

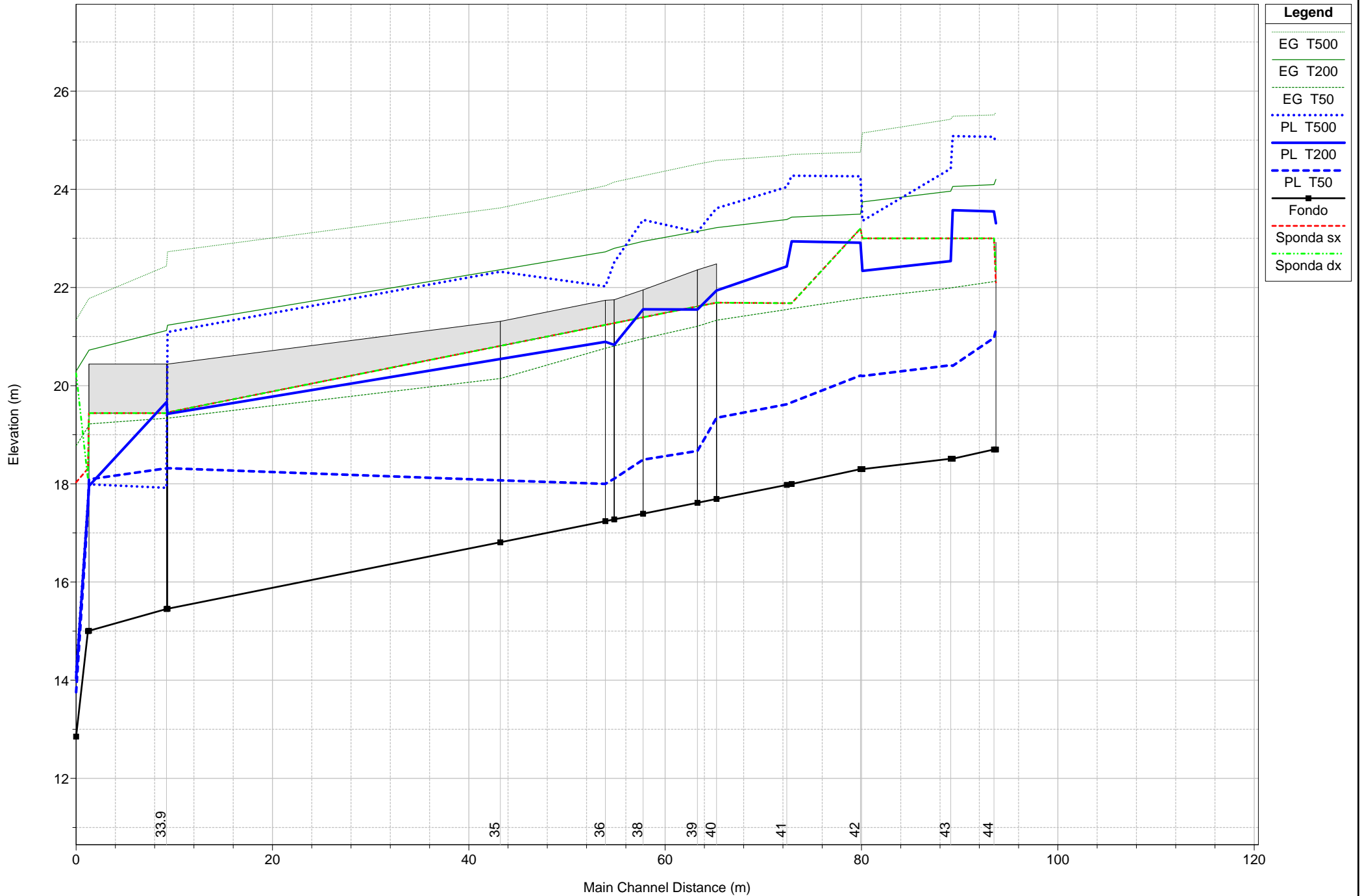
Rio San Giuliano

Tratto di monte: dalla sez. GIU_32 alla GIU_44

Tratto di valle: dalla sez. GIU_1 alla GIU_32

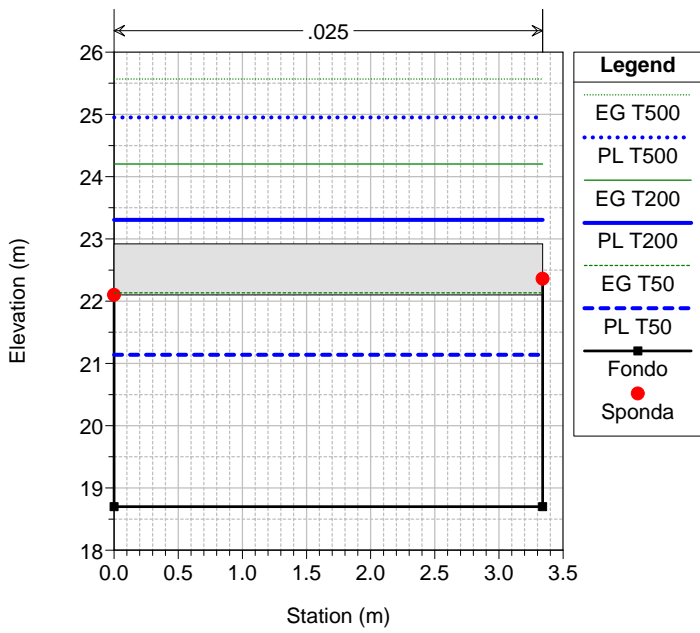
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

SanGiuliano

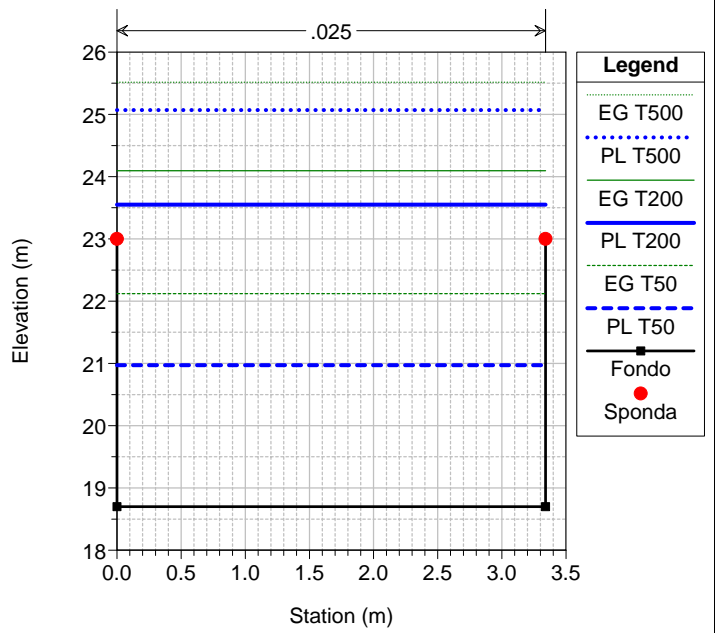


1 cm Horiz. = 5 m 1 cm Vert. = 1 m

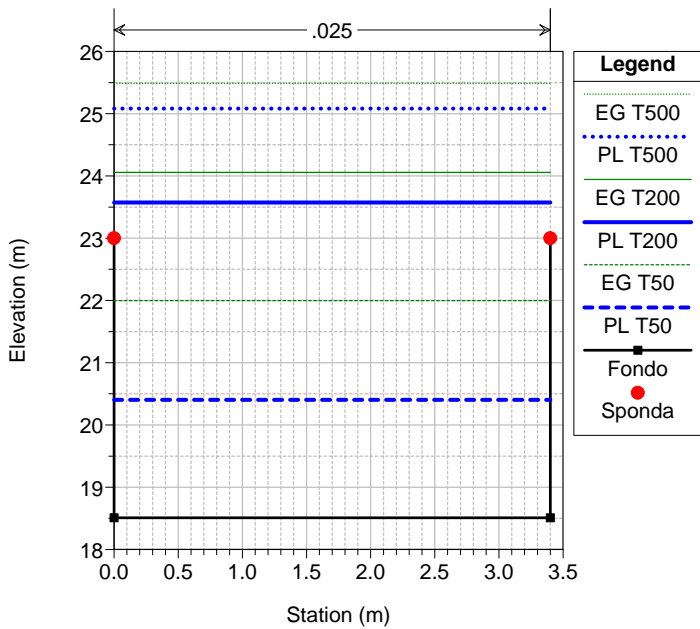
SanGiuliano
RS = 44.1



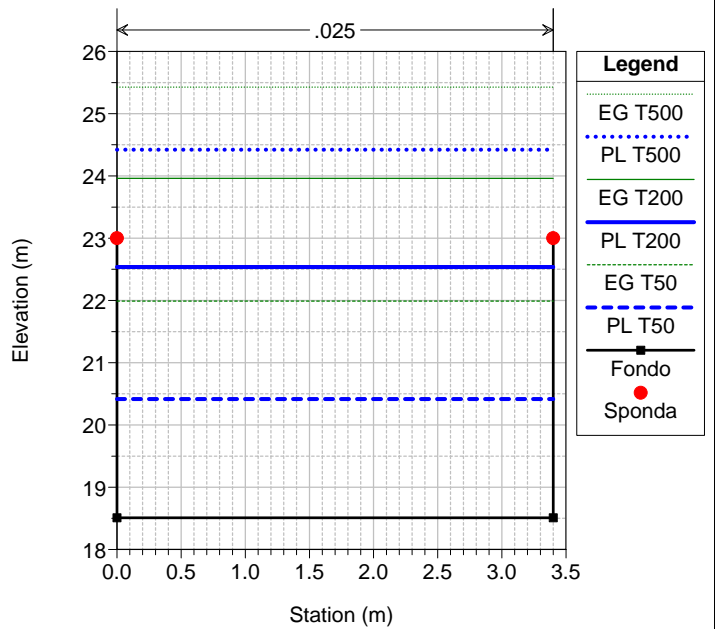
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RS = 44



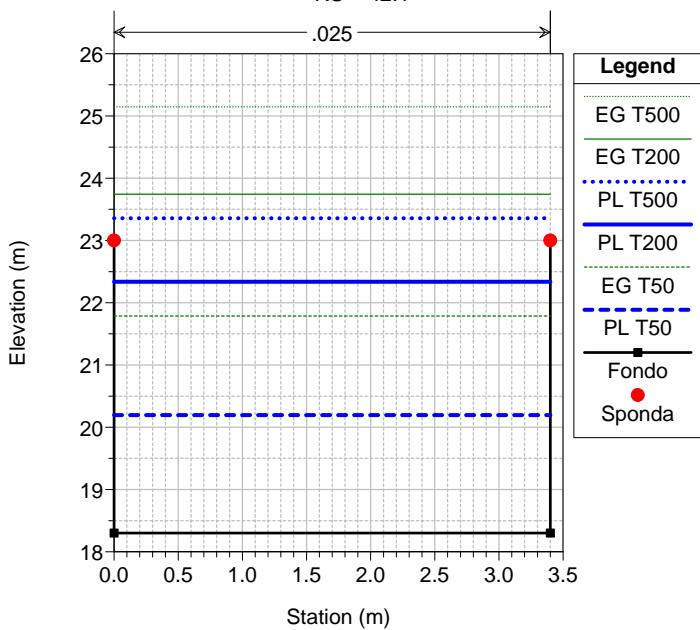
SanGiuliano
RS = 43.1



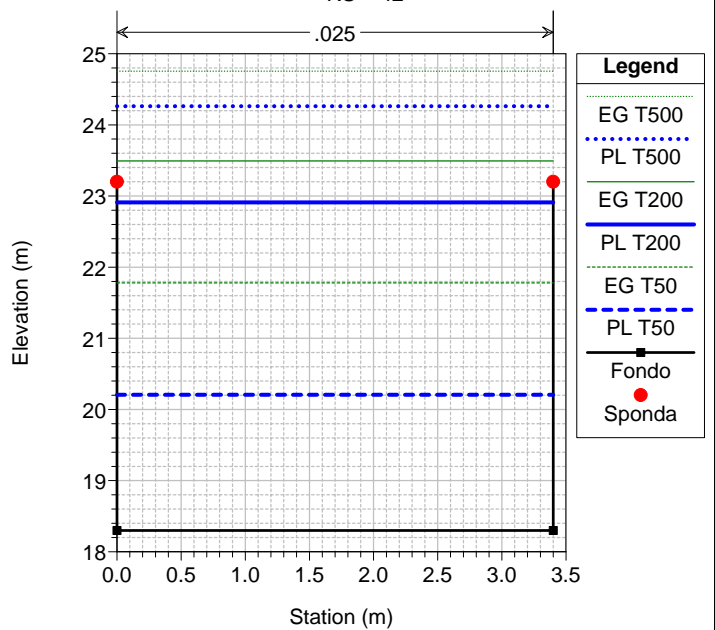
SanGiuliano
RS = 43

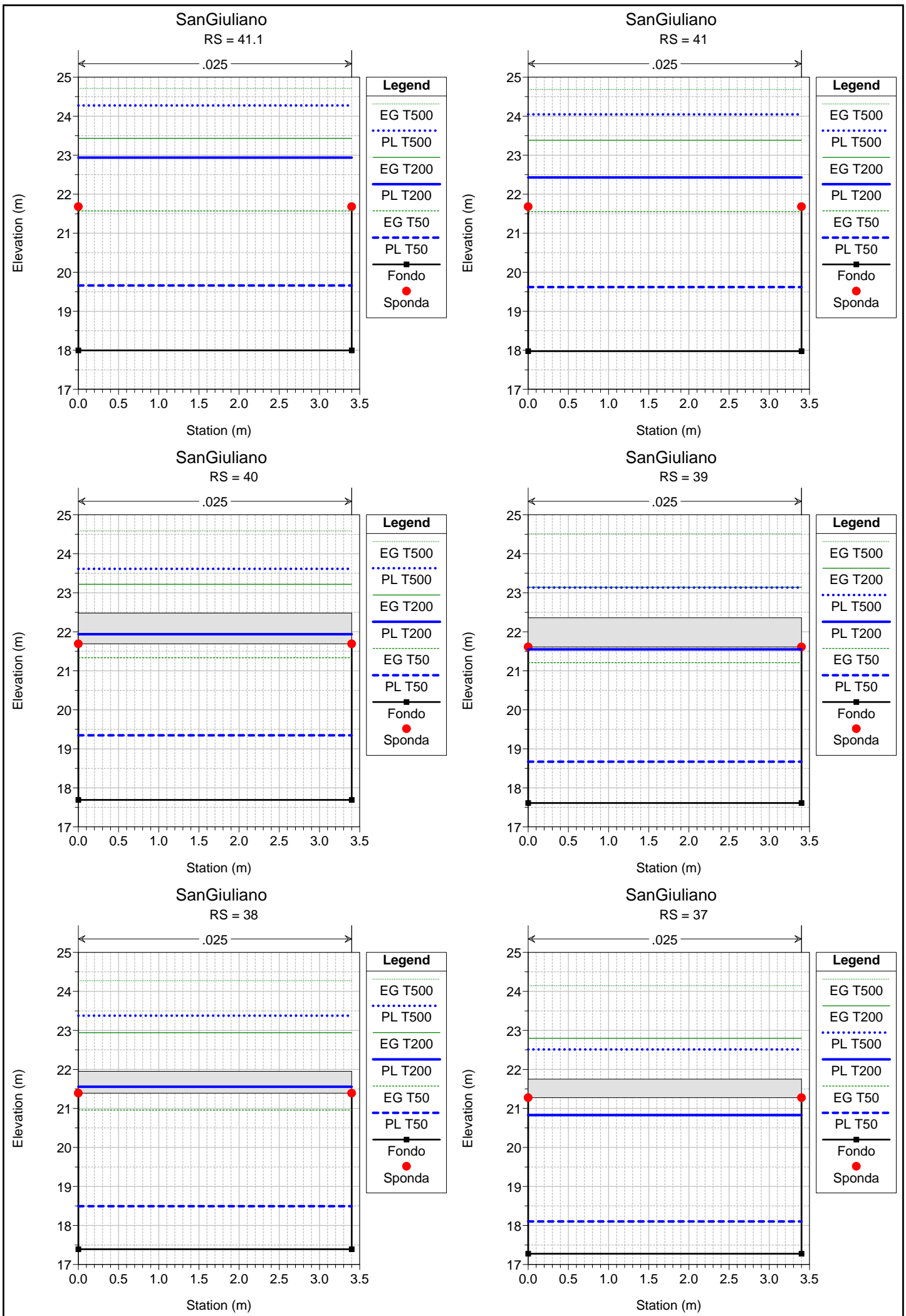


SanGiuliano
RS = 42.1

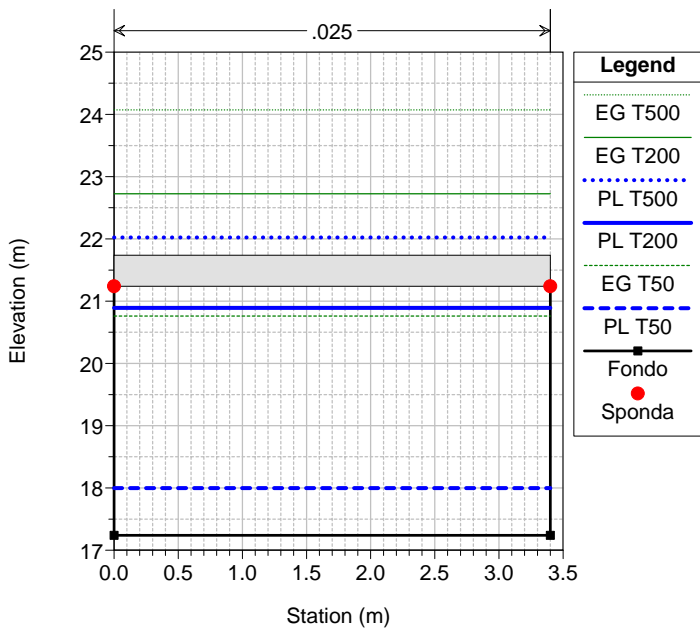


SanGiuliano
RS = 42

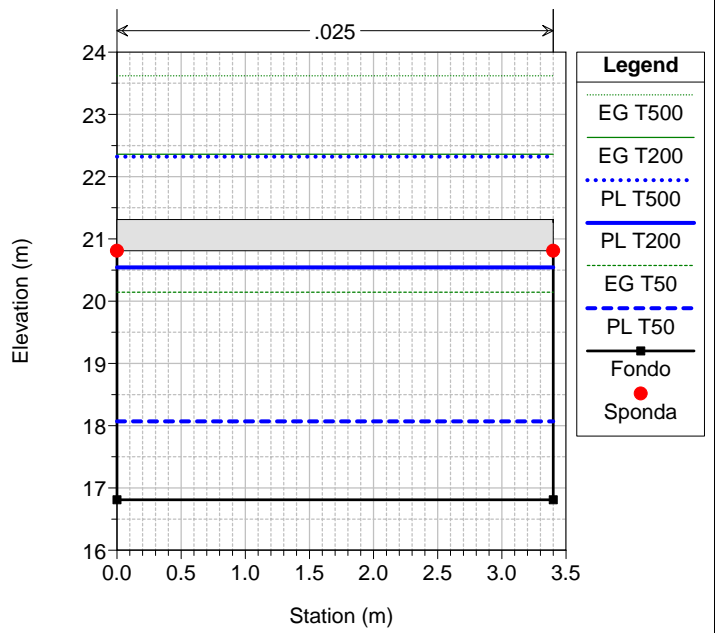




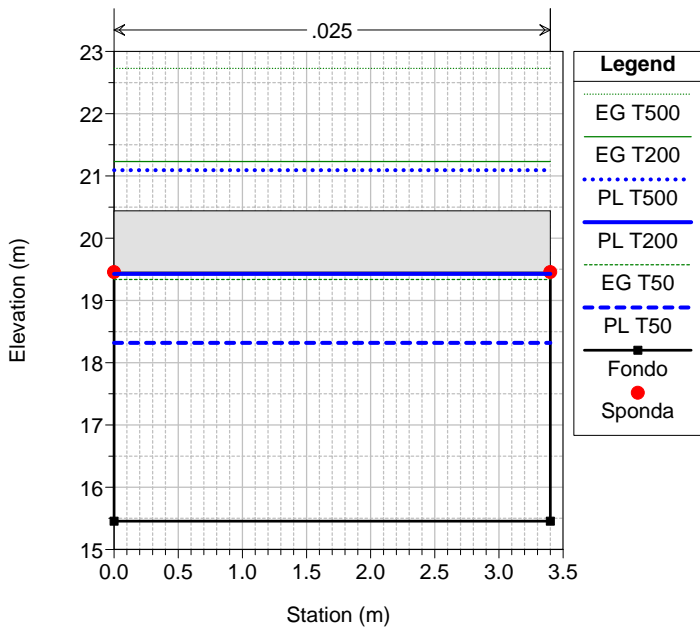
SanGiuliano
RS = 36



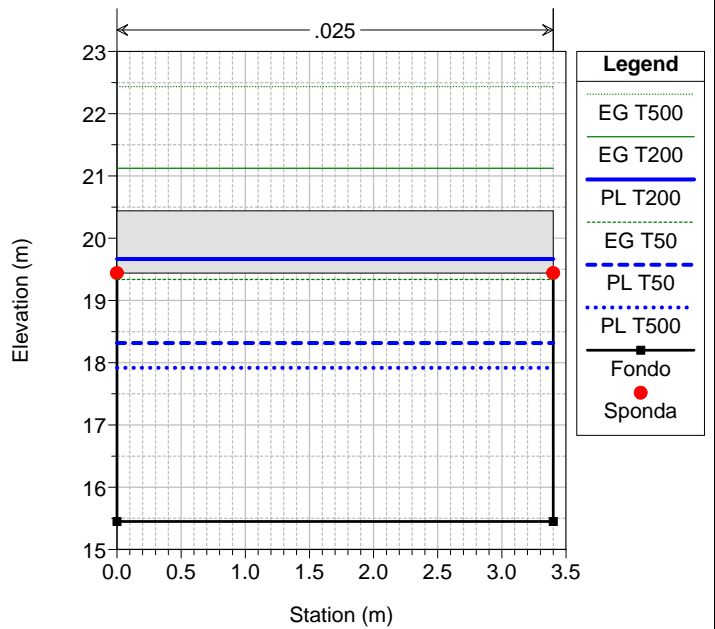
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RS = 35



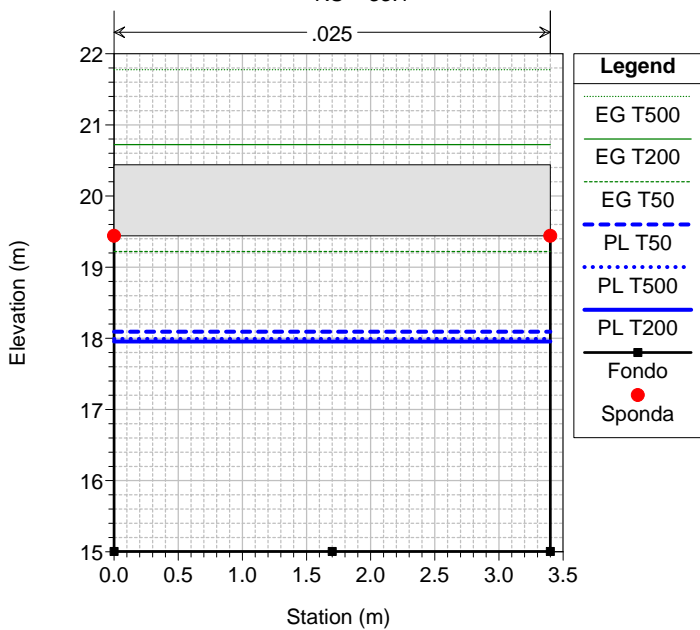
SanGiuliano
RS = 34



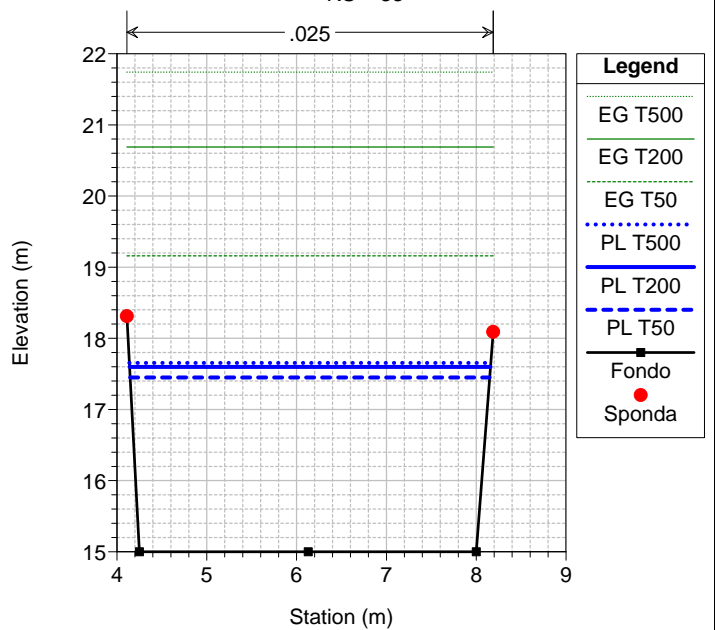
SanGiuliano
RS = 33.9



SanGiuliano
RS = 33.1

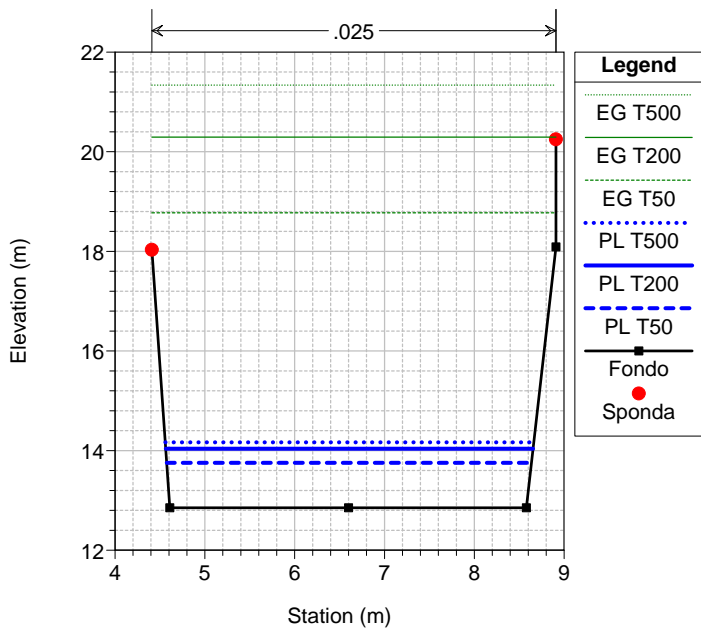


SanGiuliano
RS = 33



SanGiuliano

RS = 32

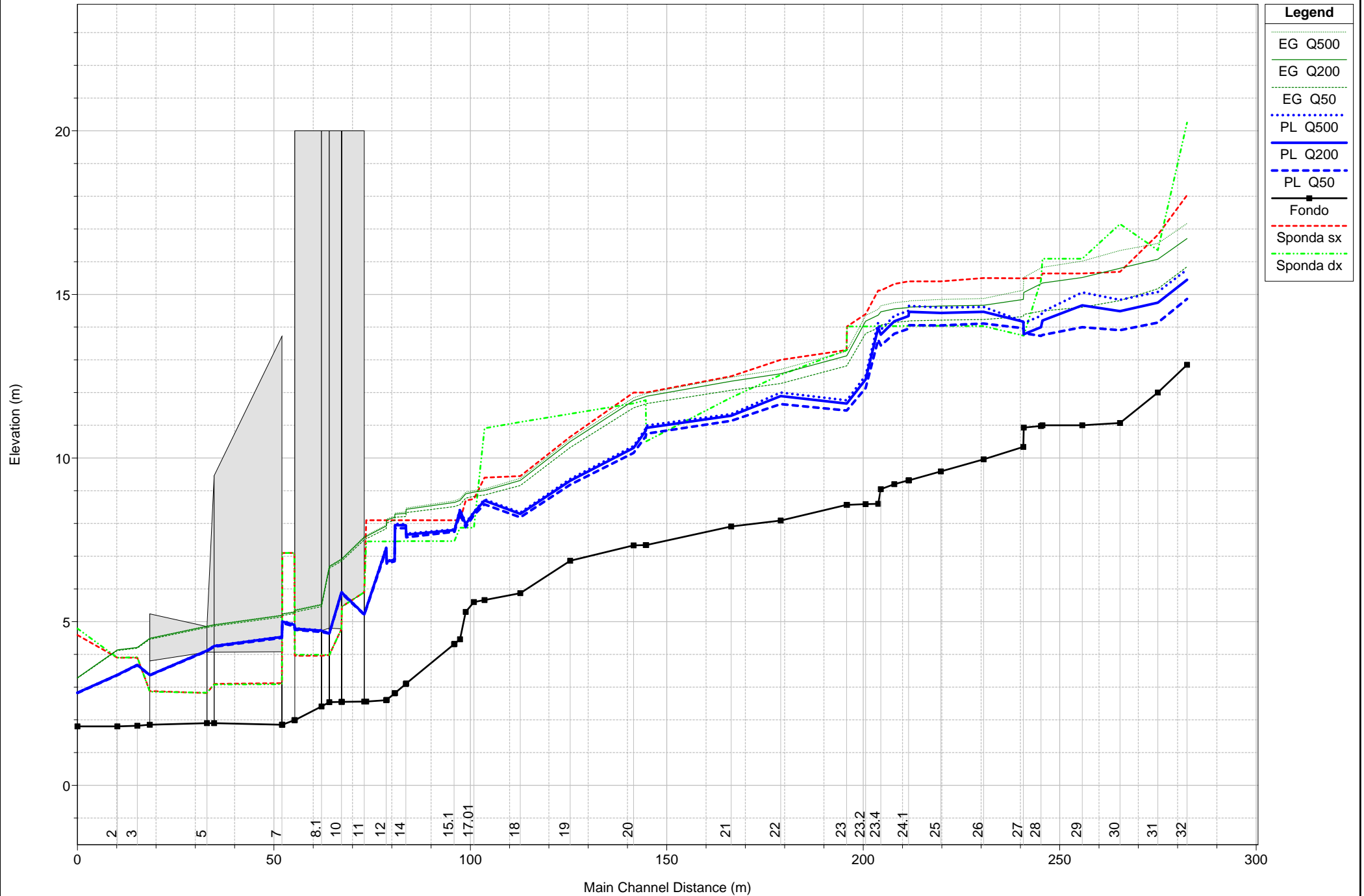


| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | LOB Elev (m) | L. Freeboard (m) | ROB Elev (m) | R. Freeboard (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|--------------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| san Giuliano | 44.1 | T50 | 36.00 | 18.70 | 21.14 | 22.10 | 0.96 | 22.10 | 0.96 | 20.98 | 22.13 | 0.012358 | 4.42 | 8.14 | 3.34 | 0.90 |
| san Giuliano | 44.1 | T200 | 53.00 | 18.70 | 23.31 | 22.10 | -1.21 | 22.10 | -1.21 | 21.65 | 24.20 | 0.016052 | 4.19 | 12.65 | 3.34 | 0.62 |
| san Giuliano | 44.1 | T500 | 63.00 | 18.70 | 24.95 | 22.10 | -2.85 | 22.10 | -2.85 | 22.01 | 25.57 | 0.006812 | 3.47 | 18.14 | 3.34 | 0.44 |
| san Giuliano | 44 | T50 | 36.00 | 18.70 | 20.97 | 22.10 | 1.13 | 22.36 | 1.39 | 20.97 | 22.12 | 0.014794 | 4.74 | 7.59 | 3.34 | 1.00 |
| san Giuliano | 44 | T200 | 53.00 | 18.70 | 23.55 | 22.10 | -1.45 | 22.36 | -1.19 | | 24.10 | 0.005011 | 3.27 | 16.20 | 3.34 | 0.47 |
| san Giuliano | 44 | T500 | 63.00 | 18.70 | 25.07 | 22.10 | -2.97 | 22.36 | -2.71 | | 25.52 | 0.003775 | 2.96 | 21.27 | 3.34 | 0.37 |
| san Giuliano | 43.1 | T50 | 36.00 | 18.51 | 20.40 | 22.10 | 1.70 | 22.10 | 1.70 | 20.76 | 22.00 | 0.022604 | 5.59 | 6.44 | 3.40 | 1.30 |
| san Giuliano | 43.1 | T200 | 53.00 | 18.51 | 23.57 | 22.10 | -1.47 | 22.10 | -1.47 | | 24.06 | 0.004293 | 3.08 | 17.22 | 3.40 | 0.44 |
| san Giuliano | 43.1 | T500 | 63.00 | 18.51 | 25.08 | 22.10 | -2.98 | 22.10 | -2.98 | | 25.49 | 0.003327 | 2.82 | 22.35 | 3.40 | 0.35 |
| san Giuliano | 43 | T50 | 36.00 | 18.51 | 20.42 | 21.46 | 1.04 | 21.46 | 1.04 | 20.76 | 21.99 | 0.022257 | 5.56 | 6.48 | 3.40 | 1.29 |
| san Giuliano | 43 | T200 | 53.00 | 18.51 | 22.54 | 21.46 | -1.08 | 21.46 | -1.08 | 21.43 | 23.96 | 0.023901 | 5.28 | 10.03 | | 0.84 |
| san Giuliano | 43 | T500 | 63.00 | 18.51 | 24.42 | 21.46 | -2.96 | 21.46 | -2.96 | 21.46 | 25.43 | 0.014611 | 4.44 | 14.18 | 3.40 | 0.58 |
| san Giuliano | 42.1 | T50 | 36.00 | 18.30 | 20.20 | 21.27 | 1.07 | 21.27 | 1.07 | 20.55 | 21.79 | 0.022565 | 5.59 | 6.45 | 3.40 | 1.30 |
| san Giuliano | 42.1 | T200 | 53.00 | 18.30 | 22.34 | 21.27 | -1.07 | 21.27 | -1.07 | 21.21 | 23.74 | 0.023471 | 5.25 | 10.10 | | 0.83 |
| san Giuliano | 42.1 | T500 | 63.00 | 18.30 | 23.36 | 21.27 | -2.09 | 21.27 | -2.09 | 21.27 | 25.15 | 0.038290 | 5.93 | 10.63 | 3.40 | 0.84 |
| san Giuliano | 42 | T50 | 36.00 | 18.30 | 20.21 | 23.20 | 2.99 | 23.20 | 2.99 | 20.55 | 21.78 | 0.022217 | 5.55 | 6.48 | 3.40 | 1.28 |
| san Giuliano | 42 | T200 | 53.00 | 18.30 | 22.91 | 23.20 | 0.29 | 23.20 | 0.29 | | 23.49 | 0.005348 | 3.38 | 15.68 | 3.40 | 0.50 |
| san Giuliano | 42 | T500 | 63.00 | 18.30 | 24.26 | 23.20 | -1.06 | 23.20 | -1.06 | | 24.76 | 0.004155 | 3.11 | 20.28 | 3.40 | 0.41 |
| san Giuliano | 41.1 | T50 | 36.00 | 17.93 | 19.66 | 21.68 | 2.02 | 21.68 | 2.02 | 20.18 | 21.57 | 0.028739 | 6.12 | 5.88 | 3.40 | 1.49 |
| san Giuliano | 41.1 | T200 | 53.00 | 17.93 | 22.94 | 21.68 | -1.26 | 21.68 | -1.26 | | 23.43 | 0.004404 | 3.11 | 17.03 | 3.40 | 0.44 |
| san Giuliano | 41.1 | T500 | 63.00 | 17.93 | 24.28 | 21.68 | -2.60 | 21.68 | -2.60 | | 24.71 | 0.003603 | 2.92 | 21.58 | 3.40 | 0.37 |
| san Giuliano | 41 | T50 | 36.00 | 17.90 | 19.62 | 20.76 | 1.14 | 20.76 | 1.14 | 20.15 | 21.55 | 0.029168 | 6.15 | 5.85 | 3.40 | 1.50 |
| san Giuliano | 41 | T200 | 53.00 | 17.90 | 22.43 | 20.76 | -1.67 | 20.76 | -1.67 | 20.76 | 23.38 | 0.016568 | 4.32 | 12.26 | 3.40 | 0.65 |
| san Giuliano | 41 | T500 | 63.00 | 17.90 | 24.05 | 20.76 | -3.29 | 20.76 | -3.29 | 22.10 | 24.69 | 0.006812 | 3.55 | 17.75 | 3.40 | 0.46 |
| san Giuliano | 40 | T50 | 36.00 | 17.65 | 19.35 | 20.76 | 1.41 | 20.76 | 1.41 | 19.90 | 21.33 | 0.030306 | 6.24 | 5.77 | 3.40 | 1.53 |
| san Giuliano | 40 | T200 | 53.00 | 17.65 | 21.94 | 20.76 | -1.18 | 20.76 | -1.18 | 20.56 | 23.22 | 0.020724 | 5.01 | 10.57 | | 0.77 |
| san Giuliano | 40 | T500 | 63.00 | 17.65 | 23.62 | 20.76 | -2.86 | 20.76 | -2.86 | 20.76 | 24.59 | 0.014140 | 4.36 | 14.43 | 3.40 | 0.57 |
| san Giuliano | 39 | T50 | 36.00 | 17.17 | 18.67 | 19.96 | 1.29 | 19.96 | 1.29 | 19.42 | 21.21 | 0.042105 | 7.06 | 5.10 | 3.40 | 1.84 |
| san Giuliano | 39 | T200 | 53.00 | 17.17 | 21.55 | 19.96 | -1.59 | 19.96 | -1.59 | 19.96 | 23.14 | 0.027821 | 5.59 | 9.49 | | 0.85 |
| san Giuliano | 39 | T500 | 63.00 | 17.17 | 23.13 | 19.96 | -3.17 | 19.96 | -3.17 | 19.96 | 24.51 | 0.024060 | 5.20 | 12.11 | 3.40 | 0.68 |
| san Giuliano | 38 | T50 | 36.00 | 16.97 | 18.49 | 19.96 | 1.47 | 19.96 | 1.47 | 19.22 | 20.96 | 0.040493 | 6.95 | 5.18 | 3.40 | 1.80 |
| san Giuliano | 38 | T200 | 53.00 | 16.97 | 21.55 | 19.96 | -1.59 | 19.96 | -1.59 | 19.88 | 22.94 | 0.023046 | 5.21 | 10.17 | | 0.78 |
| san Giuliano | 38 | T500 | 63.00 | 16.97 | 23.38 | 19.96 | -3.42 | 19.96 | -3.42 | 19.96 | 24.27 | 0.012144 | 4.19 | 15.02 | 3.40 | 0.53 |
| san Giuliano | 37 | T50 | 36.00 | 16.65 | 18.10 | 19.16 | 1.06 | 19.16 | 1.06 | 18.90 | 20.81 | 0.045891 | 7.28 | 4.94 | 3.40 | 1.93 |
| san Giuliano | 37 | T200 | 53.00 | 16.65 | 20.83 | 19.16 | -1.67 | 19.16 | -1.67 | 19.16 | 22.80 | 0.037215 | 6.21 | 8.53 | | 0.97 |
| san Giuliano | 37 | T500 | 63.00 | 16.65 | 22.51 | 19.16 | -3.35 | 19.16 | -3.35 | 22.51 | 24.15 | 0.030428 | 5.66 | 11.13 | 3.40 | 0.75 |
| san Giuliano | 36 | T50 | 36.00 | 16.56 | 18.00 | 19.16 | 1.16 | 19.16 | 1.16 | 18.81 | 20.76 | 0.047219 | 7.36 | 4.89 | 3.40 | 1.96 |

HEC-RAS Plan: ATT-MONTE River: san Giuliano Reach: san Giuliano (Continued)

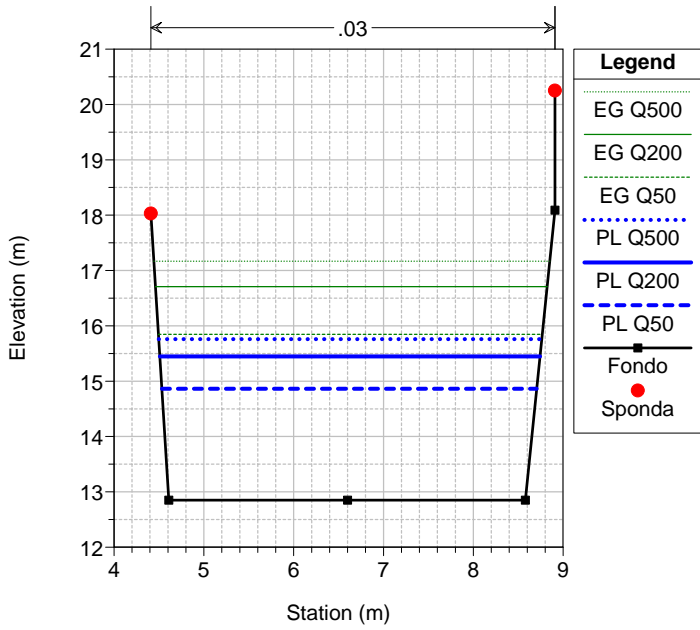
| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | LOB Elev (m) | L. Freeboard (m) | ROB Elev (m) | R. Freeboard (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|--------------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| san Giuliano | 36 | T200 | 53.00 | 16.56 | 20.89 | 19.16 | -1.73 | 19.16 | -1.73 | 19.16 | 22.72 | 0.033768 | 6.00 | 8.84 | | 0.92 |
| san Giuliano | 36 | T500 | 63.00 | 16.56 | 22.02 | 19.16 | -2.86 | 19.16 | -2.86 | 22.37 | 24.07 | 0.045088 | 6.34 | 9.93 | 3.40 | 0.87 |
| san Giuliano | 35 | T50 | 36.00 | 16.41 | 18.07 | 19.02 | 0.95 | 19.02 | 0.95 | 18.66 | 20.14 | 0.032100 | 6.38 | 5.64 | 3.40 | 1.58 |
| san Giuliano | 35 | T200 | 53.00 | 16.41 | 20.54 | 19.02 | -1.52 | 19.02 | -1.52 | 19.02 | 22.36 | 0.033411 | 5.97 | 8.87 | | 0.94 |
| san Giuliano | 35 | T500 | 63.00 | 16.41 | 22.32 | 19.02 | -3.30 | 19.02 | -3.30 | 21.92 | 23.62 | 0.021091 | 5.05 | 12.48 | 3.40 | 0.66 |
| san Giuliano | 34 | T50 | 36.00 | 15.95 | 18.32 | 18.57 | 0.25 | 18.57 | 0.25 | 18.20 | 19.34 | 0.012669 | 4.47 | 8.05 | 3.40 | 0.93 |
| san Giuliano | 34 | T200 | 53.00 | 15.95 | 19.43 | 18.57 | -0.86 | 18.57 | -0.86 | 18.57 | 21.23 | 0.033059 | 5.95 | 8.91 | | 1.02 |
| san Giuliano | 34 | T500 | 63.00 | 15.95 | 21.09 | 18.57 | -2.52 | 18.57 | -2.52 | 21.09 | 22.73 | 0.031021 | 5.66 | 11.13 | 3.40 | 0.80 |
| san Giuliano | 33.9 | T50 | 36.00 | 15.95 | 18.32 | 18.57 | 0.25 | 18.57 | 0.25 | 18.20 | 19.34 | 0.012704 | 4.48 | 8.04 | 3.40 | 0.93 |
| san Giuliano | 33.9 | T200 | 53.00 | 15.95 | 19.67 | 18.57 | -1.10 | 18.57 | -1.10 | 19.67 | 21.12 | 0.032273 | 5.35 | 9.91 | 3.40 | 0.89 |
| san Giuliano | 33.9 | T500 | 63.00 | 15.95 | 17.92 | 18.57 | 0.65 | 18.57 | 0.65 | 20.02 | 22.43 | 0.062564 | 9.41 | 6.69 | 3.40 | 2.14 |
| san Giuliano | 33.1 | T50 | 36.00 | 15.84 | 18.09 | 18.40 | 0.31 | 18.40 | 0.31 | 18.09 | 19.22 | 0.014408 | 4.70 | 7.66 | 3.40 | 1.00 |
| san Giuliano | 33.1 | T200 | 53.00 | 15.84 | 17.96 | 18.40 | 0.44 | 18.40 | 0.44 | 19.15 | 20.72 | 0.036678 | 7.37 | 7.20 | 3.40 | 1.62 |
| san Giuliano | 33.1 | T500 | 63.00 | 15.84 | 17.99 | 18.40 | 0.41 | 18.40 | 0.41 | 19.51 | 21.78 | 0.049709 | 8.62 | 7.31 | 3.40 | 1.88 |
| san Giuliano | 33 | T50 | 36.00 | 15.84 | 17.45 | 18.31 | 0.86 | 18.09 | 0.64 | 17.92 | 19.16 | 0.024407 | 5.79 | 6.22 | 3.98 | 1.48 |
| san Giuliano | 33 | T200 | 53.00 | 15.84 | 17.60 | 18.31 | 0.71 | 18.09 | 0.49 | 18.52 | 20.69 | 0.041377 | 7.79 | 6.81 | 4.00 | 1.91 |
| san Giuliano | 33 | T500 | 63.00 | 15.84 | 17.65 | 18.31 | 0.66 | 18.09 | 0.43 | 18.83 | 21.74 | 0.053443 | 8.95 | 7.04 | 4.01 | 2.16 |
| san Giuliano | 32 | T50 | 36.00 | 12.85 | 13.75 | 18.03 | 4.28 | 20.25 | 6.50 | 14.86 | 18.77 | 0.114454 | 9.92 | 3.63 | 4.06 | 3.35 |
| san Giuliano | 32 | T200 | 53.00 | 12.85 | 14.04 | 18.03 | 3.99 | 20.25 | 6.21 | 15.44 | 20.29 | 0.111839 | 11.08 | 4.78 | 4.09 | 3.27 |
| san Giuliano | 32 | T500 | 63.00 | 12.85 | 14.17 | 18.03 | 3.86 | 20.25 | 6.08 | 15.75 | 21.34 | 0.117603 | 11.86 | 5.31 | 4.10 | 3.33 |

SanGiuliano

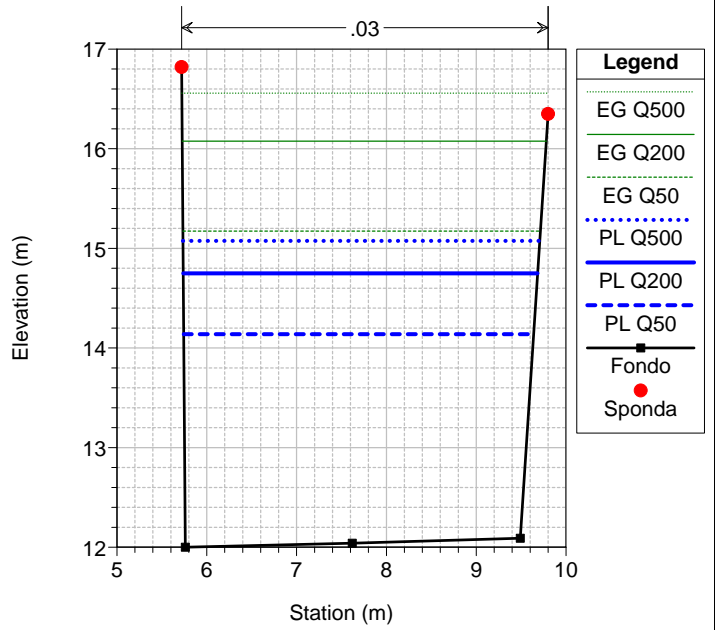


1 cm Horiz. = 12.5 m 1 cm Vert. = 1.5 m

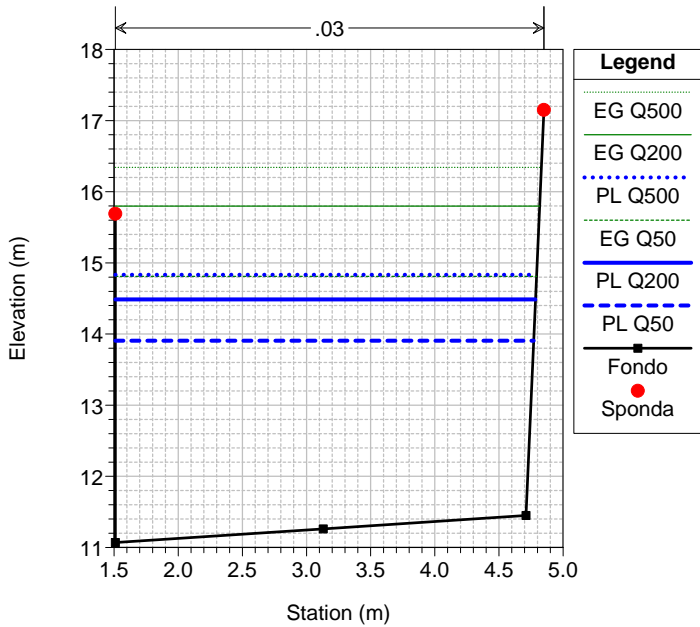
SanGiuliano
RS = 32



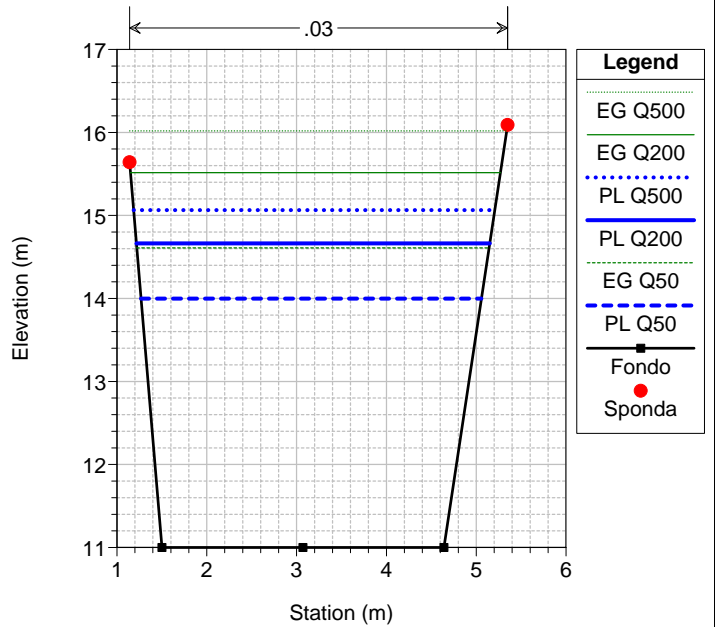
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RS = 31



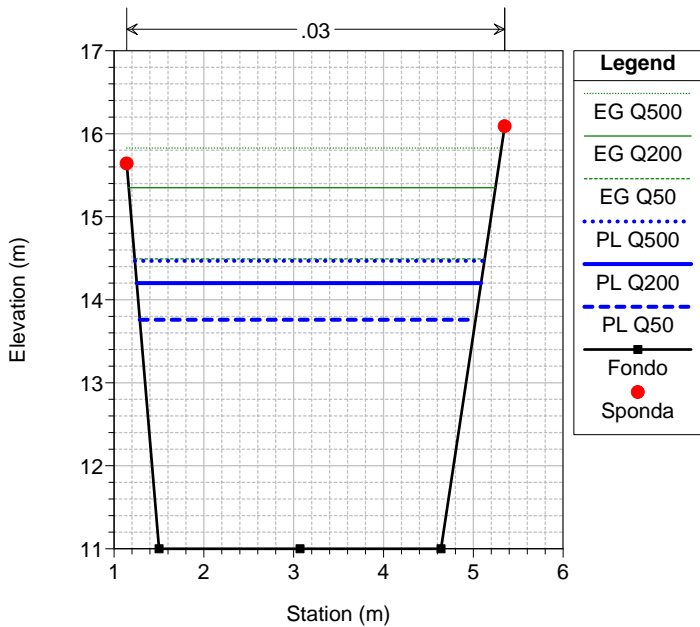
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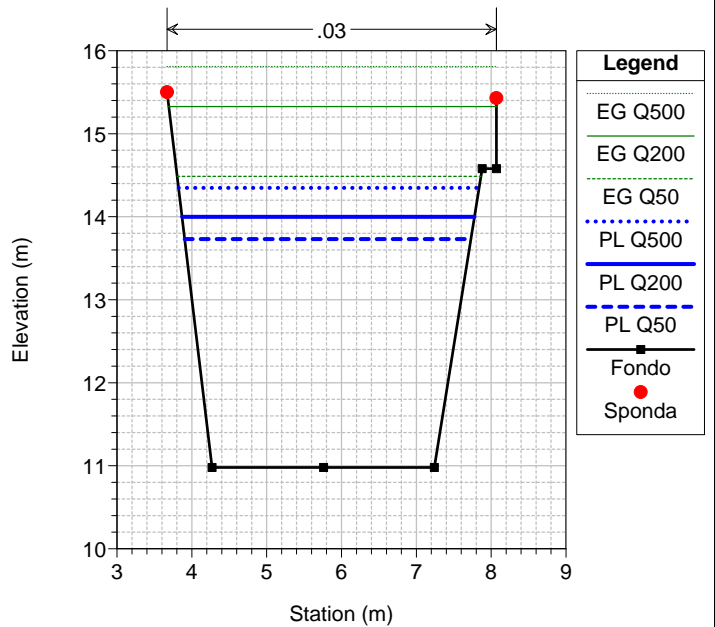
SanGiuliano
RS = 29



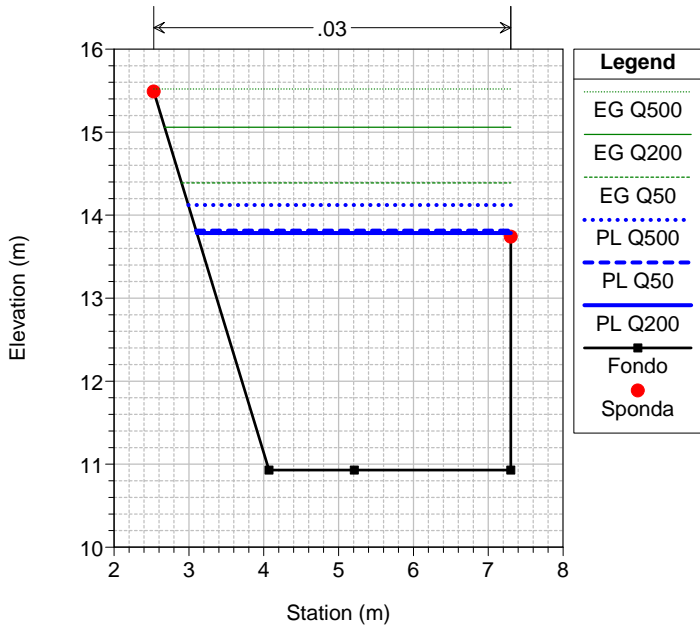
SanGiuliano
RS = 28.1



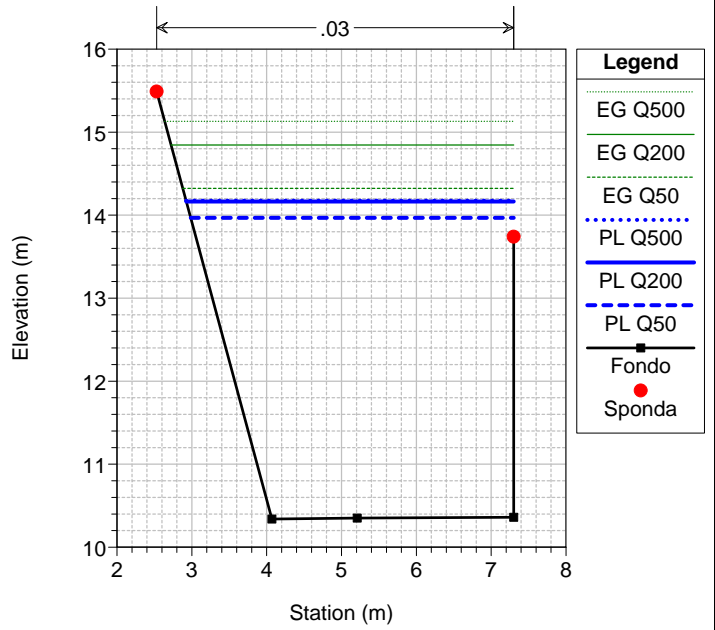
SanGiuliano
RS = 28



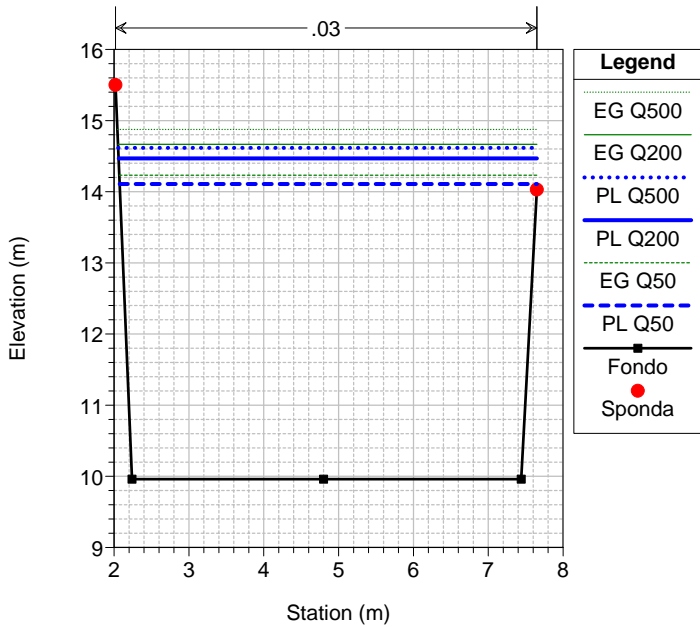
SanGiuliano
RS = 27.1



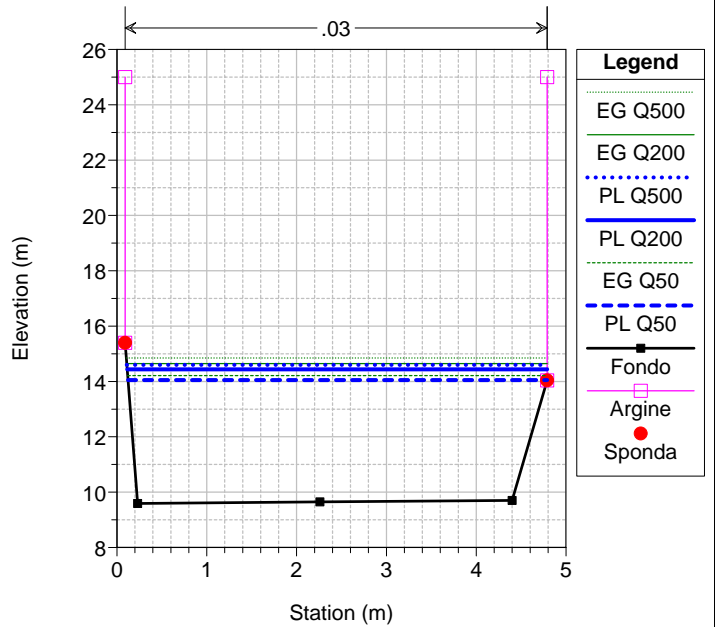
SanGiuliano
RS = 27



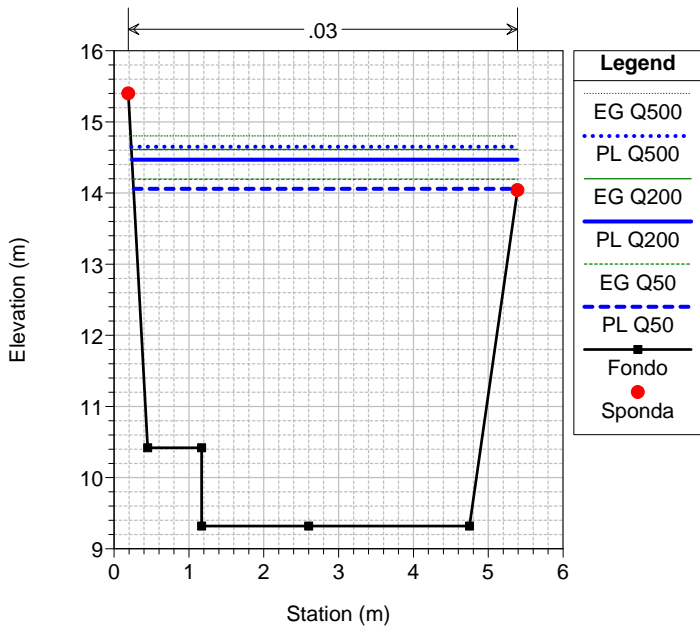
SanGiuliano
RS = 26



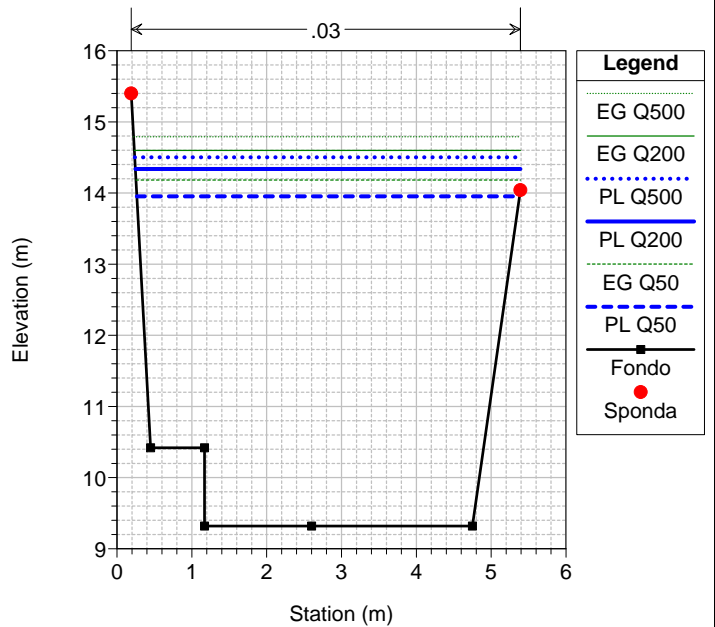
SanGiuliano
RS = 25

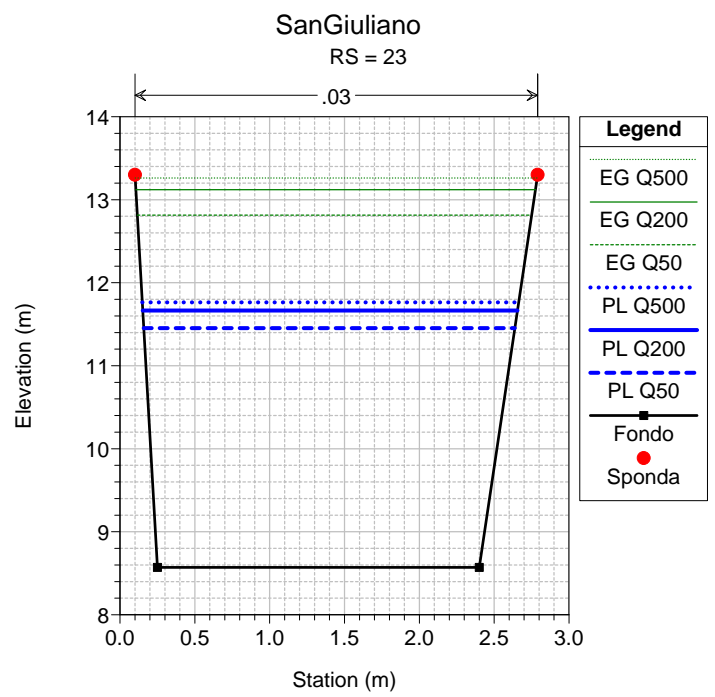
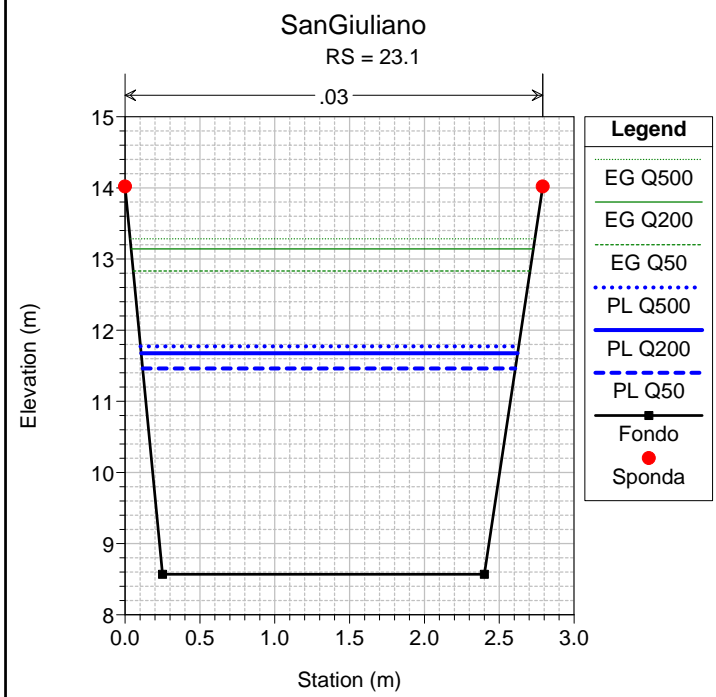
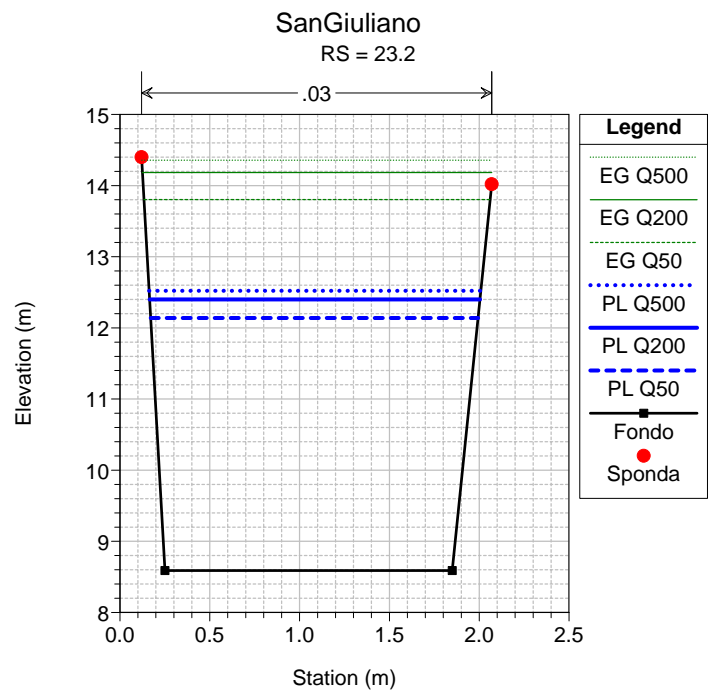
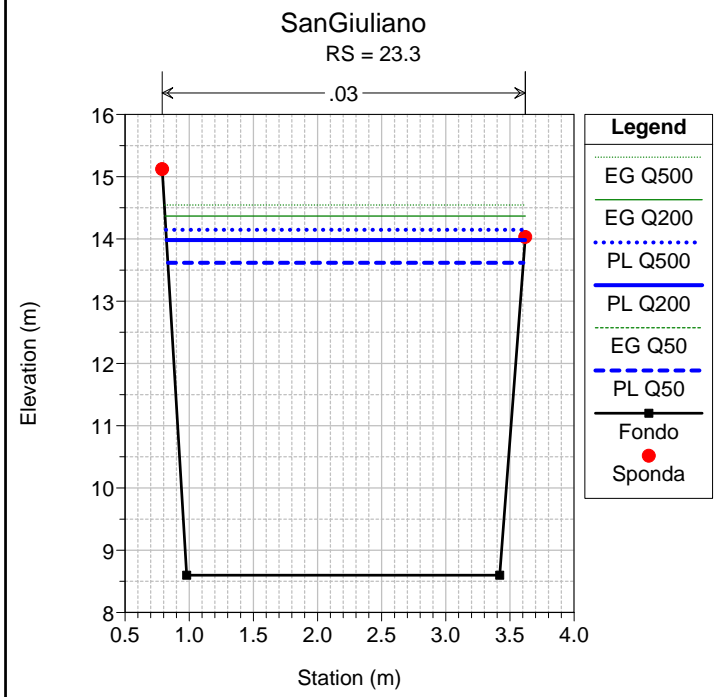
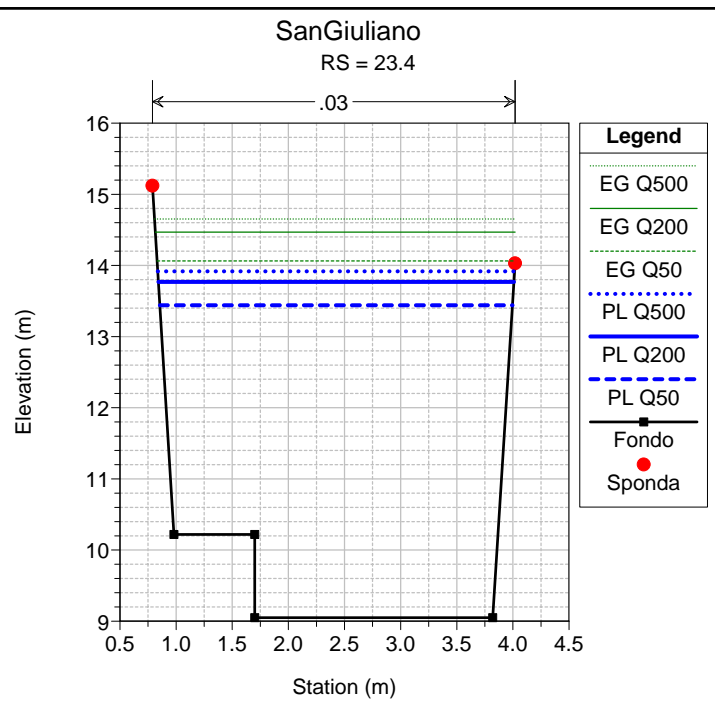
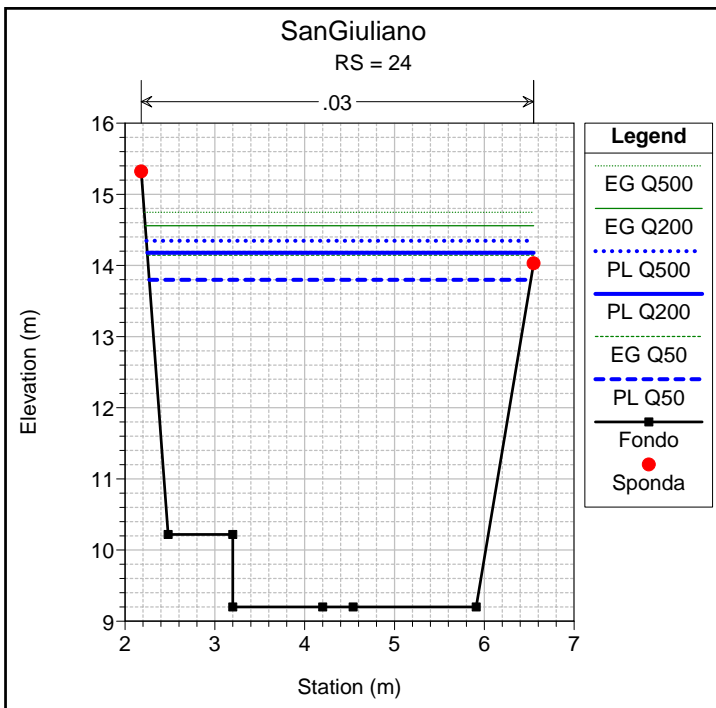


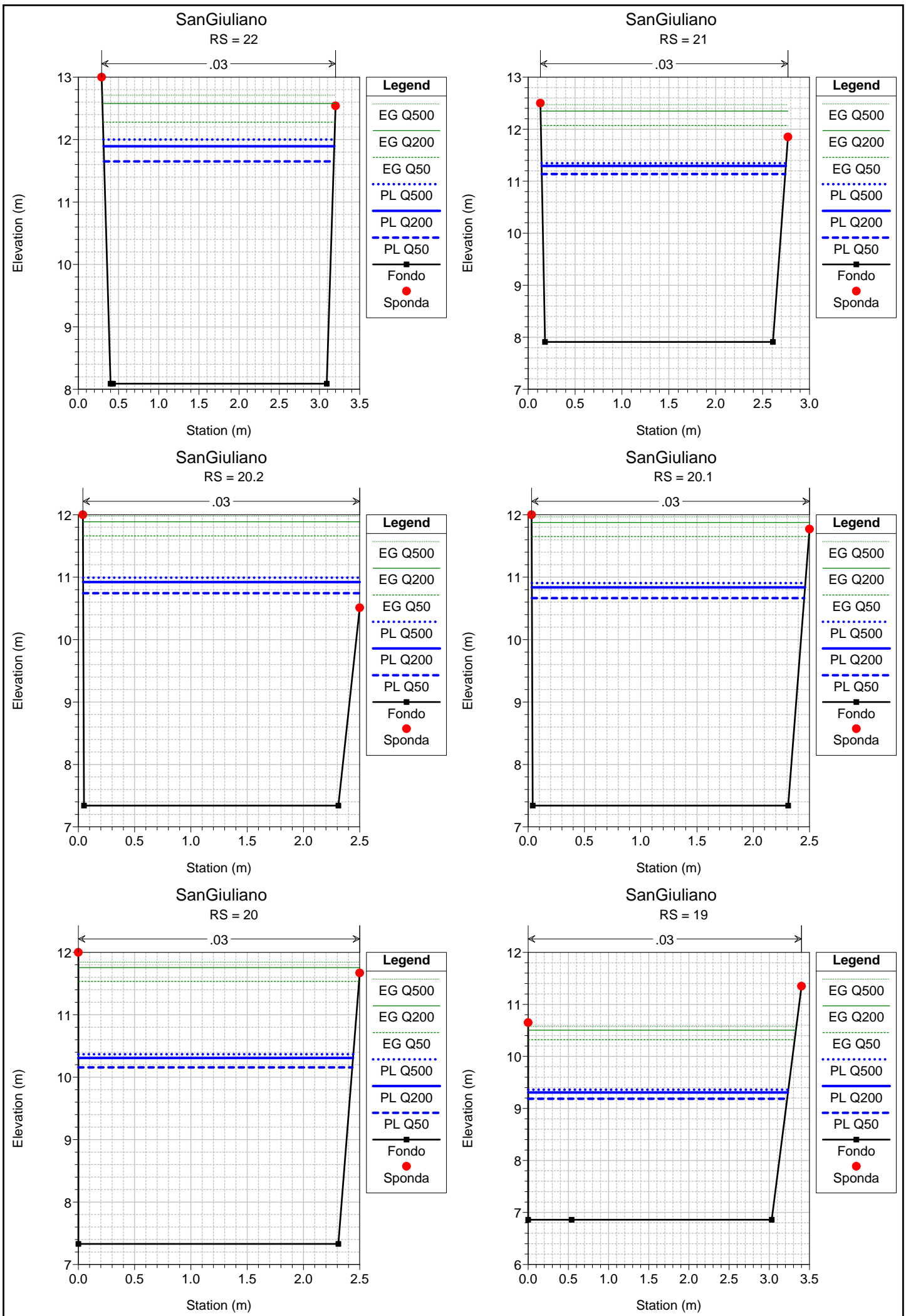
SanGiuliano
RS = 24.2



SanGiuliano
RS = 24.1

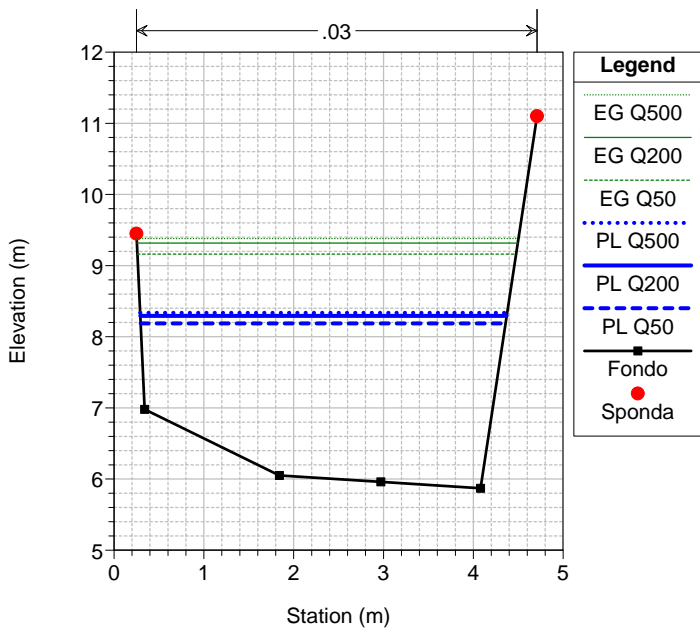






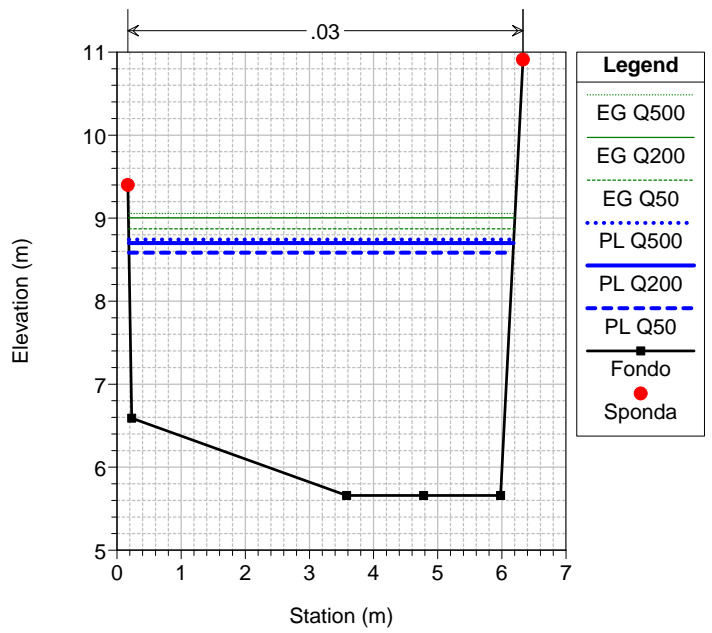
SanGiuliano

RS = 18



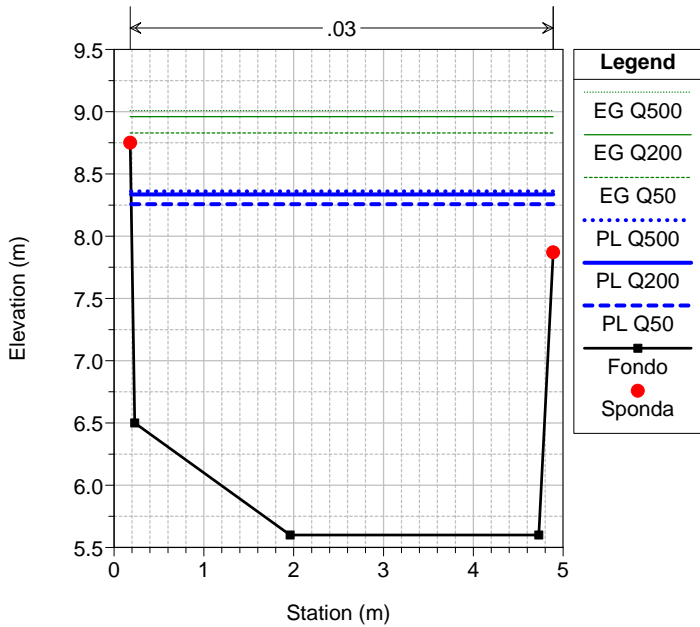
SanGiuliano

RS = 17.1



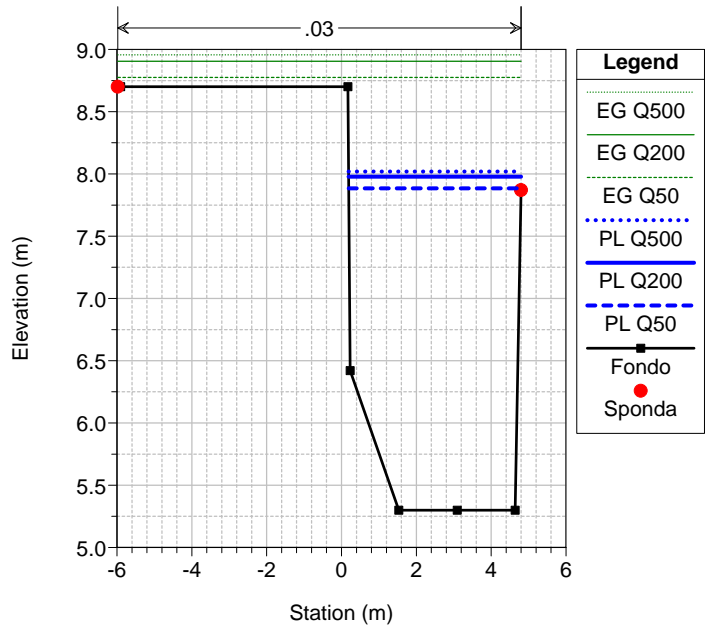
SanGiuliano

RS = 17.01



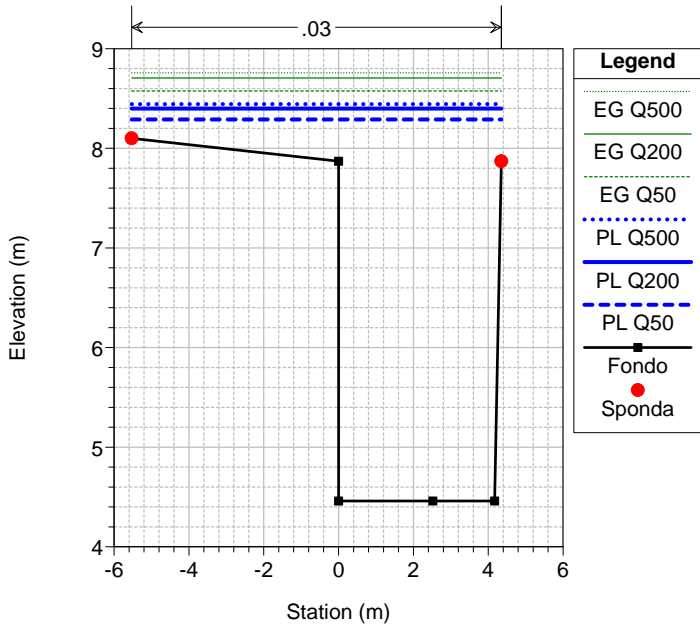
SanGiuliano

RS = 17



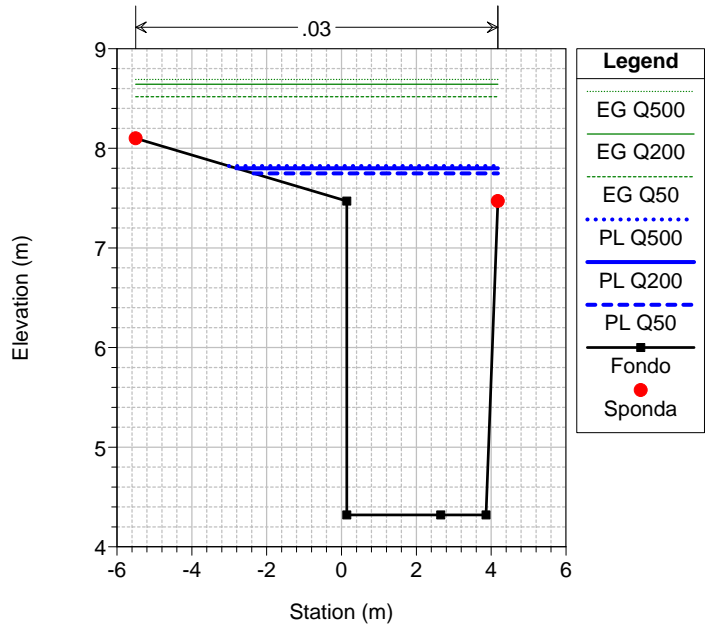
SanGiuliano

RS = 16

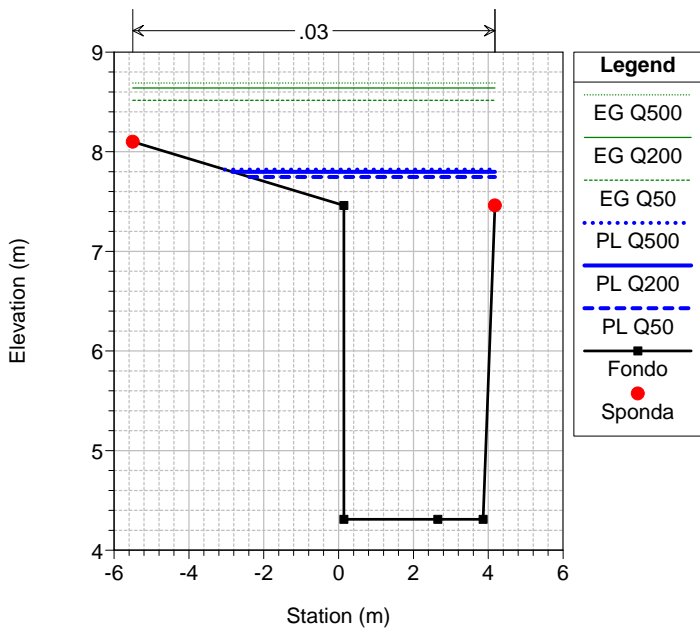


SanGiuliano

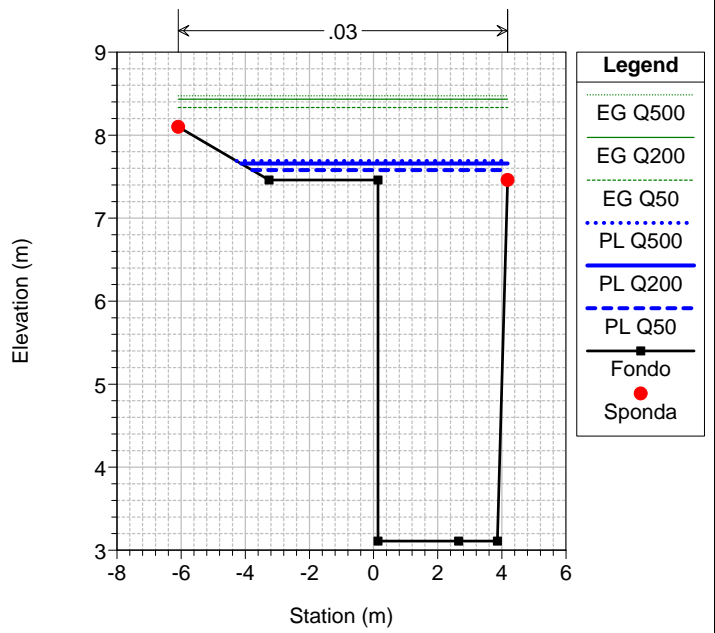
RS = 15.2



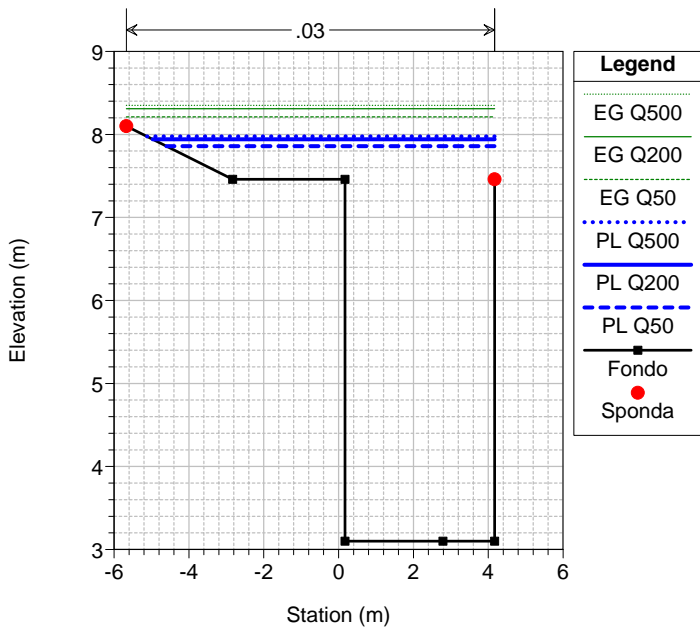
SanGiuliano
RS = 15.1



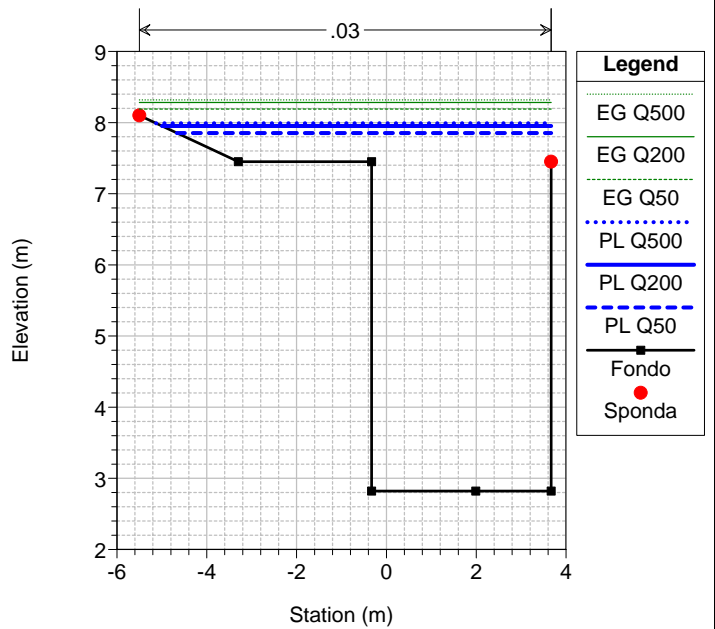
SanGiuliano
RS = 15



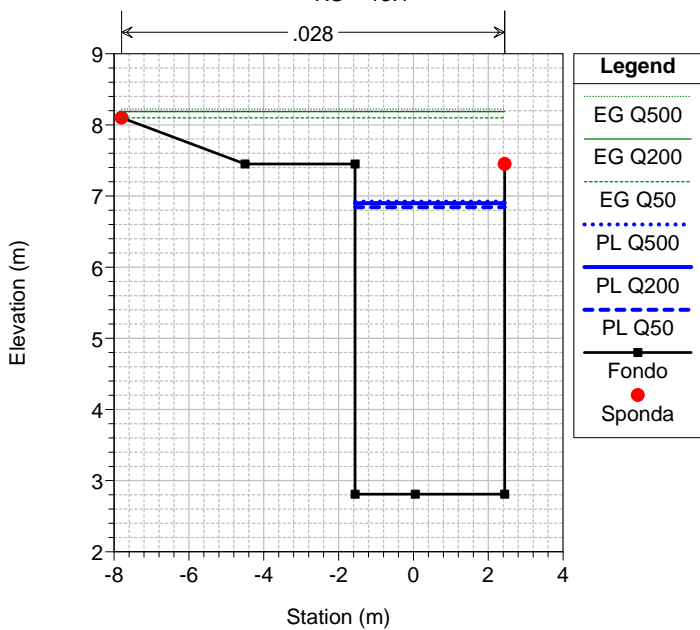
SanGiuliano
RS = 14



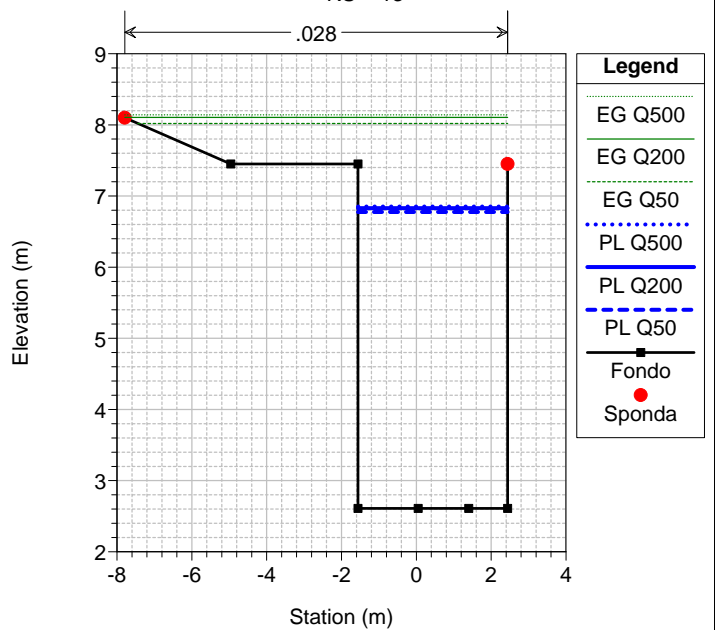
SanGiuliano
RS = 13.2



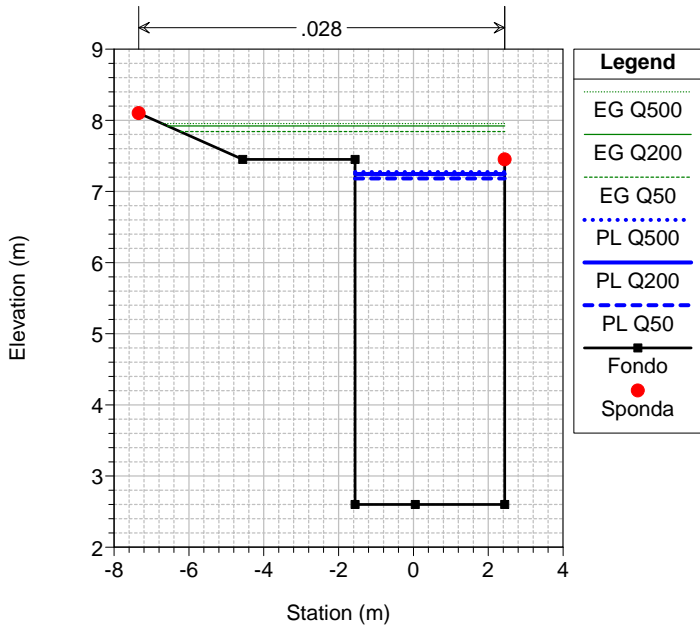
SanGiuliano
RS = 13.1



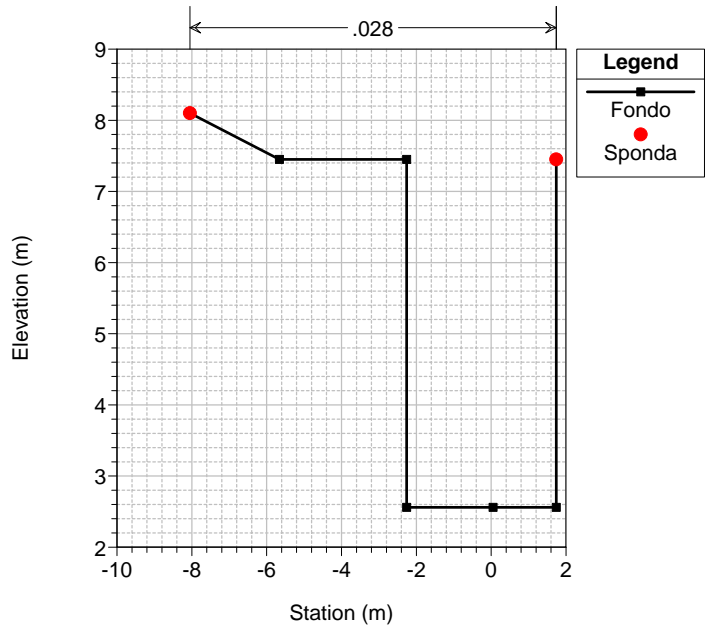
SanGiuliano
RS = 13



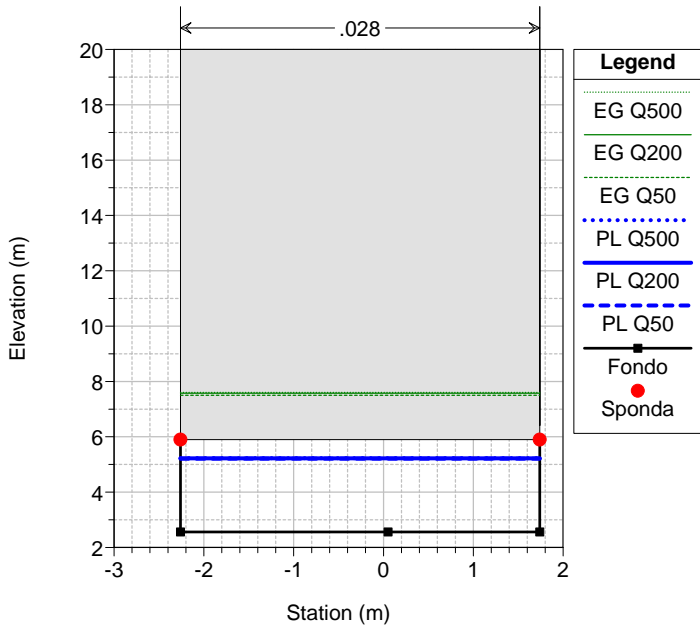
SanGiuliano
RS = 12



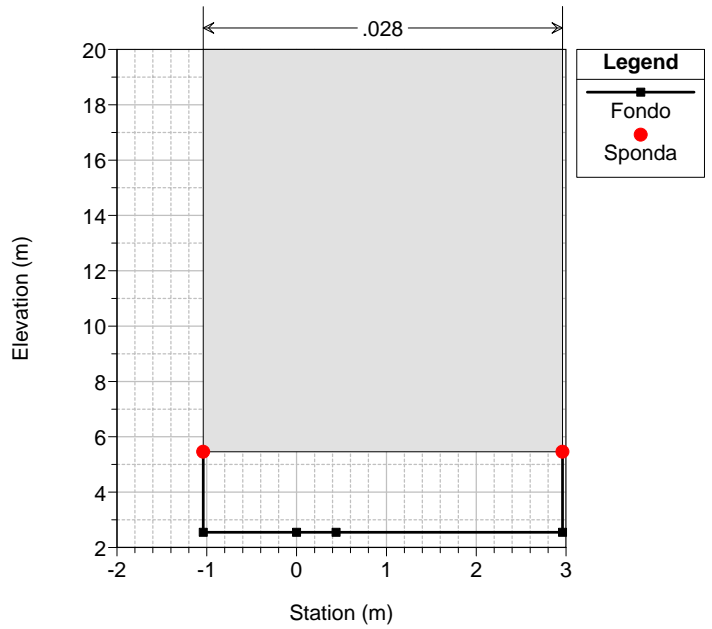
SanGiuliano
RS = 11.5



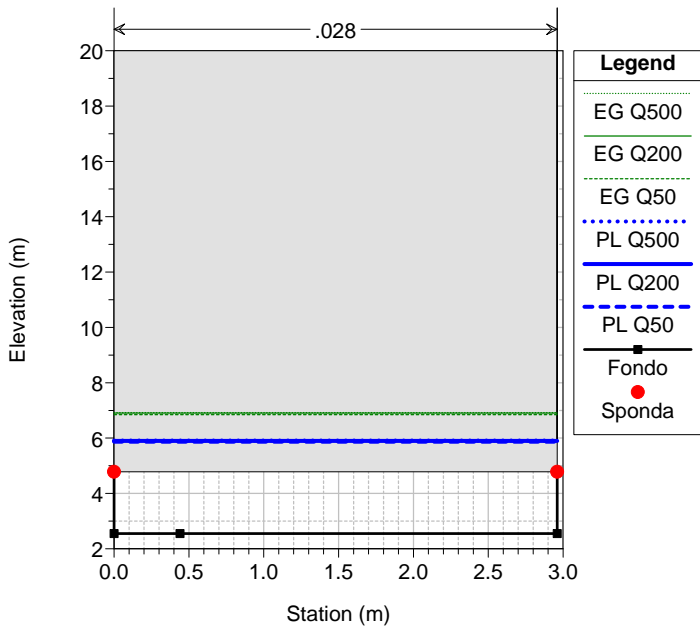
SanGiuliano
RS = 11



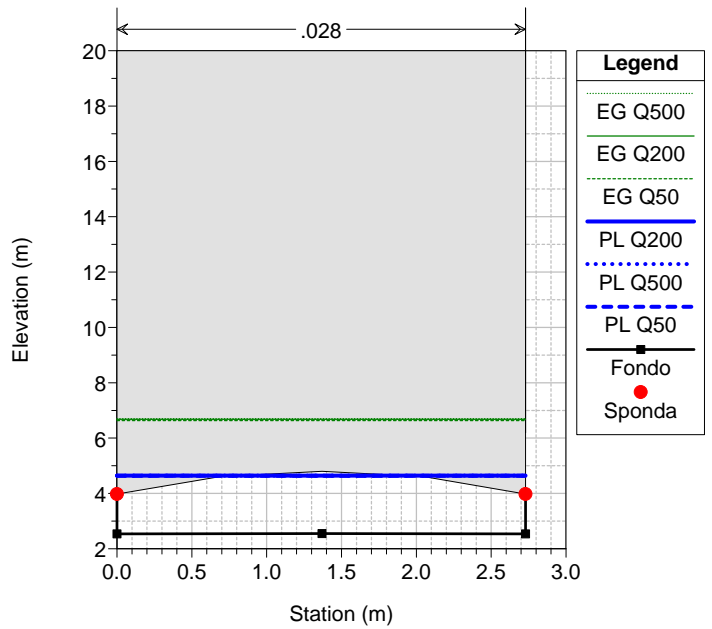
SanGiuliano
RS = 10.1

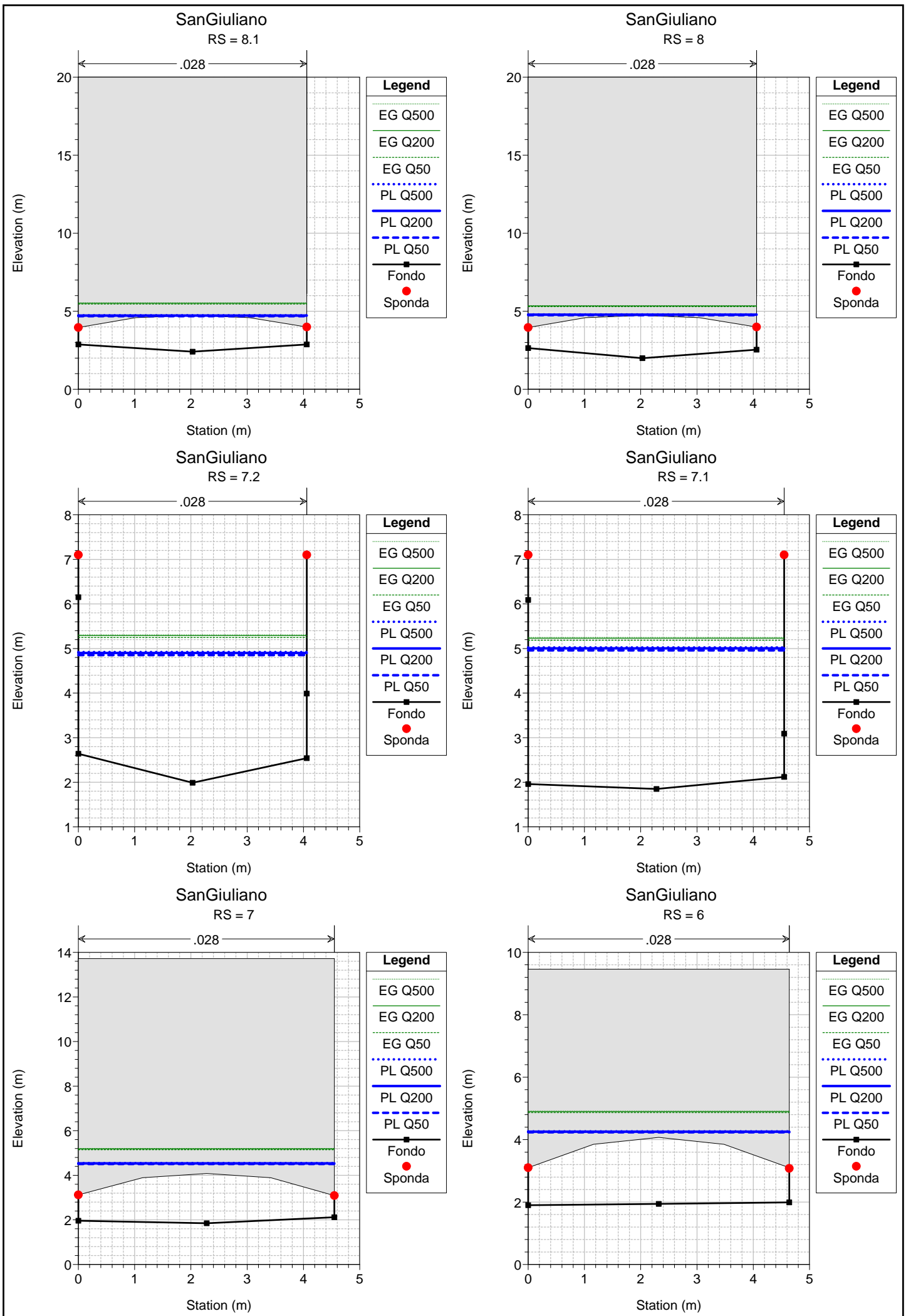


SanGiuliano
RS = 10

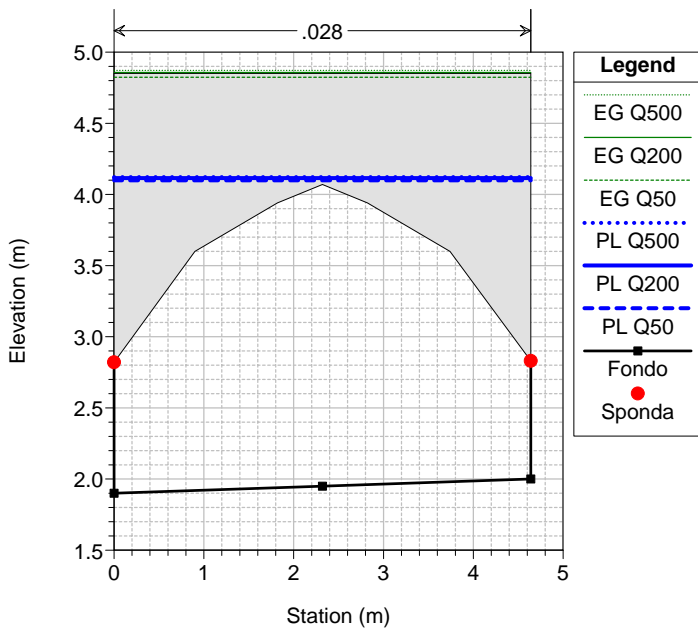


SanGiuliano
RS = 9

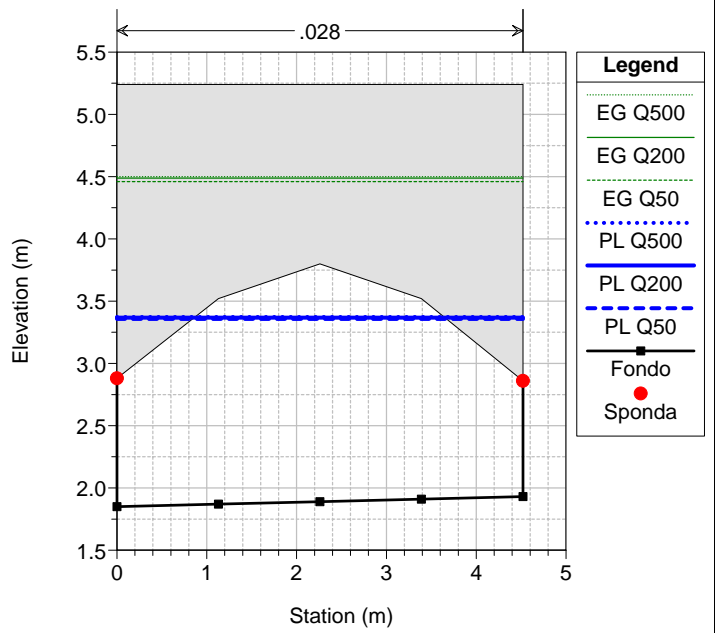




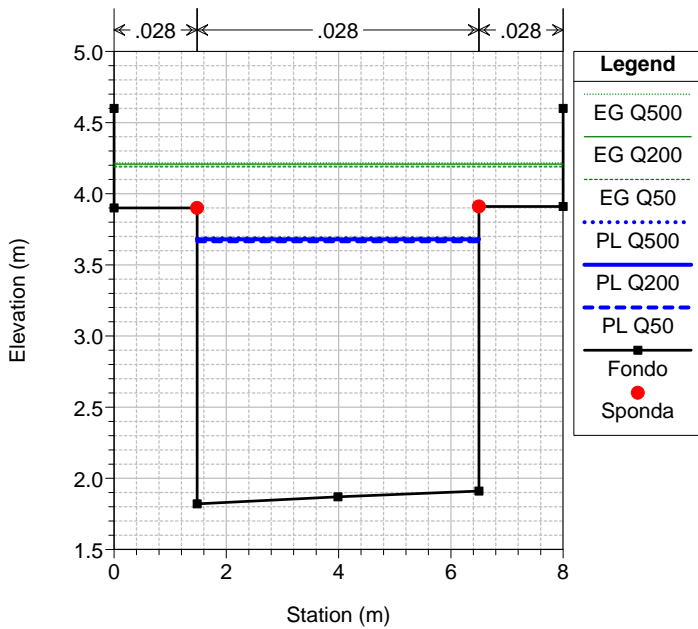
SanGiuliano
RS = 5



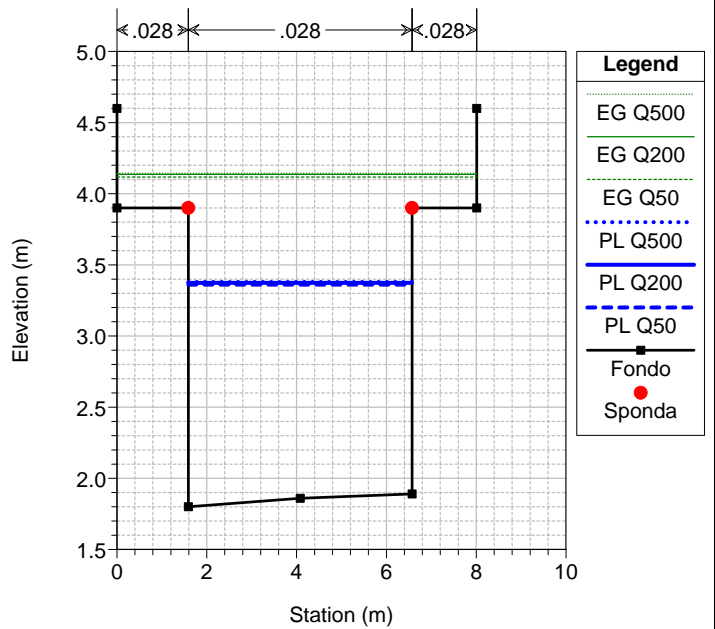
SanGiuliano
RS = 4



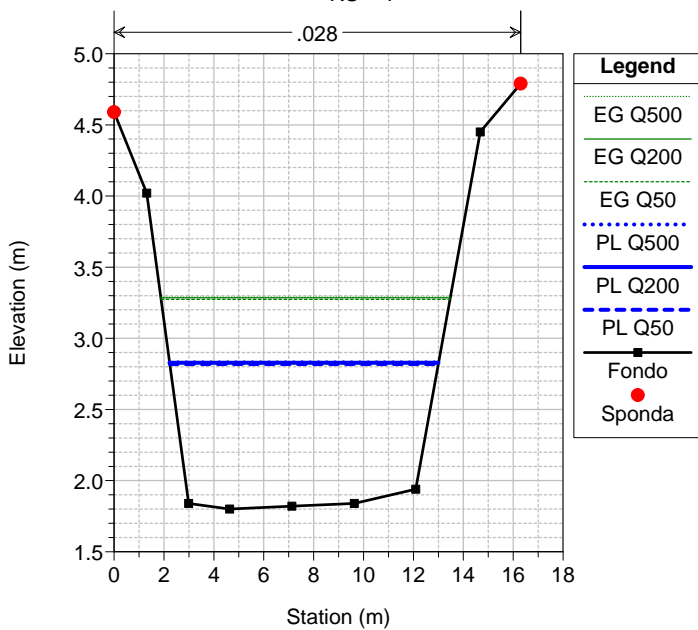
SanGiuliano
RS = 3



SanGiuliano
RS = 2



SanGiuliano
RS = 1



| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | LOB Elev (m) | L. Freeboard (m) | ROB Elev (m) | R. Freeboard (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|--------------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| San-Giuliano | 32 | Q50 | 36.00 | 12.85 | 14.86 | 18.03 | 3.17 | 20.25 | 5.39 | 14.86 | 15.85 | 0.016823 | 4.39 | 8.19 | 4.17 | 1.00 |
| San-Giuliano | 32 | Q200 | 53.00 | 12.85 | 15.45 | 18.03 | 2.58 | 20.25 | 4.80 | 15.45 | 16.71 | 0.018243 | 4.97 | 10.65 | 4.23 | 1.00 |
| San-Giuliano | 32 | Q500 | 63.00 | 12.85 | 15.76 | 18.03 | 2.27 | 20.25 | 4.49 | 15.76 | 17.17 | 0.019018 | 5.26 | 11.98 | 4.27 | 1.00 |
| San-Giuliano | 31 | Q50 | 36.00 | 12.00 | 14.14 | 16.82 | 2.68 | 16.35 | 2.21 | 14.14 | 15.17 | 0.018089 | 4.51 | 7.99 | 3.90 | 1.01 |
| San-Giuliano | 31 | Q200 | 53.00 | 12.00 | 14.75 | 16.82 | 2.07 | 16.35 | 1.60 | 14.75 | 16.08 | 0.019809 | 5.11 | 10.38 | 3.95 | 1.00 |
| San-Giuliano | 31 | Q500 | 63.00 | 12.00 | 15.08 | 16.82 | 1.74 | 16.35 | 1.27 | 15.08 | 16.56 | 0.020744 | 5.40 | 11.68 | 3.97 | 1.00 |
| San-Giuliano | 30 | Q50 | 36.00 | 11.07 | 13.91 | 15.69 | 1.78 | 17.15 | 3.24 | 13.59 | 14.81 | 0.015886 | 4.21 | 8.55 | 3.26 | 0.83 |
| San-Giuliano | 30 | Q200 | 53.00 | 11.07 | 14.49 | 15.69 | 1.20 | 17.15 | 2.66 | 14.28 | 15.80 | 0.020944 | 5.08 | 10.44 | 3.27 | 0.91 |
| San-Giuliano | 30 | Q500 | 63.00 | 11.07 | 14.83 | 15.69 | 0.86 | 17.15 | 2.32 | 14.65 | 16.34 | 0.023015 | 5.44 | 11.58 | 3.28 | 0.93 |
| San-Giuliano | 29 | Q50 | 36.00 | 11.00 | 14.00 | 15.64 | 1.64 | 16.09 | 2.09 | 13.30 | 14.61 | 0.009161 | 3.47 | 10.39 | 3.79 | 0.67 |
| San-Giuliano | 29 | Q200 | 53.00 | 11.00 | 14.66 | 15.64 | 0.98 | 16.09 | 1.43 | 13.96 | 15.52 | 0.011386 | 4.09 | 12.96 | 3.94 | 0.72 |
| San-Giuliano | 29 | Q500 | 63.00 | 11.00 | 15.06 | 15.64 | 0.58 | 16.09 | 1.03 | 14.30 | 16.02 | 0.012068 | 4.33 | 14.55 | 4.02 | 0.73 |
| San-Giuliano | 28.1992 | | Lat Struct | | | | | | | | | | | | | |
| San-Giuliano | 28.1 | Q50 | 36.00 | 11.00 | 13.76 | 15.64 | 1.88 | 16.09 | 2.33 | 13.30 | 14.49 | 0.011519 | 3.79 | 9.49 | 3.74 | 0.76 |
| San-Giuliano | 28.1 | Q200 | 53.00 | 11.00 | 14.20 | 15.64 | 1.44 | 16.09 | 1.89 | 13.96 | 15.35 | 0.016559 | 4.75 | 11.16 | 3.83 | 0.89 |
| San-Giuliano | 28.1 | Q500 | 63.00 | 11.00 | 14.47 | 15.64 | 1.17 | 16.09 | 1.62 | 14.30 | 15.83 | 0.018724 | 5.17 | 12.20 | 3.89 | 0.93 |
| San-Giuliano | 28 | Q50 | 36.00 | 10.98 | 13.73 | 15.50 | 1.77 | 15.43 | 1.70 | 13.34 | 14.49 | 0.011835 | 3.85 | 9.35 | 3.82 | 0.79 |
| San-Giuliano | 28 | Q200 | 53.00 | 10.98 | 14.00 | 15.50 | 1.50 | 15.43 | 1.43 | 14.00 | 15.33 | 0.019642 | 5.11 | 10.38 | 3.91 | 1.00 |
| San-Giuliano | 28 | Q500 | 63.00 | 10.98 | 14.35 | 15.50 | 1.15 | 15.43 | 1.08 | 14.35 | 15.81 | 0.020215 | 5.36 | 11.76 | 4.02 | 1.00 |
| San-Giuliano | 27.1 | Q50 | 36.00 | 10.93 | 13.81 | 15.49 | 1.68 | 13.74 | -0.07 | 13.16 | 14.39 | 0.008225 | 3.36 | 10.72 | 4.20 | 0.67 |
| San-Giuliano | 27.1 | Q200 | 53.00 | 10.93 | 13.78 | 15.49 | 1.71 | 13.74 | -0.04 | 13.78 | 15.06 | 0.018389 | 5.00 | 10.59 | 4.19 | 1.00 |
| San-Giuliano | 27.1 | Q500 | 63.00 | 10.93 | 14.12 | 15.49 | 1.37 | 13.74 | -0.38 | 14.12 | 15.52 | 0.018749 | 5.24 | 12.03 | 4.31 | 1.00 |
| San-Giuliano | 27 | Q50 | 36.00 | 10.34 | 13.97 | 15.49 | 1.52 | 13.74 | -0.23 | 12.59 | 14.32 | 0.004486 | 2.64 | 13.65 | 4.31 | 0.47 |
| San-Giuliano | 27 | Q200 | 53.00 | 10.34 | 14.17 | 15.49 | 1.32 | 13.74 | -0.43 | 13.22 | 14.85 | 0.008335 | 3.65 | 14.51 | 4.37 | 0.64 |
| San-Giuliano | 27 | Q500 | 63.00 | 10.34 | 14.17 | 15.49 | 1.32 | 13.74 | -0.43 | 13.55 | 15.13 | 0.011700 | 4.33 | 14.54 | 4.38 | 0.76 |
| San-Giuliano | 26.0992 | | Lat Struct | | | | | | | | | | | | | |
| San-Giuliano | 26 | Q50 | 34.94 | 9.96 | 14.11 | 15.50 | 1.39 | 14.03 | -0.08 | 11.61 | 14.23 | 0.001123 | 1.56 | 22.36 | 5.57 | 0.25 |
| San-Giuliano | 26 | Q200 | 48.13 | 9.96 | 14.47 | 15.50 | 1.03 | 14.03 | -0.44 | 12.01 | 14.67 | 0.001713 | 1.98 | 24.36 | 5.59 | 0.30 |
| San-Giuliano | 26 | Q500 | 56.71 | 9.96 | 14.62 | 15.50 | 0.88 | 14.03 | -0.59 | 12.23 | 14.87 | 0.002188 | 2.25 | 25.19 | 5.59 | 0.34 |
| San-Giuliano | 25 | Q50 | 34.76 | 9.59 | 14.05 | 19.18 | 5.13 | 14.04 | -0.01 | 11.55 | 14.21 | 0.001680 | 1.79 | 19.45 | 4.67 | 0.28 |
| San-Giuliano | 25 | Q200 | 43.16 | 9.59 | 14.43 | 19.18 | 4.75 | 14.04 | -0.39 | 11.85 | 14.65 | 0.002085 | 2.03 | 21.24 | 4.68 | 0.30 |
| San-Giuliano | 25 | Q500 | 48.72 | 9.59 | 14.60 | 19.18 | 4.58 | 14.04 | -0.56 | 12.03 | 14.85 | 0.002437 | 2.21 | 22.00 | 4.68 | 0.33 |
| San-Giuliano | 24.2 | Q50 | 34.73 | 9.32 | 14.06 | 19.18 | 5.12 | 14.04 | -0.02 | 11.36 | 14.19 | 0.001313 | 1.62 | 21.45 | 5.13 | 0.25 |
| San-Giuliano | 24.2 | Q200 | 39.51 | 9.32 | 14.47 | 19.18 | 4.71 | 14.04 | -0.43 | 11.52 | 14.61 | 0.001344 | 1.68 | 23.55 | 5.15 | 0.25 |
| San-Giuliano | 24.2 | Q500 | 42.55 | 9.32 | 14.65 | 19.18 | 4.53 | 14.04 | -0.61 | 11.62 | 14.80 | 0.001415 | 1.74 | 24.49 | 5.16 | 0.25 |
| San-Giuliano | 24.1 | Q50 | 34.73 | 9.32 | 13.95 | 11.94 | -2.01 | 9.32 | -4.63 | 11.36 | 14.18 | 0.005738 | 2.13 | 16.32 | 2.78 | 0.32 |
| San-Giuliano | 24.1 | Q200 | 39.47 | 9.32 | 14.34 | 11.94 | -2.40 | 9.32 | -5.02 | 11.52 | 14.60 | 0.006288 | 2.27 | 17.39 | 2.79 | 0.32 |
| San-Giuliano | 24.1 | Q500 | 42.49 | 9.32 | 14.50 | 11.94 | -2.56 | 9.32 | -5.18 | 11.62 | 14.79 | 0.006815 | 2.38 | 17.85 | 2.79 | 0.33 |

HEC-RAS Plan: VALLE-ATT+weir River: San-Giuliano Reach: San-Giuliano (Continued)

| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | LOB Elev (m) | L. Freeboard (m) | ROB Elev (m) | R. Freeboard (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|--------------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| San-Giuliano | 24 | Q50 | 34.73 | 9.20 | 13.80 | 11.94 | -1.86 | 9.20 | -4.60 | 11.56 | 14.14 | 0.010472 | 2.61 | 13.33 | 2.32 | 0.39 |
| San-Giuliano | 24 | Q200 | 38.81 | 9.20 | 14.18 | 11.94 | -2.24 | 9.20 | -4.98 | 11.72 | 14.56 | 0.011086 | 2.73 | 14.22 | 2.35 | 0.39 |
| San-Giuliano | 24 | Q500 | 40.98 | 9.20 | 14.35 | 11.94 | -2.41 | 9.20 | -5.15 | 11.80 | 14.75 | 0.011527 | 2.80 | 14.62 | 2.35 | 0.39 |
| San-Giuliano | 23.4 | Q50 | 34.73 | 9.05 | 13.44 | 11.94 | -1.50 | 9.05 | -4.39 | 11.80 | 14.06 | 0.025873 | 3.49 | 9.94 | 1.60 | 0.53 |
| San-Giuliano | 23.4 | Q200 | 38.77 | 9.05 | 13.77 | 11.94 | -1.83 | 9.05 | -4.72 | 11.94 | 14.47 | 0.028406 | 3.70 | 10.47 | 1.61 | 0.54 |
| San-Giuliano | 23.4 | Q500 | 40.68 | 9.05 | 13.92 | 11.94 | -1.98 | 9.05 | -4.87 | 11.94 | 14.65 | 0.029593 | 3.80 | 10.71 | 1.62 | 0.55 |
| San-Giuliano | 23.3 | Q50 | 34.73 | 8.60 | 13.62 | 16.13 | 2.51 | 14.03 | 0.41 | 11.31 | 13.98 | 0.005968 | 2.66 | 13.07 | 2.77 | 0.39 |
| San-Giuliano | 23.3 | Q200 | 38.77 | 8.60 | 13.98 | 16.13 | 2.15 | 14.03 | 0.05 | 11.51 | 14.37 | 0.006255 | 2.75 | 14.09 | 2.80 | 0.39 |
| San-Giuliano | 23.3 | Q500 | 40.67 | 8.60 | 14.15 | 16.13 | 1.98 | 14.03 | -0.12 | 11.60 | 14.54 | 0.006388 | 2.80 | 14.55 | 2.80 | 0.39 |
| San-Giuliano | 23.2 | Q50 | 34.73 | 8.59 | 12.14 | 19.84 | 7.70 | 14.02 | 1.88 | 12.14 | 13.80 | 0.047559 | 5.72 | 6.07 | 1.82 | 1.00 |
| San-Giuliano | 23.2 | Q200 | 38.77 | 8.59 | 12.40 | 19.84 | 7.44 | 14.02 | 1.62 | 12.40 | 14.18 | 0.049691 | 5.92 | 6.55 | 1.84 | 1.00 |
| San-Giuliano | 23.2 | Q500 | 40.66 | 8.59 | 12.52 | 19.84 | 7.32 | 14.02 | 1.50 | 12.52 | 14.36 | 0.050650 | 6.00 | 6.77 | 1.85 | 1.00 |
| San-Giuliano | 23.1 | Q50 | 34.73 | 8.57 | 11.46 | 16.39 | 4.93 | 14.02 | 2.56 | 11.46 | 12.83 | 0.030492 | 5.19 | 6.70 | 2.46 | 1.00 |
| San-Giuliano | 23.1 | Q200 | 38.77 | 8.57 | 11.67 | 16.39 | 4.72 | 14.02 | 2.35 | 11.67 | 13.14 | 0.031641 | 5.37 | 7.22 | 2.48 | 1.00 |
| San-Giuliano | 23.1 | Q500 | 40.66 | 8.57 | 11.77 | 16.39 | 4.62 | 14.02 | 2.25 | 11.77 | 13.28 | 0.032145 | 5.45 | 7.47 | 2.49 | 1.00 |
| San-Giuliano | 23 | Q50 | 34.73 | 8.57 | 11.45 | 16.39 | 4.94 | 13.30 | 1.85 | 11.45 | 12.81 | 0.030061 | 5.17 | 6.72 | 2.49 | 1.00 |
| San-Giuliano | 23 | Q200 | 38.77 | 8.57 | 11.67 | 16.39 | 4.72 | 13.30 | 1.63 | 11.67 | 13.12 | 0.031126 | 5.34 | 7.25 | 2.52 | 1.00 |
| San-Giuliano | 23 | Q500 | 40.66 | 8.57 | 11.76 | 16.39 | 4.63 | 13.30 | 1.54 | 11.76 | 13.26 | 0.031605 | 5.42 | 7.50 | 2.53 | 1.00 |
| San-Giuliano | 22.0992 | | Lat Struct | | | | | | | | | | | | | |
| San-Giuliano | 22 | Q50 | 34.73 | 8.09 | 11.65 | 24.79 | 13.14 | 12.54 | 0.89 | 10.64 | 12.28 | 0.010998 | 3.51 | 9.89 | 2.86 | 0.60 |
| San-Giuliano | 22 | Q200 | 38.77 | 8.09 | 11.89 | 24.79 | 12.90 | 12.54 | 0.65 | 10.83 | 12.58 | 0.011643 | 3.66 | 10.58 | 2.88 | 0.61 |
| San-Giuliano | 22 | Q500 | 40.66 | 8.09 | 12.00 | 24.79 | 12.79 | 12.54 | 0.54 | 10.92 | 12.71 | 0.011966 | 3.73 | 10.89 | 2.88 | 0.61 |
| San-Giuliano | 21 | Q50 | 34.73 | 7.91 | 11.14 | 23.82 | 12.68 | 11.85 | 0.71 | 10.63 | 12.07 | 0.018616 | 4.28 | 8.11 | 2.60 | 0.77 |
| San-Giuliano | 21 | Q200 | 38.77 | 7.91 | 11.29 | 23.82 | 12.53 | 11.85 | 0.56 | 10.83 | 12.35 | 0.020646 | 4.55 | 8.52 | 2.61 | 0.80 |
| San-Giuliano | 21 | Q500 | 40.66 | 7.91 | 11.34 | 23.82 | 12.48 | 11.85 | 0.51 | 10.93 | 12.47 | 0.021888 | 4.70 | 8.65 | 2.61 | 0.82 |
| San-Giuliano | 20.2 | Q50 | 34.32 | 7.34 | 10.74 | 23.81 | 13.07 | 10.51 | -0.23 | 10.16 | 11.66 | 0.018942 | 4.25 | 8.08 | 2.47 | 0.75 |
| San-Giuliano | 20.2 | Q200 | 37.12 | 7.34 | 10.92 | 23.81 | 12.89 | 10.51 | -0.41 | 10.31 | 11.89 | 0.019545 | 4.35 | 8.53 | 2.47 | 0.75 |
| San-Giuliano | 20.2 | Q500 | 38.26 | 7.34 | 10.99 | 23.81 | 12.82 | 10.51 | -0.48 | 10.37 | 11.98 | 0.019790 | 4.40 | 8.70 | 2.47 | 0.75 |
| San-Giuliano | 20.1 | Q50 | 34.32 | 7.34 | 10.66 | 23.81 | 13.15 | 11.77 | 1.11 | 10.17 | 11.65 | 0.020874 | 4.40 | 7.80 | 2.42 | 0.78 |
| San-Giuliano | 20.1 | Q200 | 37.12 | 7.34 | 10.84 | 23.81 | 12.97 | 11.77 | 0.93 | 10.32 | 11.88 | 0.021577 | 4.52 | 8.22 | 2.43 | 0.78 |
| San-Giuliano | 20.1 | Q500 | 38.26 | 7.34 | 10.91 | 23.81 | 12.90 | 11.77 | 0.86 | 10.38 | 11.97 | 0.021856 | 4.56 | 8.38 | 2.43 | 0.78 |
| San-Giuliano | 20 | Q50 | 34.32 | 7.33 | 10.16 | 23.81 | 13.65 | 11.67 | 1.51 | 10.16 | 11.53 | 0.031030 | 5.20 | 6.60 | 2.40 | 1.00 |
| San-Giuliano | 20 | Q200 | 37.12 | 7.33 | 10.31 | 23.81 | 13.50 | 11.67 | 1.36 | 10.31 | 11.76 | 0.031941 | 5.33 | 6.96 | 2.41 | 1.00 |
| San-Giuliano | 20 | Q500 | 38.26 | 7.33 | 10.37 | 23.81 | 13.44 | 11.67 | 1.30 | 10.37 | 11.84 | 0.032305 | 5.38 | 7.11 | 2.41 | 1.00 |
| San-Giuliano | 19 | Q50 | 34.32 | 6.86 | 9.19 | 15.37 | 6.18 | 11.35 | 2.16 | 9.19 | 10.32 | 0.021636 | 4.72 | 7.27 | 3.22 | 1.00 |
| San-Giuliano | 19 | Q200 | 37.12 | 6.86 | 9.31 | 15.37 | 6.06 | 11.35 | 2.04 | 9.31 | 10.50 | 0.022142 | 4.85 | 7.66 | 3.23 | 1.00 |
| San-Giuliano | 19 | Q500 | 38.26 | 6.86 | 9.36 | 15.37 | 6.01 | 11.35 | 1.99 | 9.36 | 10.58 | 0.022234 | 4.88 | 7.83 | 3.24 | 1.00 |
| San-Giuliano | 18 | Q50 | 34.32 | 5.87 | 8.19 | 15.36 | 7.17 | 11.10 | 2.91 | 8.19 | 9.16 | 0.016363 | 4.37 | 7.85 | 4.07 | 1.01 |
| San-Giuliano | 18 | Q200 | 37.12 | 5.87 | 8.29 | 15.36 | 7.07 | 11.10 | 2.81 | 8.29 | 9.32 | 0.016612 | 4.48 | 8.28 | 4.09 | 1.01 |

HEC-RAS Plan: VALLE-ATT+weir River: San-Giuliano Reach: San-Giuliano (Continued)

| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | LOB Elev (m) | L. Freeboard (m) | ROB Elev (m) | R. Freeboard (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|--------------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| San-Giuliano | 18 | Q500 | 38.26 | 5.87 | 8.33 | 15.36 | 7.03 | 11.10 | 2.77 | 8.33 | 9.38 | 0.016712 | 4.53 | 8.45 | 4.09 | 1.01 |
| San-Giuliano | 17.1 | Q50 | 34.32 | 5.93 | 8.58 | 15.32 | 6.74 | 10.91 | 2.33 | 7.65 | 8.87 | 0.003300 | 2.37 | 14.46 | 5.99 | 0.49 |
| San-Giuliano | 17.1 | Q200 | 37.12 | 5.93 | 8.70 | 15.32 | 6.62 | 10.91 | 2.21 | 7.73 | 9.01 | 0.003403 | 2.45 | 15.14 | 6.00 | 0.49 |
| San-Giuliano | 17.1 | Q500 | 38.26 | 5.93 | 8.74 | 15.32 | 6.58 | 10.91 | 2.17 | 7.76 | 9.06 | 0.003454 | 2.48 | 15.40 | 6.00 | 0.50 |
| San-Giuliano | 17.01 | Q50 | 34.32 | 5.93 | 8.26 | 15.32 | 7.06 | 7.87 | -0.39 | 7.83 | 8.83 | 0.008127 | 3.35 | 10.23 | 4.71 | 0.73 |
| San-Giuliano | 17.01 | Q200 | 37.12 | 5.93 | 8.34 | 15.32 | 6.98 | 7.87 | -0.47 | 7.92 | 8.96 | 0.008651 | 3.50 | 10.60 | 4.71 | 0.74 |
| San-Giuliano | 17.01 | Q500 | 38.26 | 5.93 | 8.36 | 15.32 | 6.96 | 7.87 | -0.49 | 7.97 | 9.01 | 0.008928 | 3.57 | 10.72 | 4.71 | 0.75 |
| San-Giuliano | 17.0092 | | Lat Struct | | | | | | | | | | | | | |
| San-Giuliano | 17 | Q50 | 33.99 | 5.95 | 7.88 | 15.32 | 7.44 | 7.87 | -0.01 | 7.88 | 8.77 | 0.014707 | 4.18 | 8.13 | 4.61 | 1.01 |
| San-Giuliano | 17 | Q200 | 36.53 | 5.95 | 7.98 | 15.32 | 7.34 | 7.87 | -0.11 | 7.97 | 8.91 | 0.014747 | 4.27 | 8.56 | 4.61 | 1.00 |
| San-Giuliano | 17 | Q500 | 37.52 | 5.95 | 8.02 | 15.32 | 7.30 | 7.87 | -0.15 | 8.01 | 8.96 | 0.014673 | 4.29 | 8.75 | 4.61 | 0.99 |
| San-Giuliano | 16 | Q50 | 33.73 | 4.46 | 8.29 | 15.32 | 7.03 | 7.87 | -0.42 | 6.71 | 8.58 | 0.003825 | 2.37 | 14.25 | 4.15 | 0.41 |
| San-Giuliano | 16 | Q200 | 36.06 | 4.46 | 8.40 | 15.32 | 6.92 | 7.87 | -0.53 | 6.80 | 8.71 | 0.004035 | 2.45 | 14.70 | 4.16 | 0.42 |
| San-Giuliano | 16 | Q500 | 36.95 | 4.46 | 8.44 | 15.32 | 6.88 | 7.87 | -0.57 | 6.84 | 8.76 | 0.004106 | 2.48 | 14.89 | 4.16 | 0.42 |
| San-Giuliano | 15.2 | Q50 | 33.25 | 4.45 | 7.75 | 7.44 | -0.31 | 7.46 | -0.29 | 7.08 | 8.52 | 0.014612 | 3.89 | 8.56 | 2.74 | 0.70 |
| San-Giuliano | 15.2 | Q200 | 35.38 | 4.45 | 7.80 | 7.44 | -0.36 | 7.46 | -0.34 | 7.18 | 8.64 | 0.015905 | 4.07 | 8.70 | 2.74 | 0.73 |
| San-Giuliano | 15.2 | Q500 | 36.20 | 4.45 | 7.82 | 7.44 | -0.38 | 7.46 | -0.36 | 7.23 | 8.69 | 0.016375 | 4.13 | 8.76 | 2.74 | 0.74 |
| San-Giuliano | 15.1 | Q50 | 33.22 | 4.45 | 7.75 | 7.44 | -0.31 | 7.46 | -0.29 | 7.08 | 8.52 | 0.014603 | 3.88 | 8.55 | 2.74 | 0.70 |
| San-Giuliano | 15.1 | Q200 | 35.35 | 4.45 | 7.80 | 7.44 | -0.36 | 7.46 | -0.34 | 7.18 | 8.64 | 0.015889 | 4.07 | 8.69 | 2.74 | 0.73 |
| San-Giuliano | 15.1 | Q500 | 36.17 | 4.45 | 7.82 | 7.44 | -0.38 | 7.46 | -0.36 | 7.22 | 8.69 | 0.016359 | 4.13 | 8.75 | 2.74 | 0.74 |
| San-Giuliano | 15 | Q50 | 31.35 | 4.43 | 7.58 | 7.44 | -0.14 | 7.46 | -0.12 | 6.96 | 8.33 | 0.014641 | 3.85 | 8.14 | 2.74 | 0.71 |
| San-Giuliano | 15 | Q200 | 32.62 | 4.43 | 7.66 | 7.44 | -0.22 | 7.46 | -0.20 | 7.02 | 8.43 | 0.014883 | 3.90 | 8.36 | 2.74 | 0.71 |
| San-Giuliano | 15 | Q500 | 33.15 | 4.43 | 7.69 | 7.44 | -0.25 | 7.46 | -0.23 | 7.05 | 8.47 | 0.015002 | 3.93 | 8.44 | 2.74 | 0.71 |
| San-Giuliano | 14 | Q50 | 31.32 | 3.53 | 7.86 | 7.44 | -0.42 | 7.46 | -0.40 | 5.89 | 8.21 | 0.005885 | 2.63 | 11.91 | 2.75 | 0.40 |
| San-Giuliano | 14 | Q200 | 32.58 | 3.53 | 7.94 | 7.44 | -0.50 | 7.46 | -0.48 | 5.96 | 8.31 | 0.006094 | 2.69 | 12.13 | 2.75 | 0.41 |
| San-Giuliano | 14 | Q500 | 33.11 | 3.53 | 7.98 | 7.44 | -0.54 | 7.46 | -0.52 | 5.98 | 8.35 | 0.006185 | 2.71 | 12.23 | 2.75 | 0.41 |
| San-Giuliano | 13.2991 | | Lat Struct | | | | | | | | | | | | | |
| San-Giuliano | 13.2 | Q50 | 28.94 | 3.53 | 7.85 | 7.45 | -0.40 | 7.45 | -0.40 | 5.86 | 8.19 | 0.005968 | 2.57 | 11.24 | 2.60 | 0.40 |
| San-Giuliano | 13.2 | Q200 | 29.31 | 3.53 | 7.95 | 7.45 | -0.50 | 7.45 | -0.50 | 5.88 | 8.28 | 0.005811 | 2.55 | 11.50 | 2.60 | 0.39 |
| San-Giuliano | 13.2 | Q500 | 29.45 | 3.53 | 7.99 | 7.45 | -0.54 | 7.45 | -0.54 | 5.88 | 8.32 | 0.005750 | 2.54 | 11.60 | 2.60 | 0.38 |
| San-Giuliano | 13.1 | Q50 | 28.94 | 3.51 | 6.84 | 5.90 | -0.94 | 5.90 | -0.94 | 5.90 | 8.10 | 0.037856 | 4.96 | 5.83 | | 0.87 |
| San-Giuliano | 13.1 | Q200 | 29.31 | 3.51 | 6.90 | 5.90 | -1.00 | 5.90 | -1.00 | 5.90 | 8.19 | 0.038813 | 5.03 | 5.83 | | 0.87 |
| San-Giuliano | 13.1 | Q500 | 29.45 | 3.51 | 6.92 | 5.90 | -1.02 | 5.90 | -1.02 | 5.90 | 8.22 | 0.039199 | 5.05 | 5.83 | | 0.87 |
| San-Giuliano | 13 | Q50 | 28.94 | 3.50 | 6.78 | 5.90 | -0.88 | 5.90 | -0.88 | 5.90 | 8.02 | 0.037434 | 4.94 | 5.86 | | 0.87 |
| San-Giuliano | 13 | Q200 | 29.31 | 3.50 | 6.83 | 5.90 | -0.93 | 5.90 | -0.93 | 5.90 | 8.11 | 0.038379 | 5.00 | 5.86 | | 0.88 |
| San-Giuliano | 13 | Q500 | 29.45 | 3.50 | 6.85 | 5.90 | -0.95 | 5.90 | -0.95 | 5.90 | 8.14 | 0.038761 | 5.03 | 5.86 | | 0.88 |
| San-Giuliano | 12 | Q50 | 28.94 | 2.60 | 7.18 | 5.90 | -1.28 | 5.90 | -1.28 | 5.03 | 7.84 | 0.016255 | 3.59 | 8.05 | | 0.54 |
| San-Giuliano | 12 | Q200 | 29.31 | 2.60 | 7.25 | 5.90 | -1.35 | 5.90 | -1.35 | 5.05 | 7.92 | 0.016666 | 3.64 | 8.05 | | 0.54 |

| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | LOB Elev (m) | L. Freeboard (m) | ROB Elev (m) | R. Freeboard (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|--------------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| San-Giuliano | 12 | Q500 | 29.45 | 2.60 | 7.27 | 5.90 | -1.37 | 5.90 | -1.37 | 5.06 | 7.95 | 0.016831 | 3.66 | 8.05 | | 0.54 |
| San-Giuliano | 11 | Q50 | 28.94 | 2.56 | 5.21 | 5.04 | -0.17 | 5.04 | -0.17 | 5.04 | 7.50 | 0.086266 | 6.71 | 4.32 | | 1.32 |
| San-Giuliano | 11 | Q200 | 29.31 | 2.56 | 5.22 | 5.04 | -0.18 | 5.04 | -0.18 | 5.04 | 7.57 | 0.088446 | 6.79 | 4.32 | | 1.33 |
| San-Giuliano | 11 | Q500 | 29.45 | 2.56 | 5.23 | 5.04 | -0.19 | 5.04 | -0.19 | 5.04 | 7.60 | 0.089326 | 6.83 | 4.32 | | 1.33 |
| San-Giuliano | 10 | Q50 | 28.94 | 2.55 | 5.87 | 4.78 | -1.09 | 4.78 | -1.09 | 4.69 | 6.85 | 0.027568 | 4.39 | 6.60 | | 0.77 |
| San-Giuliano | 10 | Q200 | 29.31 | 2.55 | 5.90 | 4.78 | -1.12 | 4.78 | -1.12 | 4.70 | 6.90 | 0.028265 | 4.44 | 6.60 | | 0.77 |
| San-Giuliano | 10 | Q500 | 29.45 | 2.55 | 5.91 | 4.78 | -1.13 | 4.78 | -1.13 | 4.71 | 6.92 | 0.028546 | 4.46 | 6.60 | | 0.78 |
| San-Giuliano | 9 | Q50 | 28.94 | 2.54 | 4.64 | 3.98 | -0.66 | 3.98 | -0.66 | 4.64 | 6.63 | 0.052312 | 6.26 | 4.63 | 1.17 | 1.38 |
| San-Giuliano | 9 | Q200 | 29.31 | 2.54 | 4.64 | 3.98 | -0.66 | 3.98 | -0.66 | 4.64 | 6.68 | 0.053811 | 6.33 | 4.63 | 1.13 | 1.39 |
| San-Giuliano | 9 | Q500 | 29.45 | 2.54 | 4.64 | 3.98 | -0.66 | 3.98 | -0.66 | 4.64 | 6.70 | 0.054341 | 6.36 | 4.63 | 1.13 | 1.40 |
| San-Giuliano | 8.1 | Q50 | 28.94 | 2.41 | 4.68 | 3.96 | -0.72 | 3.99 | -0.69 | 4.26 | 5.46 | 0.018117 | 3.90 | 7.42 | 0.65 | 0.83 |
| San-Giuliano | 8.1 | Q200 | 29.31 | 2.41 | 4.72 | 3.96 | -0.76 | 3.99 | -0.73 | 4.27 | 5.52 | 0.019819 | 3.94 | 7.43 | 0.10 | 0.83 |
| San-Giuliano | 8.1 | Q500 | 29.45 | 2.41 | 4.74 | 3.96 | -0.78 | 3.99 | -0.75 | 4.27 | 5.54 | 0.020261 | 3.96 | 7.43 | | 0.83 |
| San-Giuliano | 8 | Q50 | 28.94 | 1.99 | 4.75 | 3.96 | -0.79 | 3.99 | -0.76 | 4.01 | 5.29 | 0.011779 | 3.27 | 8.85 | | 0.63 |
| San-Giuliano | 8 | Q200 | 29.31 | 1.99 | 4.78 | 3.96 | -0.82 | 3.99 | -0.79 | 4.02 | 5.34 | 0.012077 | 3.31 | 8.85 | | 0.63 |
| San-Giuliano | 8 | Q500 | 29.45 | 1.99 | 4.80 | 3.96 | -0.84 | 3.99 | -0.81 | 4.02 | 5.36 | 0.012197 | 3.33 | 8.85 | | 0.63 |
| San-Giuliano | 7.2 | Q50 | 28.94 | 1.99 | 4.85 | 6.15 | 1.30 | 3.99 | -0.86 | 4.02 | 5.25 | 0.004821 | 2.78 | 10.41 | 4.06 | 0.55 |
| San-Giuliano | 7.2 | Q200 | 29.31 | 1.99 | 4.90 | 6.15 | 1.25 | 3.99 | -0.91 | 4.03 | 5.29 | 0.004716 | 2.76 | 10.60 | 4.06 | 0.55 |
| San-Giuliano | 7.2 | Q500 | 29.45 | 1.99 | 4.92 | 6.15 | 1.23 | 3.99 | -0.93 | 4.04 | 5.31 | 0.004675 | 2.76 | 10.68 | 4.06 | 0.54 |
| San-Giuliano | 7.1 | Q50 | 28.94 | 1.85 | 4.96 | 6.09 | 1.13 | 3.09 | -1.87 | 3.55 | 5.19 | 0.002416 | 2.11 | 13.72 | 4.55 | 0.39 |
| San-Giuliano | 7.1 | Q200 | 29.31 | 1.85 | 5.00 | 6.09 | 1.08 | 3.09 | -1.91 | 3.56 | 5.23 | 0.002384 | 2.10 | 13.92 | 4.55 | 0.38 |
| San-Giuliano | 7.1 | Q500 | 29.45 | 1.85 | 5.02 | 6.09 | 1.07 | 3.09 | -1.93 | 3.57 | 5.25 | 0.002371 | 2.10 | 14.01 | 4.55 | 0.38 |
| San-Giuliano | 7 | Q50 | 28.94 | 1.85 | 4.51 | 3.12 | -1.39 | 3.09 | -1.42 | 3.46 | 5.14 | 0.015973 | 3.54 | 8.18 | | 0.69 |
| San-Giuliano | 7 | Q200 | 29.31 | 1.85 | 4.53 | 3.12 | -1.41 | 3.09 | -1.44 | 3.47 | 5.19 | 0.016377 | 3.58 | 8.18 | | 0.70 |
| San-Giuliano | 7 | Q500 | 29.45 | 1.85 | 4.54 | 3.12 | -1.42 | 3.09 | -1.45 | 3.47 | 5.20 | 0.016540 | 3.60 | 8.18 | | 0.70 |
| San-Giuliano | 6 | Q50 | 28.94 | 1.90 | 4.24 | 3.10 | -1.14 | 3.10 | -1.14 | 3.43 | 4.86 | 0.016128 | 3.51 | 8.24 | | 0.73 |
| San-Giuliano | 6 | Q200 | 29.31 | 1.90 | 4.26 | 3.10 | -1.16 | 3.10 | -1.16 | 3.44 | 4.90 | 0.016536 | 3.56 | 8.24 | | 0.74 |
| San-Giuliano | 6 | Q500 | 29.45 | 1.90 | 4.26 | 3.10 | -1.16 | 3.10 | -1.16 | 3.45 | 4.91 | 0.016700 | 3.58 | 8.24 | | 0.74 |
| San-Giuliano | 5 | Q50 | 28.94 | 1.90 | 4.10 | 2.82 | -1.28 | 2.83 | -1.27 | 3.44 | 4.82 | 0.019689 | 3.77 | 7.68 | | 0.81 |
| San-Giuliano | 5 | Q200 | 29.31 | 1.90 | 4.12 | 2.82 | -1.30 | 2.83 | -1.29 | 3.46 | 4.86 | 0.020187 | 3.82 | 7.68 | | 0.82 |
| San-Giuliano | 5 | Q500 | 29.45 | 1.90 | 4.12 | 2.82 | -1.30 | 2.83 | -1.29 | 3.46 | 4.87 | 0.020387 | 3.84 | 7.68 | | 0.82 |
| San-Giuliano | 4 | Q50 | 28.94 | 1.85 | 3.36 | 2.88 | -0.48 | 2.86 | -0.50 | 3.36 | 4.46 | 0.025482 | 4.65 | 6.22 | 2.83 | 1.21 |
| San-Giuliano | 4 | Q200 | 29.31 | 1.85 | 3.37 | 2.88 | -0.49 | 2.86 | -0.51 | 3.37 | 4.49 | 0.025894 | 4.69 | 6.25 | 2.79 | 1.22 |
| San-Giuliano | 4 | Q500 | 29.45 | 1.85 | 3.37 | 2.88 | -0.49 | 2.86 | -0.51 | 3.37 | 4.50 | 0.026052 | 4.70 | 6.26 | 2.77 | 1.22 |
| San-Giuliano | 3 | Q50 | 28.94 | 1.82 | 3.67 | 3.90 | 0.23 | 3.91 | 0.24 | 3.37 | 4.19 | 0.007582 | 3.21 | 9.03 | 5.02 | 0.76 |
| San-Giuliano | 3 | Q200 | 29.31 | 1.82 | 3.68 | 3.90 | 0.22 | 3.91 | 0.23 | 3.38 | 4.21 | 0.007602 | 3.22 | 9.10 | 5.02 | 0.76 |
| San-Giuliano | 3 | Q500 | 29.45 | 1.82 | 3.69 | 3.90 | 0.21 | 3.91 | 0.22 | 3.38 | 4.22 | 0.007610 | 3.23 | 9.13 | 5.02 | 0.76 |
| San-Giuliano | 2 | Q50 | 28.94 | 1.80 | 3.36 | 3.90 | 0.54 | 3.90 | 0.54 | 3.36 | 4.12 | 0.012675 | 3.85 | 7.51 | 4.98 | 1.00 |
| San-Giuliano | 2 | Q200 | 29.31 | 1.80 | 3.37 | 3.90 | 0.53 | 3.90 | 0.53 | 3.37 | 4.14 | 0.012693 | 3.87 | 7.58 | 4.98 | 1.00 |

HEC-RAS Plan: VALLE-ATT+weir River: San-Giuliano Reach: San-Giuliano (Continued)

| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | LOB Elev (m) | L. Freeboard (m) | ROB Elev (m) | R. Freeboard (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|--------------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| San-Giuliano | 2 | Q500 | 29.45 | 1.80 | 3.38 | 3.90 | 0.52 | 3.90 | 0.52 | 3.38 | 4.14 | 0.012700 | 3.87 | 7.60 | 4.98 | 1.00 |
| San-Giuliano | 1 | Q50 | 28.94 | 1.80 | 2.82 | 4.59 | 1.77 | 4.79 | 1.97 | 2.82 | 3.27 | 0.008881 | 2.99 | 9.69 | 10.76 | 1.00 |
| San-Giuliano | 1 | Q200 | 29.31 | 1.80 | 2.83 | 4.59 | 1.76 | 4.79 | 1.96 | 2.83 | 3.29 | 0.008863 | 3.00 | 9.78 | 10.78 | 1.00 |
| San-Giuliano | 1 | Q500 | 29.45 | 1.80 | 2.83 | 4.59 | 1.76 | 4.79 | 1.96 | 2.83 | 3.29 | 0.008856 | 3.00 | 9.81 | 10.78 | 1.00 |