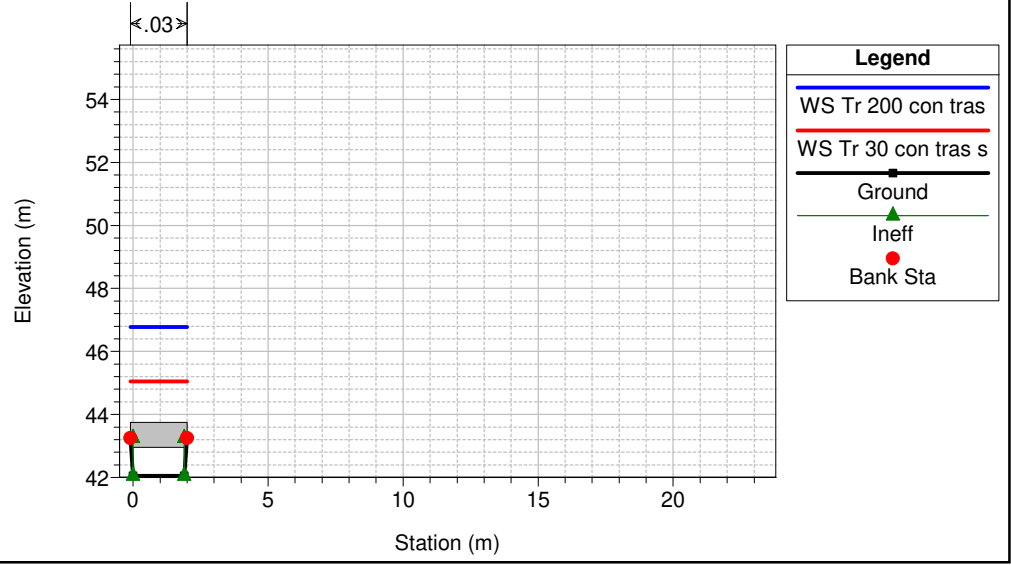
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 128 Sezione 15B



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 127.5 Culv

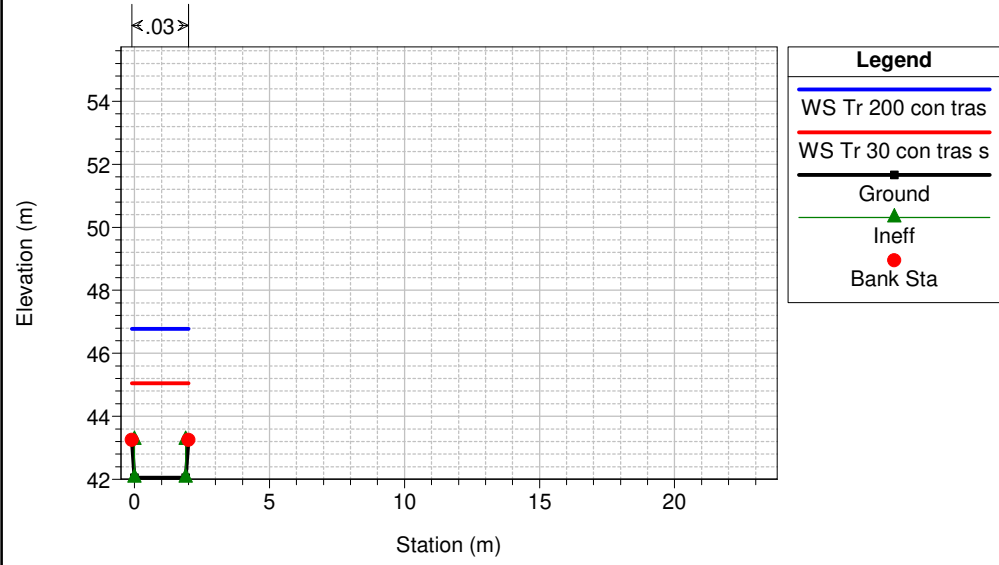


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 127.5 Culv

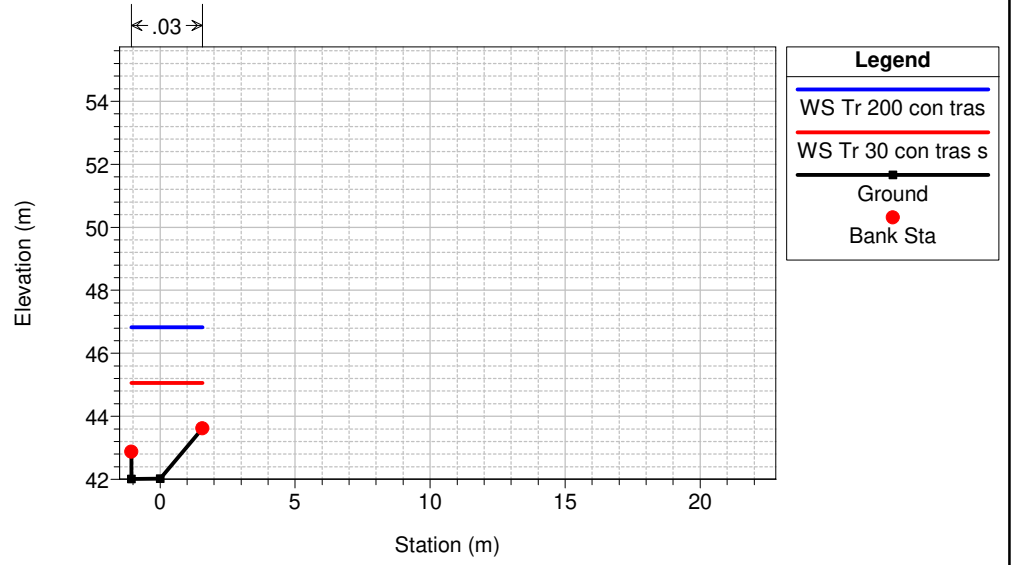


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

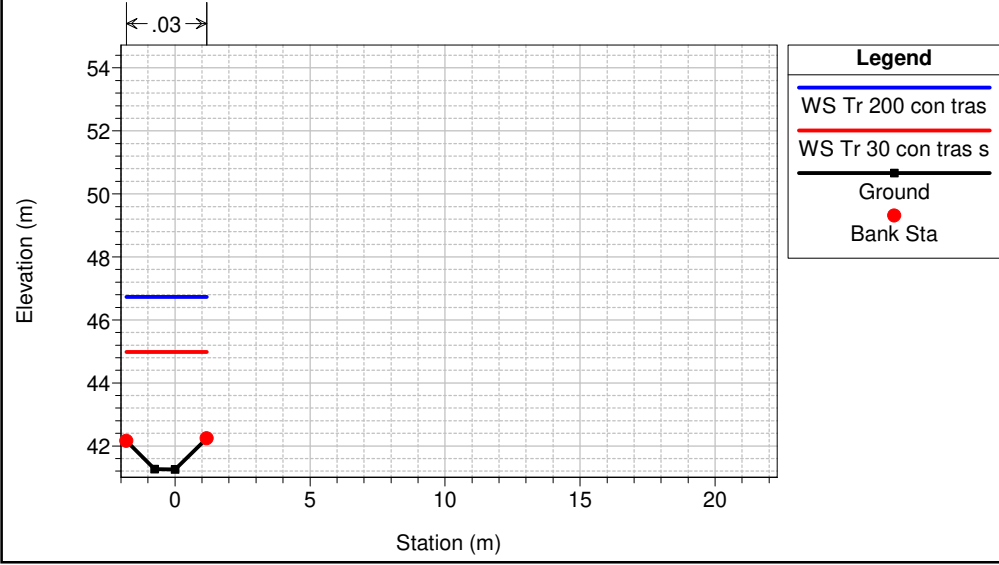
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 127 Sezione 15C



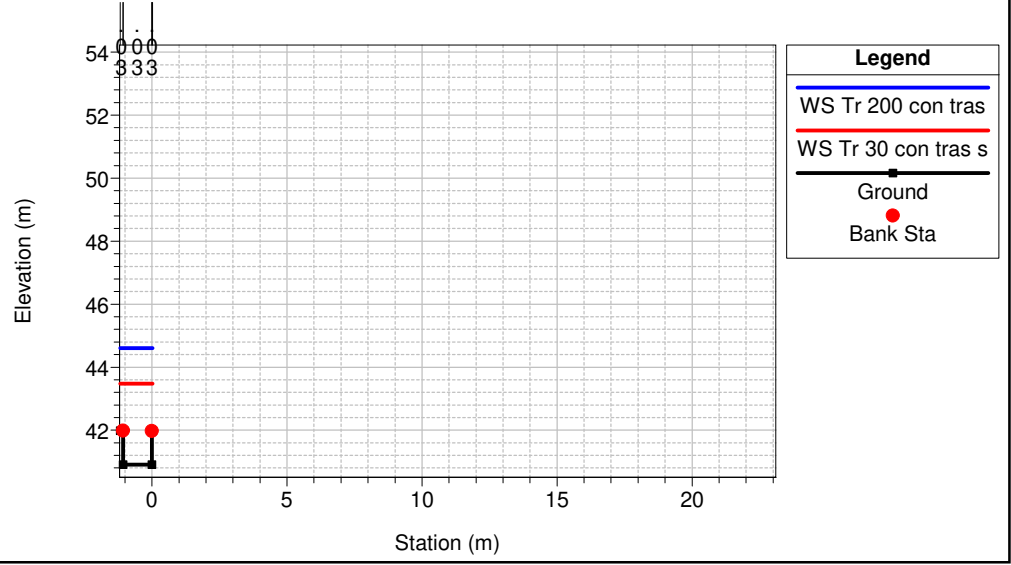
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 125 Sezione 16



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 120 Sezione 17

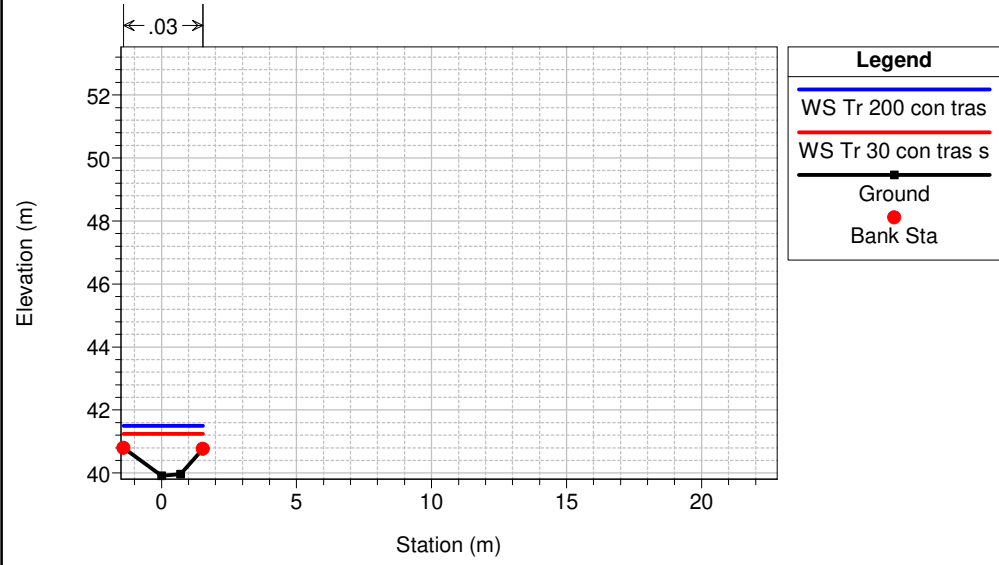


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 115 Sezione 18

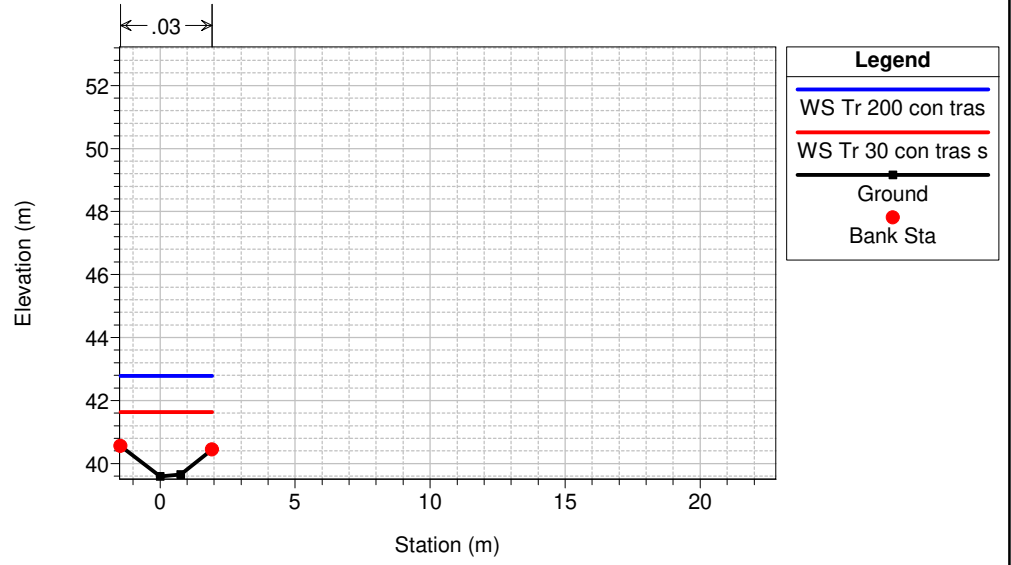


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

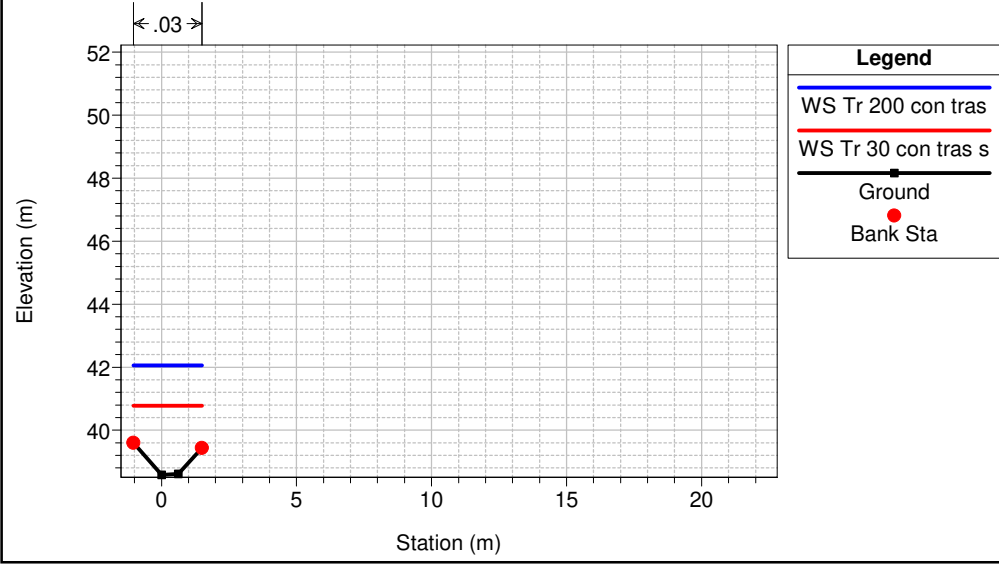
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 110 Sezione 18 bis



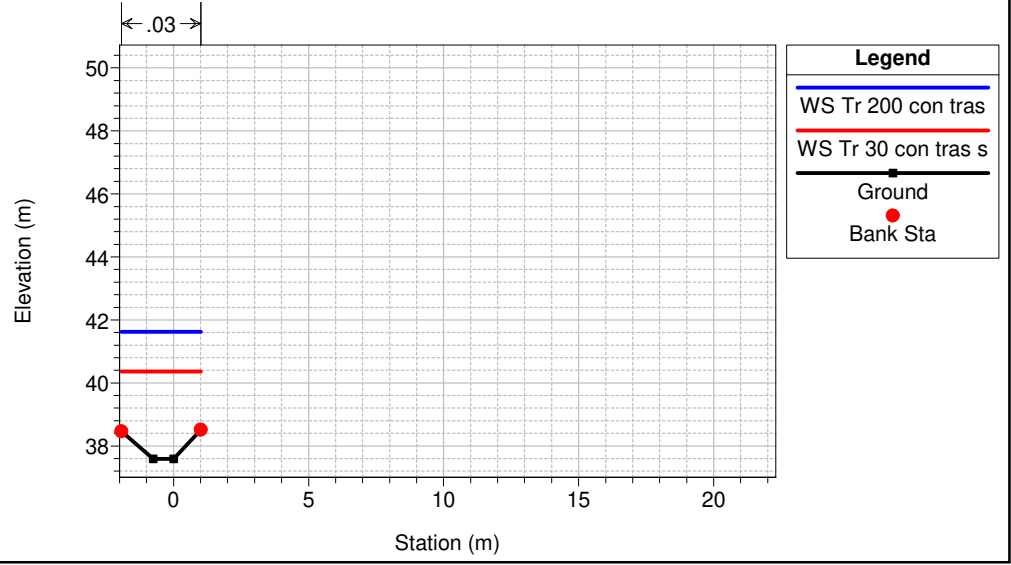
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 105 Sezione 19



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 100 Sezione 20

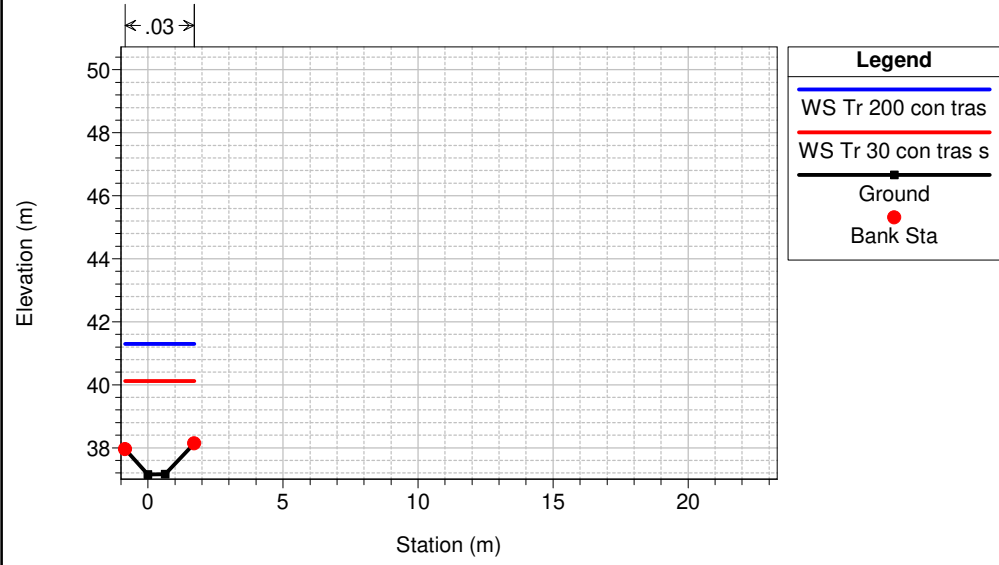


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 95 Sezione 20 bis

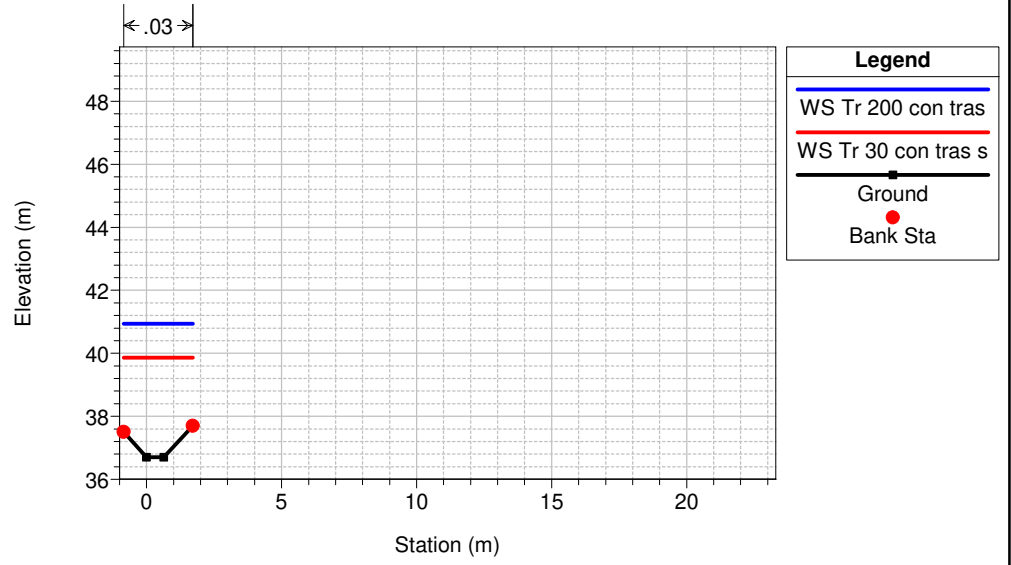


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

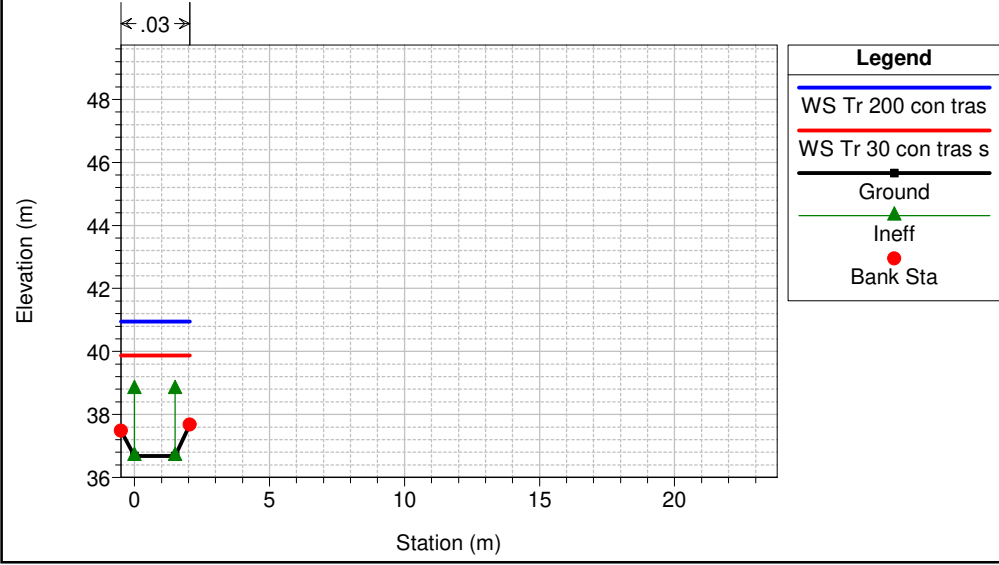
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 90 Sezione 21



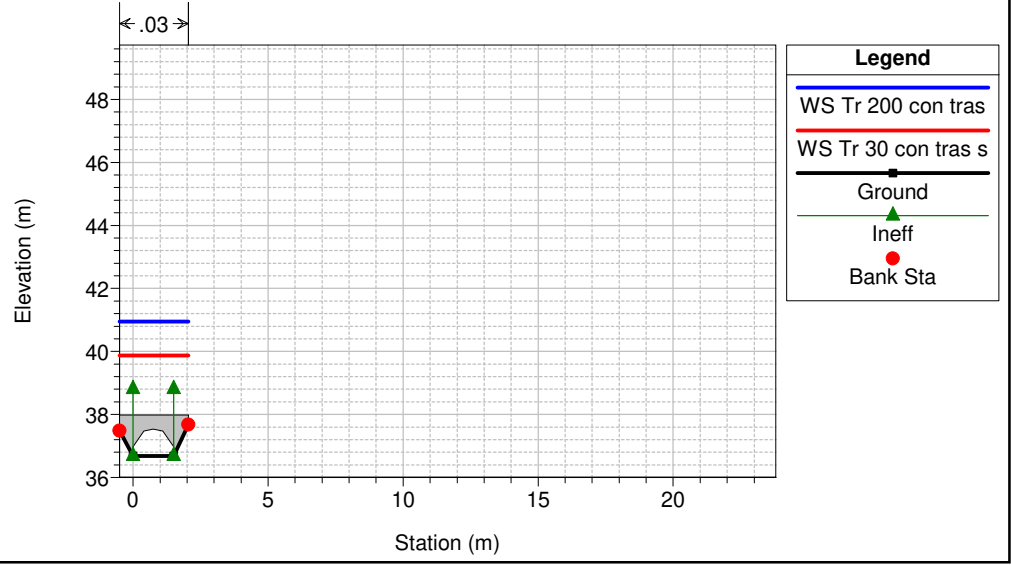
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 89 Sezione 21A



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 88 Sezione 21B

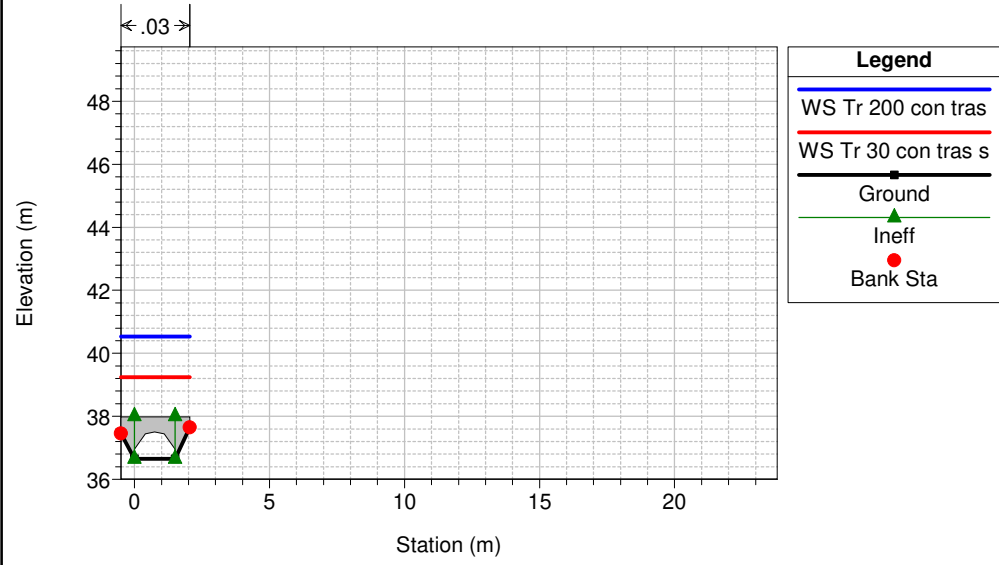


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 87.5 BR

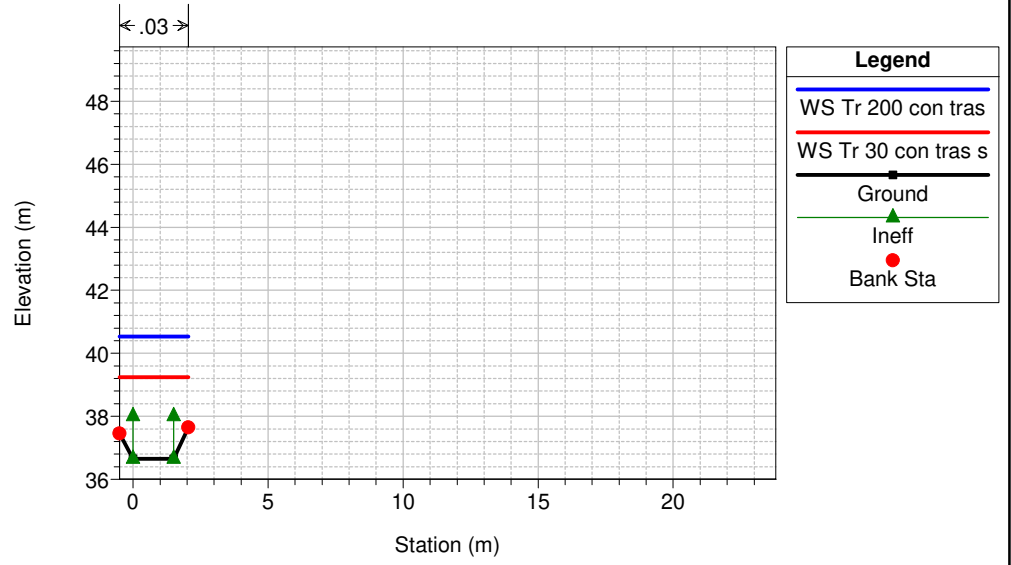


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

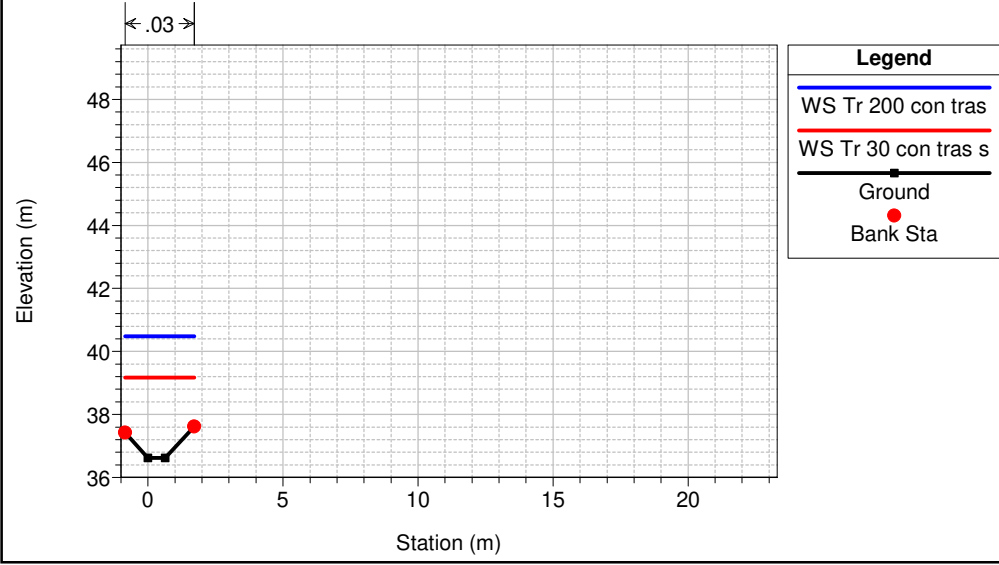
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 87.5 BR



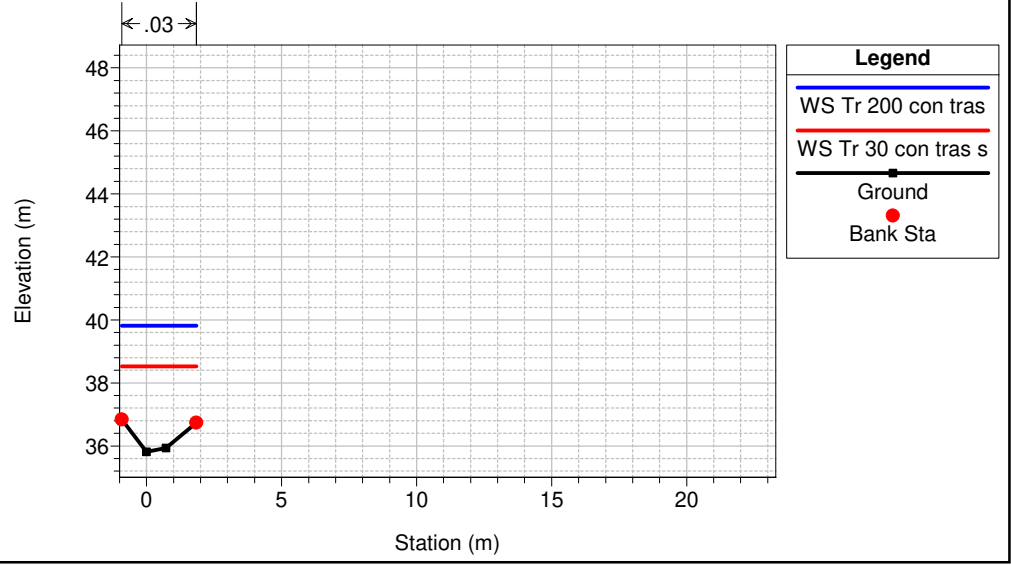
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 87 Sezione 21C



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 86 Sezione 21D

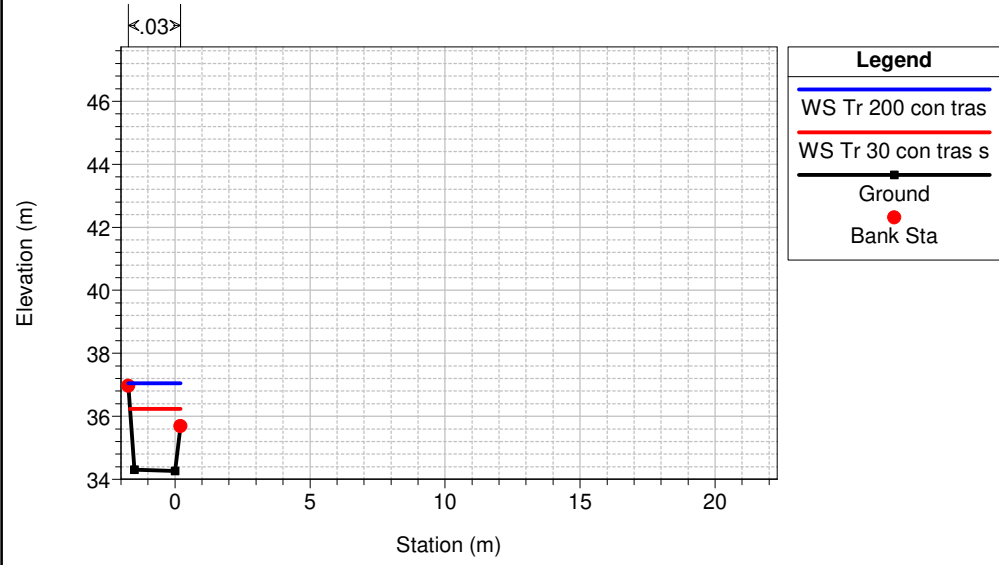


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 85 Sezione 22

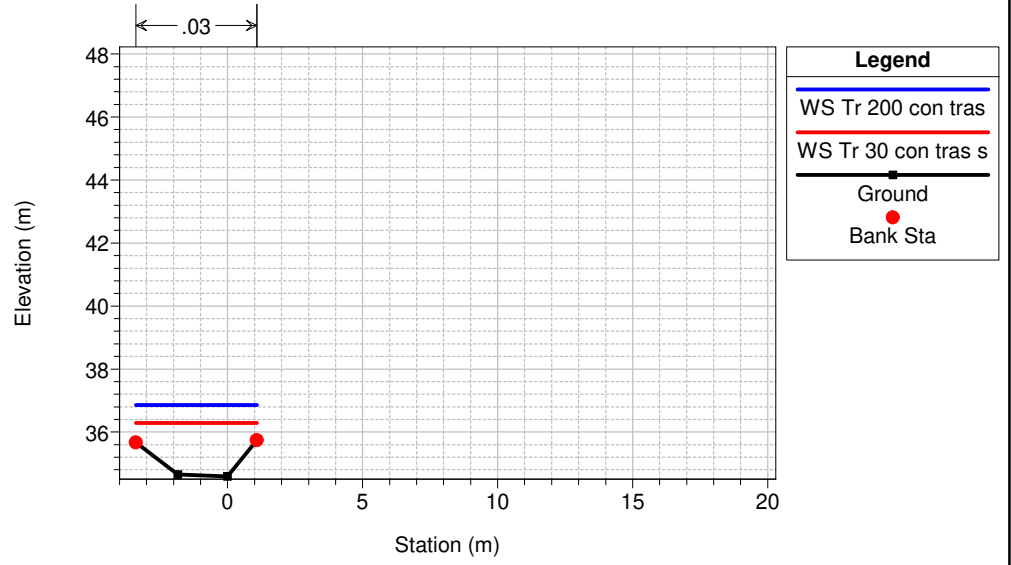


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

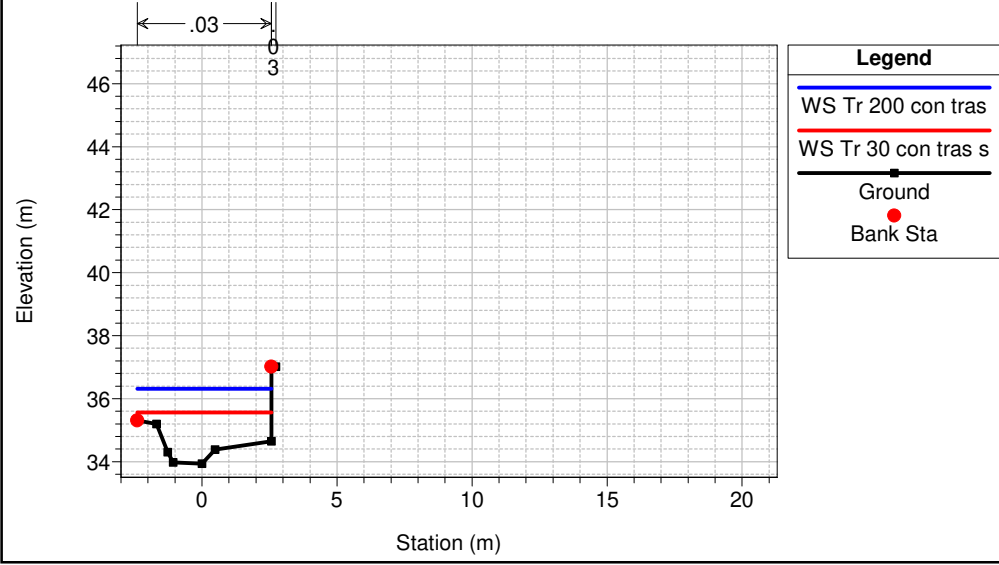
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 80 Sezione 23



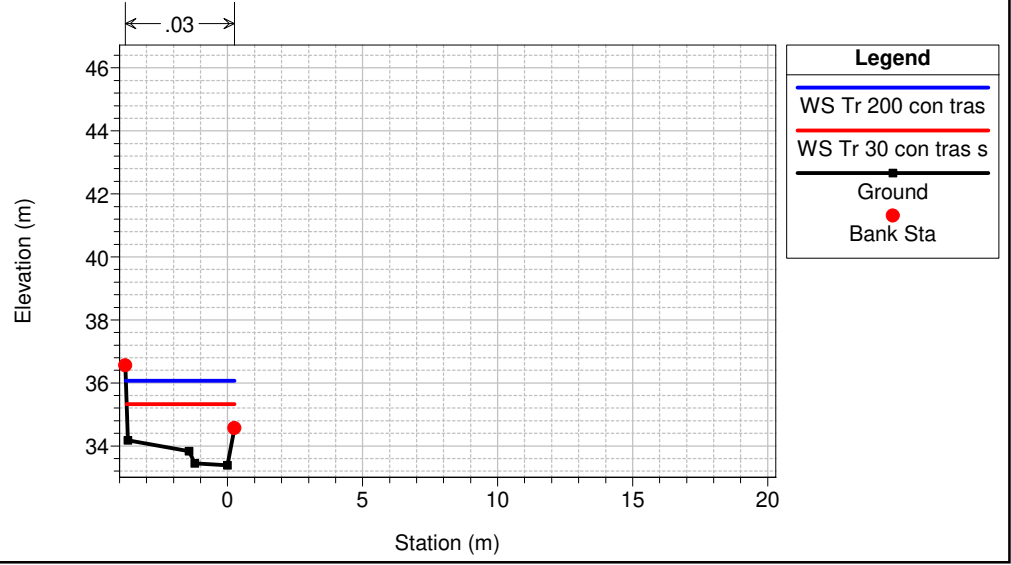
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 75 Sezione 24



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 70 Sezione 25

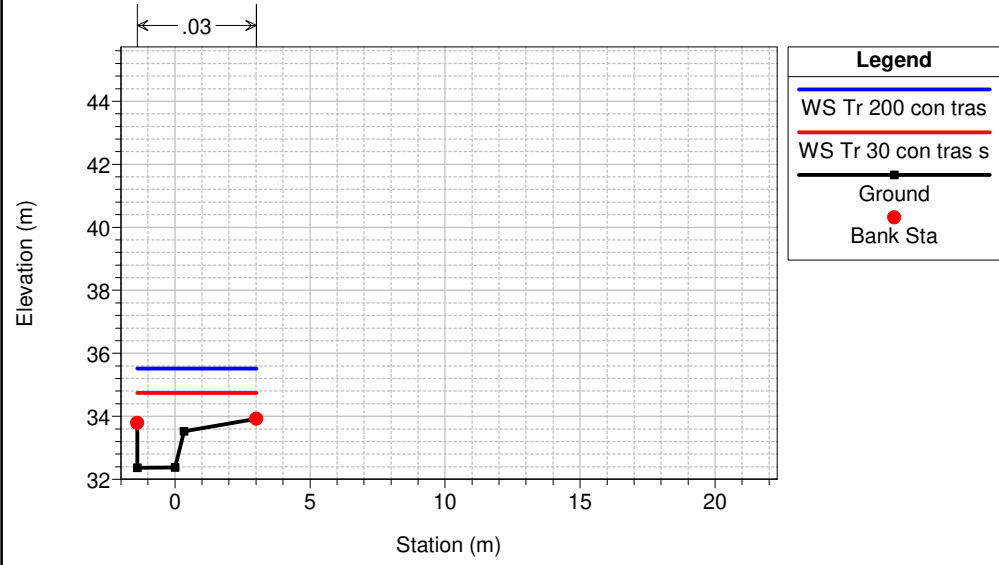


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 65 Sezione 25 bis

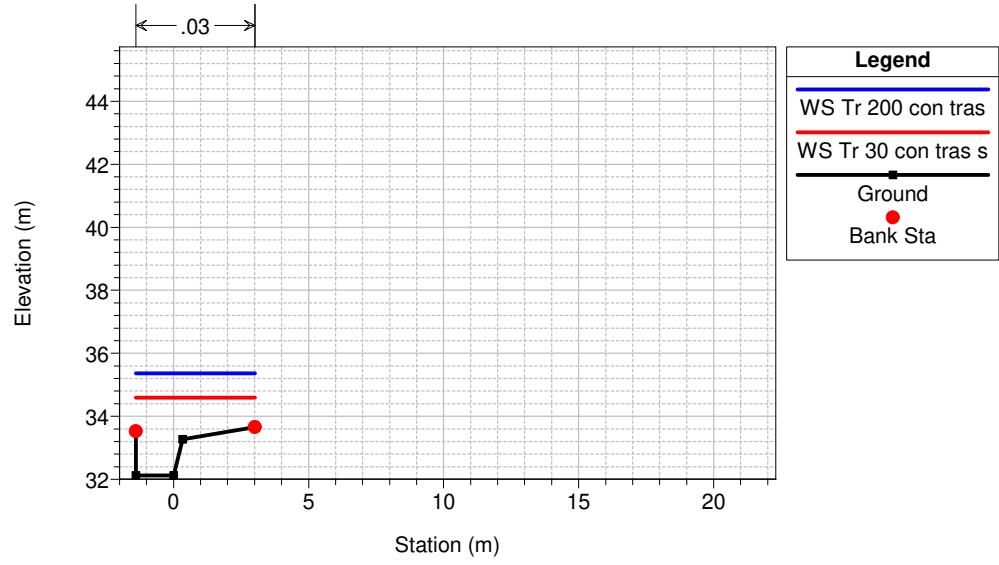


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

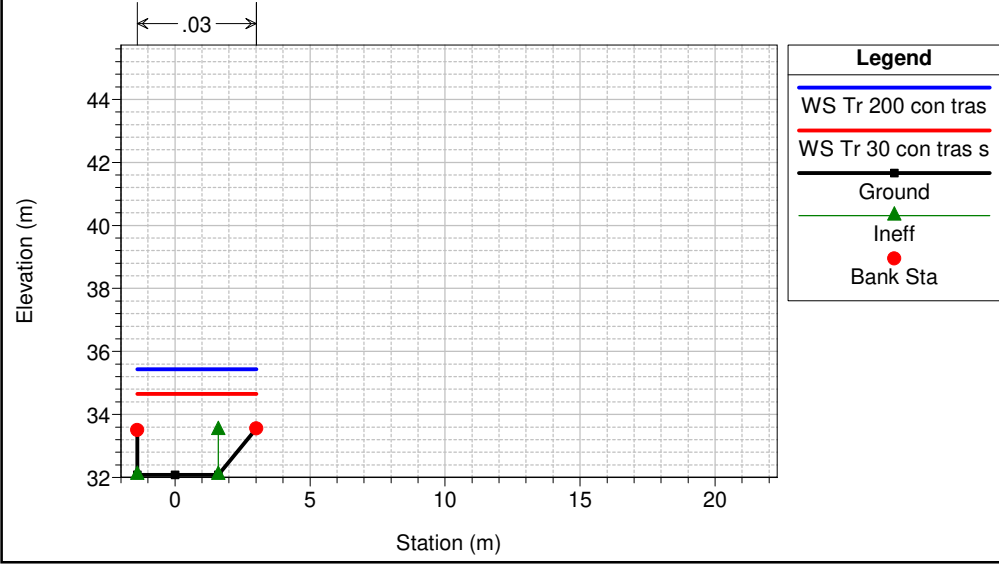
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 60 Sezione 26



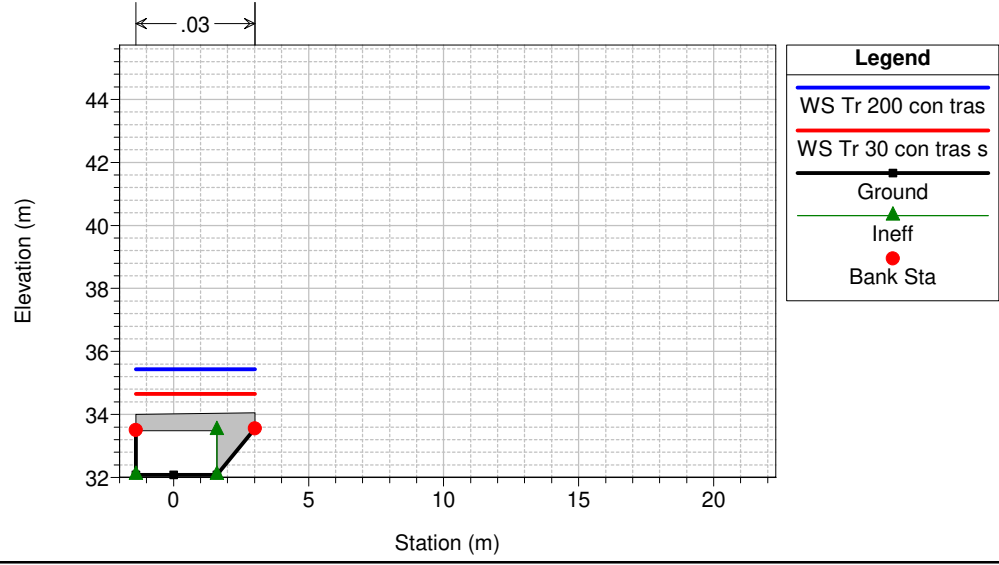
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 56 Sezione 26A



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 55 Sezione 26B

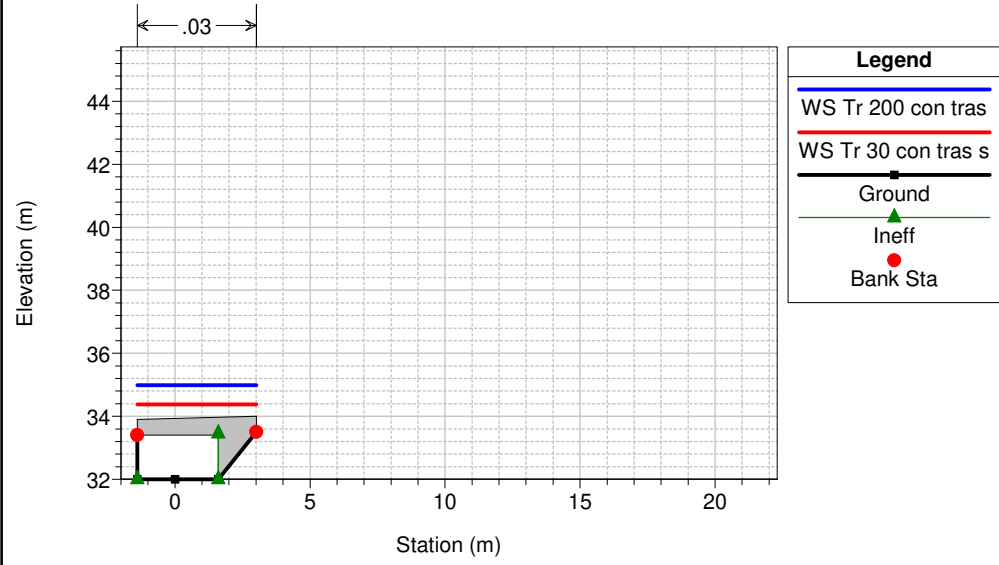


Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 54.5 Culv

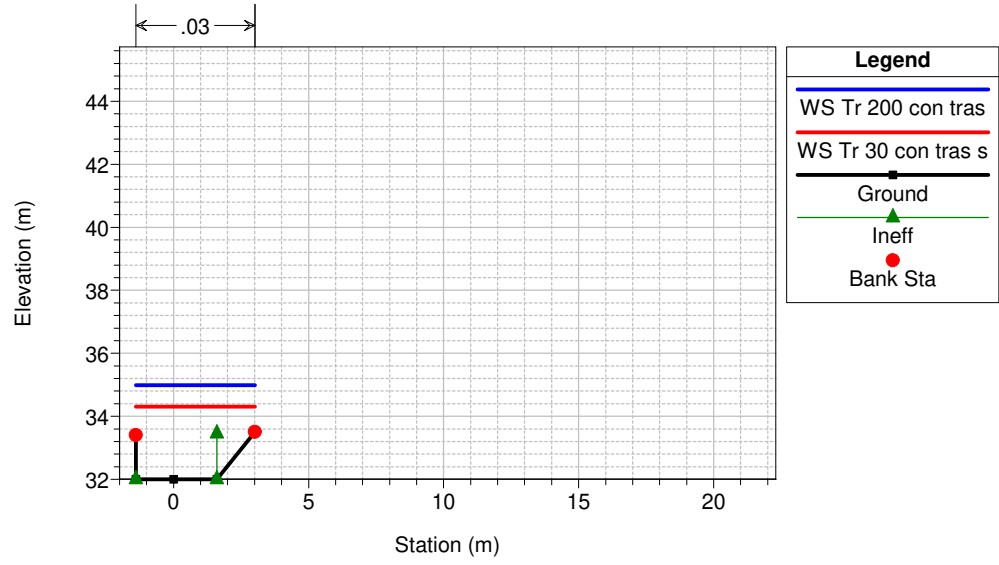


1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

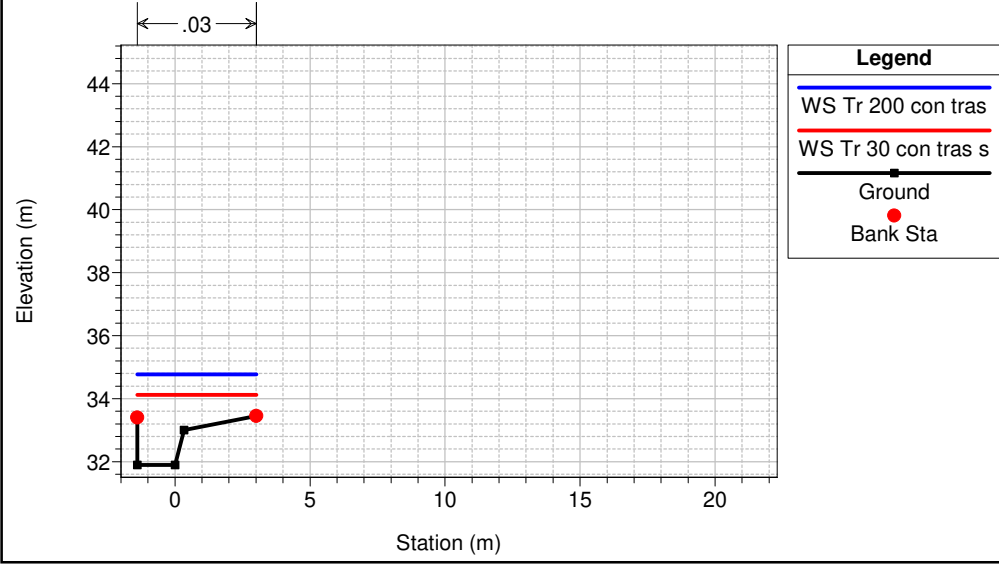
Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 54.5 Culv



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 54 Sezione 26C



Rio Gatto Plan: modello con Trasporto solido
 Geom: rio Gatto3 S.A. MOD Flow: corrente mista min MOD tras solido
 River = Gatto Reach = 1 RS = 53 Sezione 26D



1 cm Horiz. = 2.8 m 1 cm Vert. = 2.4 m

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Max Chl Dpth (m)	LOB Elev (m)	ROB Elev (m)	L. Freeboard (m)	R. Freeboard (m)	Vel Chnl (m/s)	Froude # Chl	Length Chnl (m)
Carraia	54	Tr 200Piena Carr	23.52	40.06	41.94	1.88	42.83	42.80	0.89	0.86	2.91	0.69	4.94
Carraia	54	TR 30 Piena Carr	12.12	40.06	41.00	0.94	42.83	42.80	1.83	1.80	3.02	1.00	4.94
Carraia	53	Tr 200Piena Carr	23.52	39.96	42.10	2.14	42.83	41.96	0.73	-0.14	2.03	0.46	12.28
Carraia	53	TR 30 Piena Carr	12.12	39.96	40.81	0.85	42.83	41.96	2.02	1.15	3.41	1.21	12.28
Carraia	52	Tr 200Piena Carr	23.52	39.85	42.09	2.24	41.85	41.85	-0.24	-0.24	1.96	0.44	3.61
Carraia	52	TR 30 Piena Carr	12.12	39.85	40.76	0.91	41.85	41.85	1.09	1.09	3.14	1.08	3.61
Carraia	51	Tr 200Piena Carr	23.52	39.82	41.98	2.16	41.82	41.82	-0.16	-0.16	2.29	0.52	10.50
Carraia	51	TR 30 Piena Carr	12.12	39.82	40.73	0.91	41.82	41.82	1.09	1.09	3.17	1.09	10.50
Carraia	50	Tr 200Piena Carr	23.52	39.73	41.96	2.23	41.73	41.73	-0.23	-0.23	2.24	0.50	6.93
Carraia	50	TR 30 Piena Carr	12.12	39.73	40.62	0.89	41.73	41.73	1.11	1.11	3.23	1.12	6.93
Carraia	49	Tr 200Piena Carr	23.52	39.25	41.83	2.58	41.25	41.25	-0.58	-0.58	2.53	0.50	0.10
Carraia	49	TR 30 Piena Carr	12.12	39.25	40.67	1.42	41.25	41.25	0.58	0.58	2.38	0.64	0.10
Carraia	48.9		Bridge										
Carraia	48	Tr 200Piena Carr	23.52	38.95	40.49	1.54	40.65	41.25	0.16	0.76	5.09	1.36	19.75
Carraia	48	TR 30 Piena Carr	12.12	38.95	40.13	1.18	40.65	41.25	0.52	1.11	3.47	1.05	19.75
Carraia	46	Tr 200Piena Carr	23.52	38.74	40.12	1.38	41.10	41.70	0.98	1.58	5.26	1.48	12.81
Carraia	46	TR 30 Piena Carr	12.12	38.74	39.66	0.92	41.10	41.70	1.44	2.04	4.15	1.41	12.81
Carraia	45	Tr 200Piena Carr	23.52	38.49	39.78	1.29	40.96	41.11	1.18	1.33	5.33	1.54	0.07
Carraia	45	TR 30 Piena Carr	12.12	38.49	39.34	0.85	40.96	41.11	1.62	1.77	4.28	1.52	0.07
Carraia	44	Tr 200Piena Carr	23.52	38.48	39.77	1.29	40.48	41.11	0.71	1.34	5.36	1.55	4.71
Carraia	44	TR 30 Piena Carr	12.12	38.48	39.32	0.84	40.48	41.11	1.16	1.79	4.31	1.53	4.71
Carraia	43	Tr 200Piena Carr	23.52	38.39	39.66	1.27	40.39	41.55	0.73	1.89	5.36	1.56	24.50
Carraia	43	TR 30 Piena Carr	12.12	38.39	39.22	0.83	40.39	41.55	1.17	2.33	4.31	1.54	24.50
Carraia	42	Tr 200Piena Carr	23.52	37.90	40.21	2.31	40.14	41.26	-0.07	1.05	2.54	0.56	14.80
Carraia	42	TR 30 Piena Carr	12.12	37.90	38.89	0.99	40.14	41.26	1.25	2.37	3.86	1.27	14.80
Carraia	41	Tr 200Piena Carr	23.52	37.60	40.26	2.66	39.99	41.10	-0.27	0.84	2.02	0.41	5.10
Carraia	41	TR 30 Piena Carr	12.12	37.60	38.50	0.90	39.99	41.10	1.49	2.60	4.27	1.47	5.10
Carraia	40	Tr 200Piena Carr	23.52	37.50	40.19	2.69	39.94	41.17	-0.25	0.98	2.21	0.45	8.50
Carraia	40	TR 30 Piena Carr	12.12	37.50	39.01	1.51	39.94	41.17	0.93	2.16	2.37	0.64	8.50
Carraia	39	Tr 200Piena Carr	23.52	37.33	40.15	2.82	39.92	39.92	-0.23	-0.23	2.28	0.46	10.19
Carraia	39	TR 30 Piena Carr	12.12	37.33	39.00	1.67	39.92	39.92	0.92	0.92	2.21	0.57	10.19
Carraia	38.5	Tr 200Piena Carr	23.52	37.13	40.14	3.01	39.48	39.46	-0.66	-0.68	2.20	0.40	8.91
Carraia	38.5	TR 30 Piena Carr	12.12	37.13	38.71	1.58	39.48	39.46	0.77	0.75	3.07	0.78	8.91
Carraia	38	Tr 200Piena Carr	23.52	37.10	40.10	3.00	39.48	39.46	-0.62	-0.64	2.37	0.44	0.50
Carraia	38	TR 30 Piena Carr	12.12	37.10	38.67	1.57	39.48	39.46	0.81	0.79	3.09	0.79	0.50
Carraia	37.5		Bridge										
Carraia	37	Tr 200Piena Carr	23.52	37.06	39.14	2.08	39.34	39.32	0.20	0.18	4.52	1.00	2.20
Carraia	37	TR 30 Piena Carr	12.12	37.06	38.40	1.34	39.34	39.32	0.94	0.92	3.62	1.00	2.20
Carraia	36	Tr 200Piena Carr	23.52	37.05	38.66	1.61	39.23	40.91	0.57	2.26	5.35	1.36	5.00
Carraia	36	TR 30 Piena Carr	12.12	37.05	38.11	1.06	39.23	40.91	1.12	2.81	4.23	1.33	5.00
Carraia	35	Tr 200Piena Carr	23.52	37.04	38.46	1.42	39.18	42.49	0.72	4.03	5.47	1.48	4.00
Carraia	35	TR 30 Piena Carr	12.12	37.04	37.99	0.95	39.18	42.49	1.19	4.50	4.26	1.42	4.00
Carraia	34	Tr 200Piena Carr	23.52	37.02	38.56	1.54	39.10	40.00	0.54	1.44	4.95	1.29	7.90
Carraia	34	TR 30 Piena Carr	12.12	37.02	38.12	1.10	39.10	40.00	0.98	1.88	3.62	1.12	7.90
Carraia	33.1	Tr 200Piena Carr	23.52	37.00	38.42	1.42	38.93	40.59	0.51	2.16	5.02	1.35	0.10
Carraia	33.1	TR 30 Piena Carr	12.12	37.00	37.97	0.97	38.93	40.59	0.96	2.61	3.79	1.23	0.10
Carraia	33	Tr 200Piena Carr	23.52	36.40	37.66	1.26	38.93	40.59	1.27	2.93	6.23	1.77	0.50
Carraia	33	TR 30 Piena Carr	12.12	36.40	37.15	0.75	38.93	40.59	1.78	3.43	5.38	1.98	0.50
Carraia	32.5		Bridge										
Carraia	32.2	Tr 200Piena Carr	23.52	36.39	37.67	1.28	38.93	40.59	1.26	2.91	6.11	1.72	15.20
Carraia	32.2	TR 30 Piena Carr	12.12	36.39	37.16	0.77	38.93	40.59	1.77	3.43	5.25	1.91	15.20
Carraia	32	Tr 200Piena Carr	23.52	36.33	37.81	1.48	38.64	39.23	0.83	1.42	5.10	1.37	16.30
Carraia	32	TR 30 Piena Carr	12.12	36.33	37.79	1.46	38.64	39.23	0.85	1.44	2.65	0.71	16.30
Carraia	31	Tr 200Piena Carr	23.52	36.27	38.39	2.12	38.49	40.04	0.10	1.65	3.41	0.78	18.20
Carraia	31	TR 30 Piena Carr	12.12	36.27	37.69	1.42	38.49	40.04	0.80	2.35	2.70	0.74	18.20
Carraia	30	Tr 200Piena Carr	23.52	36.20	38.23	2.03	38.42	38.47	0.19	0.24	3.47	0.82	5.00
Carraia	30	TR 30 Piena Carr	12.12	36.20	37.54	1.34	38.42	38.47	0.88	0.93	2.81	0.80	5.00
Carraia	29.7	Tr 200Piena Carr	23.52	36.18	37.96	1.78	38.34	38.39	0.38	0.43	4.00	1.00	0.50
Carraia	29.7	TR 30 Piena Carr	12.12	36.18	37.34	1.16	38.34	38.39	1.00	1.05	3.27	1.00	0.50
Carraia	29.6	Tr 200Piena Carr	23.52	35.64	36.88	1.24	38.34	38.39	1.46	1.51	5.93	1.76	18.40
Carraia	29.6	TR 30 Piena Carr	12.12	35.64	36.38	0.74	38.34	38.39	1.96	2.01	5.26	1.99	18.40
Carraia	29	Tr 200Piena Carr	23.52	34.97	37.73	2.76	38.26	38.31	0.53	0.58	2.84	0.55	0.50
Carraia	29	TR 30 Piena Carr	12.12	34.97	37.21	2.24	38.26	38.31	1.05	1.10	1.81	0.39	0.50
Carraia	28.5		Bridge										

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Max Chl Dpth (m)	LOB Elev (m)	ROB Elev (m)	L. Freeboard (m)	R. Freeboard (m)	Vel Chnl (m/s)	Froude # Chl	Length Chnl (m)
Carraia	28	Tr 200Piena Carr	23.52	34.85	37.64	2.79	38.18	38.29	0.54	0.65	2.81	0.54	0.94
Carraia	28	TR 30 Piena Carr	12.12	34.85	37.20	2.35	38.18	38.29	0.98	1.09	1.72	0.36	0.94
Carraia	27	Tr 200Piena Carr	23.52	34.62	37.60	2.98	38.12	38.12	0.52	0.52	2.77	0.58	15.40
Carraia	27	TR 30 Piena Carr	12.12	34.62	37.17	2.55	38.12	38.12	0.95	0.95	1.74	0.39	15.40
Carraia	26	Tr 200Piena Carr	23.52	34.31	37.61	3.30	37.54	37.72	-0.07	0.10	2.41	0.48	13.10
Carraia	26	TR 30 Piena Carr	12.12	34.31	37.18	2.87	37.54	37.72	0.36	0.54	1.50	0.32	13.10
Carraia	25	Tr 200Piena Carr	23.52	34.05	37.62	3.57	37.69	37.63	0.07	0.02	2.18	0.44	6.50
Carraia	25	TR 30 Piena Carr	12.12	34.05	37.18	3.13	37.69	37.63	0.51	0.45	1.34	0.28	6.50
Carraia	24	Tr 200Piena Carr	23.52	33.92	37.62	3.70	37.67	37.50	0.05	-0.12	2.06	0.42	4.10
Carraia	24	TR 30 Piena Carr	12.12	33.92	37.18	3.26	37.67	37.50	0.49	0.32	1.27	0.26	4.10
Carraia	23	Tr 200Piena Carr	23.52	33.84	37.62	3.78	37.74	37.84	0.13	0.22	2.02	0.39	7.90
Carraia	23	TR 30 Piena Carr	12.12	33.84	37.18	3.34	37.74	37.84	0.56	0.65	1.23	0.25	7.90
Carraia	22	Tr 200Piena Carr	23.52	33.68	37.69	4.01	37.18	37.18	-0.51	-0.51	1.52	0.27	0.05
Carraia	22	TR 30 Piena Carr	12.12	33.68	37.19	3.51	37.18	37.18	-0.01	-0.01	1.07	0.21	0.05
Carraia	21.5		Bridge										
Carraia	21	Tr 200Piena Carr	23.52	33.64	37.07	3.43	37.25	37.25	0.18	0.18	1.96	0.36	5.90
Carraia	21	TR 30 Piena Carr	12.12	33.64	36.98	3.34	37.25	37.25	0.27	0.27	1.04	0.19	5.90
Carraia	20	Tr 200Piena Carr	23.52	33.52	37.08	3.56	37.25	37.25	0.17	0.17	1.84	0.34	20.10
Carraia	20	TR 30 Piena Carr	12.12	33.52	36.99	3.47	37.25	37.25	0.26	0.26	0.98	0.18	20.10
Carraia	19	Tr 200Piena Carr	23.52	30.53	37.17	6.64	37.25	37.25	0.08	0.08	0.79	0.11	1.80
Carraia	19	TR 30 Piena Carr	12.12	30.53	37.01	6.48	37.25	37.25	0.24	0.24	0.42	0.06	1.80
Carraia	18	Tr 200Piena Carr	23.52	30.27	37.17	6.90	37.25	37.25	0.08	0.08	0.82	0.11	18.30
Carraia	18	TR 30 Piena Carr	12.12	30.27	37.01	6.74	37.25	37.25	0.24	0.24	0.44	0.06	18.30
Carraia	16.5		Culvert										
Carraia	16	Tr 200Piena Carr	23.52	30.27	36.67	6.40	36.44	36.48	-0.23	-0.19	0.60	0.09	3.50
Carraia	16	TR 30 Piena Carr	12.12	30.27	36.88	6.61	36.44	36.48	-0.44	-0.40	0.29	0.04	3.50
Carraia	15	Tr 200Piena Carr	23.52	30.27	36.67	6.40	36.96	36.39	0.29	-0.28	0.56	0.10	3.30
Carraia	15	TR 30 Piena Carr	12.12	30.27	36.88	6.61	36.96	36.39	0.08	-0.49	0.27	0.05	3.30
Carraia	14	Tr 200Piena Carr	23.52	30.27	36.67	6.40	37.00	36.51	0.33	-0.16	0.56	0.10	2.70
Carraia	14	TR 30 Piena Carr	12.12	30.27	36.88	6.61	37.00	36.51	0.12	-0.37	0.27	0.05	2.70
Carraia	13	Tr 200Piena Carr	23.52	30.27	36.67	6.40	36.99	36.44	0.32	-0.23	0.55	0.10	0.01
Carraia	13	TR 30 Piena Carr	12.12	30.27	36.88	6.61	36.99	36.44	0.11	-0.44	0.27	0.05	0.01
Carraia	12.9	Tr 200Piena Carr	23.52	32.77	36.58	3.81	36.99	36.44	0.40	-0.14	1.42	0.28	10.60
Carraia	12.9	TR 30 Piena Carr	12.12	32.77	36.86	4.09	36.99	36.44	0.12	-0.42	0.63	0.12	10.60
Carraia	12	Tr 200Piena Carr	23.52	32.72	36.57	3.85	36.84	36.23	0.27	-0.34	1.42	0.28	5.40
Carraia	12	TR 30 Piena Carr	12.12	32.72	36.86	4.14	36.84	36.23	-0.02	-0.63	0.63	0.12	5.40
Carraia	11	Tr 200Piena Carr	23.52	32.69	36.57	3.88	36.59	36.12	0.02	-0.45	1.38	0.27	2.30
Carraia	11	TR 30 Piena Carr	12.12	32.69	36.86	4.17	36.59	36.12	-0.27	-0.74	0.63	0.12	2.30
Carraia	10	Tr 200Piena Carr	23.52	32.67	36.37	3.70	36.39	36.32	0.02	-0.05	2.32	0.43	0.50
Carraia	10	TR 30 Piena Carr	12.12	32.67	36.83	4.16	36.39	36.32	-0.44	-0.51	0.98	0.17	0.50
Carraia	9.5		Bridge										
Carraia	9	Tr 200Piena Carr	23.52	32.65	35.89	3.24	36.28	36.25	0.39	0.36	2.74	0.54	1.70
Carraia	9	TR 30 Piena Carr	12.12	32.65	36.79	4.14	36.28	36.25	-0.51	-0.54	0.98	0.17	1.70
Carraia	8	Tr 200Piena Carr	23.52	32.65	35.89	3.24	35.77	36.24	-0.12	0.35	2.74	0.54	13.40
Carraia	8	TR 30 Piena Carr	12.12	32.65	36.79	4.14	35.77	36.24	-1.02	-0.55	0.99	0.17	13.40
Carraia	7	Tr 200Piena Carr	23.52	32.57	36.01	3.44	35.59	36.00	-0.42	-0.01	1.81	0.37	0.50
Carraia	7	TR 30 Piena Carr	12.12	32.57	36.80	4.23	35.59	36.00	-1.21	-0.80	0.67	0.12	0.50
Carraia	6	Tr 200Piena Carr	23.52	32.57	36.00	3.43	35.59	36.00	-0.41	0.00	1.83	0.37	0.10
Carraia	6	TR 30 Piena Carr	12.12	32.57	36.80	4.23	35.59	36.00	-1.21	-0.80	0.67	0.12	0.10
Carraia	5.5		Bridge										
Carraia	5	Tr 200Piena Carr	23.52	32.56	35.44	2.88	35.60	36.12	0.16	0.68	2.37	0.53	8.80
Carraia	5	TR 30 Piena Carr	12.12	32.56	36.80	4.24	35.60	36.12	-1.20	-0.68	0.66	0.12	8.80
Carraia	4	Tr 200Piena Carr	23.52	32.51	35.42	2.91	35.42	36.22	0.00	0.80	2.34	0.52	19.30
Carraia	4	TR 30 Piena Carr	12.12	32.51	36.80	4.29	35.42	36.22	-1.38	-0.58	0.57	0.10	19.30
Carraia	3	Tr 200Piena Carr	23.52	32.41	35.38	2.97	35.47	36.32	0.09	0.94	2.27	0.50	18.50
Carraia	3	TR 30 Piena Carr	12.12	32.41	36.80	4.39	35.47	36.32	-1.33	-0.48	0.50	0.09	18.50
Carraia	2	Tr 200Piena Carr	23.52	32.32	35.34	3.02	35.46	35.75	0.12	0.41	2.22	0.49	9.30
Carraia	2	TR 30 Piena Carr	12.12	32.32	36.80	4.48	35.46	35.75	-1.34	-1.05	0.51	0.09	9.30
Carraia	1	Tr 200Piena Carr	23.52	32.27	35.32	3.05	35.27	35.30	-0.05	-0.02	2.18	0.48	
Carraia	1	TR 30 Piena Carr	12.12	32.27	36.80	4.53	35.27	35.30	-1.53	-1.50	0.47	0.08	

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Max Chl Dpth (m)	LOB Elev (m)	ROB Elev (m)	L. Freeboard (m)	R. Freeboard (m)	Vel Chnl (m/s)	Froude # Chl	Length Chnl (m)
MALTEMPO	33	Tr=200 anni	15.00	58.05	59.09	1.04	61.29	60.71	2.20	1.62	3.66	1.43	19.24
MALTEMPO	33	Tr=30 anni	7.00	58.05	58.78	0.73	61.29	60.71	2.51	1.93	2.94	1.36	19.24
MALTEMPO	32	Tr=200 anni	15.00	56.74	57.41	0.67	58.24	58.74	0.83	1.33	5.41	2.37	22.14
MALTEMPO	32	Tr=30 anni	7.00	56.74	57.15	0.41	58.24	58.74	1.09	1.59	4.60	2.49	22.14
MALTEMPO	31	Tr=200 anni	15.00	55.91	57.66	1.75	60.22	59.61	2.56	1.95	1.23	0.34	26.47
MALTEMPO	31	Tr=30 anni	7.00	55.91	56.95	1.04	60.22	59.61	3.27	2.66	1.12	0.39	26.47
MALTEMPO	30	Tr=200 anni	15.00	55.71	57.67	1.96	59.63	58.20	1.96	0.53	0.85	0.29	3.75
MALTEMPO	30	Tr=30 anni	7.00	55.71	56.92	1.21	59.63	58.20	2.71	1.28	1.08	0.37	3.75
MALTEMPO	29.7	Tr=200 anni	15.00	55.33	57.01	1.68	57.33	57.33	0.32	0.32	3.42	1.01	1.00
MALTEMPO	29.7	Tr=30 anni	7.00	55.33	56.43	1.10	57.33	57.33	0.90	0.90	2.86	1.01	1.00
MALTEMPO	29.6	Tr=200 anni	15.00	55.31	56.91	1.60	57.31	57.31	0.40	0.40	3.65	1.09	0.10
MALTEMPO	29.6	Tr=30 anni	7.00	55.31	56.34	1.03	57.31	57.31	0.97	0.97	3.11	1.12	0.10
MALTEMPO	29.5	Tr=200 anni	15.00	54.51	55.46	0.95	57.31	57.31	1.85	1.85	6.25	2.43	3.00
MALTEMPO	29.5	Tr=30 anni	7.00	54.51	55.09	0.58	57.31	57.31	2.22	2.22	5.64	2.68	3.00
MALTEMPO	28.5	Tr=200 anni	15.00	54.38	56.78	2.40	56.38	56.38	-0.40	-0.40	1.25	0.32	3.25
MALTEMPO	28.5	Tr=30 anni	7.00	54.38	54.92	0.54	56.38	56.38	1.46	1.46	5.62	2.84	3.25
MALTEMPO	27.2	Tr=200 anni	15.00	54.11	56.67	2.56	56.11	56.11	-0.56	-0.56	1.88	0.43	1.00
MALTEMPO	27.2	Tr=30 anni	7.00	54.11	54.81	0.70	56.11	56.11	1.30	1.30	5.06	2.15	1.00
MALTEMPO	27	Tr=200 anni	15.00	54.09	56.67	2.58	56.09	56.09	-0.58	-0.58	1.86	0.43	0.10
MALTEMPO	27	Tr=30 anni	7.00	54.09	54.79	0.70	56.09	56.09	1.30	1.30	5.06	2.15	0.10
MALTEMPO	26.4	Tr=200 anni	15.00	53.29	56.77	3.48	56.09	56.09	-0.68	-0.68	0.85	0.18	2.50
MALTEMPO	26.4	Tr=30 anni	7.00	53.29	53.81	0.52	56.09	56.09	2.28	2.28	6.56	3.28	2.50
MALTEMPO	26.24	Tr=200 anni	15.00	52.97	56.78	3.81	55.97	55.97	-0.81	-0.81	0.57	0.11	0.10
MALTEMPO	26.24	Tr=30 anni	7.00	52.97	53.44	0.47	55.97	55.97	2.53	2.53	6.74	3.60	0.10
MALTEMPO	26.22	Tr=200 anni	15.00	52.97	56.78	3.81	55.97	55.97	-0.81	-0.81	0.57	0.11	3.38
MALTEMPO	26.22	Tr=30 anni	7.00	52.97	53.44	0.47	55.97	55.97	2.53	2.53	6.73	3.60	3.38
MALTEMPO	26	Tr=200 anni	15.00	52.19	55.81	3.62	53.69	53.69	-2.12	-2.12	4.19	0.70	98.54
MALTEMPO	26	Tr=30 anni	7.00	52.19	52.72	0.53	53.69	53.69	0.97	0.97	6.61	2.90	98.54
MALTEMPO	25.1	Tr=200 anni	15.00	50.64	51.70	1.06	52.14	52.14	0.44	0.44	7.07	2.19	5.00
MALTEMPO	25.1	Tr=30 anni	7.00	50.64	51.53	0.89	52.14	52.14	0.61	0.61	3.93	1.33	5.00
MALTEMPO	25.01	Tr=200 anni	15.00	50.63	51.38	0.75	52.13	52.13	0.75	0.75	7.26	2.68	0.01
MALTEMPO	25.01	Tr=30 anni	7.00	50.63	51.20	0.57	52.13	52.13	0.93	0.93	4.48	1.90	0.01
MALTEMPO	25	Tr=200 anni	15.00	50.63	51.38	0.75	51.63	51.63	0.25	0.25	7.26	2.68	177.00
MALTEMPO	25	Tr=30 anni	7.00	50.63	51.20	0.57	51.63	51.63	0.43	0.43	4.48	1.90	177.00
MALTEMPO	24.1	Tr=200 anni	15.00	46.91	47.97	1.06	47.91	47.91	-0.06	-0.06	5.13	1.59	21.38
MALTEMPO	24.1	Tr=30 anni	7.00	46.91	47.46	0.55	47.91	47.91	0.45	0.45	4.61	1.98	21.38
MALTEMPO	24.05	Tr=200 anni	15.00	46.15	47.08	0.93	47.15	47.15	0.07	0.07	5.85	1.94	0.10
MALTEMPO	24.05	Tr=30 anni	7.00	46.15	46.66	0.51	47.15	47.15	0.49	0.49	5.01	2.24	0.10
MALTEMPO	24	Tr=200 anni	15.00	46.15	47.08	0.93	48.35	48.35	1.27	1.27	5.85	1.94	5.85
MALTEMPO	24	Tr=30 anni	7.00	46.15	46.66	0.51	48.35	48.35	1.69	1.69	5.00	2.24	5.85
MALTEMPO	23.9	Tr=200 anni	15.00	45.93	46.84	0.91	48.23	48.23	1.39	1.39	5.93	1.99	6.00
MALTEMPO	23.9	Tr=30 anni	7.00	45.93	46.44	0.51	48.23	48.23	1.79	1.79	4.92	2.19	6.00
MALTEMPO	23.8	Tr=200 anni	15.00	45.72	46.75	1.03	48.02	48.02	1.27	1.27	5.58	1.86	5.35
MALTEMPO	23.8	Tr=30 anni	7.00	45.72	46.37	0.65	48.02	48.02	1.65	1.65	4.34	1.79	5.35
MALTEMPO	23.7	Tr=200 anni	15.00	45.53	46.56	1.03	47.83	47.83	1.27	1.27	5.61	1.87	8.41
MALTEMPO	23.7	Tr=30 anni	7.00	45.53	46.17	0.64	47.83	47.83	1.66	1.66	4.36	1.80	8.41
MALTEMPO	23.6	Tr=200 anni	18.00	45.23	46.55	1.32	47.53	47.53	0.98	0.98	5.05	1.50	8.40
MALTEMPO	23.6	Tr=30 anni	9.72	45.23	46.38	1.15	47.53	47.53	1.15	1.15	3.18	1.01	8.40
MALTEMPO	23.5	Tr=200 anni	18.00	44.94	46.20	1.26	47.24	47.24	1.04	1.04	5.32	1.62	3.86
MALTEMPO	23.5	Tr=30 anni	9.72	44.94	45.85	0.91	47.24	47.24	1.39	1.39	4.18	1.47	3.86
MALTEMPO	23.4	Tr=200 anni	18.00	44.81	46.05	1.24	47.11	47.11	1.06	1.06	5.41	1.65	0.50
MALTEMPO	23.4	Tr=30 anni	9.72	44.81	45.69	0.88	47.11	47.11	1.42	1.42	4.33	1.55	0.50
MALTEMPO	23.39	Tr=200 anni	18.00	43.41	44.44	1.03	47.11	47.11	2.67	2.67	7.60	2.39	4.50
MALTEMPO	23.39	Tr=30 anni	9.72	43.41	44.02	0.61	47.11	47.11	3.09	3.09	6.94	2.84	4.50
MALTEMPO	23.3	Tr=200 anni	18.00	43.39	44.09	0.70	45.49	45.49	1.40	1.40	7.80	2.98	6.74
MALTEMPO	23.3	Tr=30 anni	9.72	43.39	43.82	0.43	45.49	45.49	1.67	1.67	6.88	3.36	6.74
MALTEMPO	23.2	Tr=200 anni	18.00	43.34	44.09	0.75	45.44	45.44	1.35	1.35	7.31	2.70	24.96
MALTEMPO	23.2	Tr=30 anni	9.72	43.34	43.82	0.47	45.44	45.44	1.62	1.62	6.20	2.87	24.96
MALTEMPO	23	Tr=200 anni	18.00	43.19	44.12	0.93	45.29	45.29	1.17	1.17	5.84	1.93	16.39
MALTEMPO	23	Tr=30 anni	9.72	43.19	43.85	0.66	45.29	45.29	1.44	1.44	4.49	1.77	16.39
MALTEMPO	22.8	Tr=200 anni	18.00	43.09	44.16	1.07	45.19	45.19	1.03	1.03	5.09	1.57	34.48
MALTEMPO	22.8	Tr=30 anni	9.72	43.09	43.88	0.79	45.19	45.19	1.31	1.31	3.71	1.33	34.48
MALTEMPO	22.6	Tr=200 anni	18.00	42.88	44.33	1.45	44.98	44.98	0.65	0.65	3.76	1.00	30.48
MALTEMPO	22.6	Tr=30 anni	9.72	42.88	43.81	0.93	44.98	44.98	1.17	1.17	3.17	1.05	30.48
MALTEMPO	22.4	Tr=200 anni	18.00	42.70	44.11	1.41	44.80	44.80	0.69	0.69	3.86	1.04	19.51
MALTEMPO	22.4	Tr=30 anni	9.72	42.70	43.62	0.92	44.80	44.80	1.18	1.18	3.22	1.07	19.51

HEC-RAS Plan: Serchio piena River: MALTEMPO Reach: MALTEMPO (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Max Chl Dpth (m)	LOB Elev (m)	ROB Elev (m)	L. Freeboard (m)	R. Freeboard (m)	Vel Chnl (m/s)	Froude # Chl	Length Chnl (m)
MALTEMPO	22	Tr=200 anni	18.00	42.58	44.06	1.48	44.68	44.68	0.62	0.62	3.70	0.97	10.74
MALTEMPO	22	Tr=30 anni	9.72	42.58	43.54	0.96	44.68	44.68	1.14	1.14	3.08	1.01	10.74
MALTEMPO	21	Tr=200 anni	18.00	42.51	44.03	1.52	44.61	44.61	0.58	0.58	3.60	0.93	12.58
MALTEMPO	21	Tr=30 anni	9.72	42.51	43.42	0.91	44.61	44.61	1.19	1.19	3.25	1.09	12.58
MALTEMPO	20	Tr=200 anni	18.00	42.44	43.89	1.45	44.54	44.54	0.65	0.65	3.76	1.00	14.81
MALTEMPO	20	Tr=30 anni	9.72	42.44	43.34	0.90	44.54	44.54	1.20	1.20	3.28	1.10	14.81
MALTEMPO	19.2	Tr=200 anni	18.00	42.35	43.76	1.41	44.45	44.45	0.69	0.69	3.86	1.04	9.96
MALTEMPO	19.2	Tr=30 anni	9.72	42.35	43.39	1.04	44.45	44.45	1.06	1.06	2.82	0.88	9.96
MALTEMPO	19.1	Tr=200 anni	18.00	42.29	43.58	1.29	44.59	44.59	1.01	1.01	4.13	1.23	5.08
MALTEMPO	19.1	Tr=30 anni	9.72	42.29	43.39	1.10	44.59	44.59	1.20	1.20	2.65	0.85	5.08
MALTEMPO	19	Tr=200 anni	18.00	42.26	43.58	1.32	44.56	44.56	0.98	0.98	4.00	1.17	36.65
MALTEMPO	19	Tr=30 anni	9.72	42.26	43.38	1.12	44.56	44.56	1.18	1.18	2.61	0.83	36.65
MALTEMPO	14.5	Tr=200 anni	18.00	42.01	43.57	1.56	44.31	44.31	0.74	0.74	3.32	0.90	10.00
MALTEMPO	14.5	Tr=30 anni	9.72	42.01	43.02	1.01	44.31	44.31	1.29	1.29	2.90	0.96	10.00
MALTEMPO	14	Tr=200 anni	18.00	41.95	43.74	1.79	44.25	44.25	0.51	0.51	2.21	0.56	15.59
MALTEMPO	14	Tr=30 anni	9.72	41.95	43.14	1.19	44.25	44.25	1.11	1.11	1.87	0.57	15.59

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Max Chl Dpth (m)	LOB Elev (m)	ROB Elev (m)	L. Freeboard (m)	R. Freeboard (m)	Vel Chnl (m/s)	Froude # Chl	Length Chnl (m)
1	200	Tr 200 con tras	24.38	65.17	67.11	1.94	66.05	67.08	-1.06	-0.02	3.25	1.00	0.10
1	200	Tr 30 con tras s	14.09	65.17	66.60	1.43	66.05	67.08	-0.55	0.48	3.03	1.00	0.10
1	199	Tr 200 con tras	24.38	61.50	63.05	1.55	66.05	67.08	3.00	4.03	9.11	2.56	28.10
1	199	Tr 30 con tras s	14.09	61.50	62.47	0.97	66.05	67.08	3.58	4.61	9.10	3.15	28.10
1	195	Tr 200 con tras	24.38	60.71	61.80	1.09	67.16	63.61	5.36	1.81	6.58	2.32	33.16
1	195	Tr 30 con tras s	14.09	60.71	61.53	0.82	67.16	63.61	5.63	2.08	5.44	2.16	33.16
1	190	Tr 200 con tras	24.38	59.68	60.53	0.85	60.07	64.15	-0.46	3.62	5.23	2.03	16.00
1	190	Tr 30 con tras s	14.09	59.68	60.35	0.67	60.07	64.15	-0.28	3.80	4.14	1.85	16.00
1	185	Tr 200 con tras	24.38	58.86	60.49	1.63	64.15	59.82	3.66	-0.67	3.94	1.23	50.18
1	185	Tr 30 con tras s	14.09	58.86	60.20	1.34	64.15	59.82	3.95	-0.38	3.15	1.14	50.18
1	180	Tr 200 con tras	24.38	56.46	57.35	0.89	60.49	59.57	3.14	2.22	6.32	2.75	19.13
1	180	Tr 30 con tras s	14.09	56.46	57.13	0.67	60.49	59.57	3.36	2.44	5.84	2.91	19.13
1	175	Tr 200 con tras	24.38	55.94	57.35	1.41	60.21	59.14	2.86	1.79	4.18	1.48	48.78
1	175	Tr 30 con tras s	14.09	55.94	57.05	1.11	60.21	59.14	3.16	2.09	3.63	1.40	48.78
1	170	Tr 200 con tras	24.38	54.66	57.37	2.71	57.91	56.74	0.54	-0.63	1.39	0.28	40.88
1	170	Tr 30 con tras s	14.09	54.66	56.34	1.68	57.91	56.74	1.57	0.40	1.49	0.40	40.88
1	165	Tr 200 con tras	24.38	53.50	57.39	3.89	54.35	55.95	-3.04	-1.44	0.84	0.16	5.20
1	165	Tr 30 con tras s	14.09	53.50	56.37	2.87	54.35	55.95	-2.02	-0.42	0.78	0.20	5.20
1	164	Tr 200 con tras	24.38	53.15	57.18	4.03	54.22	54.50	-2.96	-2.68	2.09	0.35	1.00
1	164	Tr 30 con tras s	14.09	53.15	56.26	3.11	54.22	54.50	-2.04	-1.76	1.60	0.30	1.00
1	163	Tr 200 con tras	24.38	53.13	57.18	4.05	54.10	54.39	-3.08	-2.79	2.07	0.34	11.50
1	163	Tr 30 con tras s	14.09	53.13	56.26	3.13	54.10	54.39	-2.16	-1.87	1.58	0.30	11.50
1	162.5		Culvert										
1	162	Tr 200 con tras	24.38	52.02	54.42	2.40	53.70	53.73	-0.72	-0.69	4.46	1.00	2.10
1	162	Tr 30 con tras s	14.09	52.02	53.80	1.78	53.70	53.73	-0.10	-0.07	3.72	1.00	2.10
1	161	Tr 200 con tras	24.38	51.92	54.14	2.22	53.59	53.63	-0.55	-0.51	4.90	1.15	9.90
1	161	Tr 30 con tras s	14.09	51.92	53.53	1.61	53.59	53.63	0.06	0.10	4.21	1.20	9.90
1	160.9	Tr 200 con tras	24.38	51.38	54.74	3.36	52.53	53.21	-2.21	-1.53	1.80	0.37	2.30
1	160.9	Tr 30 con tras s	14.09	51.38	53.92	2.54	52.53	53.21	-1.39	-0.71	1.57	0.40	2.30
1	160.8	Tr 200 con tras	24.38	51.26	54.71	3.45	52.39	53.07	-2.32	-1.64	1.92	0.35	0.20
1	160.8	Tr 30 con tras s	14.09	51.26	53.92	2.66	52.39	53.07	-1.53	-0.85	1.49	0.31	0.20
1	160.7		Bridge										
1	160.6	Tr 200 con tras	24.38	50.80	53.19	2.39	51.95	52.63	-1.24	-0.56	2.94	0.66	2.60
1	160.6	Tr 30 con tras s	14.09	50.80	52.83	2.03	51.95	52.63	-0.88	-0.20	2.05	0.51	2.60
1	160.5	Tr 200 con tras	24.38	50.78	52.98	2.20	51.93	52.61	-1.05	-0.37	3.44	0.98	7.22
1	160.5	Tr 30 con tras s	14.09	50.78	52.58	1.80	51.93	52.61	-0.65	0.03	2.90	0.98	7.22
1	160	Tr 200 con tras	24.38	50.68	52.86	2.18	51.83	52.51	-1.03	-0.35	3.50	1.00	45.50
1	160	Tr 30 con tras s	14.09	50.68	52.46	1.78	51.83	52.51	-0.63	0.05	2.96	1.01	45.50
1	155	Tr 200 con tras	24.38	49.59	51.41	1.82	51.12	52.72	-0.29	1.31	4.79	1.48	57.97
1	155	Tr 30 con tras s	14.09	49.59	50.98	1.39	51.12	52.72	0.14	1.74	4.38	1.54	57.97
1	150	Tr 200 con tras	24.38	48.68	50.24	1.56	49.76	50.99	-0.48	0.75	4.17	1.36	39.58
1	150	Tr 30 con tras s	14.09	48.68	49.96	1.28	49.76	50.99	-0.20	1.03	3.35	1.22	39.58
1	145	Tr 200 con tras	24.38	47.63	50.06	2.43	48.61	58.18	-1.45	8.12	2.61	0.62	59.52
1	145	Tr 30 con tras s	14.09	47.63	49.02	1.39	48.61	58.18	-0.41	9.16	3.63	1.35	59.52
1	140	Tr 200 con tras	24.38	46.57	48.84	2.27	47.64	47.60	-1.20	-1.24	4.25	0.99	83.49
1	140	Tr 30 con tras s	14.09	46.57	48.26	1.69	47.64	47.60	-0.62	-0.66	3.55	1.00	83.49
1	135	Tr 200 con tras	24.38	45.08	48.57	3.49	45.94	46.13	-2.63	-2.44	2.44	0.44	54.57
1	135	Tr 30 con tras s	14.09	45.08	47.27	2.19	45.94	46.13	-1.33	-1.14	2.45	0.59	54.57
1	130	Tr 200 con tras	24.38	43.95	47.80	3.85	45.30	45.39	-2.50	-2.41	3.50	0.61	40.30
1	130	Tr 30 con tras s	14.09	43.95	46.30	2.35	45.30	45.39	-1.00	-0.91	3.64	0.85	40.30
1	129	Tr 200 con tras	24.38	42.50	47.14	4.64	43.50	43.50	-3.64	-3.64	3.44	0.51	1.90
1	129	Tr 30 con tras s	14.09	42.50	45.85	3.35	43.50	43.50	-2.35	-2.35	2.77	0.49	1.90
1	128	Tr 200 con tras	24.38	42.45	47.34	4.89	43.65	43.65	-3.69	-3.69	2.40	0.35	11.90
1	128	Tr 30 con tras s	14.09	42.45	45.98	3.53	43.65	43.65	-2.33	-2.33	1.93	0.33	11.90
1	127.5		Culvert										
1	127	Tr 200 con tras	24.38	42.05	46.78	4.73	43.25	43.25	-3.53	-3.53	2.49	0.37	2.20
1	127	Tr 30 con tras s	14.09	42.05	45.04	2.99	43.25	43.25	-1.79	-1.79	2.28	0.43	2.20
1	125	Tr 200 con tras	24.38	42.01	46.82	4.81	42.87	43.62	-3.95	-3.20	2.14	0.33	64.10
1	125	Tr 30 con tras s	14.09	42.01	45.06	3.05	42.87	43.62	-2.19	-1.44	2.09	0.42	64.10
1	120	Tr 200 con tras	24.38	41.25	46.73	5.48	42.16	42.24	-4.57	-4.49	1.60	0.23	50.02
1	120	Tr 30 con tras s	14.09	41.25	44.98	3.73	42.16	42.24	-2.82	-2.74	1.40	0.24	50.02
1	115	Tr 200 con tras	24.38	40.91	44.60	3.69	41.98	41.97	-2.62	-2.63	6.08	1.01	70.42
1	115	Tr 30 con tras s	14.09	40.91	43.48	2.57	41.98	41.97	-1.50	-1.51	5.05	1.01	70.42
1	110	Tr 200 con tras	24.38	39.91	41.49	1.58	40.80	40.77	-0.69	-0.73	6.71	1.93	27.70
1	110	Tr 30 con tras s	14.09	39.91	41.24	1.33	40.80	40.77	-0.44	-0.48	4.87	1.57	27.70

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Max Chl Dpth (m)	LOB Elev (m)	ROB Elev (m)	L. Freeboard (m)	R. Freeboard (m)	Vel Chnl (m/s)	Froude # Chl	Length Chnl (m)
1	105	Tr 200 con tras	24.38	39.59	42.79	3.20	40.56	40.44	-2.23	-2.35	2.54	0.48	84.53
1	105	Tr 30 con tras s	14.09	39.59	41.63	2.04	40.56	40.44	-1.07	-1.19	2.48	0.61	84.53
1	100	Tr 200 con tras	24.38	38.58	42.06	3.48	39.60	39.43	-2.46	-2.63	3.08	0.56	102.98
1	100	Tr 30 con tras s	14.09	38.58	40.77	2.19	39.60	39.43	-1.17	-1.34	3.04	0.72	102.98
1	95	Tr 200 con tras	24.38	37.59	41.62	4.03	38.47	38.52	-3.16	-3.10	2.24	0.37	53.22
1	95	Tr 30 con tras s	14.09	37.59	40.36	2.77	38.47	38.52	-1.90	-1.84	1.97	0.40	53.22
1	90	Tr 200 con tras	24.38	37.15	41.30	4.15	37.95	38.14	-3.35	-3.16	2.51	0.41	66.75
1	90	Tr 30 con tras s	14.09	37.15	40.12	2.97	37.95	38.14	-2.17	-1.98	2.11	0.42	66.75
1	89	Tr 200 con tras	24.38	36.70	40.94	4.24	37.50	37.70	-3.44	-3.24	2.45	0.40	1.50
1	89	Tr 30 con tras s	14.09	36.70	39.86	3.16	37.50	37.70	-2.36	-2.16	1.96	0.37	1.50
1	88	Tr 200 con tras	24.38	36.68	40.95	4.27	37.48	37.68	-3.47	-3.27	2.34	0.37	0.20
1	88	Tr 30 con tras s	14.09	36.68	39.87	3.19	37.48	37.68	-2.39	-2.19	1.84	0.34	0.20
1	87.5	Bridge											
1	87	Tr 200 con tras	24.38	36.65	40.53	3.88	37.45	37.65	-3.08	-2.88	2.59	0.43	2.55
1	87	Tr 30 con tras s	14.09	36.65	39.24	2.59	37.45	37.65	-1.79	-1.59	2.29	0.47	2.55
1	86	Tr 200 con tras	24.38	36.62	40.48	3.86	37.42	37.62	-3.06	-2.86	2.72	0.46	120.75
1	86	Tr 30 con tras s	14.09	36.62	39.17	2.55	37.42	37.62	-1.75	-1.55	2.50	0.54	120.75
1	85	Tr 200 con tras	24.38	35.81	39.81	4.00	36.84	36.74	-2.97	-3.07	2.45	0.41	157.56
1	85	Tr 30 con tras s	14.09	35.81	38.53	2.72	36.84	36.74	-1.69	-1.79	2.20	0.46	157.56
1	80	Tr 200 con tras	24.38	34.26	37.05	2.79	36.97	35.69	-0.08	-1.36	4.99	1.00	29.14
1	80	Tr 30 con tras s	14.09	34.26	36.24	1.98	36.97	35.69	0.73	-0.55	4.20	1.00	29.14
1	75	Tr 200 con tras	24.38	34.59	36.86	2.27	35.67	35.74	-1.19	-1.12	2.84	0.65	96.33
1	75	Tr 30 con tras s	14.09	34.59	36.28	1.69	35.67	35.74	-0.61	-0.54	2.34	0.64	96.33
1	70	Tr 200 con tras	24.38	33.94	36.32	2.38	35.31	37.02	-1.01	0.70	2.66	0.63	39.37
1	70	Tr 30 con tras s	14.09	33.94	35.56	1.62	35.31	37.02	-0.25	1.46	2.60	0.80	39.37
1	65	Tr 200 con tras	24.38	33.38	36.07	2.68	36.55	34.56	0.49	-1.50	2.71	0.58	104.95
1	65	Tr 30 con tras s	14.09	33.38	35.32	1.94	36.55	34.56	1.23	-0.76	2.34	0.61	104.95
1	60	Tr 200 con tras	24.38	32.37	35.52	3.15	33.79	33.92	-1.73	-1.60	2.43	0.51	34.60
1	60	Tr 30 con tras s	14.09	32.37	34.75	2.38	33.79	33.92	-0.96	-0.83	2.12	0.55	34.60
1	56	Tr 200 con tras	24.38	32.12	35.36	3.24	33.52	33.66	-1.84	-1.70	2.33	0.48	3.00
1	56	Tr 30 con tras s	14.09	32.12	34.59	2.47	33.52	33.66	-1.07	-0.93	2.00	0.50	3.00
1	55	Tr 200 con tras	24.38	32.08	35.43	3.35	33.50	33.55	-1.93	-1.88	1.77	0.32	6.20
1	55	Tr 30 con tras s	14.09	32.08	34.66	2.58	33.50	33.55	-1.16	-1.11	1.37	0.28	6.20
1	54.5	Culvert											
1	54	Tr 200 con tras	24.38	32.00	34.98	2.98	33.40	33.50	-1.58	-1.48	2.02	0.39	5.00
1	54	Tr 30 con tras s	14.09	32.00	34.31	2.31	33.40	33.50	-0.91	-0.81	1.55	0.34	5.00
1	53	Tr 200 con tras	24.38	31.90	34.77	2.87	33.40	33.45	-1.37	-1.32	2.74	0.62	
1	53	Tr 30 con tras s	14.09	31.90	34.12	2.22	33.40	33.45	-0.72	-0.67	2.34	0.64	

MODELLI IDRAULICI BIDIMENSIONALI

Si riportano gli output forniti dal codice di calcolo Hec-Ras 5.0.6 relativi alle esondazioni. Si allegano:

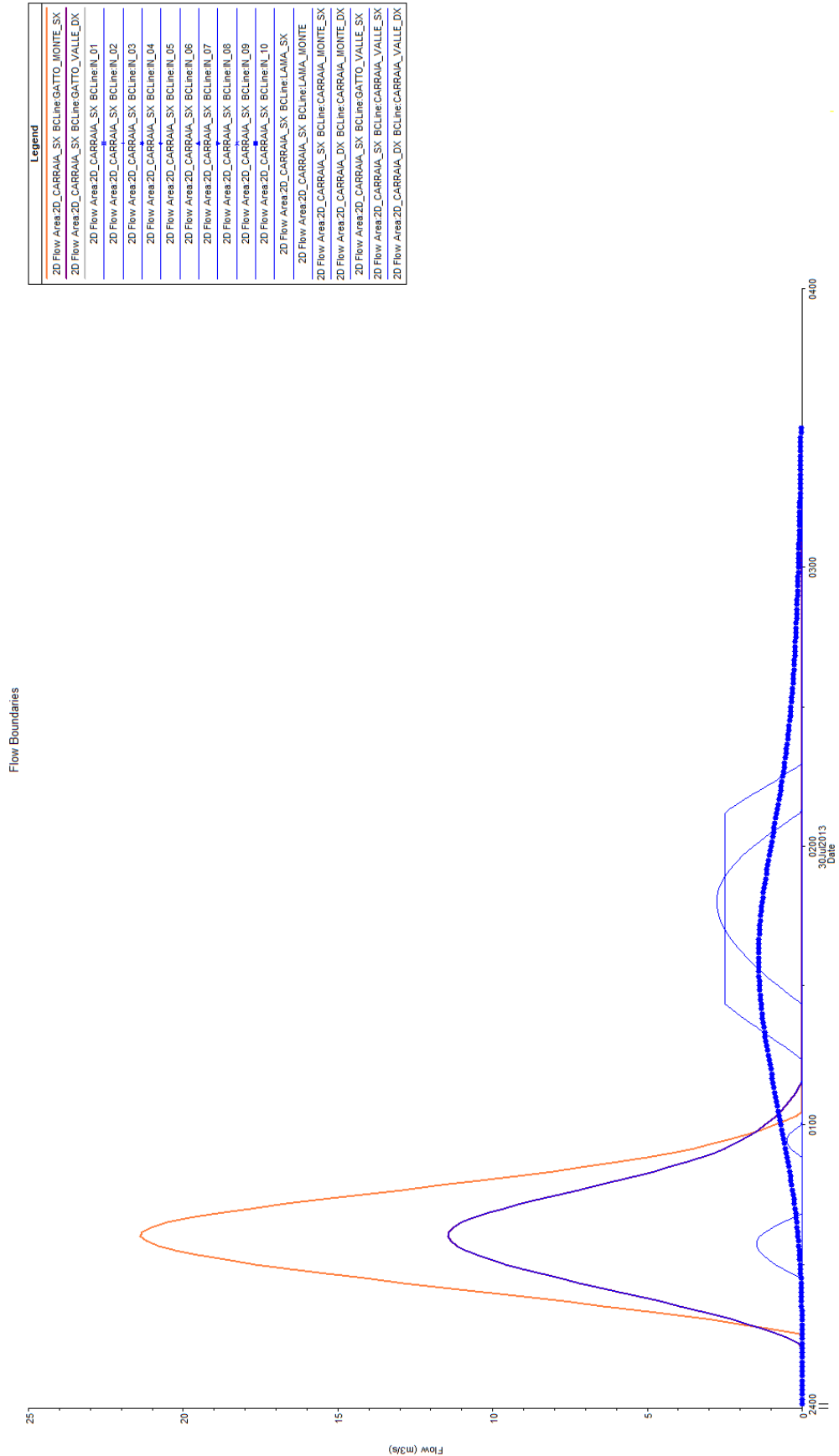
- Gli idrogrammi di ingresso nel modello;
- La planimetria dello schema di modello;
- Alcune sezioni indicative per la dinamica di esondazione;

Si fa presente che i risultati in termini di massimo battente idraulico e di massima velocità del flusso di corrente sono riportati negli appositi elaborati grafici (QG 12, QG 12a, QG 13 e QG 13a).

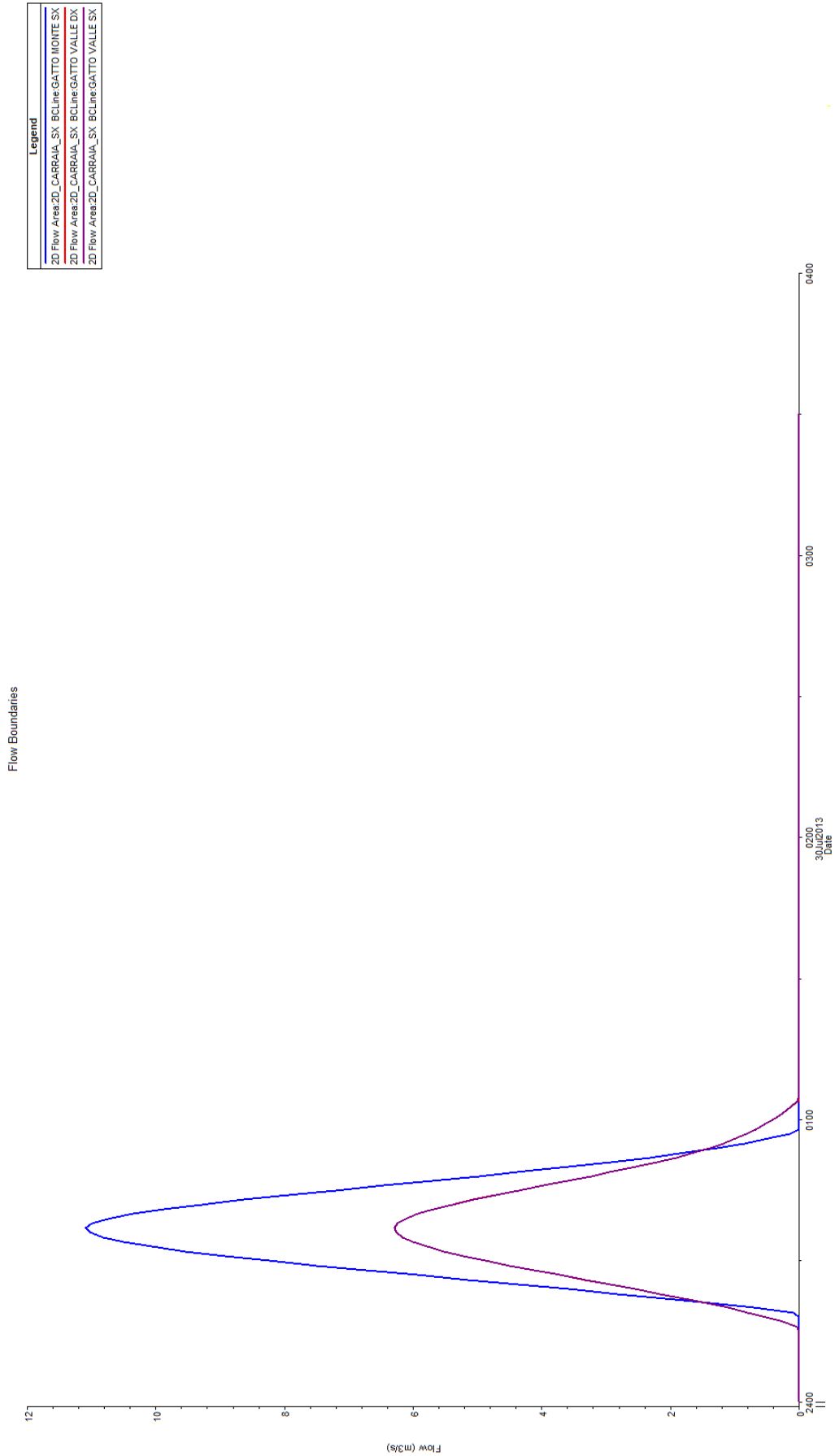
I fenomeni del presente allegato sono quelli indicati come quelli di massima portata all'interno della relazione idraulica (quelli maggiormente critici). Gli output dei fenomeni di massimo volume sono comunque inclusi all'interno della copia digitale consegnata unitamente al presente elaborato.

IDROGRAMMI IN ENTRATA NEL MODELLO BIDIMENSIONALE

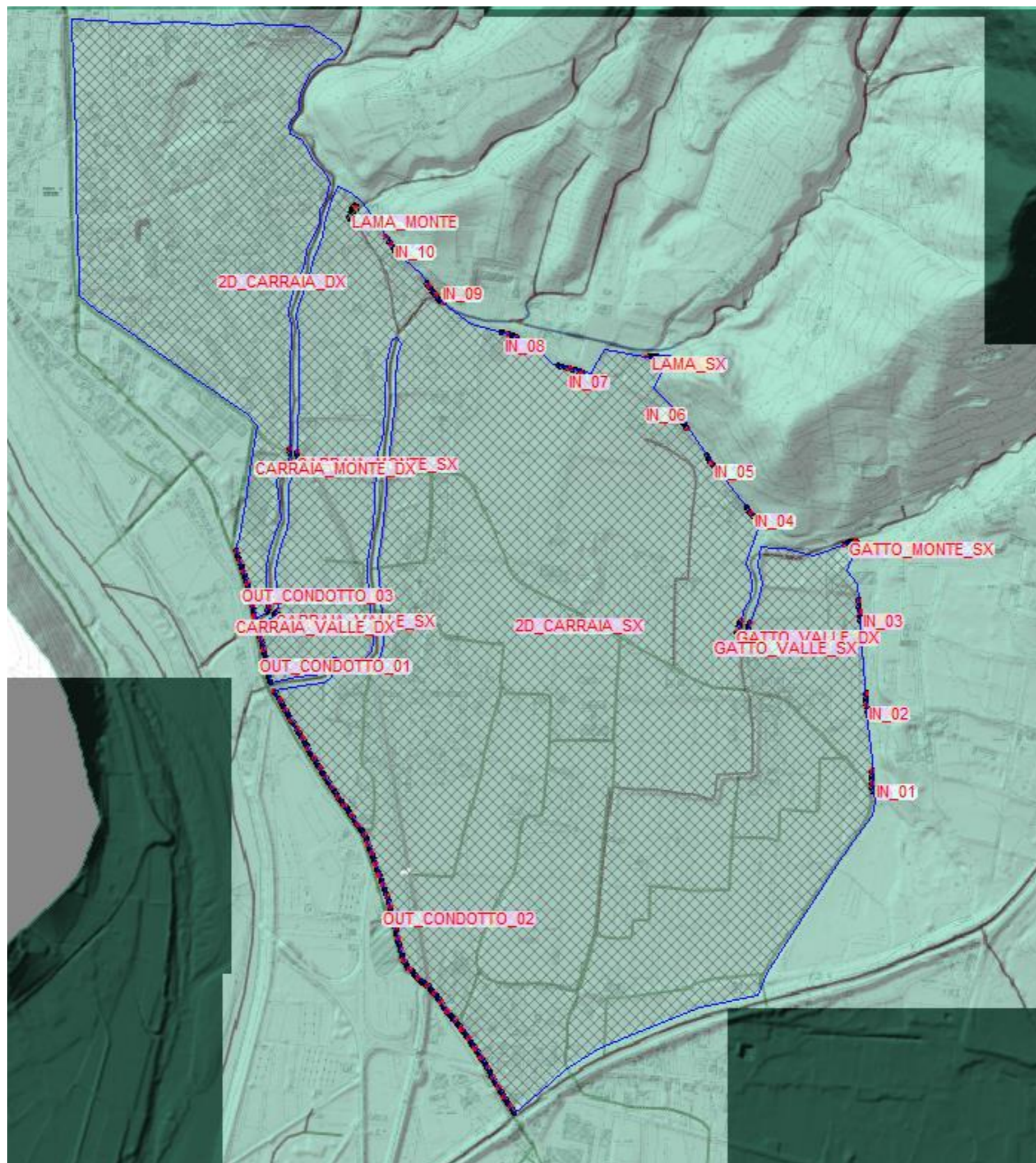
Tempi di ritorno 200 anni



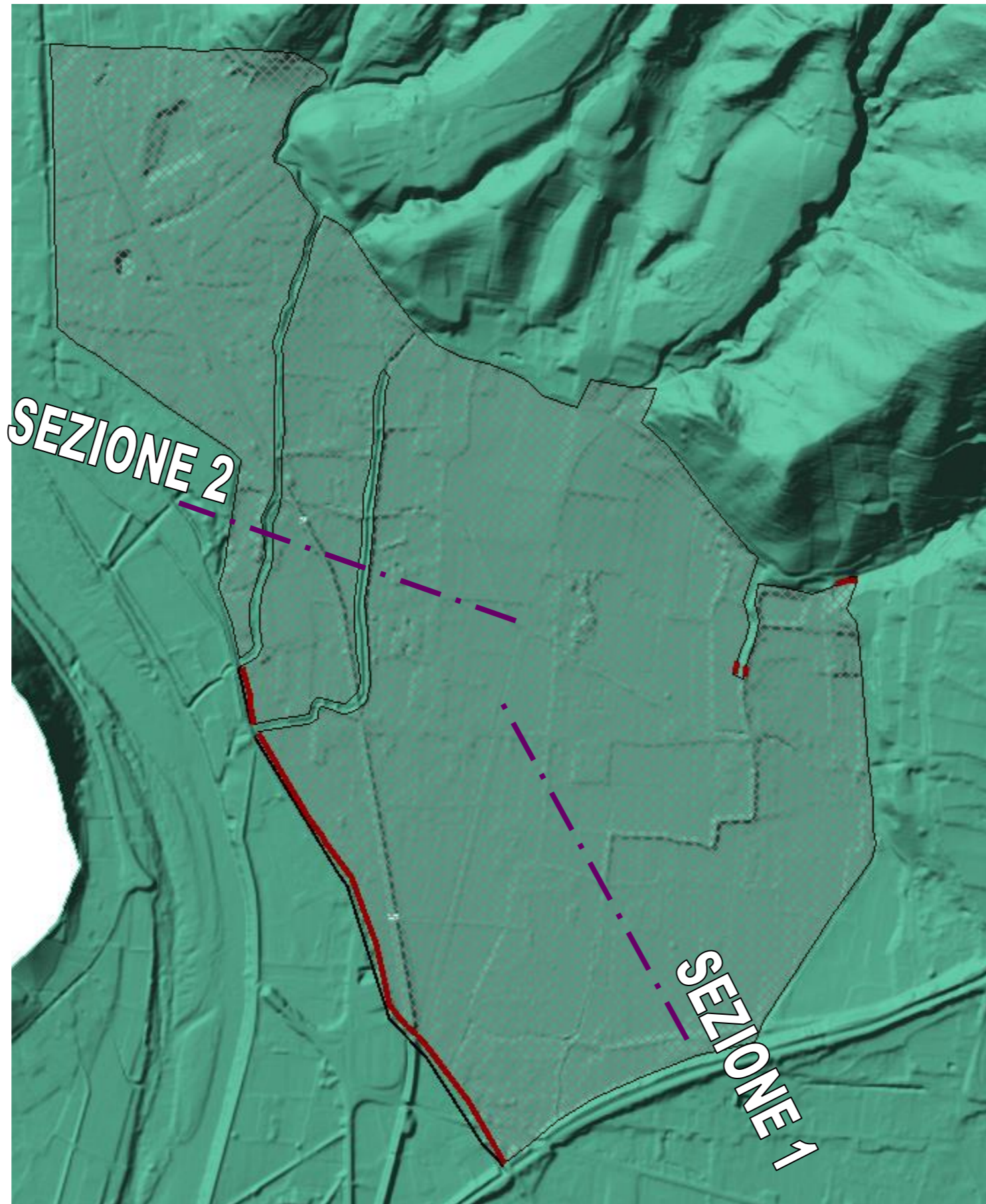
Tempo di ritorno 30 anni



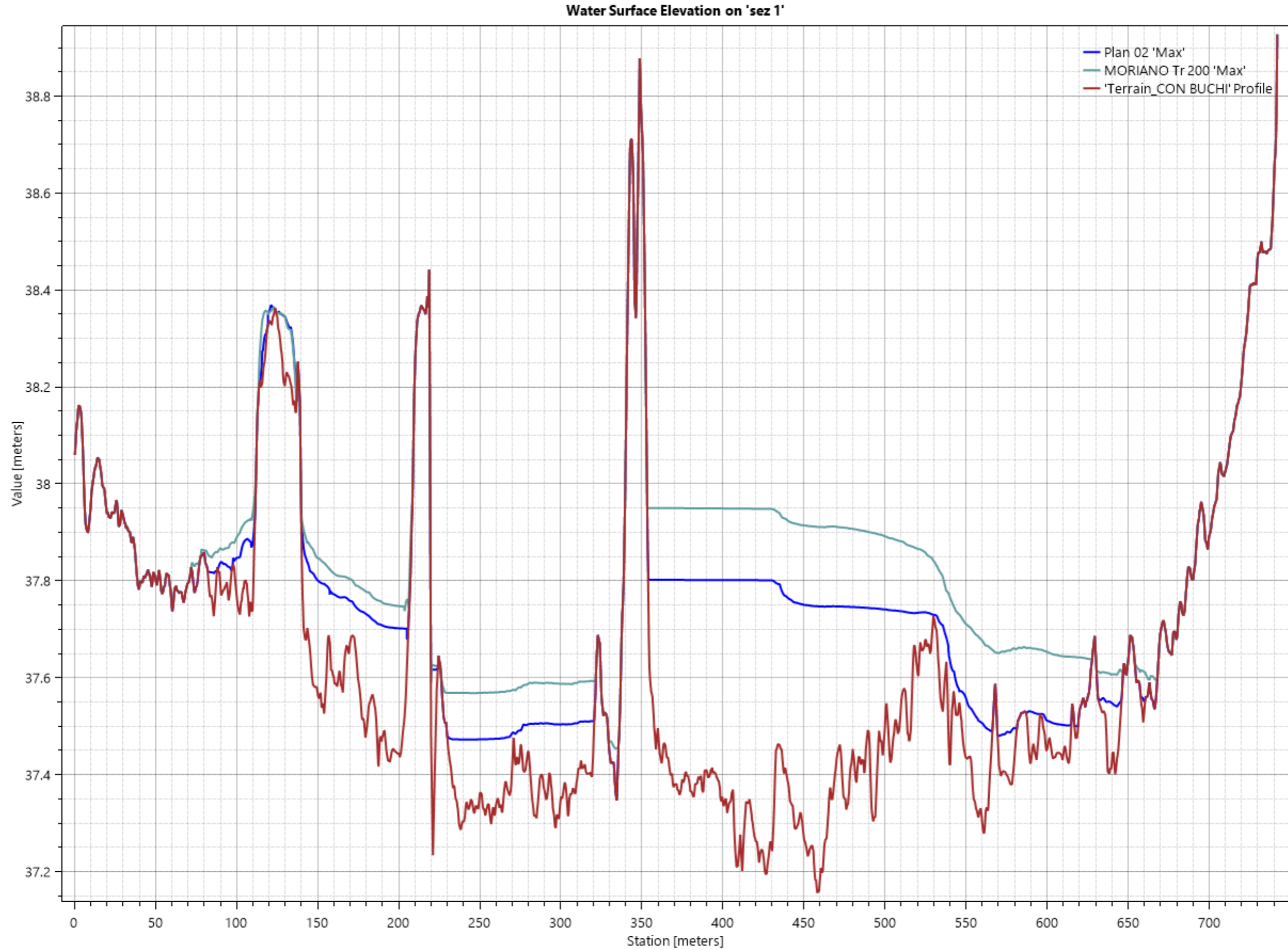
SCHEMA DEL MODELLO DI CALCOLO



PLANIMETRIA CON INDICAZIONE DELLE SEZIONI DI CONTROLLO



SEZIONE 1



SEZIONE 2

