

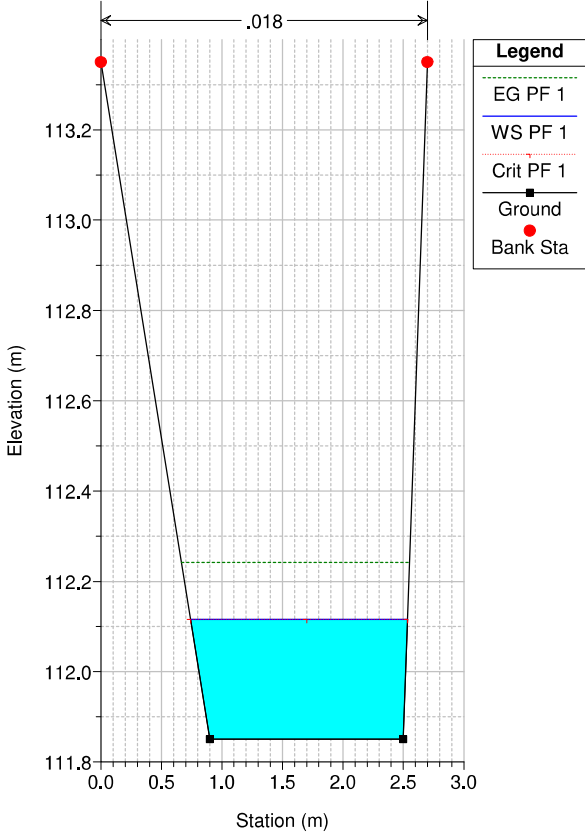
# ALL 02.1B - Modellazione idraulica Roggione-Matta-Acquabella

HEC-RAS Plan: 01 River: RA-RM-RR Reach: Reach 1 Profile: PF 1

| Reach   | River Sta | Profile | Cum Ch Len<br>(m) | W.S. Elev<br>(m) | Crit W.S.<br>(m) | E. G. Elev<br>(m) | E. G. Slope<br>(m/m) | Vel Chnl<br>(m/s) | Flow Area<br>(m2) | Top Width<br>(m) | Froude # Chl | Cum Ch Len<br>(m) |
|---------|-----------|---------|-------------------|------------------|------------------|-------------------|----------------------|-------------------|-------------------|------------------|--------------|-------------------|
| Reach 1 | 41        | PF 1    | 3346.50           | 120.15           |                  | 120.15            | 0.000002             | 0.04              | 2.26              | 4.80             | 0.02         | 3346.50           |
| Reach 1 | 40        | PF 1    | 3307.50           | 120.15           |                  | 120.15            | 0.000009             | 0.09              | 1.17              | 1.80             | 0.03         | 3307.50           |
| Reach 1 | 39        | PF 1    | 3013.50           | 120.05           | 120.05           | 120.12            | 0.007265             | 1.17              | 0.17              | 1.23             | 1.01         | 3013.50           |
| Reach 1 | 38        | PF 1    | 2848.50           | 119.32           |                  | 119.32            | 0.000117             | 0.28              | 0.72              | 1.74             | 0.14         | 2848.50           |
| Reach 1 | 37        | PF 1    | 2641.50           | 119.31           |                  | 119.31            | 0.000017             | 0.12              | 1.60              | 3.70             | 0.06         | 2641.50           |
| Reach 1 | 36        | PF 1    | 2629.50           | 119.31           | 118.86           | 119.31            | 0.000197             | 0.33              | 0.61              | 1.00             | 0.13         | 2629.50           |
| Reach 1 | 35.1      |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 35        | PF 1    | 2609.50           | 119.29           |                  | 119.29            | 0.000217             | 0.34              | 0.59              | 1.00             | 0.14         | 2609.50           |
| Reach 1 | 34        | PF 1    | 2480.50           | 119.26           | 118.92           | 119.27            | 0.000141             | 0.29              | 0.70              | 1.50             | 0.13         | 2480.50           |
| Reach 1 | 33.1      |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 33        | PF 1    | 2473.00           | 118.92           | 118.92           | 118.98            | 0.007891             | 1.10              | 0.18              | 1.50             | 1.00         | 2473.00           |
| Reach 1 | 32        | PF 1    | 2441.00           | 118.30           | 118.30           | 118.35            | 0.007294             | 0.96              | 0.21              | 2.20             | 1.00         | 2441.00           |
| Reach 1 | 31        | PF 1    | 2417.00           | 117.85           |                  | 117.87            | 0.002144             | 0.52              | 0.38              | 4.14             | 0.54         | 2417.00           |
| Reach 1 | 30        | PF 1    | 2239.00           | 117.59           | 117.48           | 117.61            | 0.001053             | 0.57              | 0.35              | 1.50             | 0.38         | 2239.00           |
| Reach 1 | 29.1      |         | Bridge            |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 29        | PF 1    | 2207.00           | 117.48           | 117.48           | 117.54            | 0.007869             | 1.10              | 0.18              | 1.50             | 1.00         | 2207.00           |
| Reach 1 | 28        | PF 1    | 2117.00           | 116.58           | 116.58           | 116.62            | 0.007565             | 0.89              | 0.34              | 4.09             | 1.00         | 2117.00           |
| Reach 1 | 27        | PF 1    | 1778.00           | 116.24           | 115.86           | 116.25            | 0.000204             | 0.37              | 0.82              | 1.50             | 0.16         | 1778.00           |
| Reach 1 | 26.1      |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 26        | PF 1    | 1697.00           | 115.90           | 115.86           | 115.95            | 0.003713             | 0.99              | 0.30              | 1.50             | 0.71         | 1697.00           |
| Reach 1 | 25        | PF 1    | 1653.00           | 115.68           | 115.68           | 115.72            | 0.007523             | 0.89              | 0.34              | 4.21             | 1.00         | 1653.00           |
| Reach 1 | 24        | PF 1    | 1530.00           | 115.30           | 115.21           | 115.31            | 0.000928             | 0.53              | 0.57              | 3.10             | 0.39         | 1530.00           |
| Reach 1 | 23.1      |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 23        | PF 1    | 1481.00           | 115.24           |                  | 115.27            | 0.002692             | 0.74              | 0.41              | 2.99             | 0.64         | 1481.00           |
| Reach 1 | 22        | PF 1    | 1439.00           | 115.24           | 115.09           | 115.24            | 0.000282             | 0.34              | 1.50              | 6.71             | 0.23         | 1439.00           |
| Reach 1 | 21.1      |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 21        | PF 1    | 1419.00           | 115.21           |                  | 115.22            | 0.000421             | 0.38              | 1.33              | 6.63             | 0.27         | 1419.00           |
| Reach 1 | 20        | PF 1    | 1401.00           | 115.19           |                  | 115.21            | 0.000771             | 0.63              | 0.81              | 2.40             | 0.35         | 1401.00           |
| Reach 1 | 19        | PF 1    | 1383.00           | 115.06           | 115.06           | 115.16            | 0.006722             | 1.43              | 0.50              | 2.40             | 1.01         | 1383.00           |
| Reach 1 | 18        | PF 1    | 1361.00           | 114.68           | 114.51           | 114.71            | 0.000874             | 0.73              | 0.97              | 2.90             | 0.41         | 1361.00           |
| Reach 1 | 17.1      |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 17        | PF 1    | 1352.00           | 114.63           |                  | 114.67            | 0.001337             | 0.85              | 0.84              | 2.82             | 0.50         | 1352.00           |
| Reach 1 | 16        | PF 1    | 1343.00           | 114.65           | 114.12           | 114.66            | 0.000176             | 0.43              | 1.65              | 2.20             | 0.16         | 1343.00           |
| Reach 1 | 15.1      |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 15        | PF 1    | 1324.00           | 114.64           |                  | 114.65            | 0.000181             | 0.43              | 1.63              | 2.20             | 0.16         | 1324.00           |
| Reach 1 | 14        | PF 1    | 1292.00           | 114.63           | 114.13           | 114.65            | 0.000239             | 0.48              | 1.47              | 2.00             | 0.18         | 1292.00           |
| Reach 1 | 13.1      |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 13        | PF 1    | 1276.00           | 114.59           |                  | 114.61            | 0.000278             | 0.51              | 1.39              | 2.00             | 0.20         | 1276.00           |
| Reach 1 | 12        | PF 1    | 1211.00           | 114.59           | 113.87           | 114.59            | 0.000119             | 0.37              | 1.89              | 2.00             | 0.12         | 1211.00           |
| Reach 1 | 11.1      |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 11        | PF 1    | 1153.00           | 114.04           |                  | 114.08            | 0.001370             | 0.89              | 0.80              | 2.00             | 0.45         | 1153.00           |
| Reach 1 | 10        | PF 1    | 1089.00           | 114.00           |                  | 114.02            | 0.000548             | 0.58              | 1.22              | 3.74             | 0.33         | 1089.00           |
| Reach 1 | 9         | PF 1    | 1031.00           | 113.98           | 113.53           | 114.00            | 0.000256             | 0.49              | 1.44              | 2.10             | 0.19         | 1031.00           |
| Reach 1 | 8.1       |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 8         | PF 1    | 1013.00           | 113.60           |                  | 113.66            | 0.002884             | 1.13              | 0.63              | 2.10             | 0.66         | 1013.00           |
| Reach 1 | 7         | PF 1    | 894.00            | 113.07           | 113.07           | 113.18            | 0.006097             | 1.45              | 0.49              | 2.30             | 1.01         | 894.00            |
| Reach 1 | 6         | PF 1    | 579.00            | 112.61           | 112.14           | 112.61            | 0.000127             | 0.37              | 1.90              | 2.99             | 0.15         | 579.00            |
| Reach 1 | 5.1       |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 5         | PF 1    | 551.00            | 112.59           |                  | 112.59            | 0.000139             | 0.39              | 1.84              | 2.98             | 0.16         | 551.00            |
| Reach 1 | 4         | PF 1    | 341.00            | 112.55           |                  | 112.56            | 0.000163             | 0.41              | 1.75              | 2.97             | 0.17         | 341.00            |
| Reach 1 | 3         | PF 1    | 104.00            | 112.47           | 112.17           | 112.50            | 0.000592             | 0.69              | 1.03              | 2.01             | 0.31         | 104.00            |
| Reach 1 | 2.1       |         | Culvert           |                  |                  |                   |                      |                   |                   |                  |              |                   |
| Reach 1 | 2         | PF 1    | 93.00             | 112.37           |                  | 112.41            | 0.001092             | 0.85              | 0.83              | 1.94             | 0.42         | 93.00             |
| Reach 1 | 1         | PF 1    | 53.00             | 112.33           | 112.12           | 112.36            | 0.001028             | 0.84              | 0.85              | 1.95             | 0.40         | 53.00             |
| Reach 1 | 0         | PF 1    |                   | 112.12           | 112.12           | 112.24            | 0.006590             | 1.58              | 0.45              | 1.79             | 1.01         |                   |

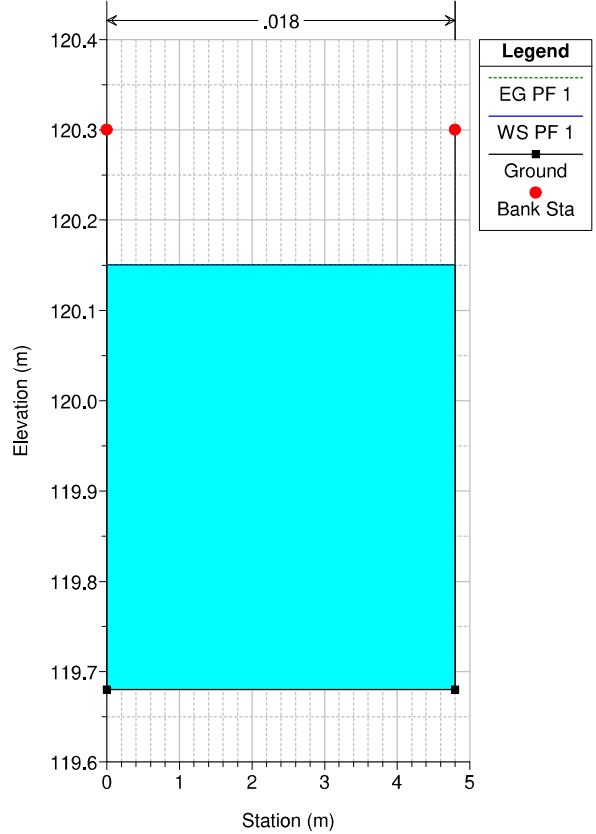
AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01  
 River = RA-RM-RR Reach = Reach 1 RS = 0



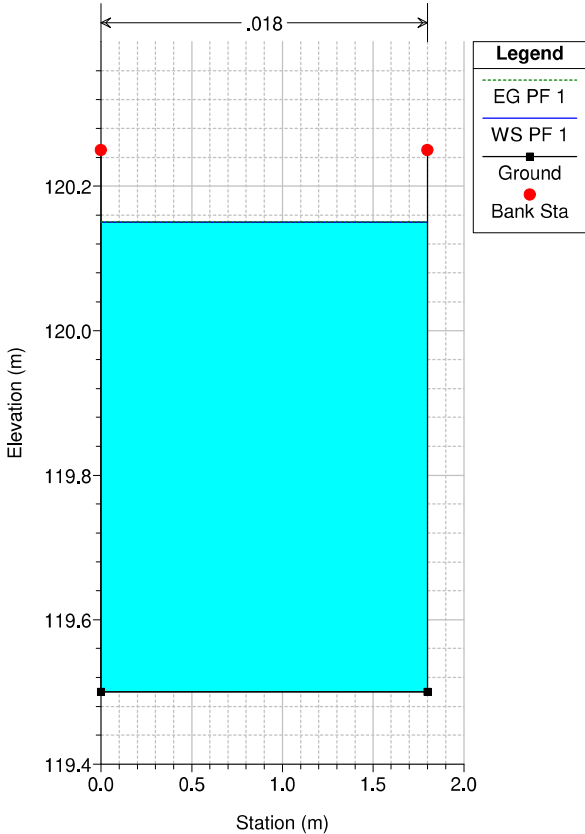
AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01  
 River = RA-RM-RR Reach = Reach 1 RS = 41



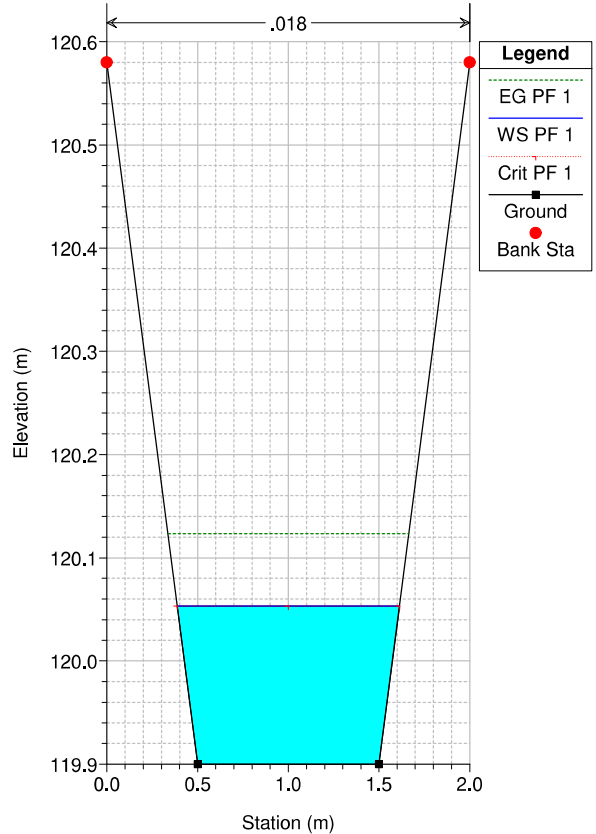
AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01  
 River = RA-RM-RR Reach = Reach 1 RS = 40



AcquabellaMattaRoggione 2025-12 Segrate

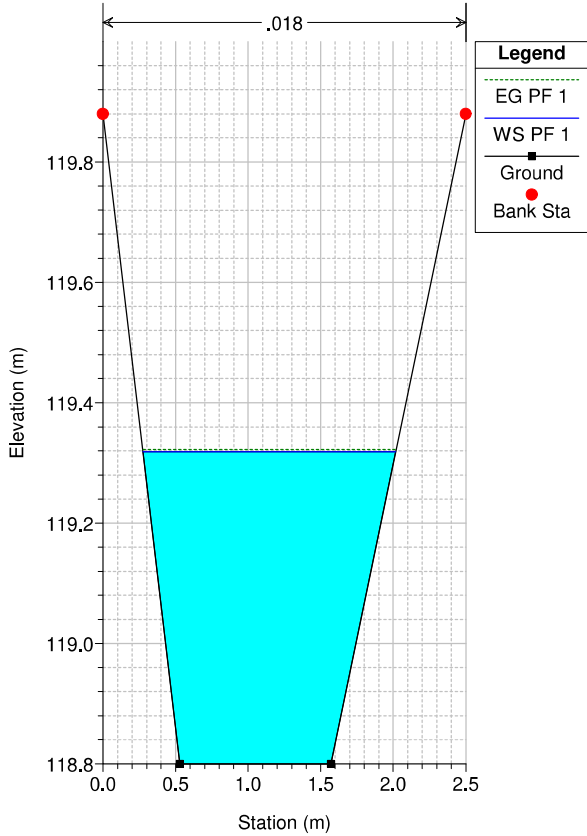
Geom: AcquabellaMattaRoggione Flow: Flow 01  
 River = RA-RM-RR Reach = Reach 1 RS = 39



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

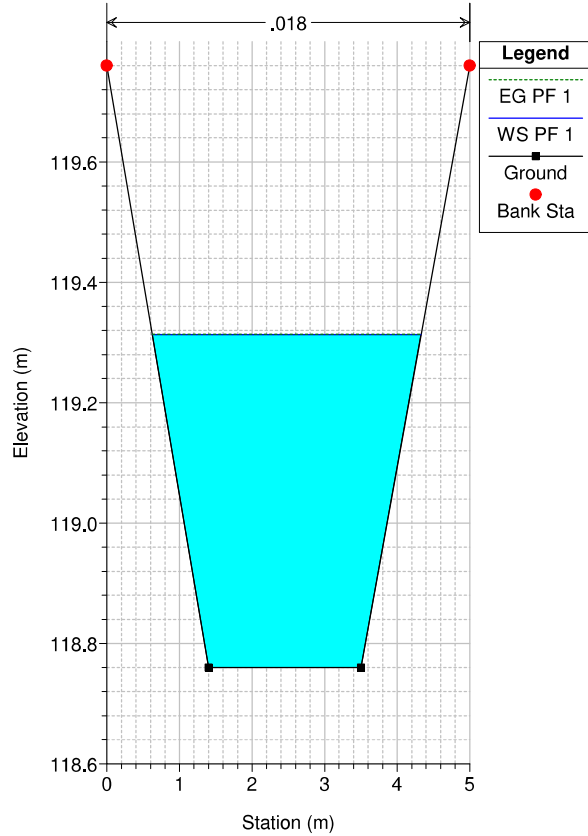
River = RA-RM-RR Reach = Reach 1 RS = 38



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

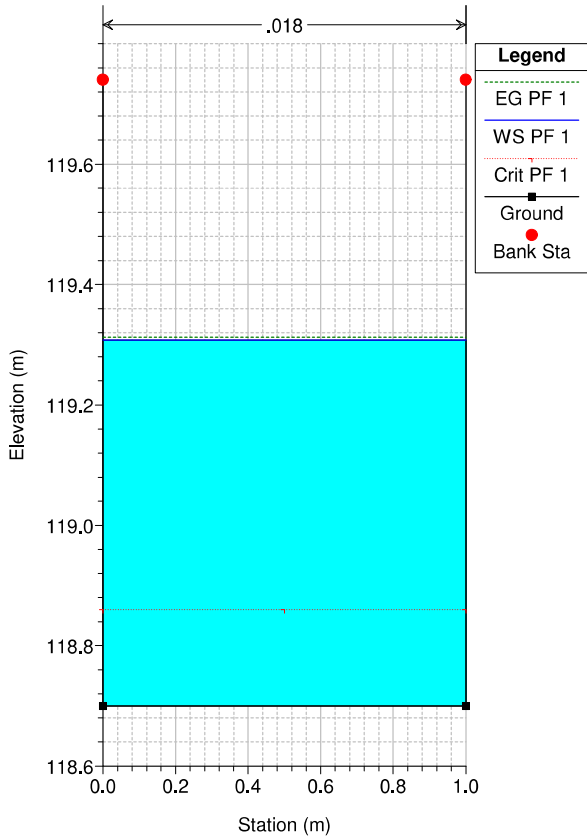
River = RA-RM-RR Reach = Reach 1 RS = 37



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

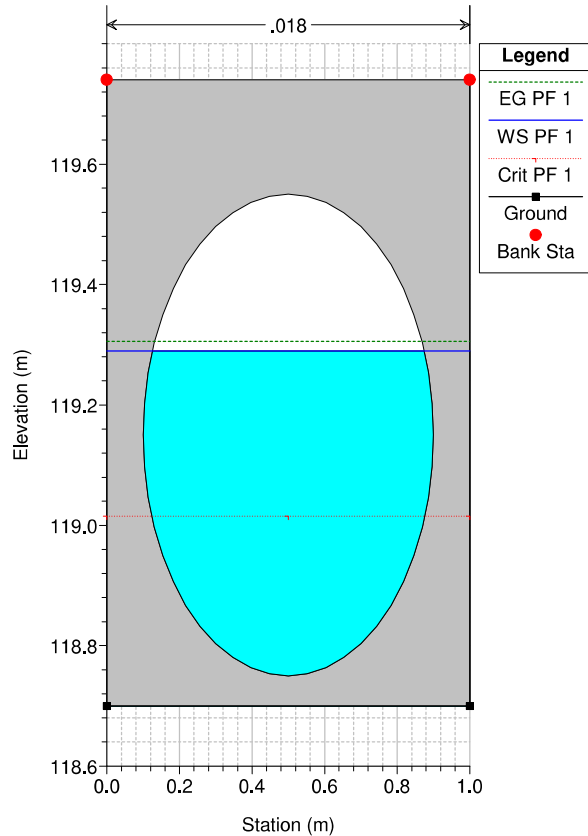
River = RA-RM-RR Reach = Reach 1 RS = 36



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

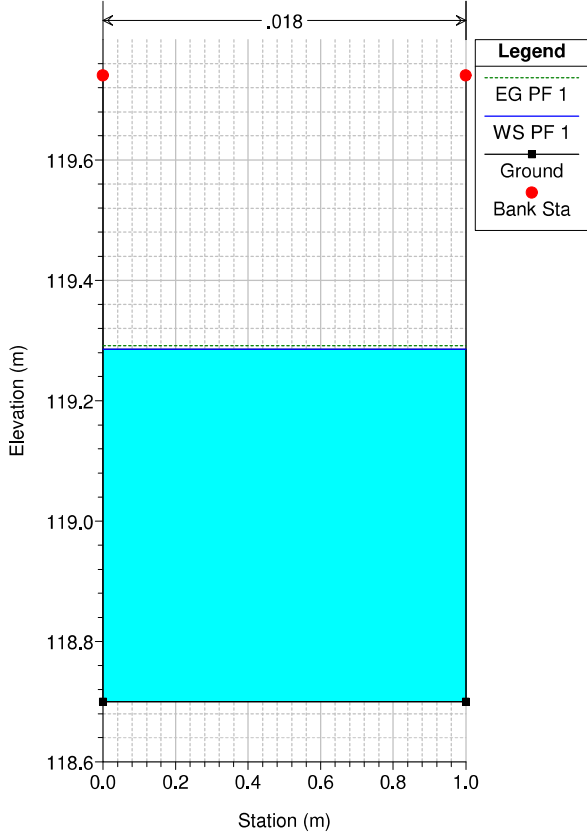
River = RA-RM-RR Reach = Reach 1 RS = 35.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

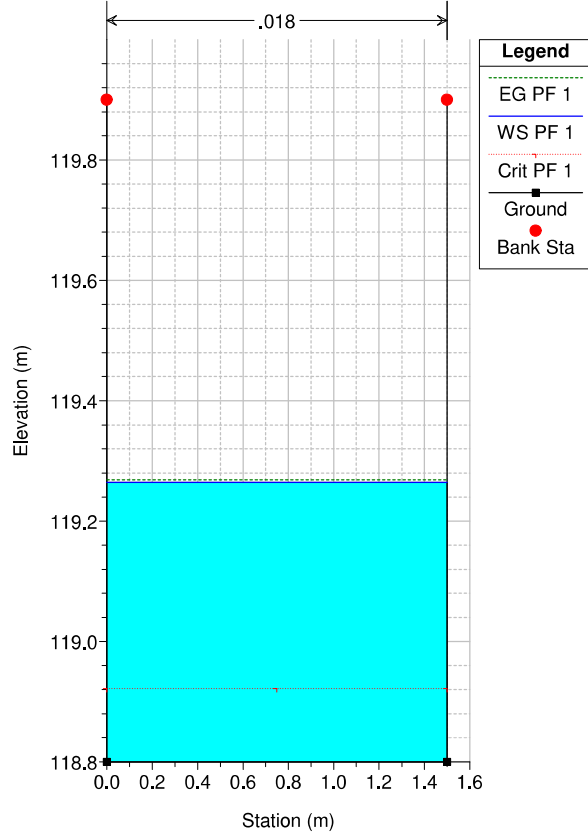
River = RA-RM-RR Reach = Reach 1 RS = 35



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

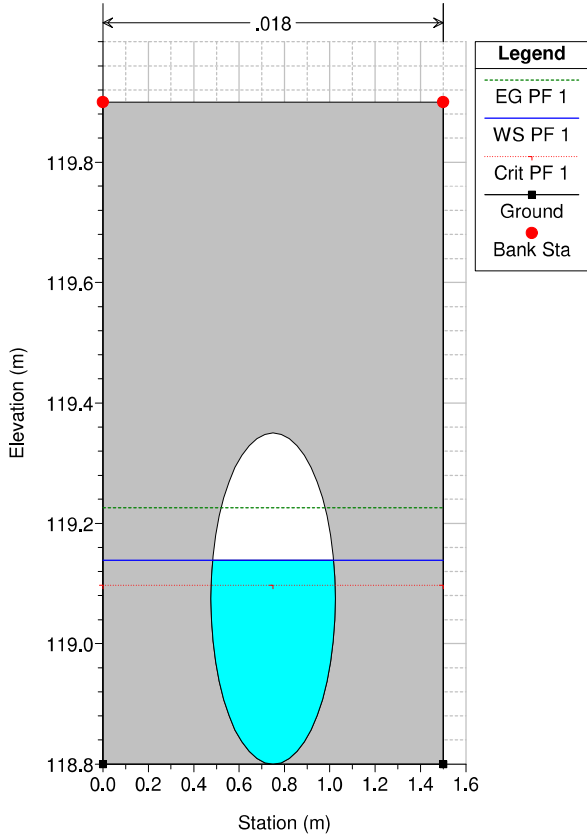
River = RA-RM-RR Reach = Reach 1 RS = 34



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

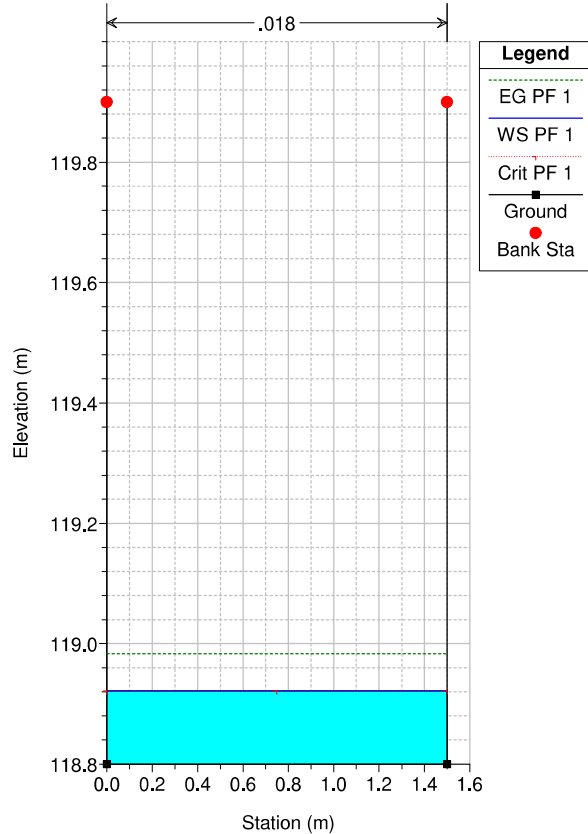
River = RA-RM-RR Reach = Reach 1 RS = 33.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

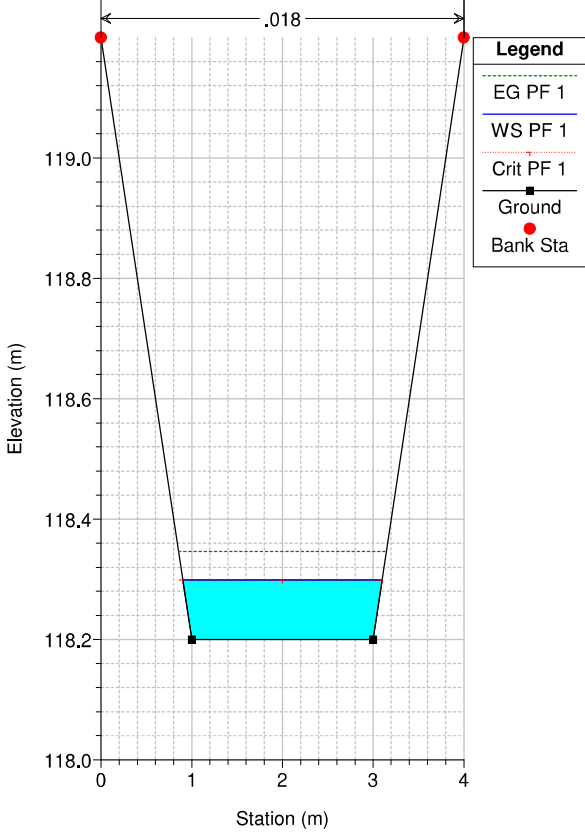
River = RA-RM-RR Reach = Reach 1 RS = 33



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

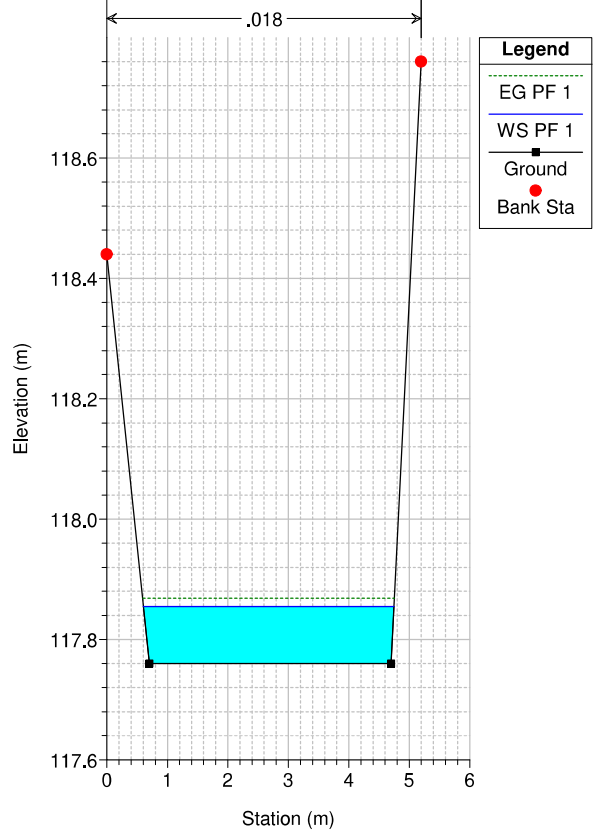
River = RA-RM-RR Reach = Reach 1 RS = 32



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

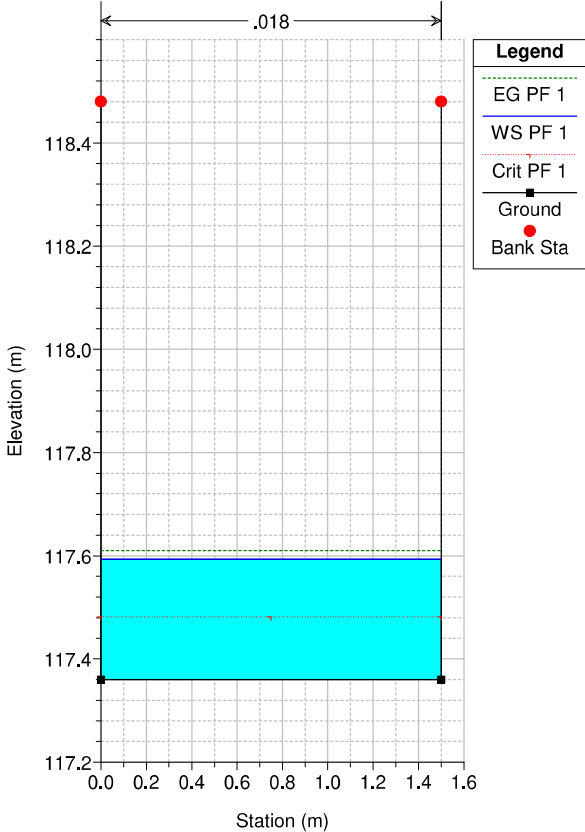
River = RA-RM-RR Reach = Reach 1 RS = 31



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

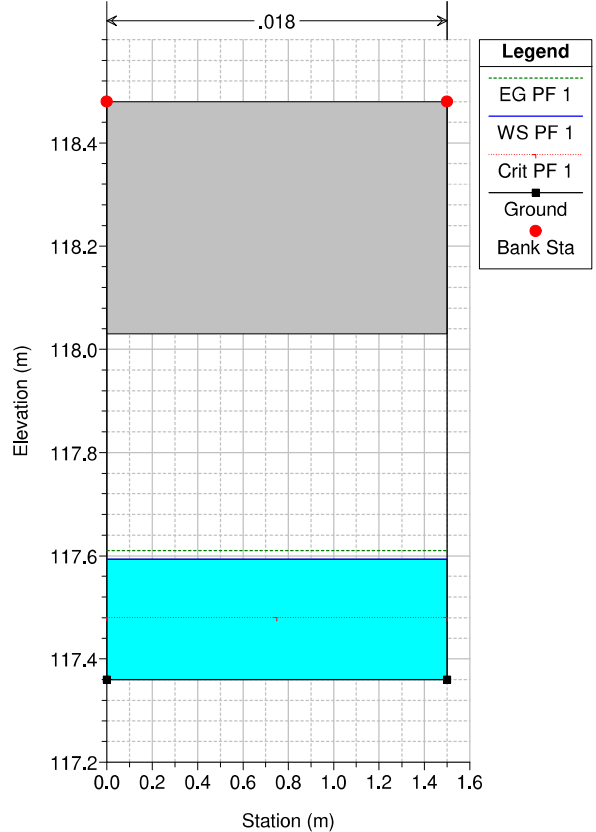
River = RA-RM-RR Reach = Reach 1 RS = 30



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

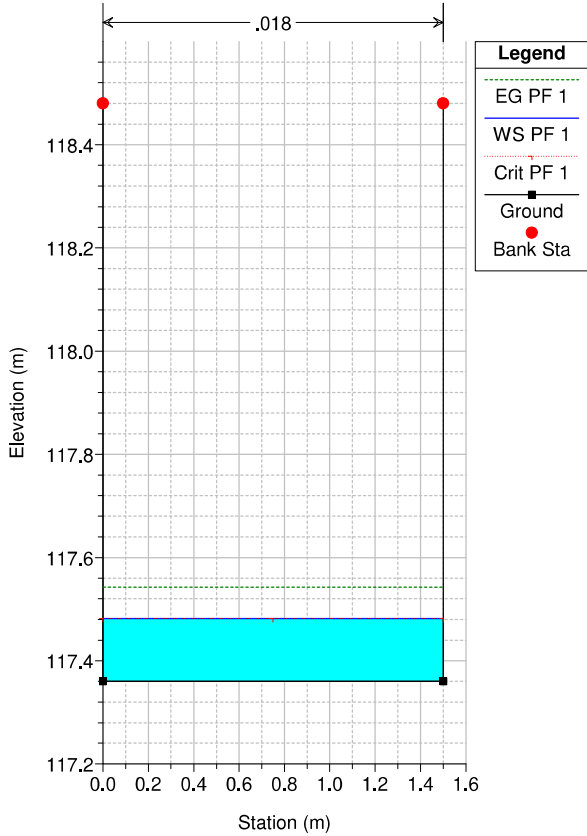
River = RA-RM-RR Reach = Reach 1 RS = 29.1 BR



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

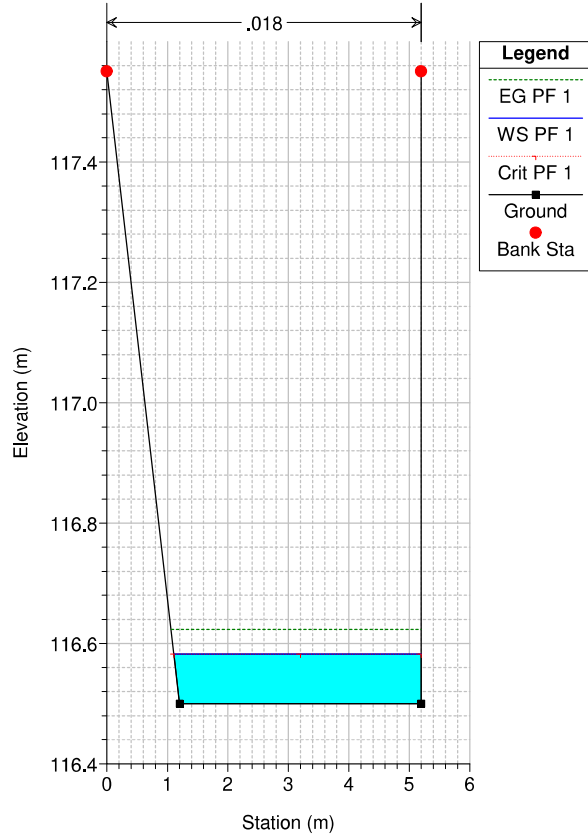
River = RA-RM-RR Reach = Reach 1 RS = 29



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

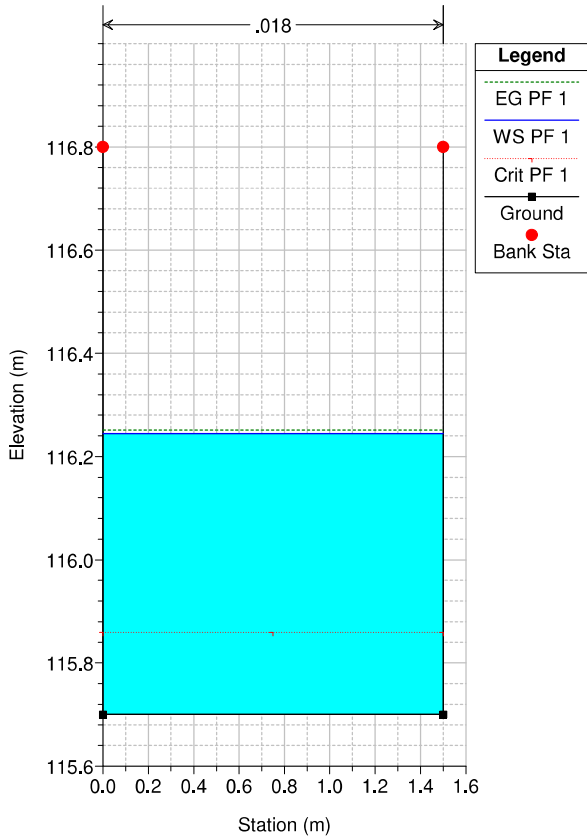
River = RA-RM-RR Reach = Reach 1 RS = 28



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

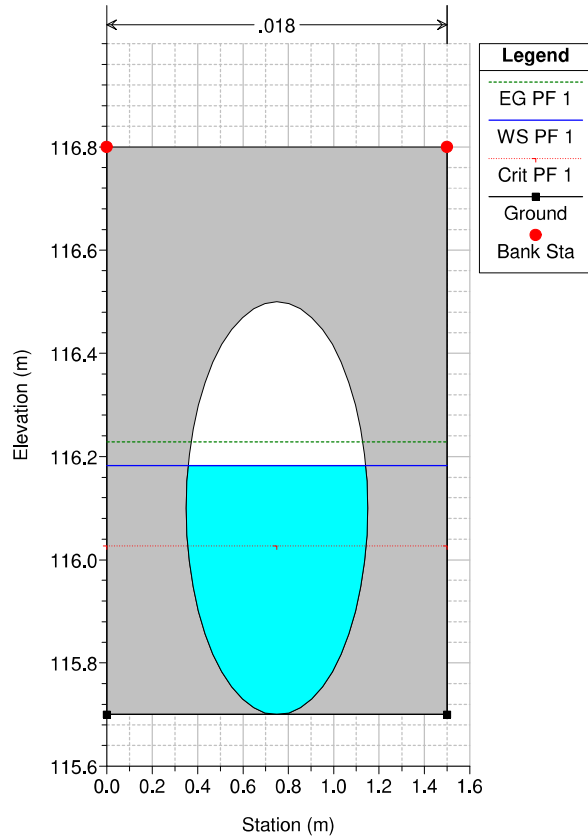
River = RA-RM-RR Reach = Reach 1 RS = 27



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

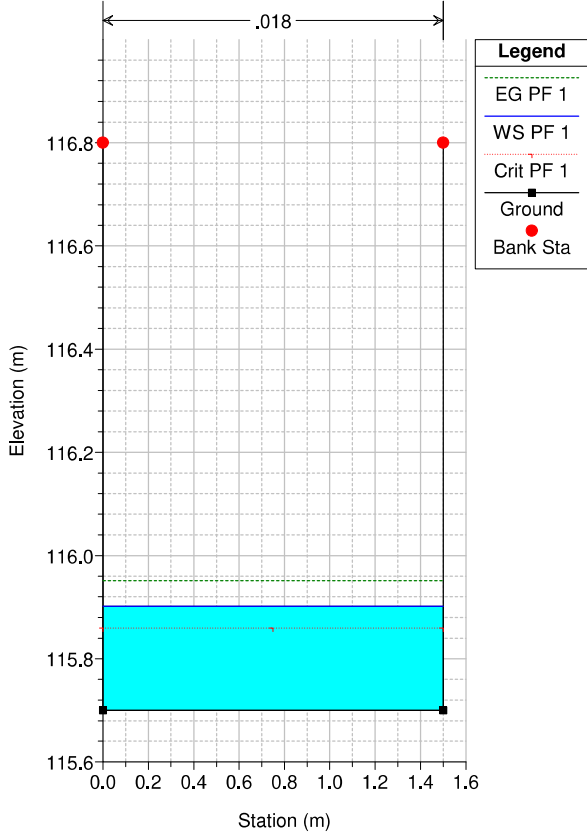
River = RA-RM-RR Reach = Reach 1 RS = 26.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

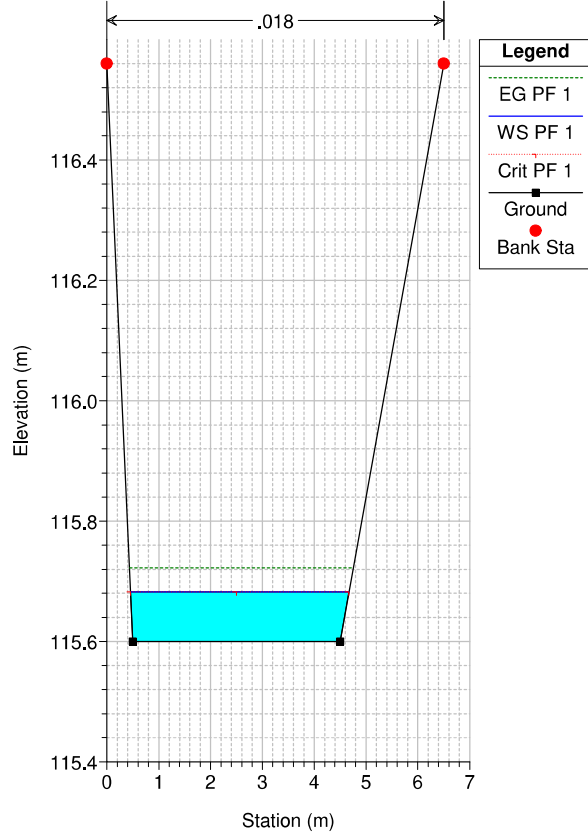
River = RA-RM-RR Reach = Reach 1 RS = 26



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

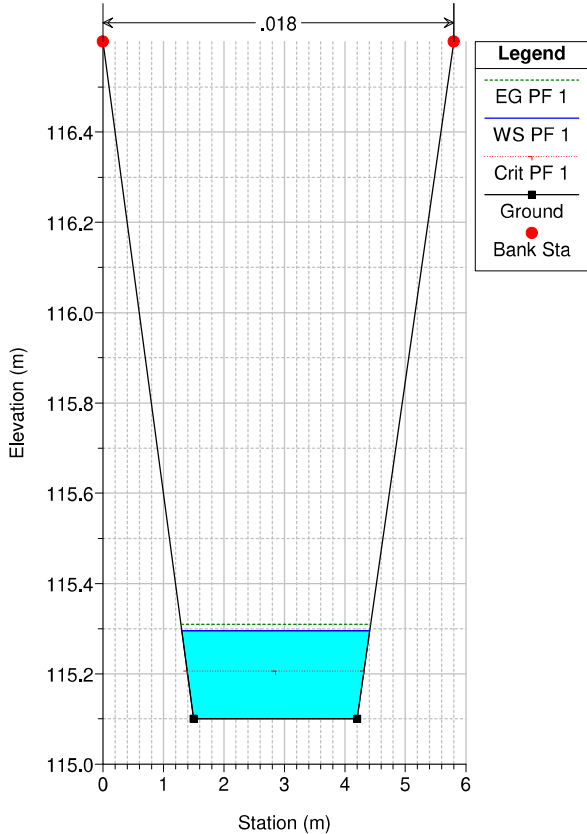
River = RA-RM-RR Reach = Reach 1 RS = 25



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

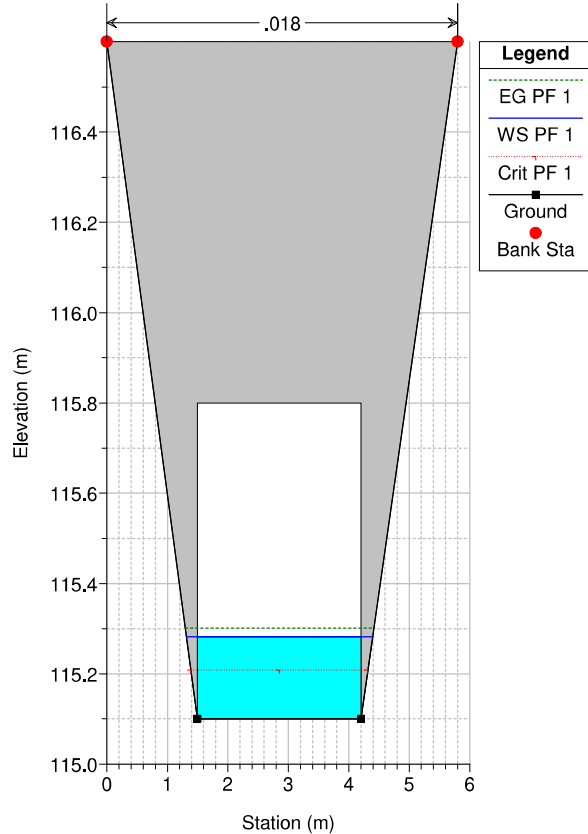
River = RA-RM-RR Reach = Reach 1 RS = 24



AcquabellaMattaRoggione 2025-12 Segrate

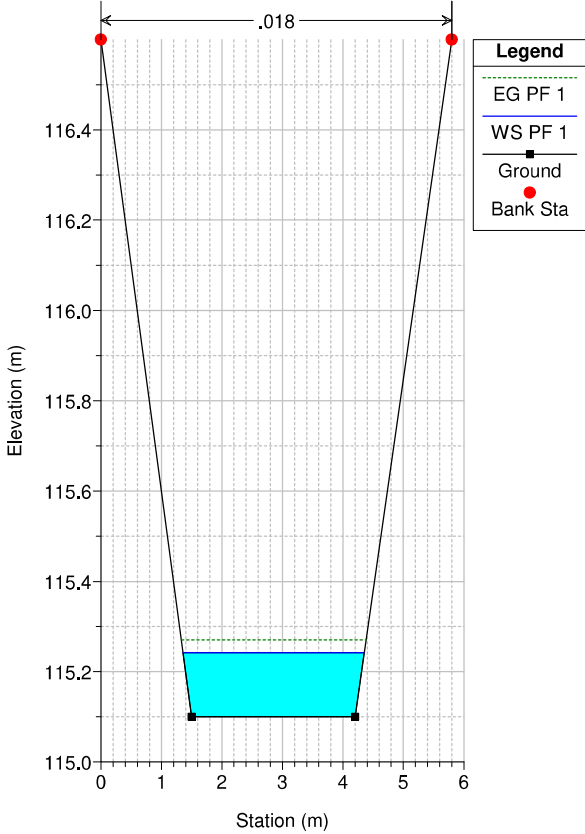
Geom: AcquabellaMattaRoggione Flow: Flow 01

River = RA-RM-RR Reach = Reach 1 RS = 23.1 Culv



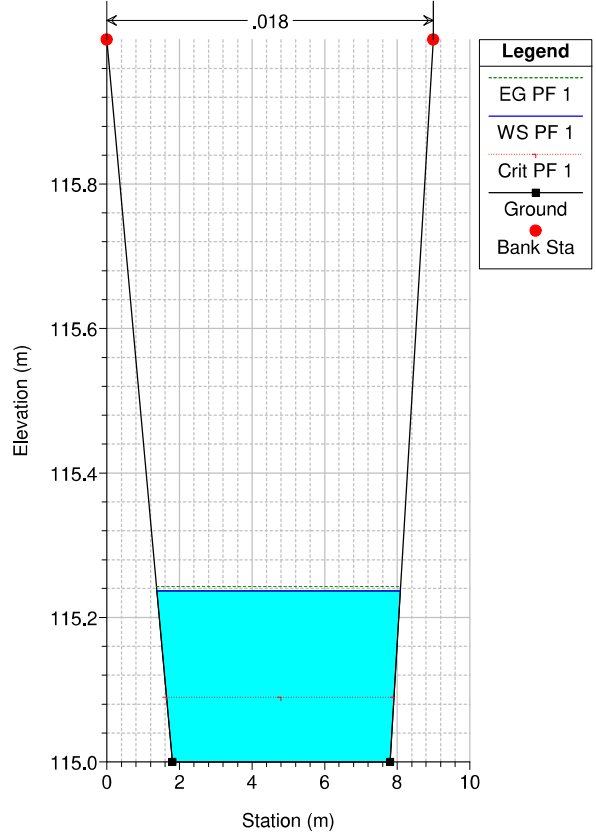
AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01  
 River = RA-RM-RR Reach = Reach 1 RS = 23



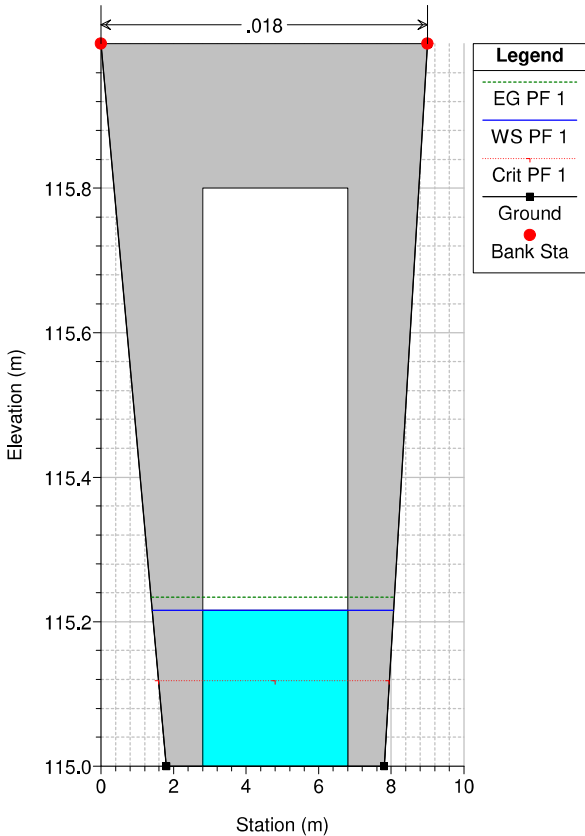
AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01  
 River = RA-RM-RR Reach = Reach 1 RS = 22



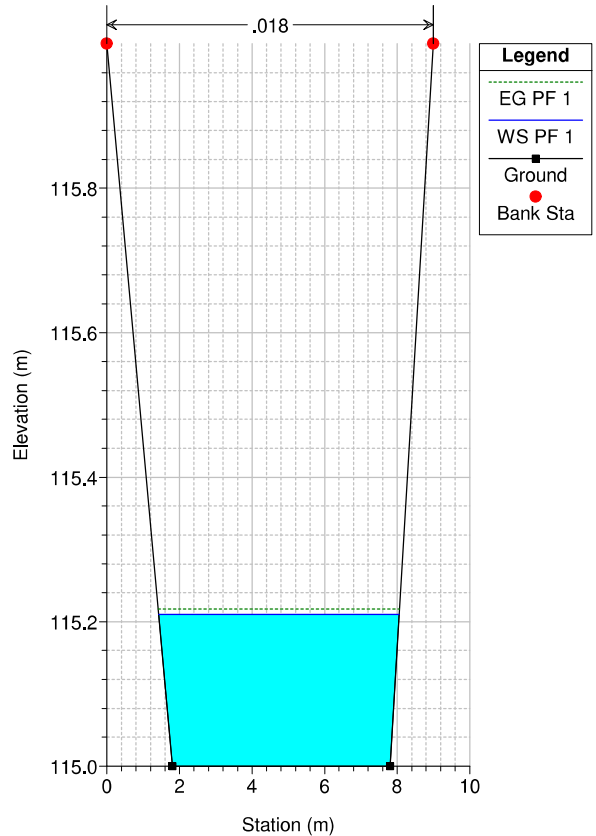
AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01  
 River = RA-RM-RR Reach = Reach 1 RS = 21.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

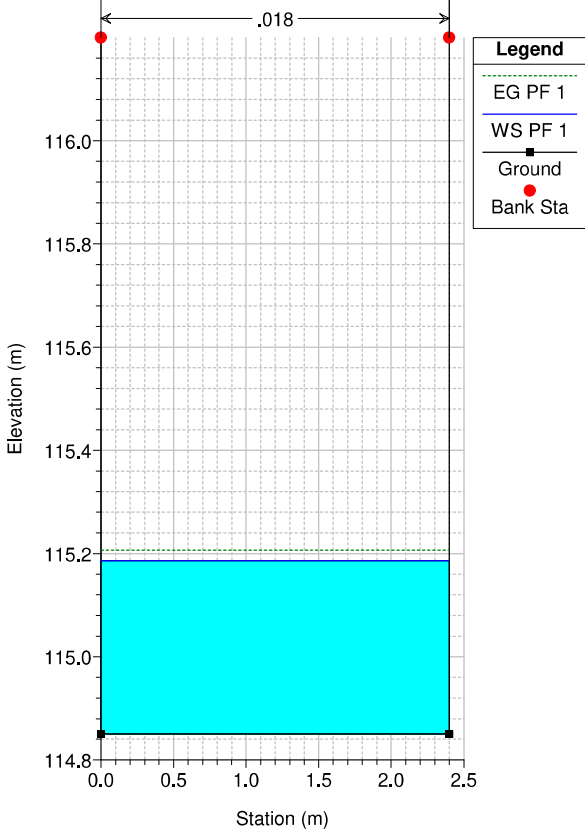
Geom: AcquabellaMattaRoggione Flow: Flow 01  
 River = RA-RM-RR Reach = Reach 1 RS = 21



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

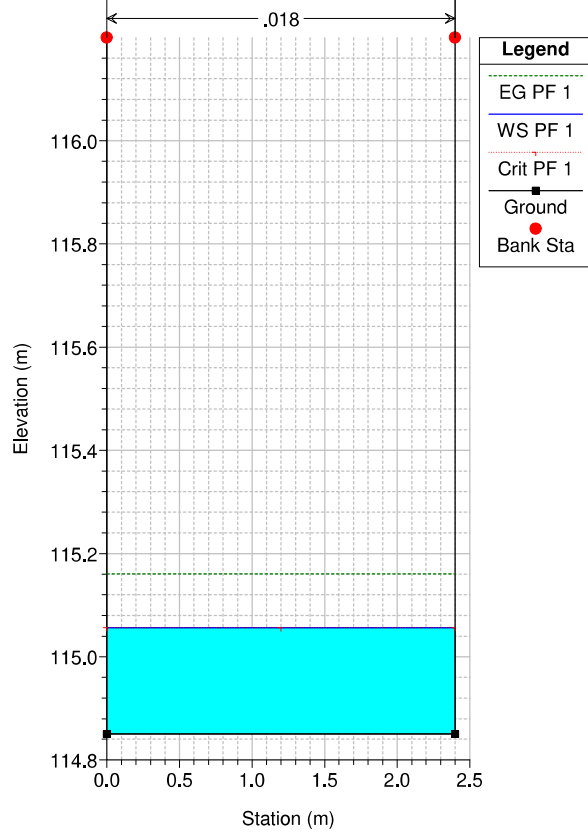
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AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

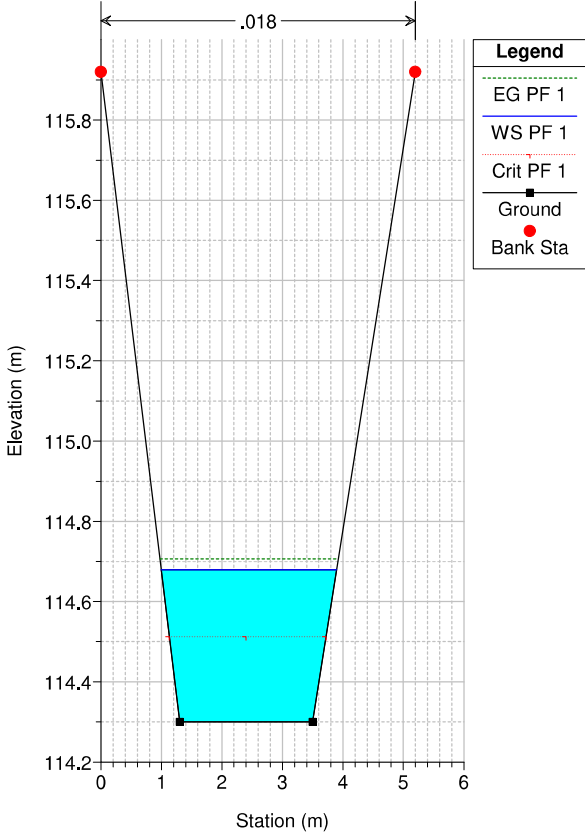
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AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

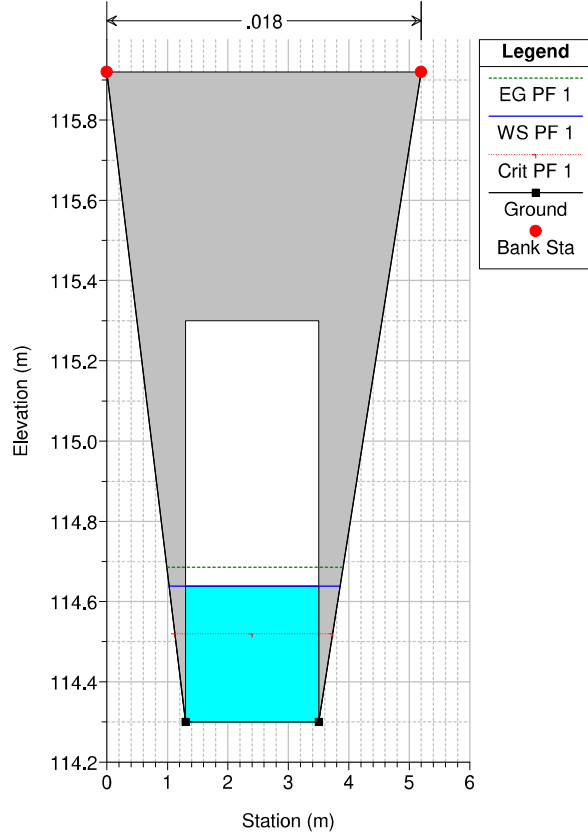
River = RA-RM-RR Reach = Reach 1 RS = 18



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

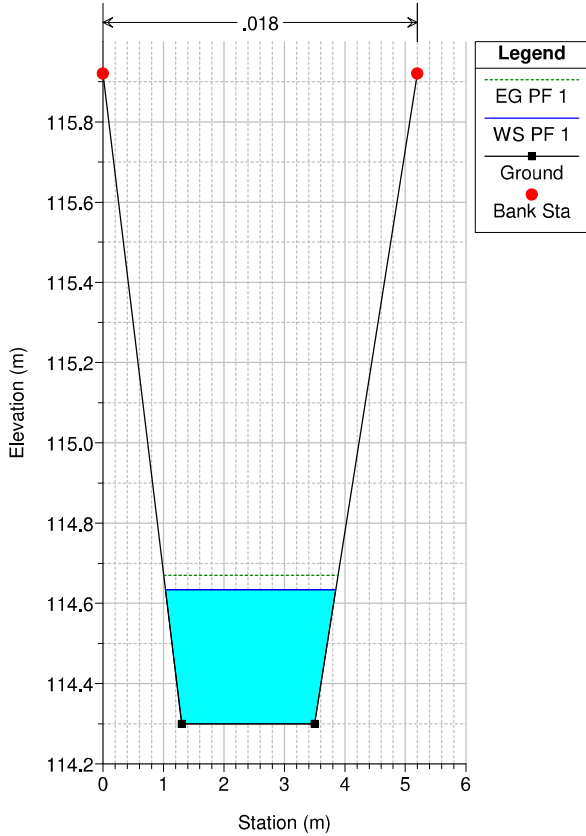
River = RA-RM-RR Reach = Reach 1 RS = 17.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

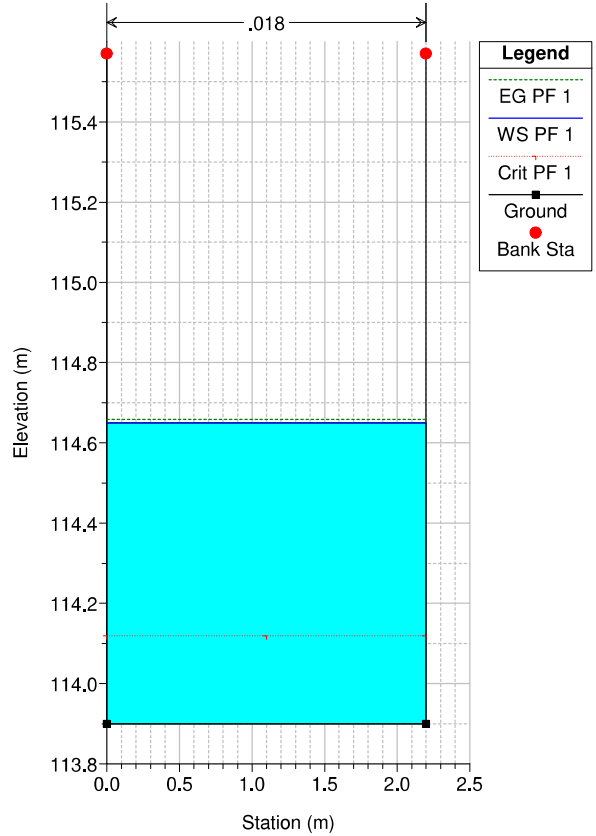
River = RA-RM-RR Reach = Reach 1 RS = 17



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

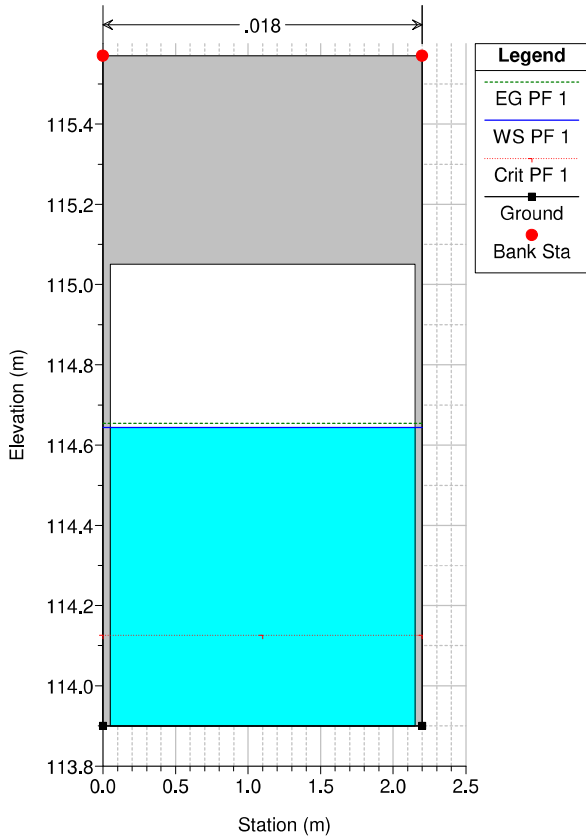
River = RA-RM-RR Reach = Reach 1 RS = 16



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

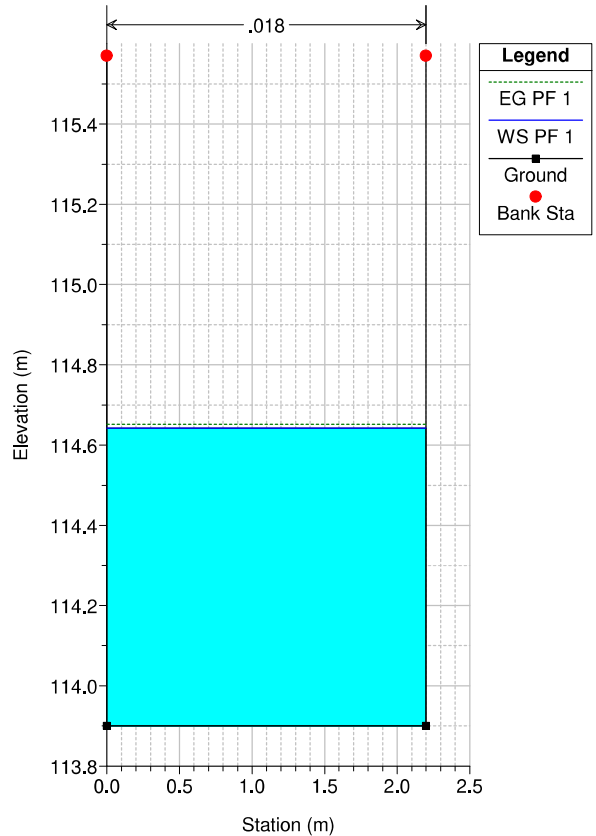
River = RA-RM-RR Reach = Reach 1 RS = 15.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

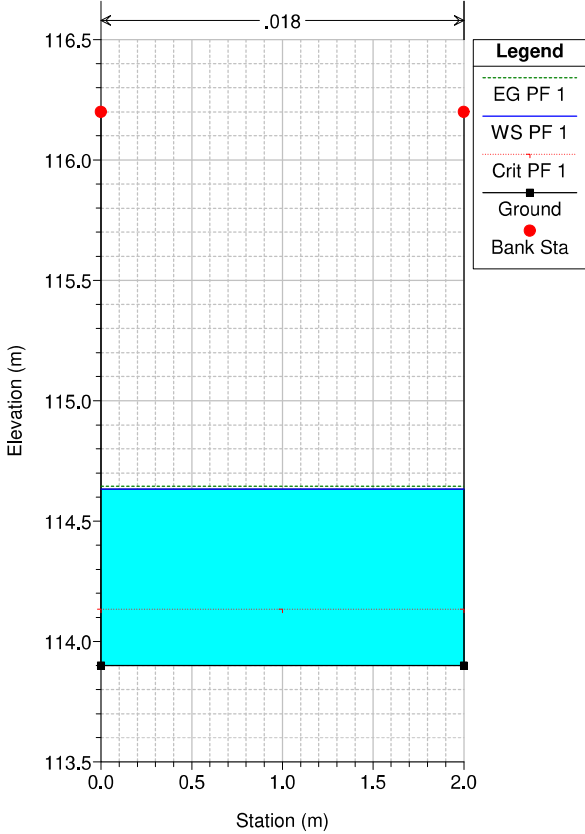
River = RA-RM-RR Reach = Reach 1 RS = 15



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

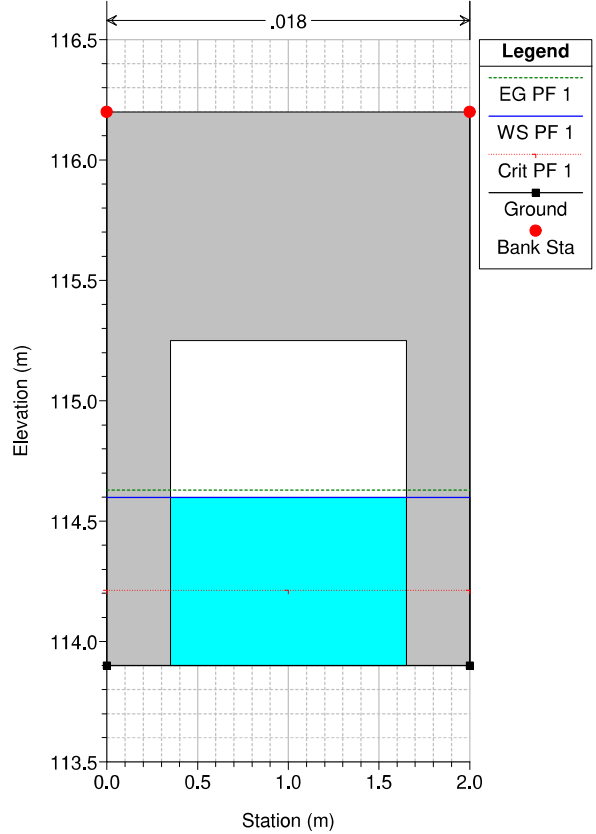
River = RA-RM-RR Reach = Reach 1 RS = 14



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

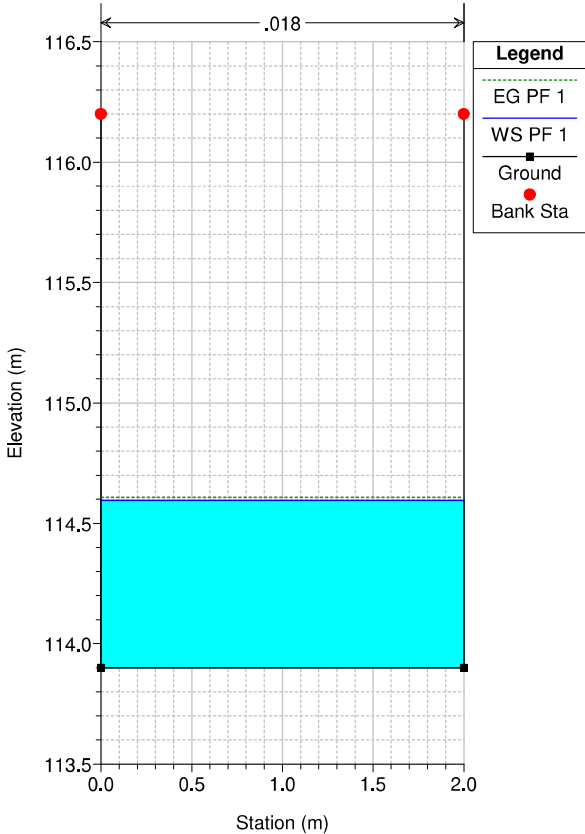
River = RA-RM-RR Reach = Reach 1 RS = 13.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

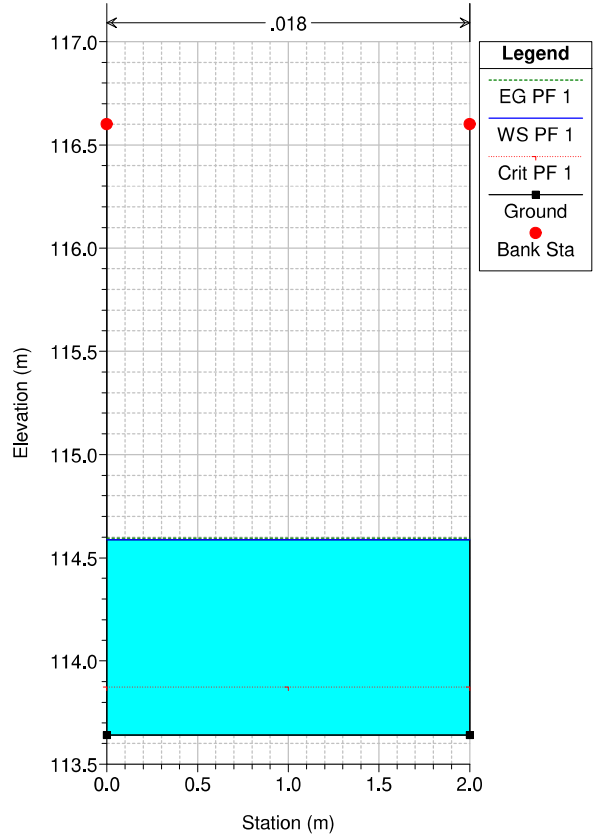
River = RA-RM-RR Reach = Reach 1 RS = 13



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

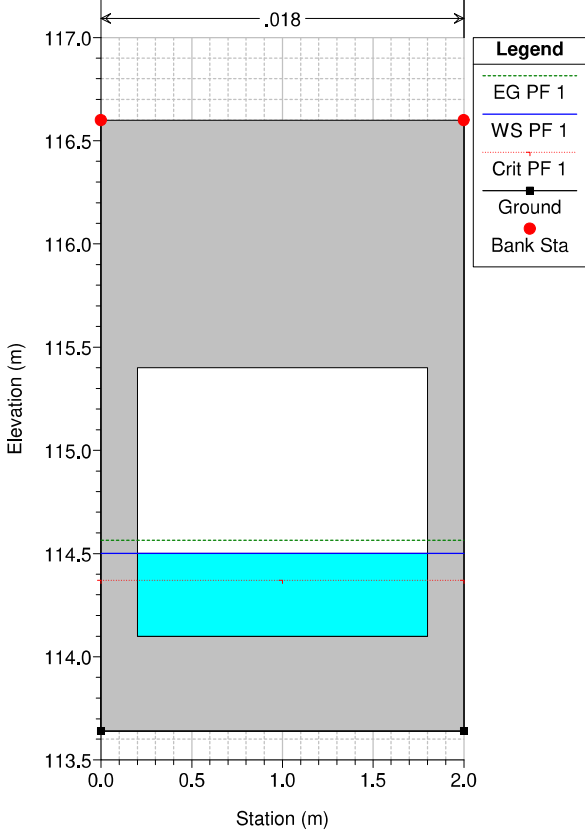
River = RA-RM-RR Reach = Reach 1 RS = 12



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

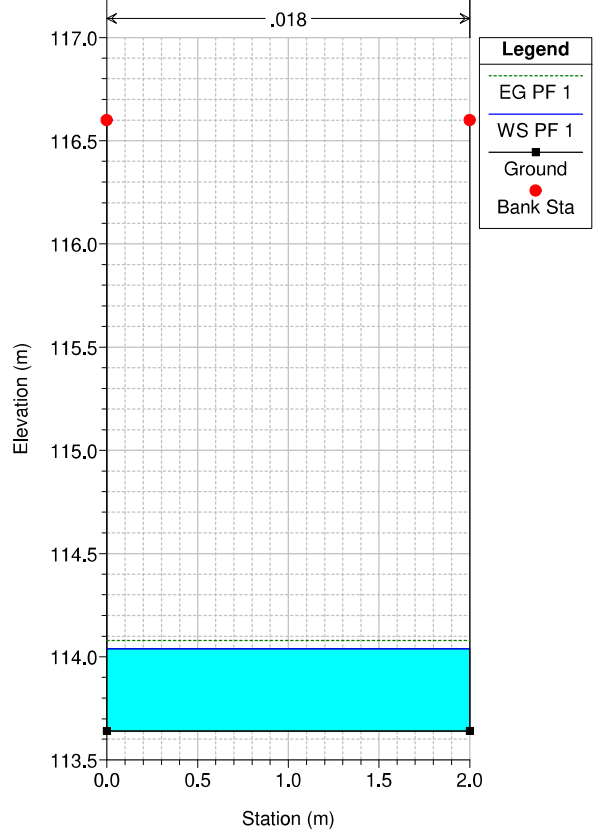
River = RA-RM-RR Reach = Reach 1 RS = 11.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

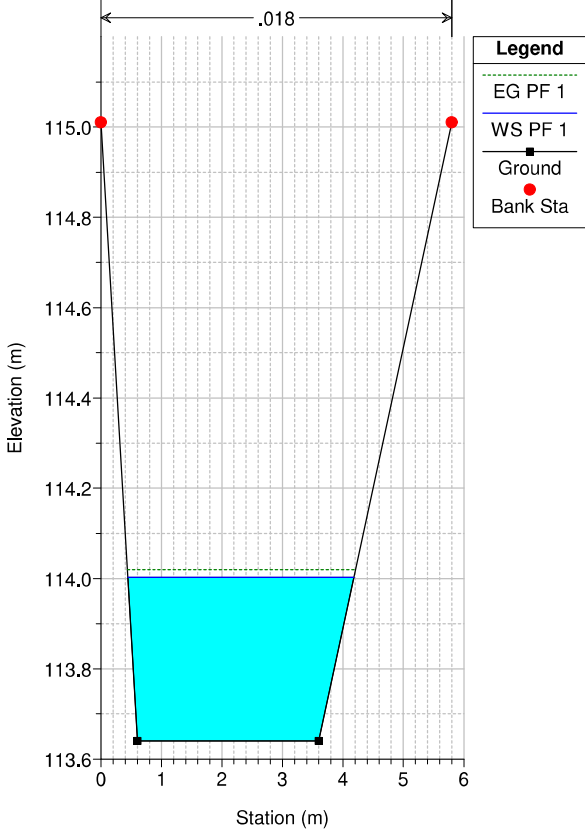
River = RA-RM-RR Reach = Reach 1 RS = 11



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

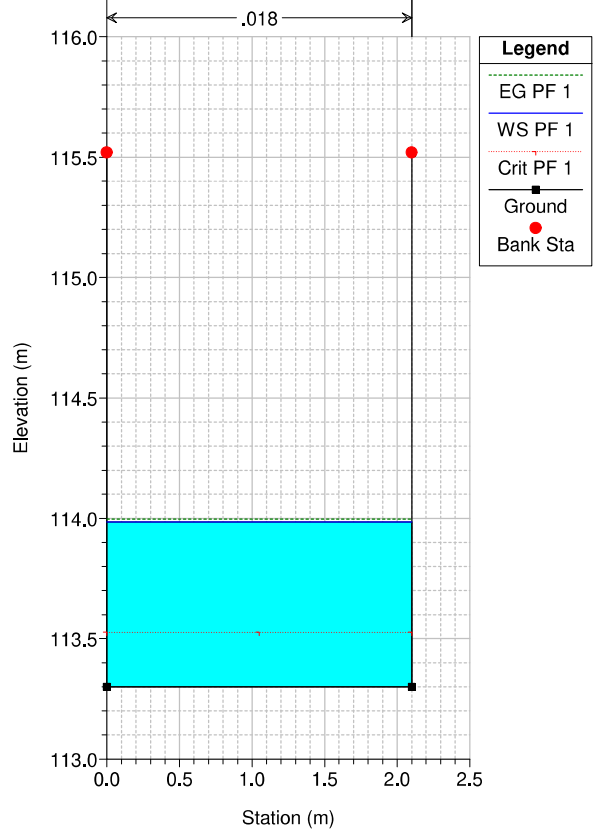
River = RA-RM-RR Reach = Reach 1 RS = 10



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

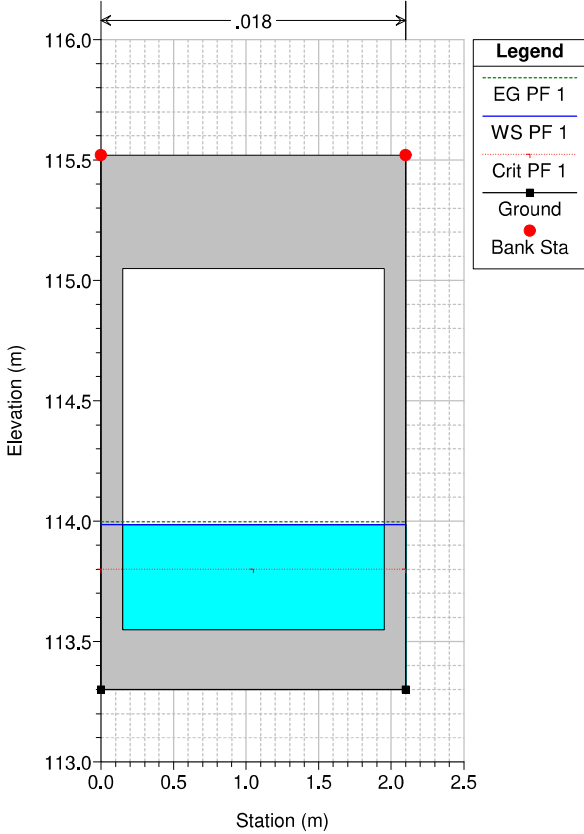
River = RA-RM-RR Reach = Reach 1 RS = 9



### AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

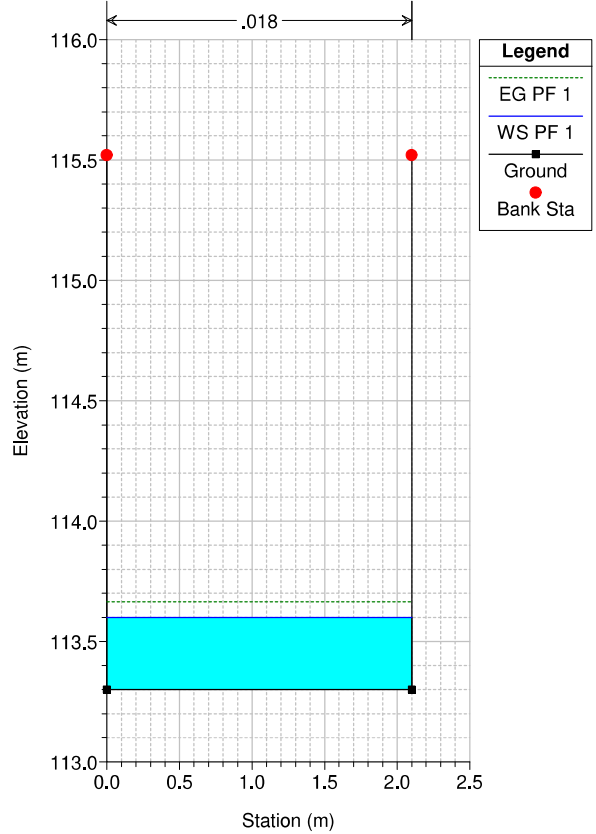
River = RA-RM-RR Reach = Reach 1 RS = 8.1 Culv



### AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

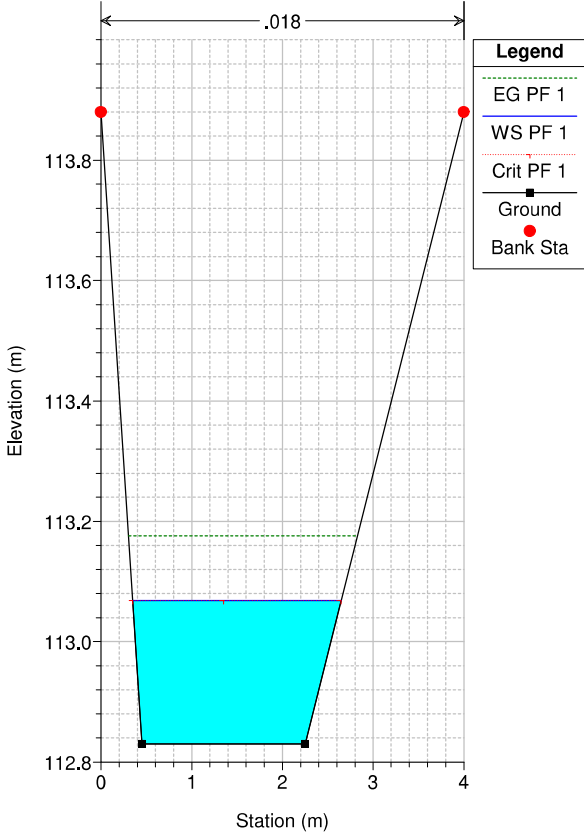
River = RA-RM-RR Reach = Reach 1 RS = 8



### AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

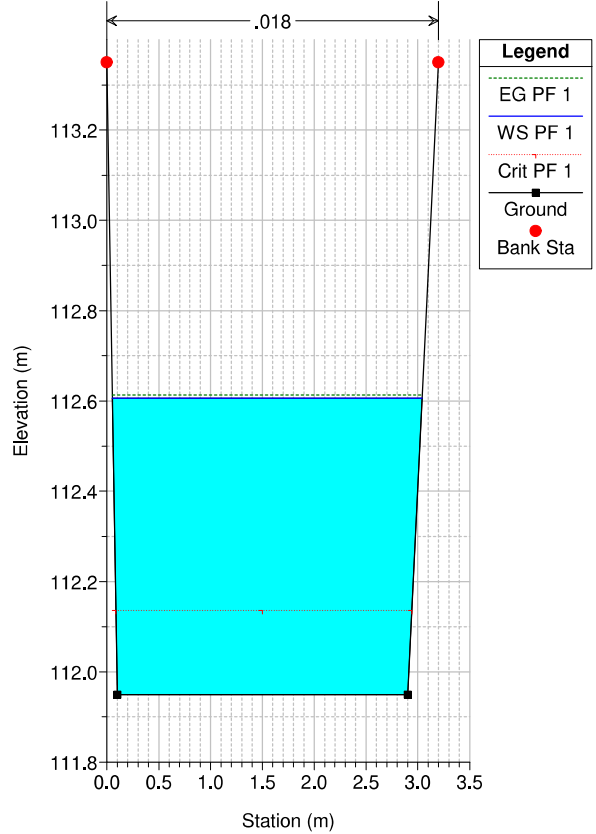
River = RA-RM-RR Reach = Reach 1 RS = 7



### AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

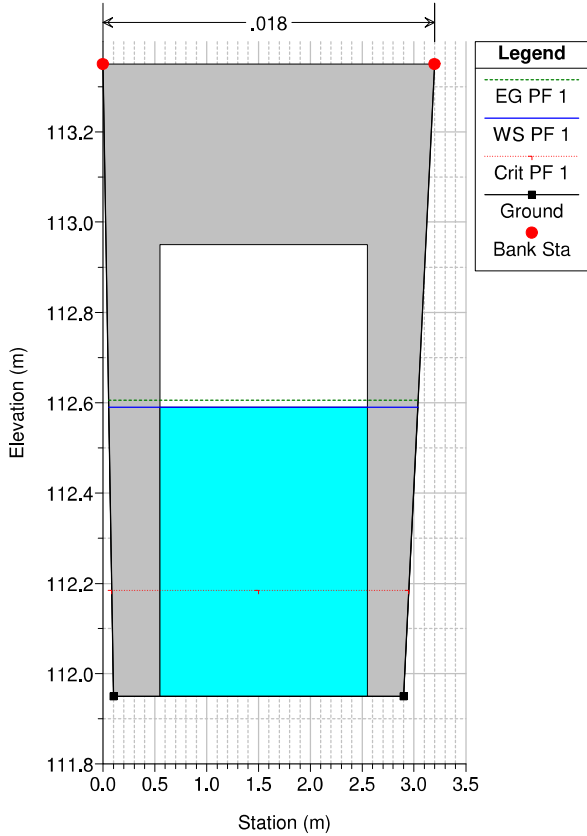
River = RA-RM-RR Reach = Reach 1 RS = 6



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

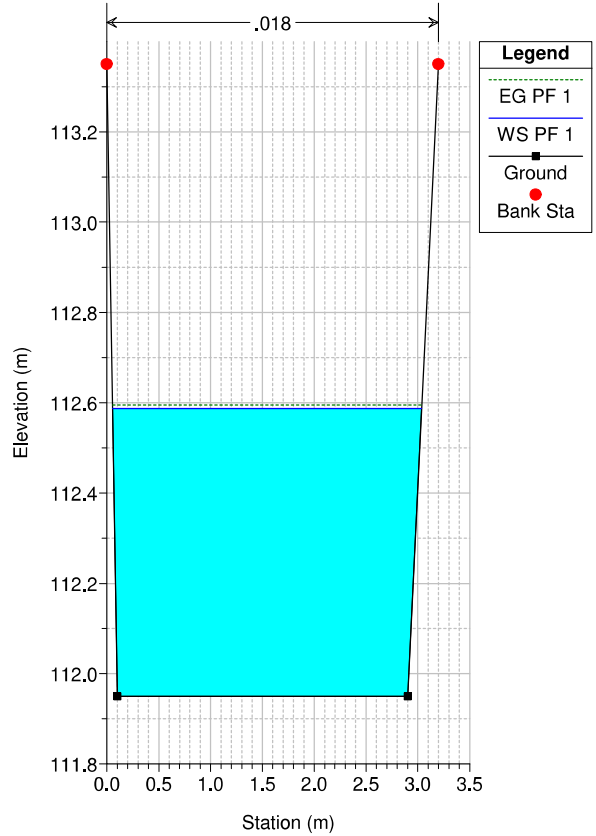
River = RA-RM-RR Reach = Reach 1 RS = 5.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

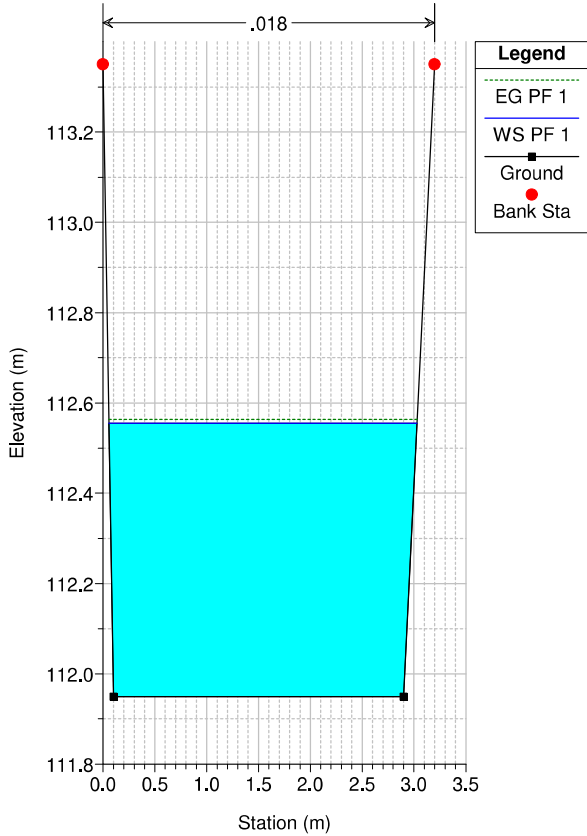
River = RA-RM-RR Reach = Reach 1 RS = 5



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

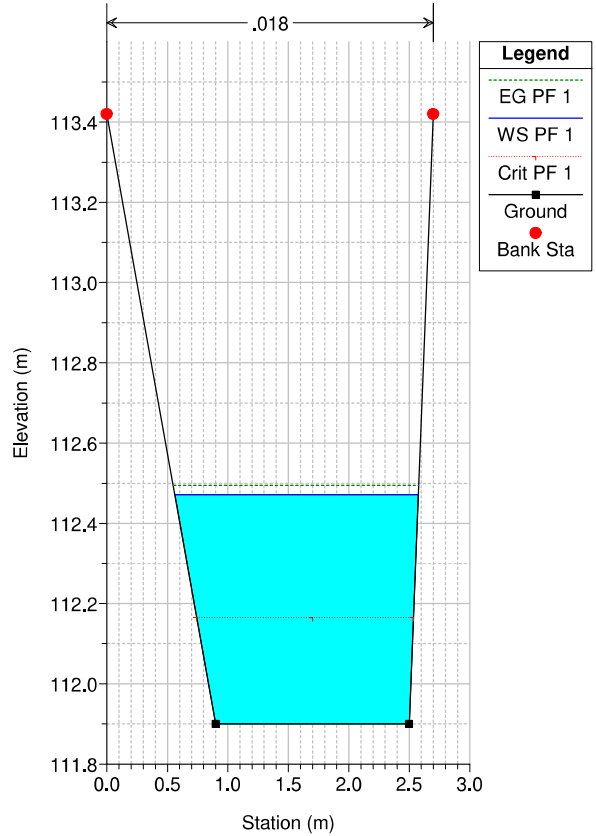
River = RA-RM-RR Reach = Reach 1 RS = 4



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

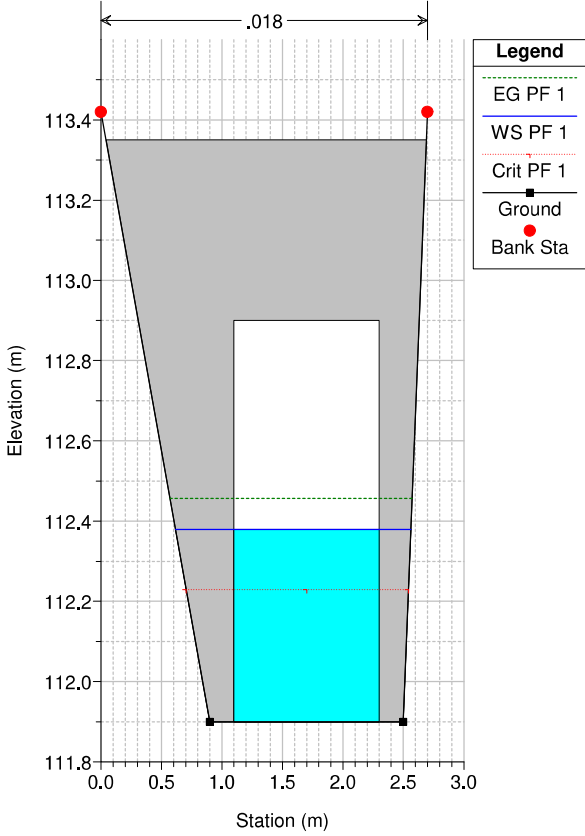
River = RA-RM-RR Reach = Reach 1 RS = 3



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

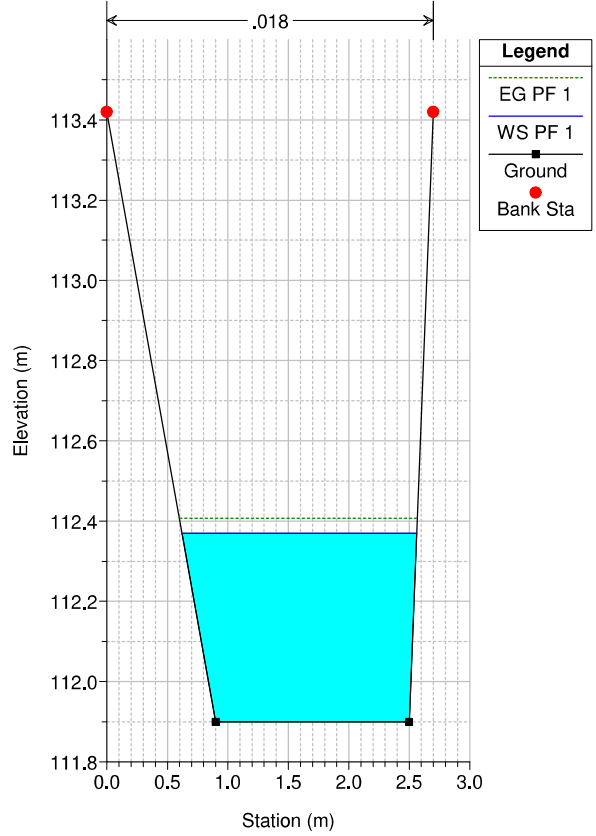
River = RA-RM-RR Reach = Reach 1 RS = 2.1 Culv



AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01

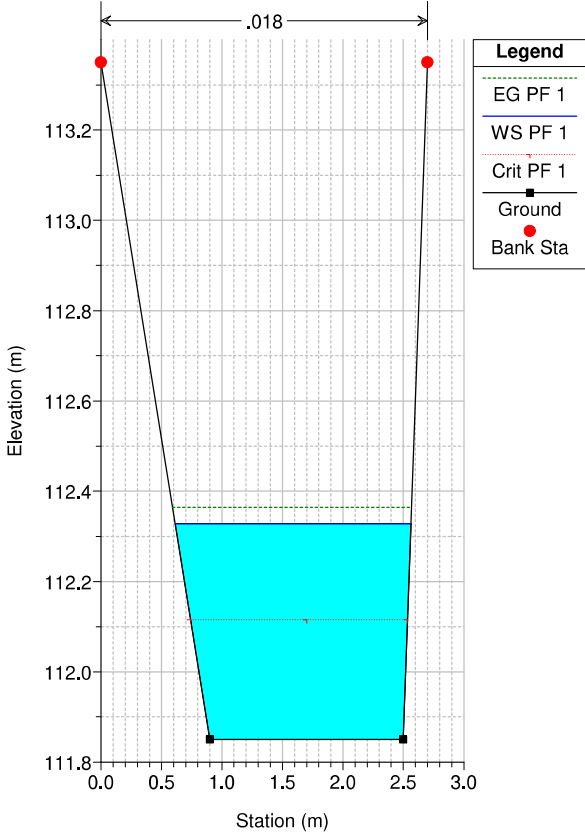
River = RA-RM-RR Reach = Reach 1 RS = 2



AcquabellaMattaRoggione 2025-12 Segrate

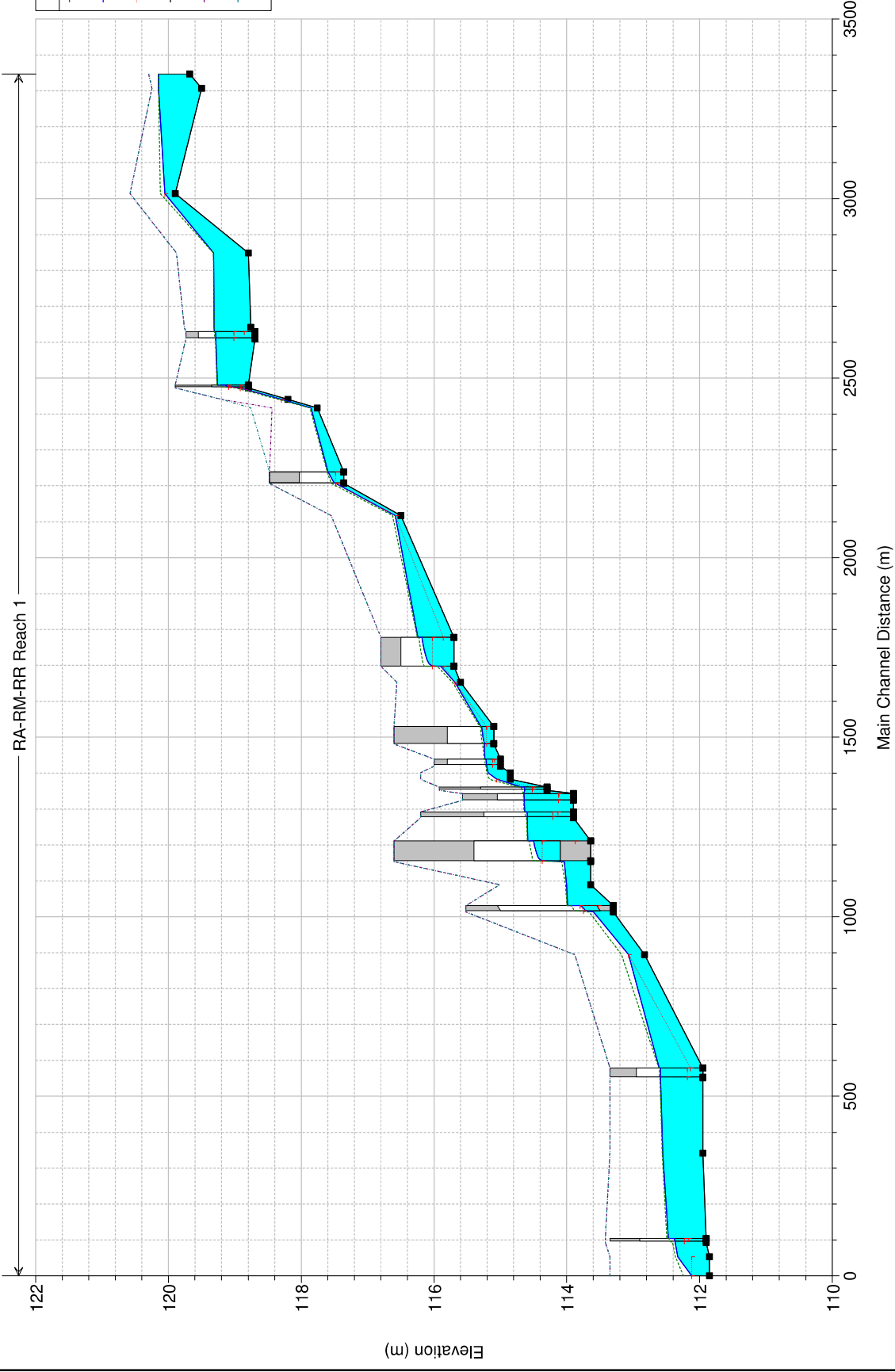
Geom: AcquabellaMattaRoggione Flow: Flow 01

River = RA-RM-RR Reach = Reach 1 RS = 1



# AcquabellaMattaRoggione 2025-12 Segrate

Geom: AcquabellaMattaRoggione Flow: Flow 01



| Legend    |
|-----------|
| EG PF 1   |
| WS PF 1   |
| Crit PF 1 |
| Ground    |
| LOB       |
| ROB       |