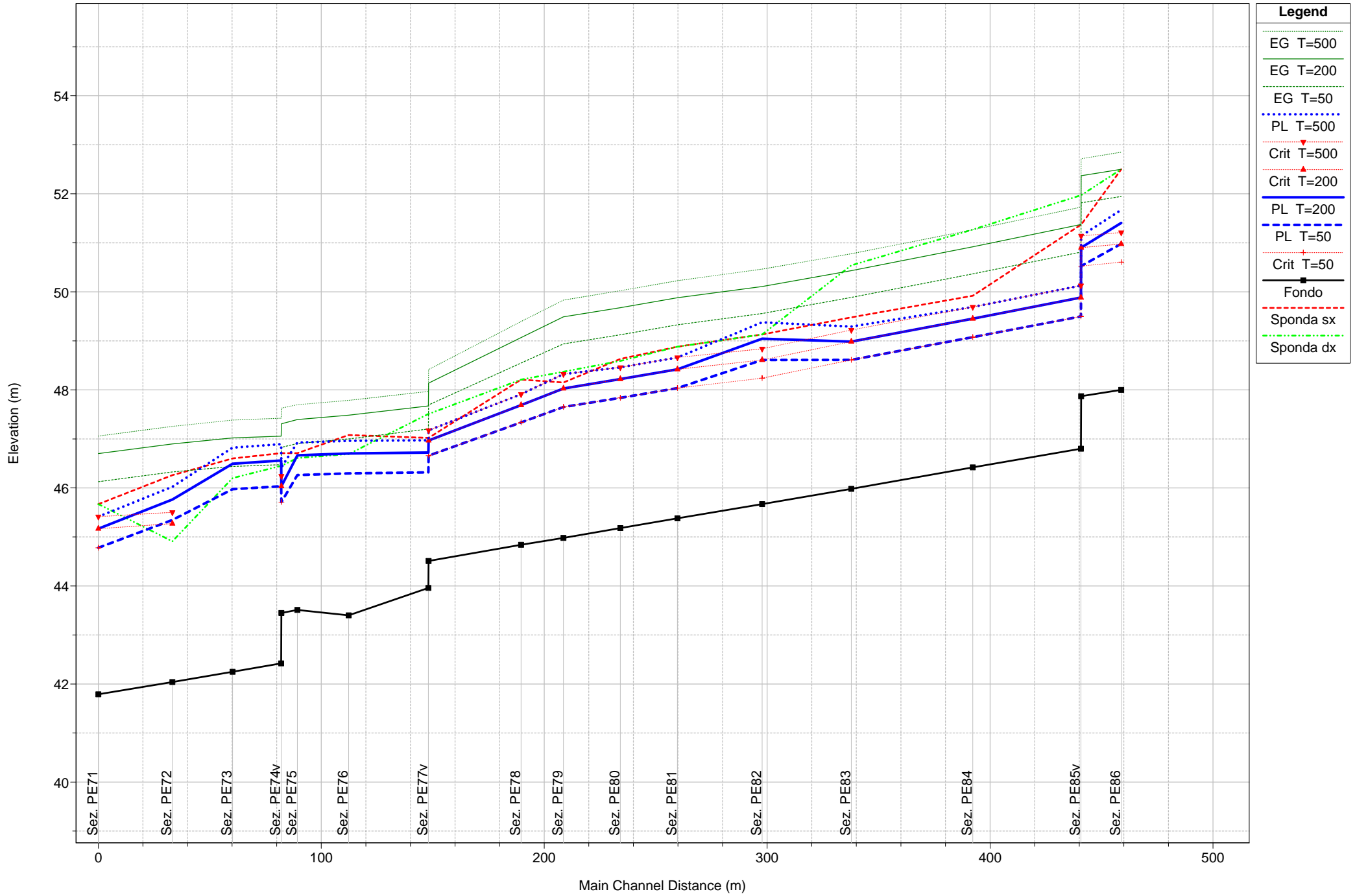
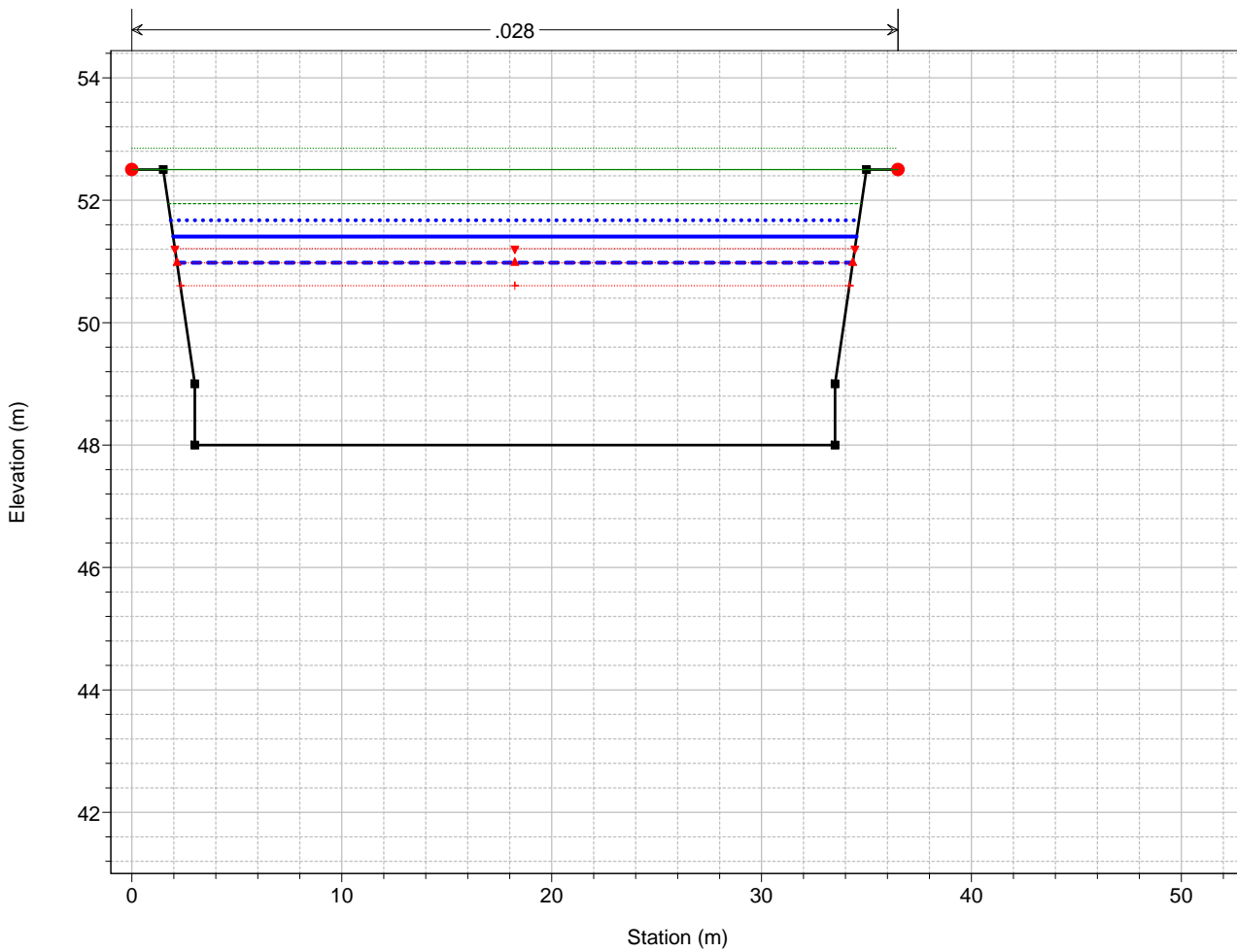


T. Petronio - Confl. Bargonasco



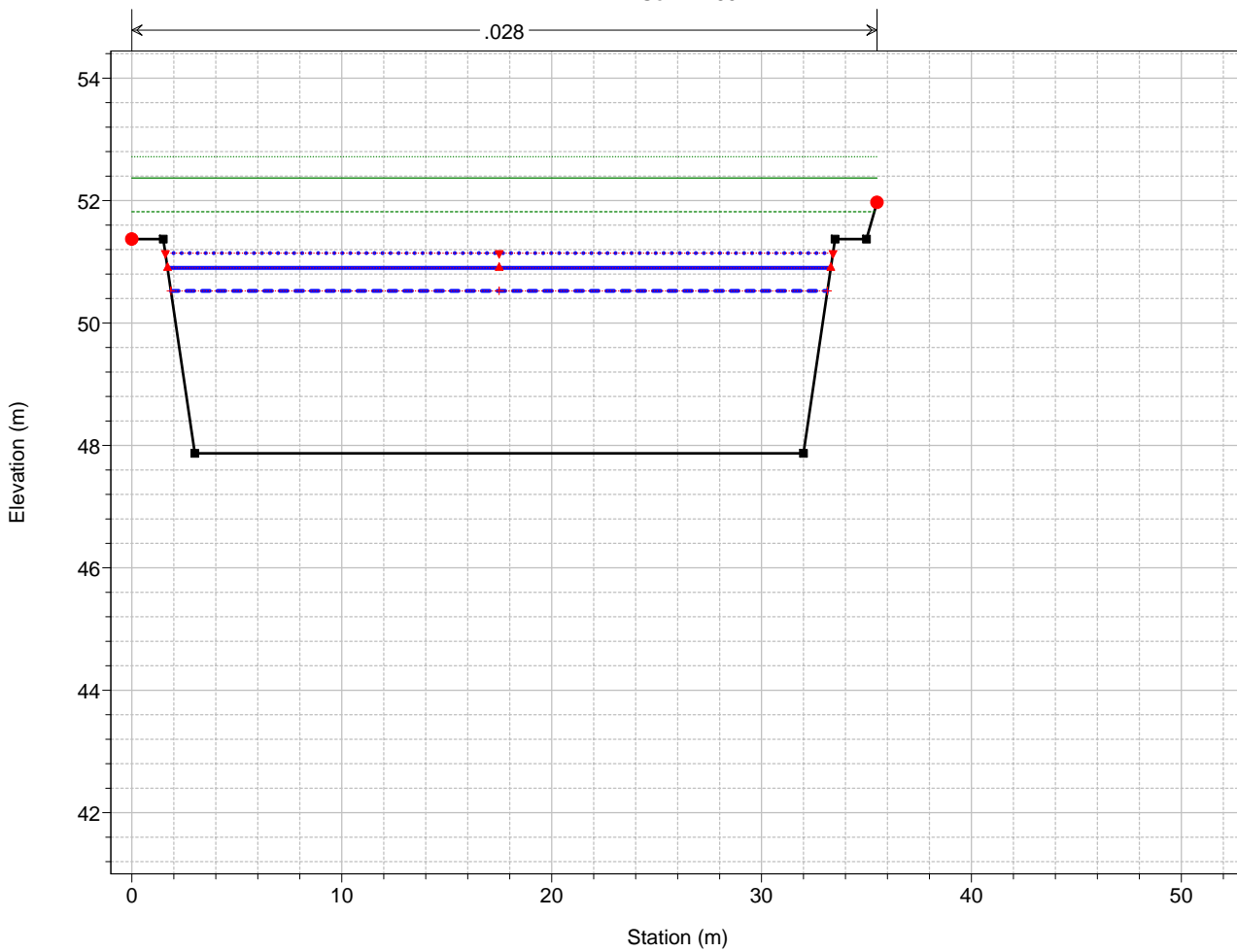
1 cm Horiz. = 22 m 1 cm Vert. = 1 m

T. Petronio - Confl. Bargonasco
Sez. PE86



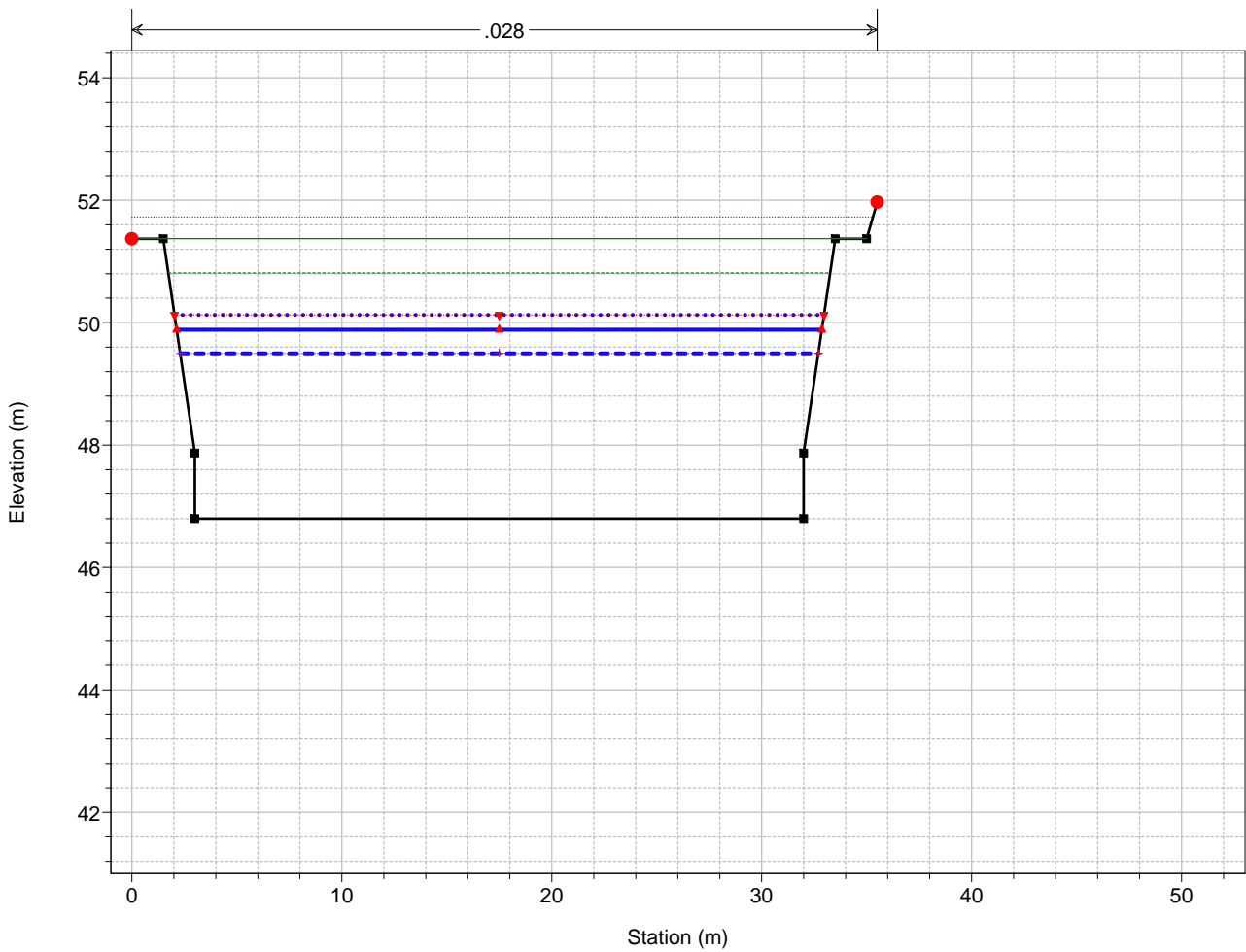
| Legend | |
|------------|------------------|
| EG T=500 | — (dotted green) |
| EG T=200 | — (dotted green) |
| EG T=50 | — (dotted green) |
| PL T=500 | — (dotted blue) |
| PL T=200 | — (solid blue) |
| Crit T=500 | — (dotted red) |
| Crit T=200 | — (dotted red) |
| PL T=50 | — (dashed blue) |
| Crit T=200 | ▲ (red triangle) |
| Crit T=50 | ▲ (red triangle) |
| Crit T=50 | ▲ (red triangle) |
| Fondo | ■ (black square) |
| Sponda | ● (red circle) |

T. Petronio - Confl. Bargonasco
Sez. PE85m

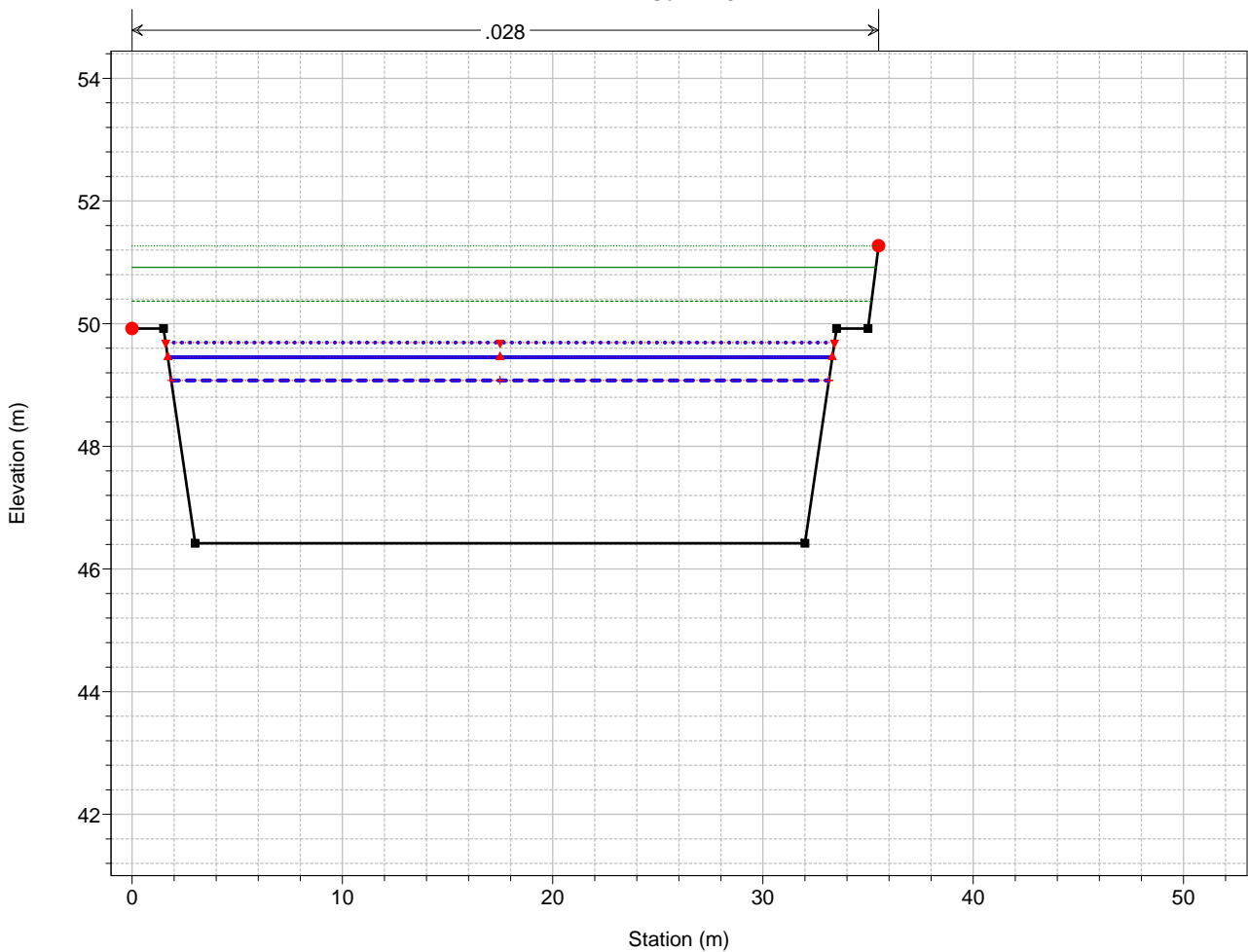


| Legend | |
|------------|------------------|
| EG T=500 | — (dotted green) |
| EG T=200 | — (dotted green) |
| EG T=50 | — (dotted green) |
| PL T=500 | — (dotted blue) |
| PL T=200 | — (solid blue) |
| Crit T=500 | — (dotted red) |
| Crit T=200 | — (dotted red) |
| PL T=50 | — (dashed blue) |
| Crit T=200 | ▲ (red triangle) |
| Crit T=50 | ▲ (red triangle) |
| Crit T=50 | ▲ (red triangle) |
| Fondo | ■ (black square) |
| Sponda | ● (red circle) |

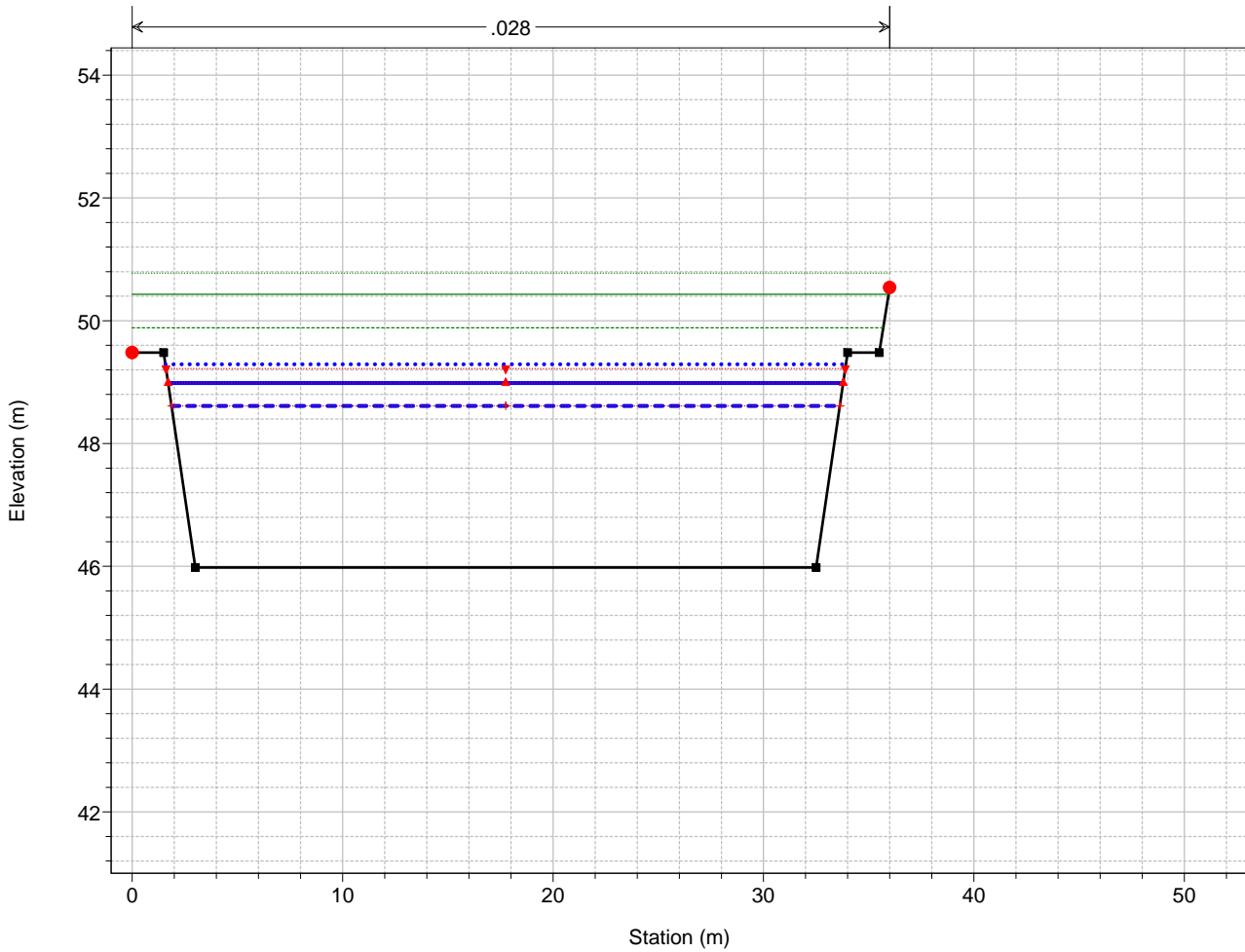
T. Petronio - Confl. Bargonasco
Sez. PE85v



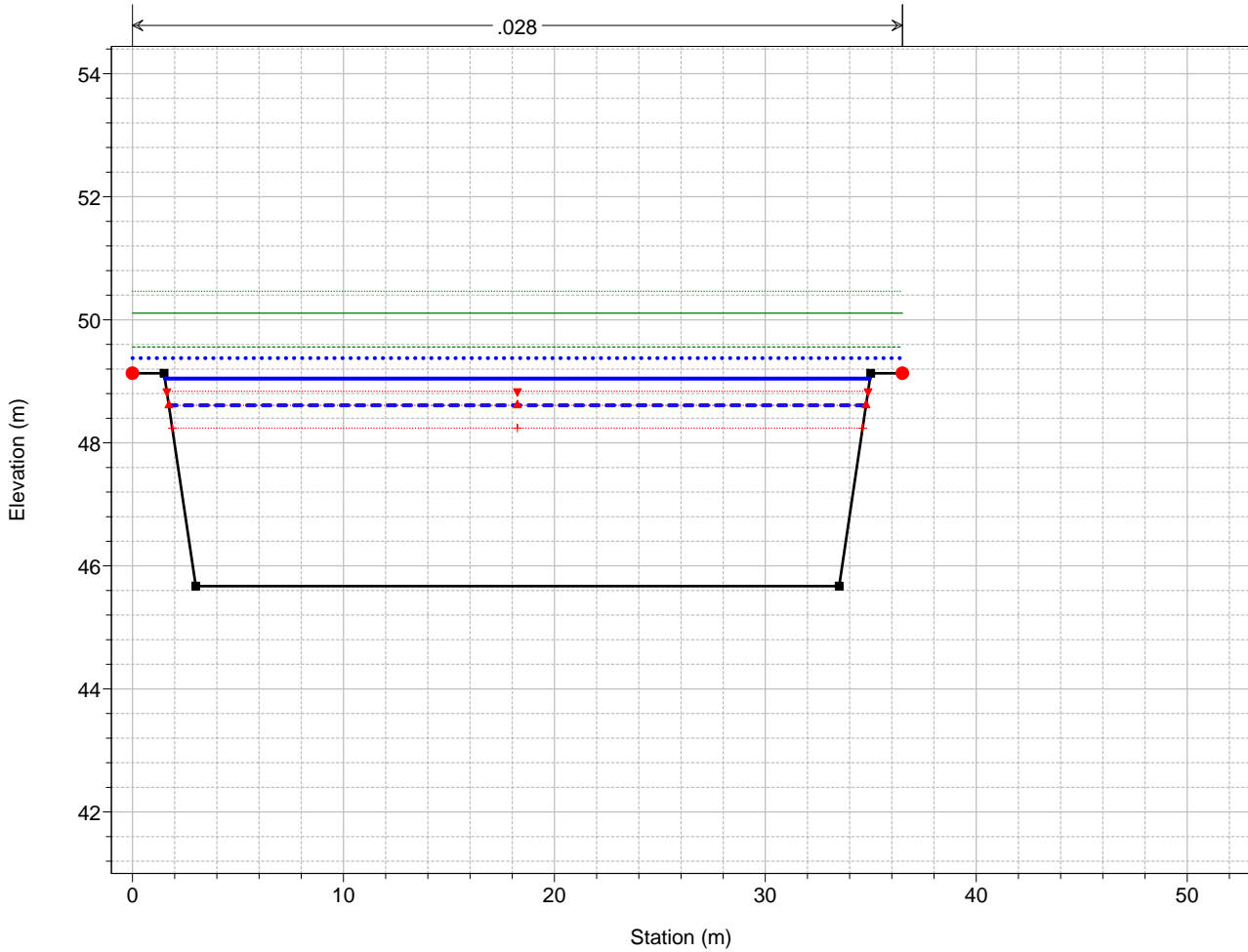
T. Petronio - Confl. Bargonasco
Sez. PE84



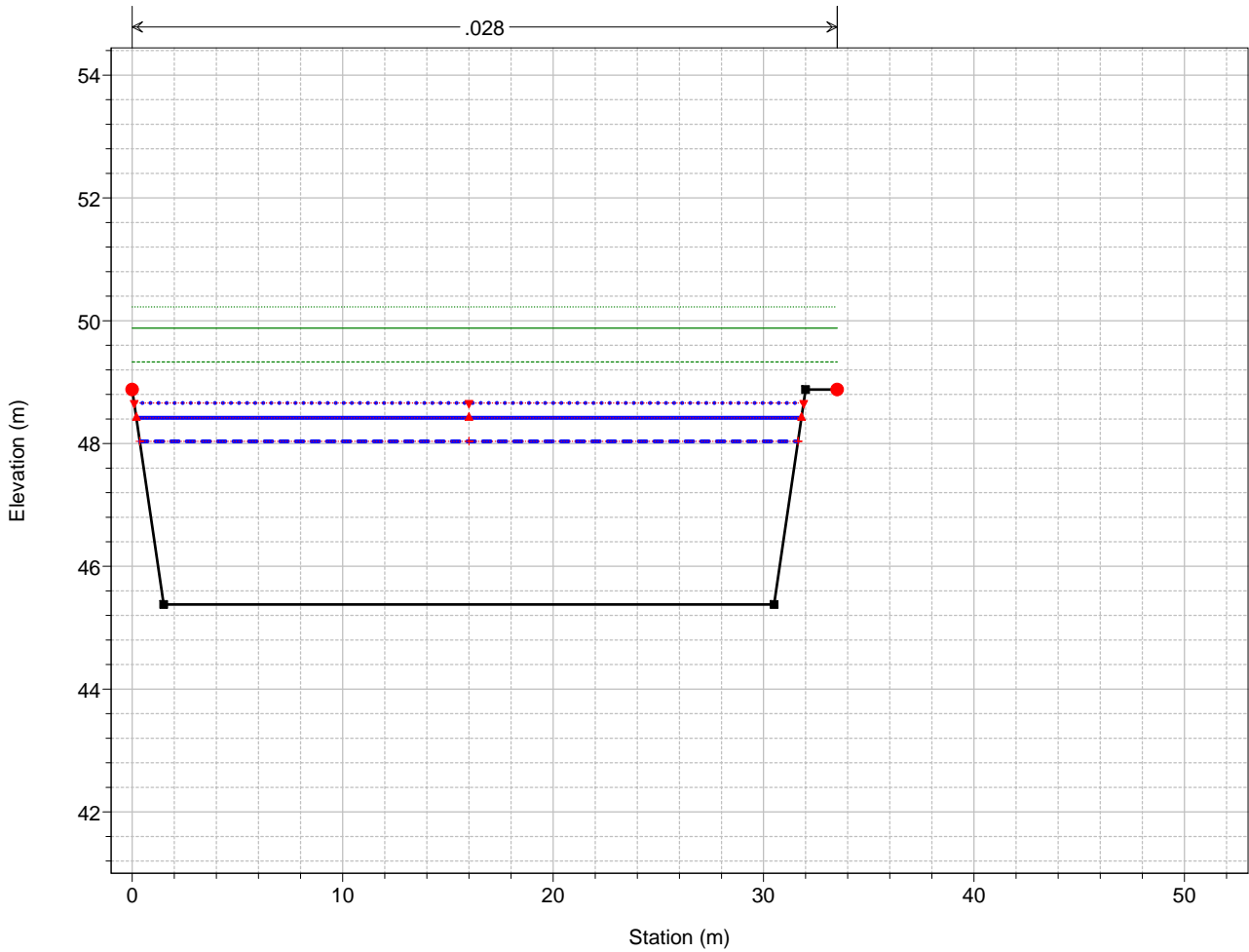
T. Petronio - Confl. Bargonasco
Sez. PE83



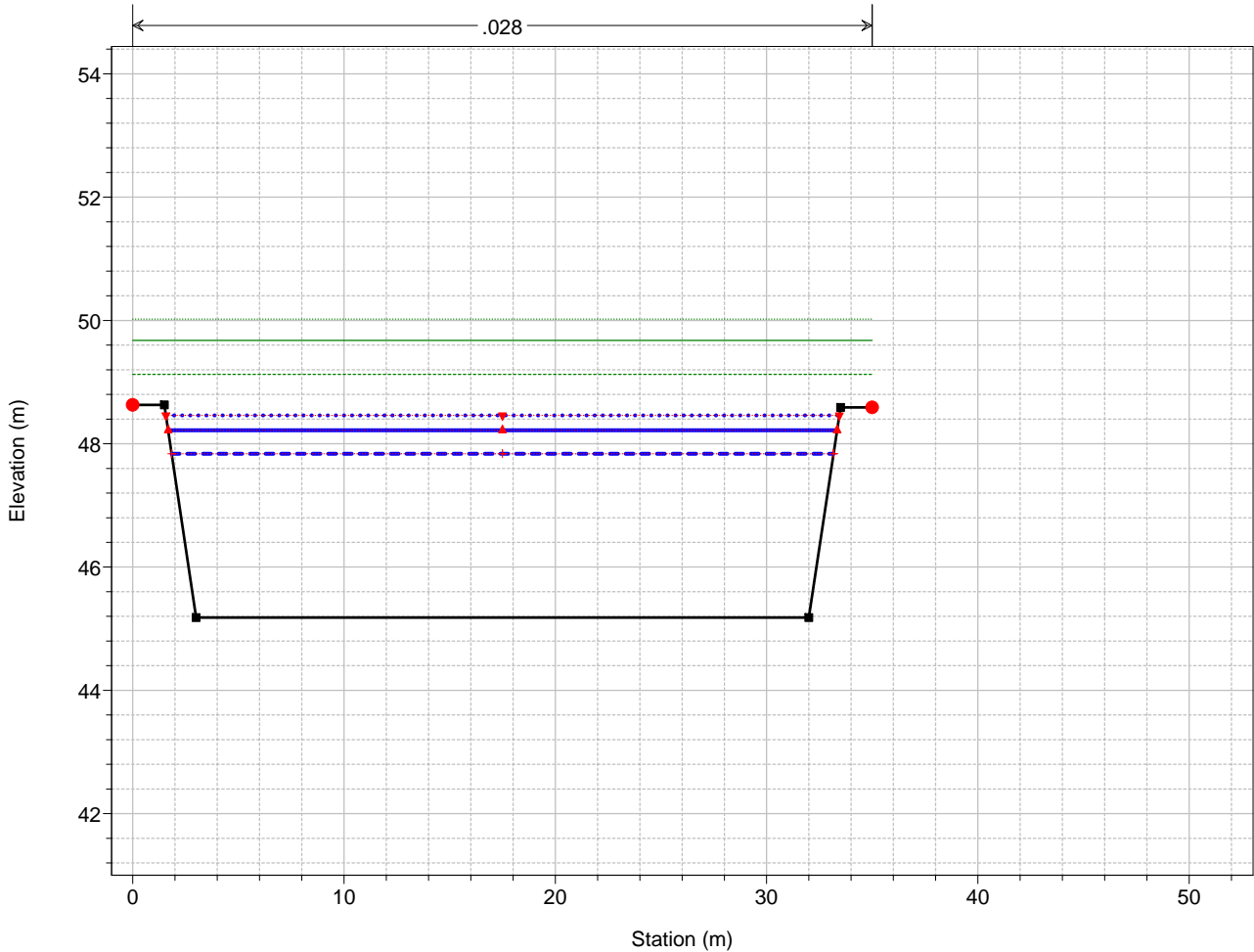
T. Petronio - Confl. Bargonasco
Sez. PE82



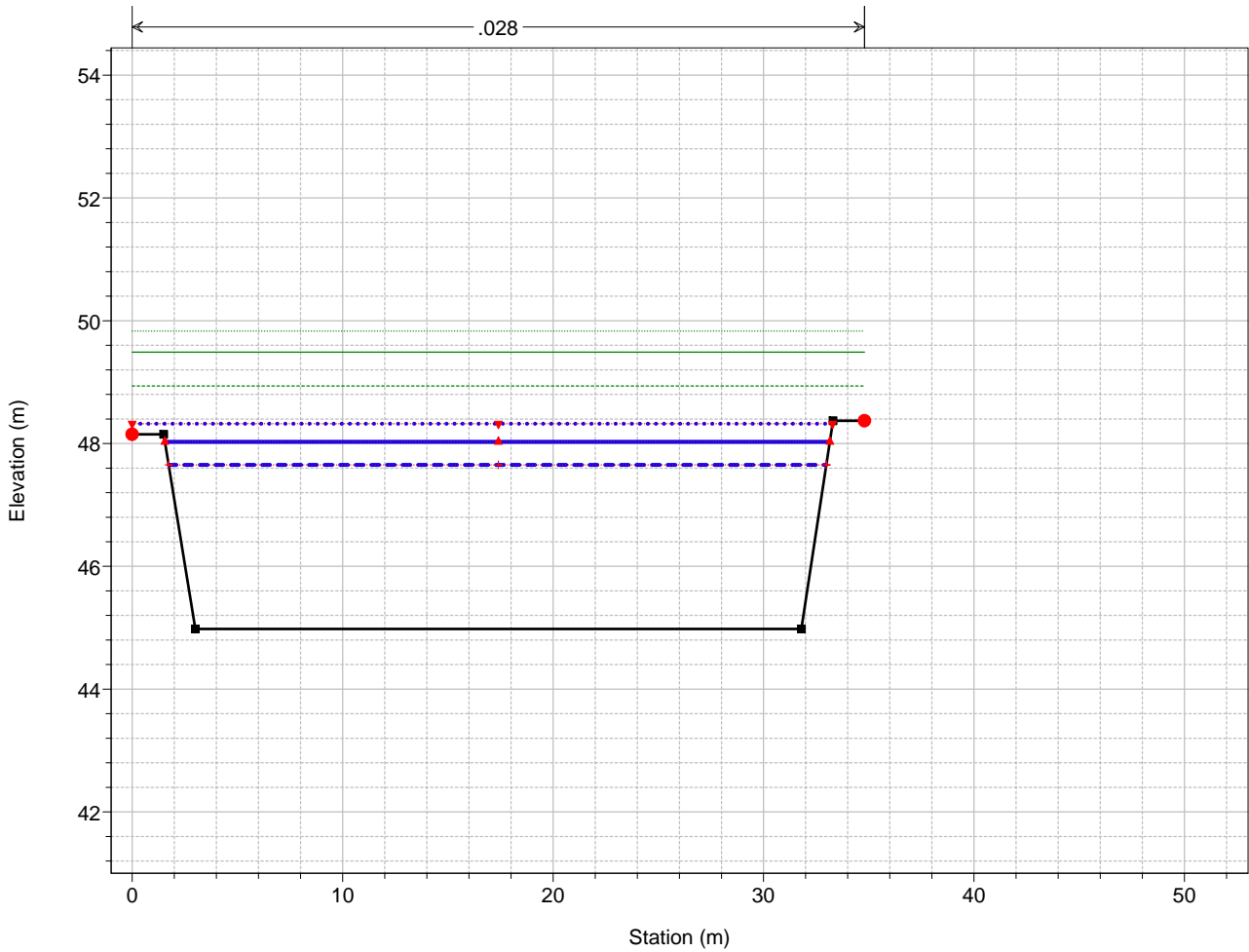
T. Petronio - Confl. Bargonasco
Sez. PE81



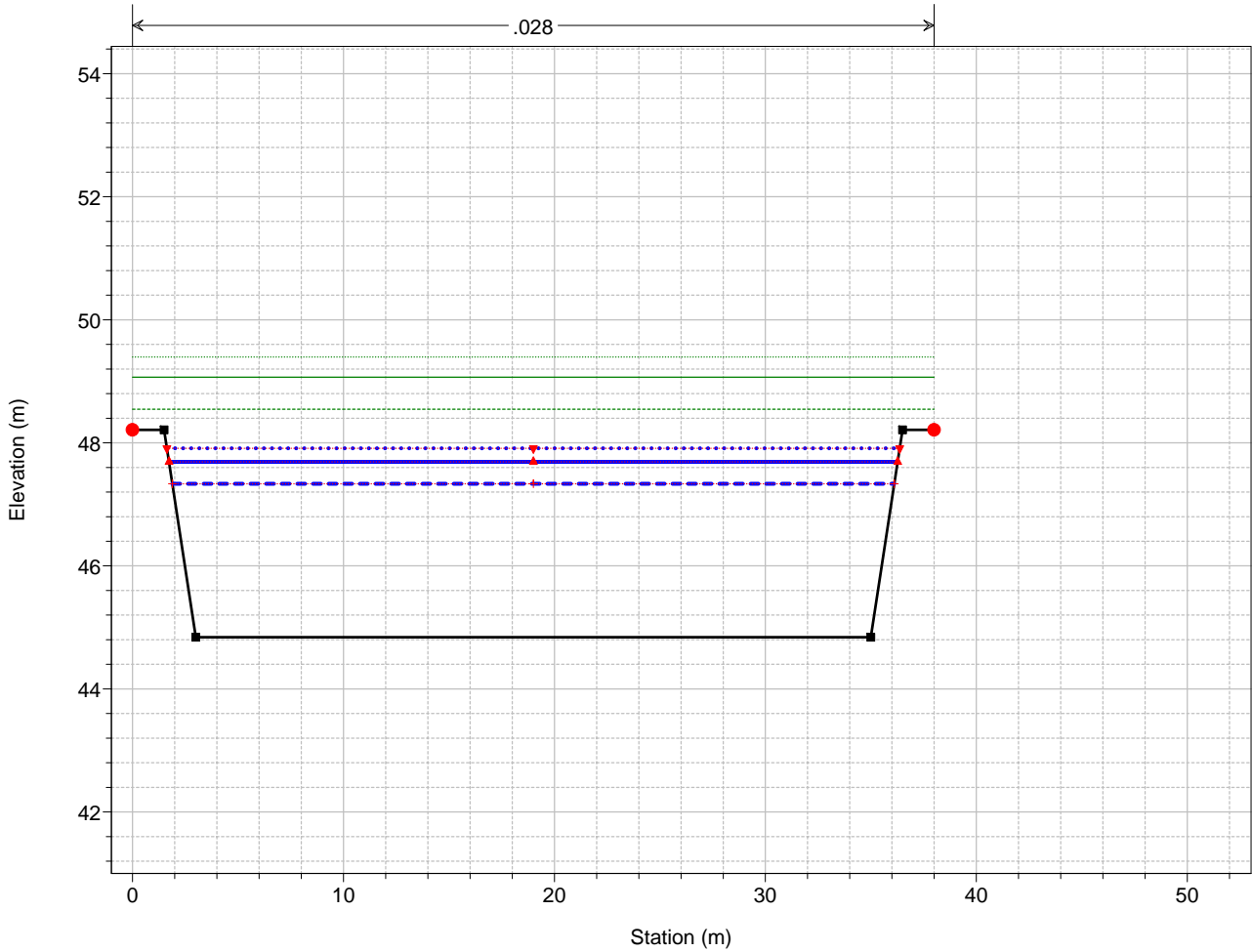
T. Petronio - Confl. Bargonasco
Sez. PE80



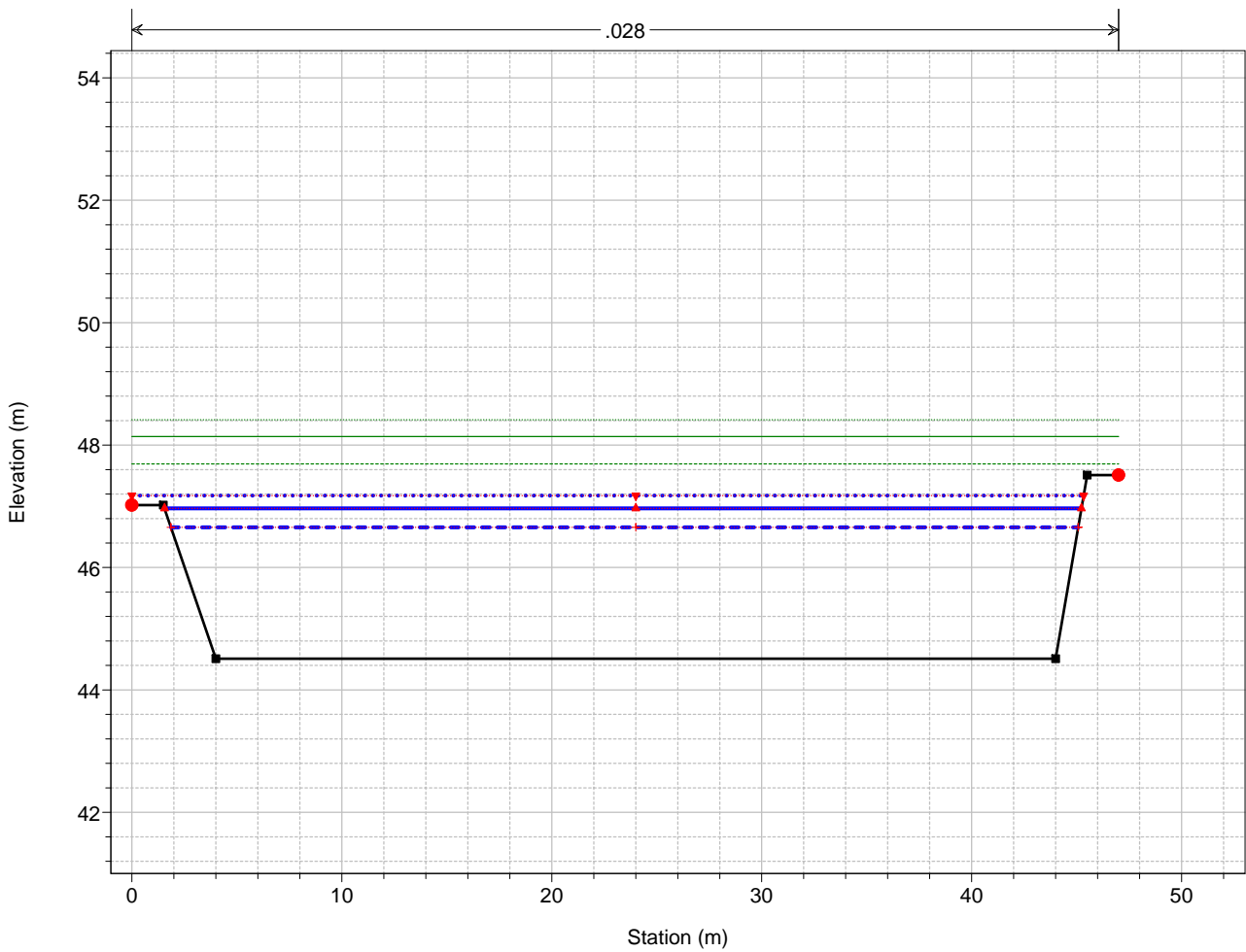
T. Petronio - Confl. Bargonasco
Sez. PE79



T. Petronio - Confl. Bargonasco
Sez. PE78

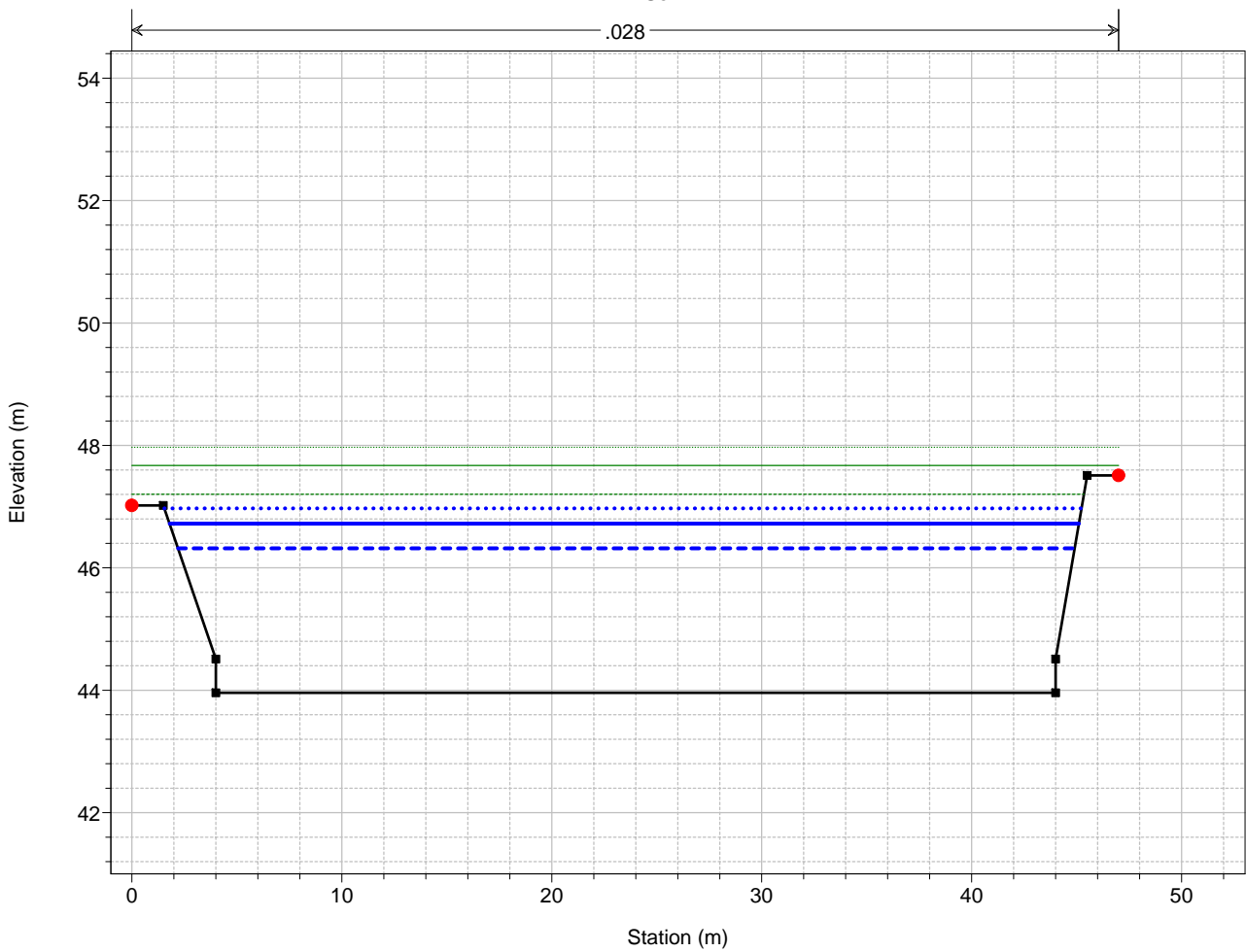


T. Petronio - Confl. Bargonasco
Sez. PE77m



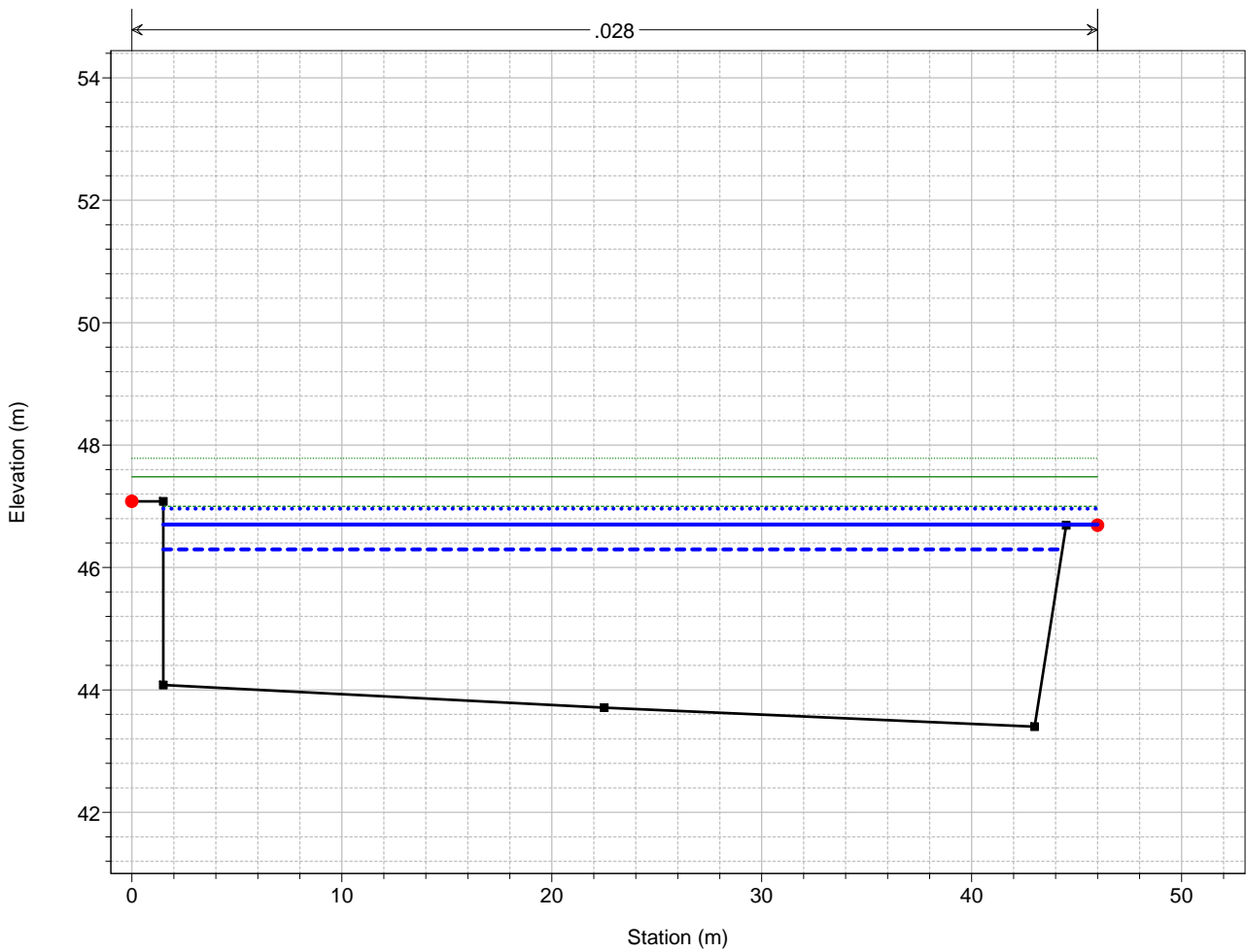
| Legend | |
|------------|--|
| EG T=500 | (Green dotted line) |
| EG T=200 | (Green solid line) |
| EG T=50 | (Green dashed line) |
| PL T=500 | (Blue dotted line) |
| Crit T=500 | (Red dotted line) |
| Crit T=200 | (Red solid line) |
| PL T=200 | (Blue solid line) |
| PL T=50 | (Blue dashed line) |
| Crit T=50 | (Red dashed line) |
| Fondo | (Black solid line with square markers) |
| Sponda | (Red solid line with circle markers) |

T. Petronio - Confl. Bargonasco
Sez. PE77v



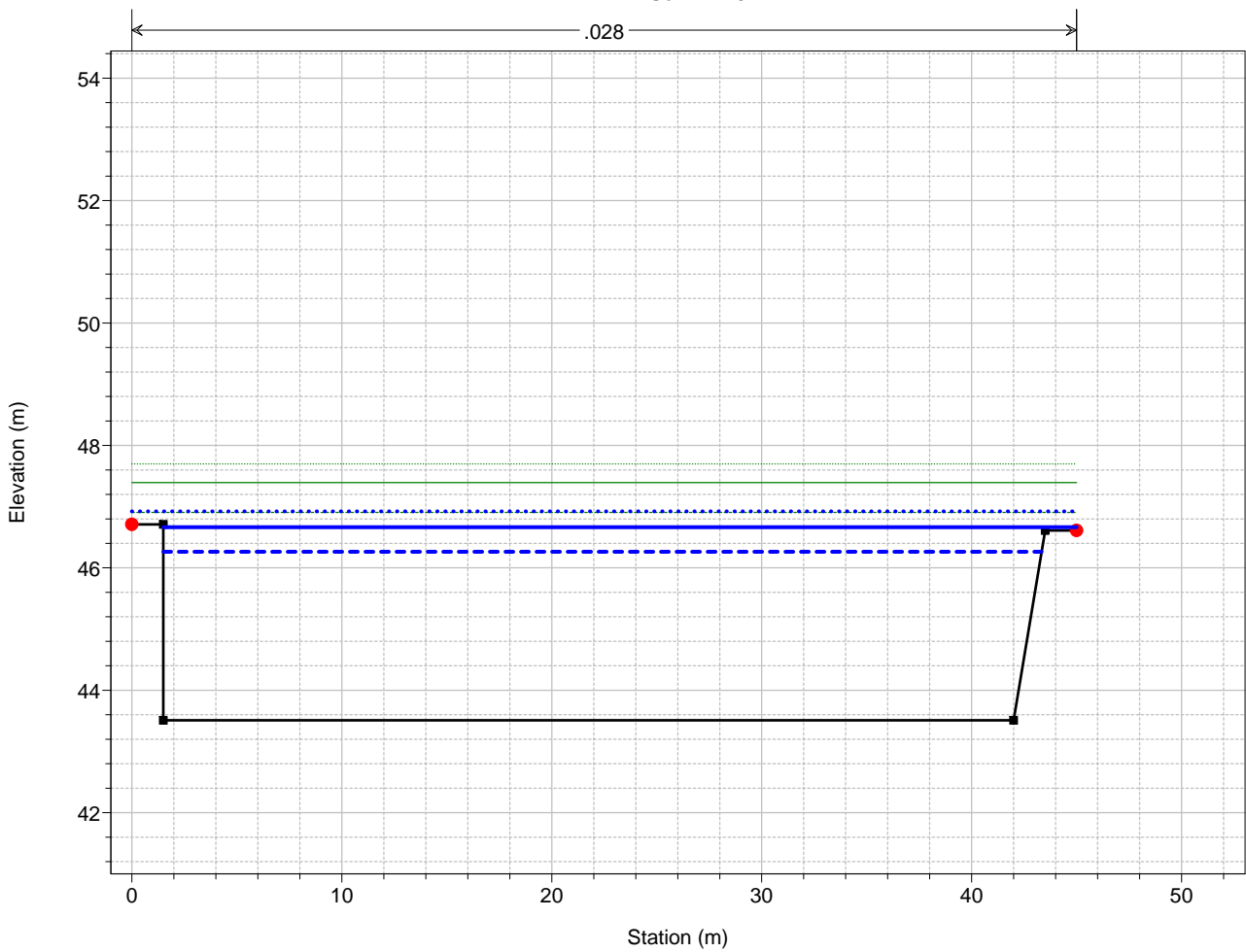
| Legend | |
|----------|--|
| EG T=500 | (Green dotted line) |
| EG T=200 | (Green solid line) |
| EG T=50 | (Green dashed line) |
| PL T=500 | (Blue dotted line) |
| PL T=200 | (Blue solid line) |
| PL T=50 | (Blue dashed line) |
| Fondo | (Black solid line with square markers) |
| Sponda | (Red solid line with circle markers) |

T. Petronio - Confl. Bargonasco
Sez. PE76



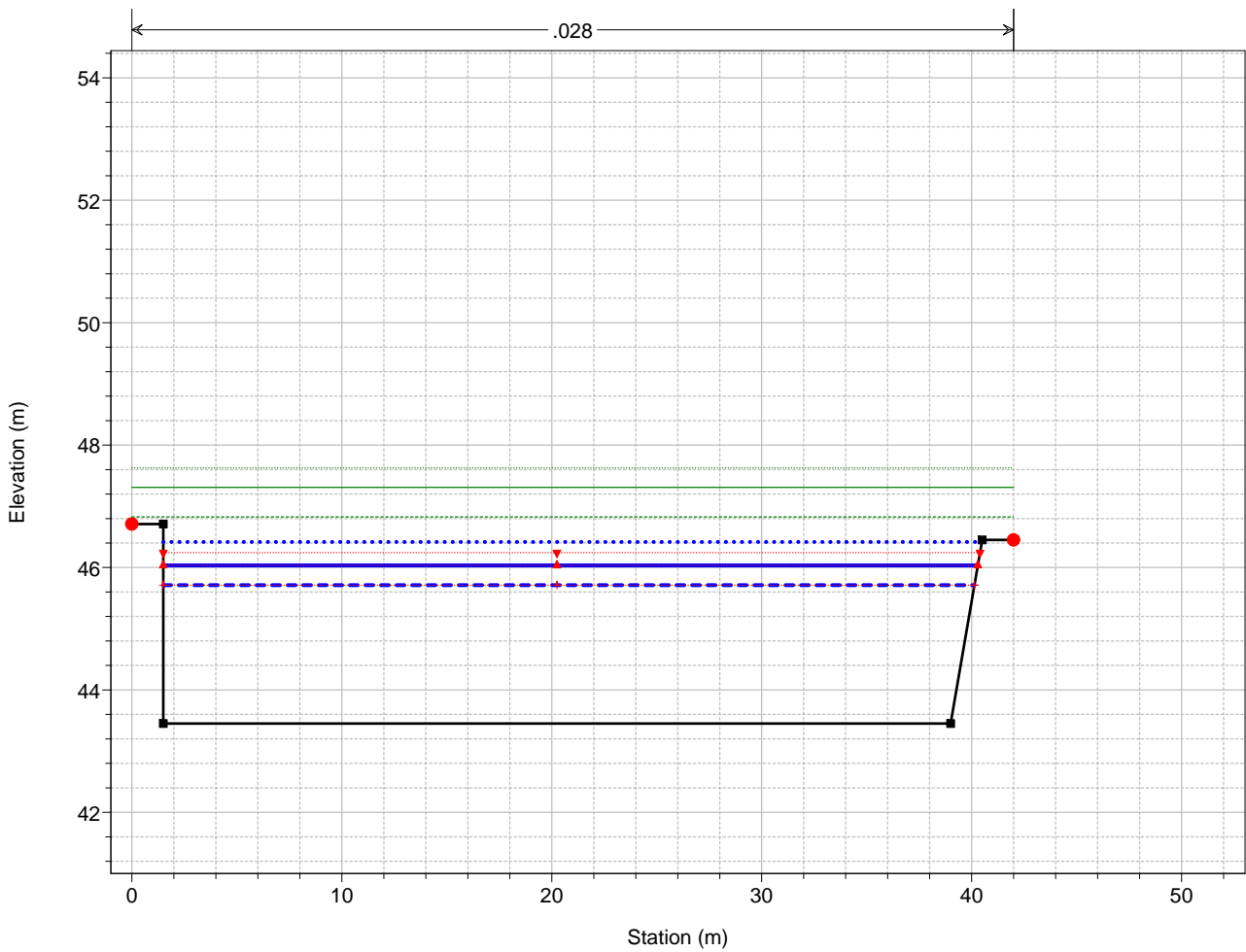
| Legend | |
|----------|---------------------------------------|
| EG T=500 | (Dotted Green Line) |
| EG T=200 | (Solid Green Line) |
| EG T=50 | (Dotted Green Line) |
| PL T=500 | (Dotted Blue Line) |
| PL T=200 | (Solid Blue Line) |
| PL T=50 | (Dashed Blue Line) |
| Fondo | (Solid Black Line with Square Marker) |
| Sponda | (Red Dot) |

T. Petronio - Confl. Bargonasco
Sez. PE75



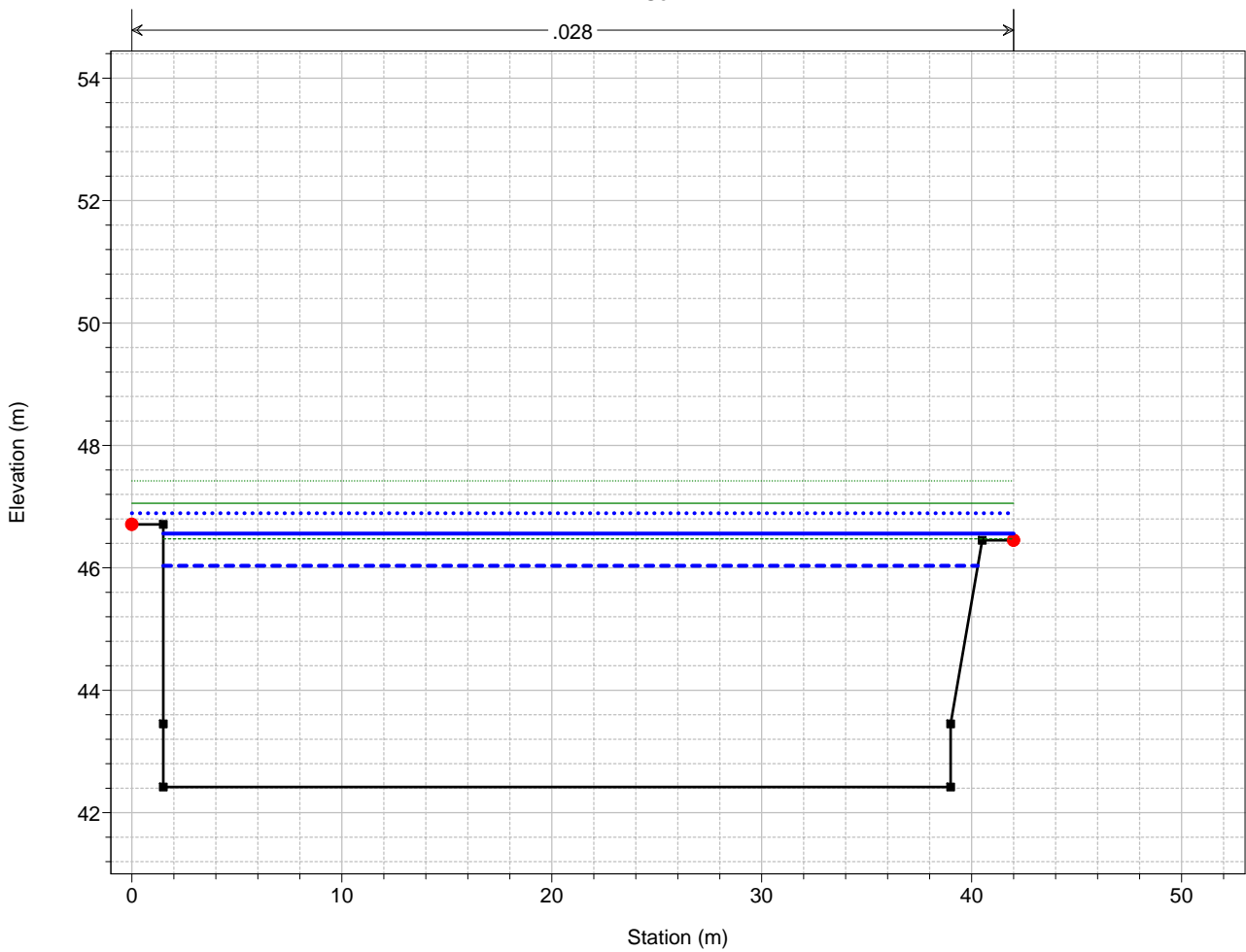
| Legend | |
|----------|---------------------------------------|
| EG T=500 | (Dotted Green Line) |
| EG T=200 | (Solid Green Line) |
| EG T=50 | (Dotted Green Line) |
| PL T=500 | (Dotted Blue Line) |
| PL T=200 | (Solid Blue Line) |
| PL T=50 | (Dashed Blue Line) |
| Fondo | (Solid Black Line with Square Marker) |
| Sponda | (Red Dot) |

T. Petronio - Confl. Bargonasco
Sez. PE74m



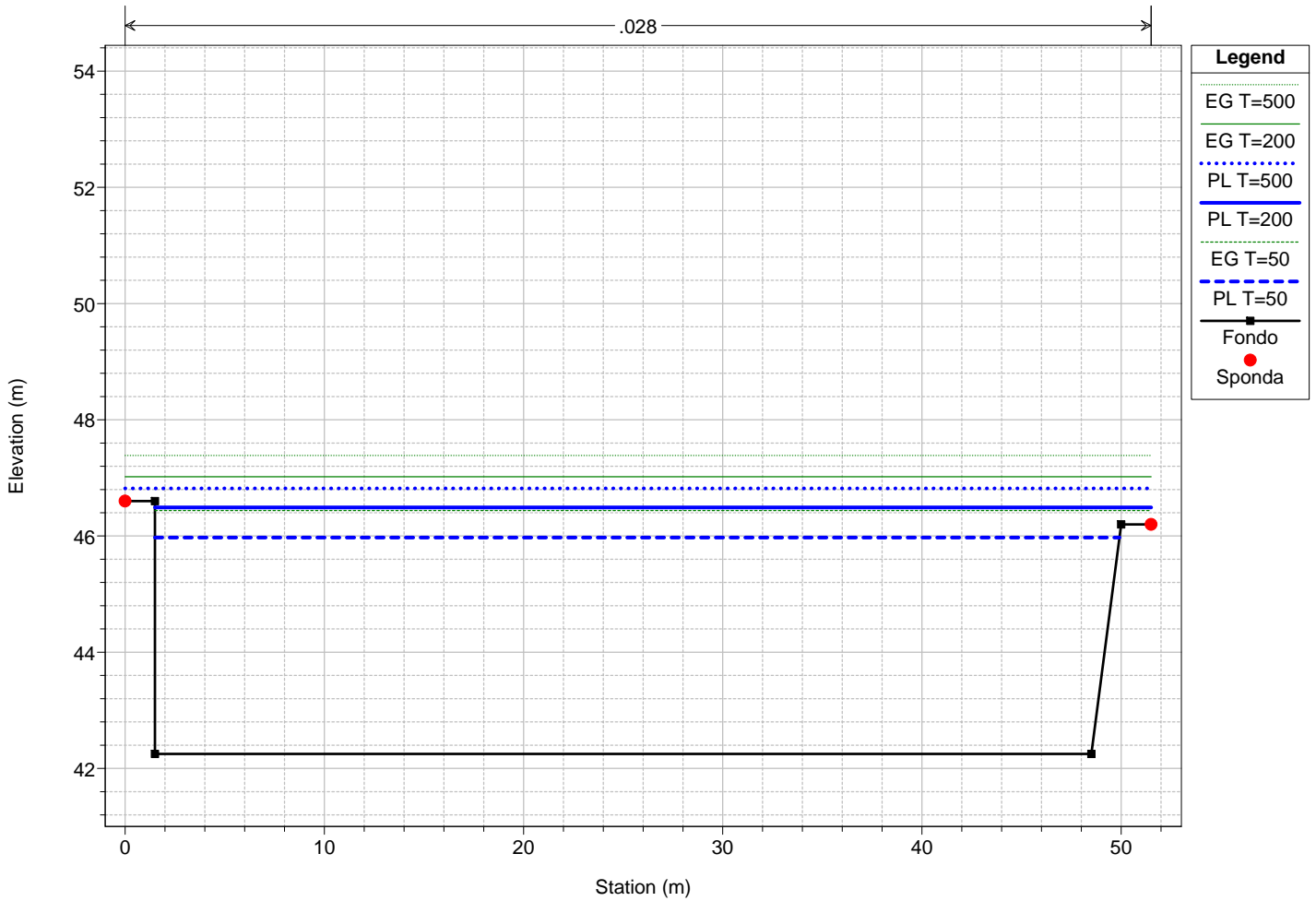
| Legend | |
|------------|---------------------|
| EG T=500 | (Green dotted line) |
| EG T=200 | (Green solid line) |
| EG T=50 | (Green dashed line) |
| PL T=500 | (Blue dotted line) |
| Crit T=500 | (Red triangle) |
| Crit T=200 | (Red triangle) |
| PL T=200 | (Blue solid line) |
| PL T=50 | (Blue dashed line) |
| Crit T=50 | (Red triangle) |
| Fondo | (Black square) |
| Sponda | (Red circle) |

T. Petronio - Confl. Bargonasco
Sez. PE74v

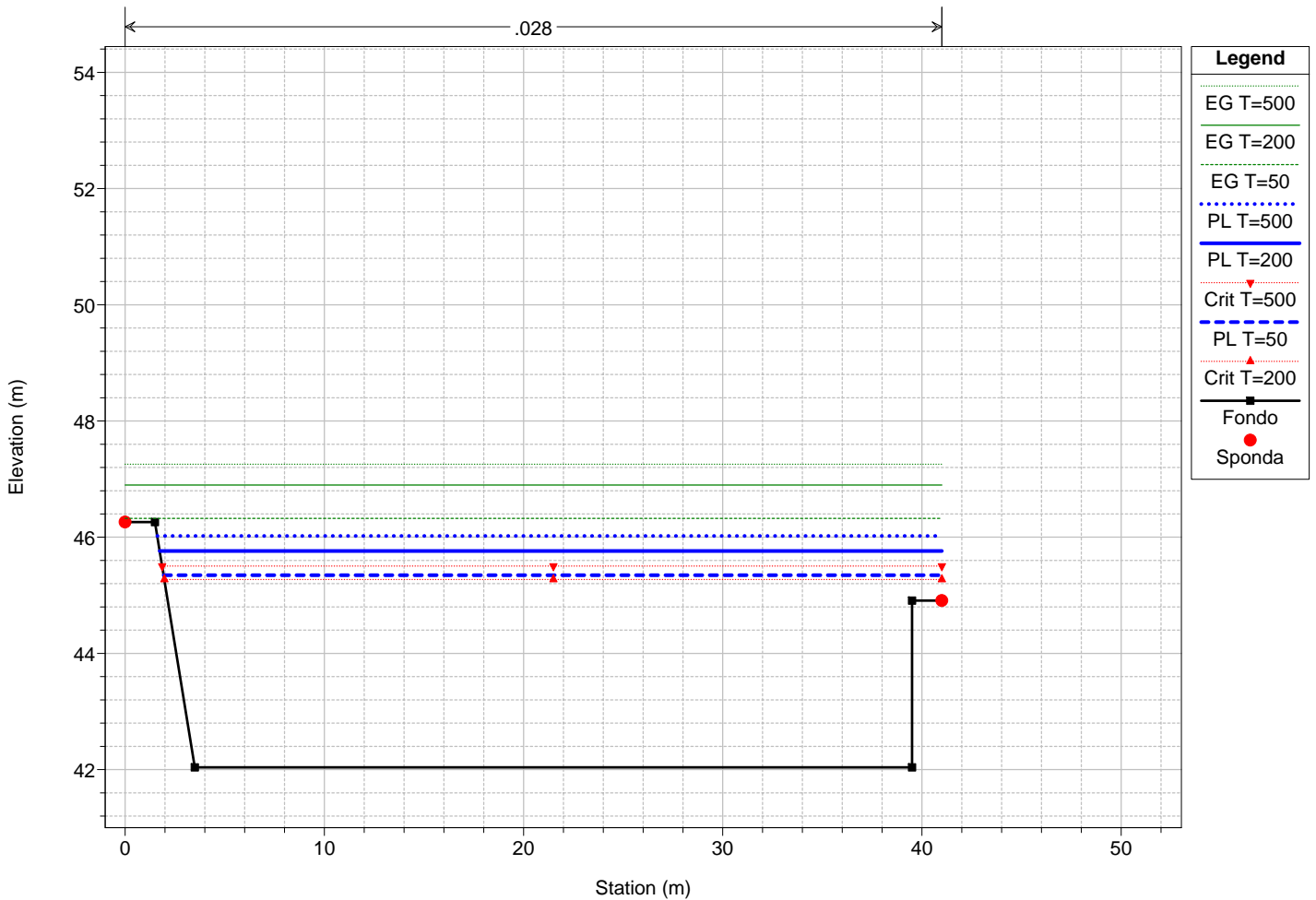


| Legend | |
|----------|---------------------|
| EG T=500 | (Green dotted line) |
| EG T=200 | (Green solid line) |
| PL T=500 | (Blue dotted line) |
| PL T=200 | (Blue solid line) |
| EG T=50 | (Green dashed line) |
| PL T=50 | (Blue dashed line) |
| Fondo | (Black square) |
| Sponda | (Red circle) |

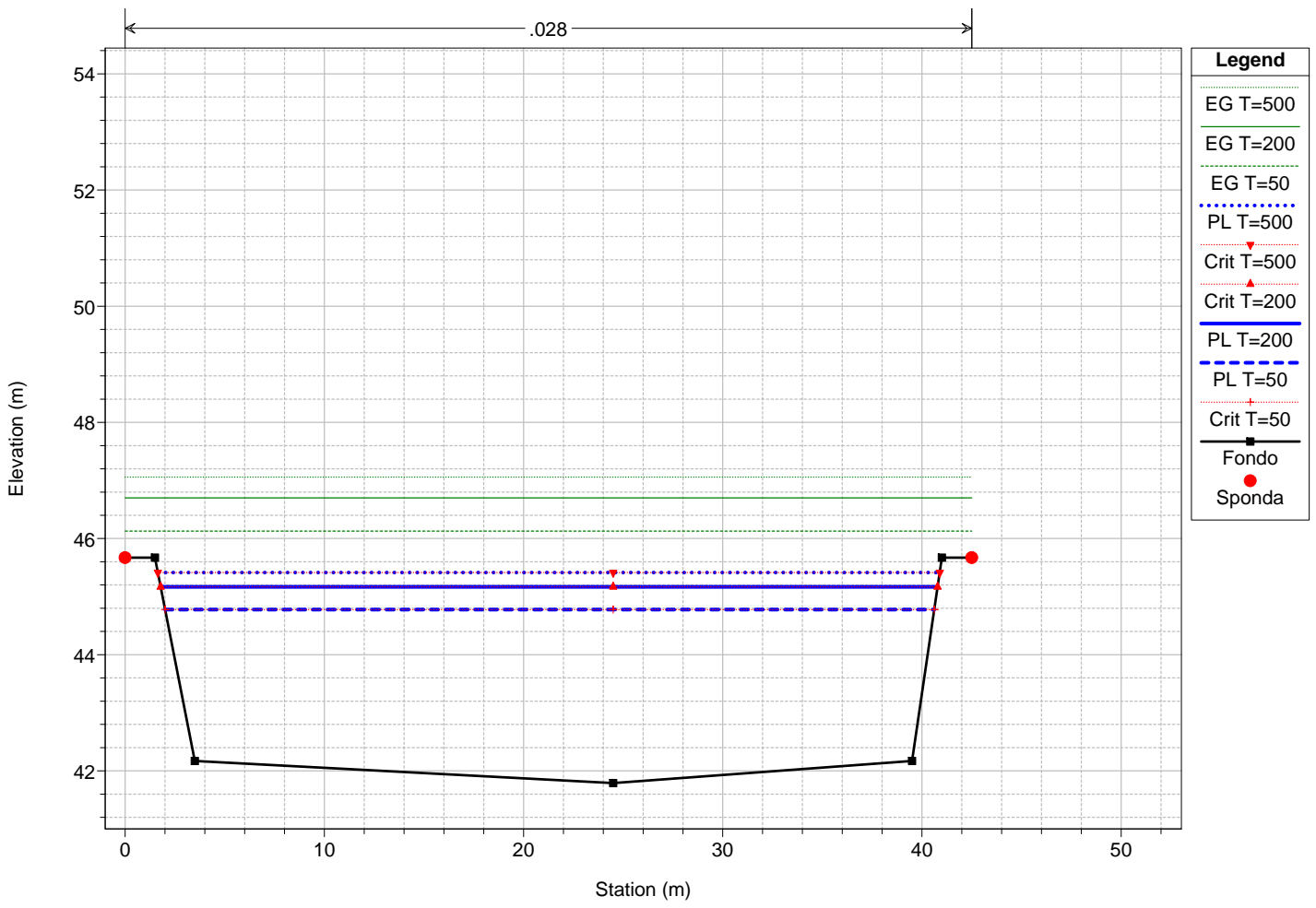
T. Petronio - Confl. Bargonasco
Sez. PE73



T. Petronio - Confl. Bargonasco
Sez. PE72



T. Petronio - Confl. Bargonasco
Sez. PE71



| 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 |
|------------------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| Conf. Bargonasco | 86 | T=50 | 403.00 | 48.00 | 50.98 | 52.50 | 1.52 | 52.50 | 1.52 | 50.60 | 51.95 | 0.004344 | 4.35 | 92.57 | 32.20 | 0.82 |
| Conf. Bargonasco | 86 | T=200 | 493.00 | 48.00 | 51.41 | 52.50 | 1.09 | 52.50 | 1.09 | 50.98 | 52.50 | 0.004232 | 4.64 | 106.35 | 32.56 | 0.82 |
| Conf. Bargonasco | 86 | T=500 | 553.00 | 48.00 | 51.67 | 52.50 | 0.83 | 52.50 | 0.83 | 51.21 | 52.85 | 0.004175 | 4.80 | 115.11 | 32.79 | 0.82 |
| Conf. Bargonasco | 85.2 | T=50 | 403.00 | 47.87 | 50.53 | 51.37 | 0.84 | 51.97 | 1.44 | 50.53 | 51.82 | 0.006540 | 5.03 | 80.05 | 31.28 | 1.00 |
| Conf. Bargonasco | 85.2 | T=200 | 493.00 | 47.87 | 50.90 | 51.37 | 0.47 | 51.97 | 1.07 | 50.90 | 52.37 | 0.006377 | 5.37 | 91.87 | 31.60 | 1.00 |
| Conf. Bargonasco | 85.2 | T=500 | 553.00 | 47.87 | 51.14 | 51.37 | 0.23 | 51.97 | 0.83 | 51.14 | 52.72 | 0.006278 | 5.56 | 99.47 | 31.80 | 1.00 |
| Conf. Bargonasco | 85.1 | T=50 | 403.00 | 46.80 | 49.50 | 51.37 | 1.87 | 51.97 | 2.47 | 49.50 | 50.81 | 0.006688 | 5.07 | 79.42 | 30.40 | 1.00 |
| Conf. Bargonasco | 85.1 | T=200 | 493.00 | 46.80 | 49.88 | 51.37 | 1.49 | 51.97 | 2.09 | 49.88 | 51.37 | 0.006522 | 5.41 | 91.18 | 30.73 | 1.00 |
| Conf. Bargonasco | 85.1 | T=500 | 553.00 | 46.80 | 50.13 | 51.37 | 1.24 | 51.97 | 1.84 | 50.13 | 51.73 | 0.006436 | 5.61 | 98.65 | 30.93 | 1.00 |
| Conf. Bargonasco | 84 | T=50 | 403.00 | 46.42 | 49.08 | 49.92 | 0.84 | 51.27 | 2.19 | 49.08 | 50.37 | 0.006542 | 5.04 | 80.04 | 31.28 | 1.00 |
| Conf. Bargonasco | 84 | T=200 | 493.00 | 46.42 | 49.45 | 49.92 | 0.47 | 51.27 | 1.82 | 49.45 | 50.92 | 0.006380 | 5.37 | 91.86 | 31.60 | 1.00 |
| Conf. Bargonasco | 84 | T=500 | 553.00 | 46.42 | 49.69 | 49.92 | 0.23 | 51.27 | 1.58 | 49.69 | 51.27 | 0.006277 | 5.56 | 99.47 | 31.80 | 1.00 |
| Conf. Bargonasco | 83 | T=50 | 403.00 | 45.98 | 48.61 | 49.48 | 0.87 | 50.54 | 1.93 | 48.61 | 49.89 | 0.006493 | 5.00 | 80.63 | 31.76 | 1.00 |
| Conf. Bargonasco | 83 | T=200 | 493.00 | 45.98 | 48.99 | 49.48 | 0.49 | 50.54 | 1.55 | 48.99 | 50.43 | 0.006331 | 5.33 | 92.53 | 32.08 | 1.00 |
| Conf. Bargonasco | 83 | T=500 | 553.00 | 45.98 | 49.29 | 49.48 | 0.19 | 50.54 | 1.25 | 49.22 | 50.78 | 0.005825 | 5.40 | 102.38 | 32.34 | 0.97 |
| Conf. Bargonasco | 82 | T=50 | 403.00 | 45.67 | 48.61 | 49.13 | 0.52 | 49.13 | 0.52 | 48.24 | 49.56 | 0.004231 | 4.31 | 93.41 | 33.05 | 0.82 |
| Conf. Bargonasco | 82 | T=200 | 493.00 | 45.67 | 49.04 | 49.13 | 0.09 | 49.13 | 0.09 | 48.61 | 50.11 | 0.004055 | 4.57 | 107.86 | 33.43 | 0.81 |
| Conf. Bargonasco | 82 | T=500 | 553.00 | 45.67 | 49.38 | 49.13 | -0.25 | 49.13 | -0.25 | 48.84 | 50.46 | 0.004074 | 4.62 | 119.76 | 36.50 | 0.81 |
| Conf. Bargonasco | 81 | T=50 | 403.00 | 45.38 | 48.04 | 48.88 | 0.84 | 48.88 | 0.84 | 48.04 | 49.33 | 0.006541 | 5.03 | 80.04 | 31.28 | 1.00 |
| Conf. Bargonasco | 81 | T=200 | 493.00 | 45.38 | 48.42 | 48.88 | 0.46 | 48.88 | 0.46 | 48.42 | 49.88 | 0.006331 | 5.35 | 92.09 | 31.61 | 1.00 |
| Conf. Bargonasco | 81 | T=500 | 553.00 | 45.38 | 48.66 | 48.88 | 0.22 | 48.88 | 0.22 | 48.66 | 50.23 | 0.006225 | 5.54 | 99.74 | 31.81 | 1.00 |
| Conf. Bargonasco | 80 | T=50 | 403.00 | 45.18 | 47.84 | 48.63 | 0.79 | 48.59 | 0.75 | 47.84 | 49.13 | 0.006523 | 5.03 | 80.13 | 31.32 | 1.00 |
| Conf. Bargonasco | 80 | T=200 | 493.00 | 45.18 | 48.22 | 48.63 | 0.41 | 48.59 | 0.37 | 48.22 | 49.68 | 0.006313 | 5.35 | 92.19 | 31.66 | 1.00 |
| Conf. Bargonasco | 80 | T=500 | 553.00 | 45.18 | 48.46 | 48.63 | 0.17 | 48.59 | 0.13 | 48.46 | 50.02 | 0.006218 | 5.54 | 99.80 | 31.87 | 1.00 |
| Conf. Bargonasco | 79 | T=50 | 403.00 | 44.98 | 47.65 | 48.15 | 0.50 | 48.37 | 0.72 | 47.65 | 48.94 | 0.006468 | 5.02 | 80.22 | 31.25 | 1.00 |
| Conf. Bargonasco | 79 | T=200 | 493.00 | 44.98 | 48.03 | 48.15 | 0.12 | 48.37 | 0.34 | 48.03 | 49.49 | 0.006316 | 5.36 | 92.04 | 31.59 | 1.00 |
| Conf. Bargonasco | 79 | T=500 | 553.00 | 44.98 | 48.32 | 48.15 | -0.17 | 48.37 | 0.05 | 48.32 | 49.83 | 0.006174 | 5.44 | 101.62 | 33.28 | 0.99 |
| Conf. Bargonasco | 78 | T=50 | 403.00 | 44.84 | 47.34 | 48.21 | 0.87 | 48.21 | 0.87 | 47.34 | 48.55 | 0.006498 | 4.88 | 82.62 | 34.22 | 1.00 |
| Conf. Bargonasco | 78 | T=200 | 493.00 | 44.84 | 47.69 | 48.21 | 0.52 | 48.21 | 0.52 | 47.69 | 49.07 | 0.006321 | 5.20 | 94.79 | 34.54 | 1.00 |
| Conf. Bargonasco | 78 | T=500 | 553.00 | 44.84 | 47.91 | 48.21 | 0.30 | 48.21 | 0.30 | 47.91 | 49.39 | 0.006237 | 5.40 | 102.48 | 34.73 | 1.00 |
| Conf. Bargonasco | 77.2 | T=50 | 403.00 | 44.51 | 46.66 | 47.02 | 0.36 | 47.51 | 0.85 | 46.66 | 47.69 | 0.006475 | 4.51 | 89.34 | 43.21 | 1.00 |
| Conf. Bargonasco | 77.2 | T=200 | 493.00 | 44.51 | 46.97 | 47.02 | 0.05 | 47.51 | 0.54 | 46.97 | 48.14 | 0.006205 | 4.79 | 102.82 | 43.68 | 1.00 |
| Conf. Bargonasco | 77.2 | T=500 | 553.00 | 44.51 | 47.17 | 47.02 | -0.15 | 47.51 | 0.34 | 47.17 | 48.41 | 0.006184 | 4.93 | 112.12 | 45.33 | 1.00 |
| Conf. Bargonasco | 77.1 | T=50 | 403.00 | 43.96 | 46.32 | 47.02 | 0.70 | 47.51 | 1.19 | 47.20 | 47.20 | 0.005000 | 4.17 | 96.75 | 42.70 | 0.88 |
| Conf. Bargonasco | 77.1 | T=200 | 493.00 | 43.96 | 46.72 | 47.02 | 0.30 | 47.51 | 0.79 | 47.67 | 47.67 | 0.004442 | 4.32 | 114.14 | 43.31 | 0.85 |
| Conf. Bargonasco | 77.1 | T=500 | 553.00 | 43.96 | 46.97 | 47.02 | 0.05 | 47.51 | 0.54 | 47.97 | 47.97 | 0.004200 | 4.42 | 125.03 | 43.68 | 0.83 |
| Conf. Bargonasco | 76 | T=50 | 403.00 | 43.40 | 46.30 | 47.08 | 0.78 | 46.69 | 0.39 | 47.00 | 47.00 | 0.003531 | 3.71 | 108.55 | 42.82 | 0.74 |
| Conf. Bargonasco | 76 | T=200 | 493.00 | 43.40 | 46.70 | 47.08 | 0.38 | 46.69 | -0.01 | 47.48 | 47.48 | 0.003430 | 3.91 | 126.02 | 44.50 | 0.74 |
| Conf. Bargonasco | 76 | T=500 | 553.00 | 43.40 | 46.96 | 47.08 | 0.12 | 46.69 | -0.27 | 47.79 | 47.79 | 0.003270 | 4.02 | 137.53 | 44.50 | 0.73 |
| Conf. Bargonasco | 75 | T=50 | 403.00 | 43.51 | 46.26 | 46.71 | 0.45 | 46.61 | 0.35 | 46.91 | 46.91 | 0.003010 | 3.56 | 113.28 | 41.83 | 0.69 |

HEC-RAS Plan: Pp9 River: T. Petronio Reach: Conf. Bargonasco (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 |
|------------------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| Conf. Bargonasco | 75 | T=200 | 493.00 | 43.51 | 46.66 | 46.71 | 0.05 | 46.61 | -0.05 | | 47.39 | 0.003024 | 3.79 | 130.22 | 43.50 | 0.70 |
| Conf. Bargonasco | 75 | T=500 | 553.00 | 43.51 | 46.92 | 46.71 | -0.21 | 46.61 | -0.31 | | 47.70 | 0.003018 | 3.90 | 141.88 | 45.00 | 0.70 |
| Conf. Bargonasco | 74.2 | T=50 | 403.00 | 43.45 | 45.71 | 46.71 | 1.00 | 46.45 | 0.74 | 45.71 | 46.83 | 0.006667 | 4.68 | 86.06 | 38.63 | 1.00 |
| Conf. Bargonasco | 74.2 | T=200 | 493.00 | 43.45 | 46.03 | 46.71 | 0.68 | 46.45 | 0.42 | 46.03 | 47.31 | 0.006487 | 5.00 | 98.55 | 38.79 | 1.00 |
| Conf. Bargonasco | 74.2 | T=500 | 553.00 | 43.45 | 46.42 | 46.71 | 0.29 | 46.45 | 0.03 | 46.24 | 47.63 | 0.005225 | 4.87 | 113.51 | 38.98 | 0.91 |
| Conf. Bargonasco | 74.1 | T=50 | 403.00 | 42.42 | 46.03 | 46.71 | 0.68 | 46.45 | 0.42 | | 46.47 | 0.001532 | 2.94 | 137.18 | 38.79 | 0.50 |
| Conf. Bargonasco | 74.1 | T=200 | 493.00 | 42.42 | 46.56 | 46.71 | 0.15 | 46.45 | -0.11 | | 47.06 | 0.001550 | 3.12 | 157.80 | 40.50 | 0.51 |
| Conf. Bargonasco | 74.1 | T=500 | 553.00 | 42.42 | 46.89 | 46.71 | -0.18 | 46.45 | -0.44 | | 47.42 | 0.001565 | 3.22 | 171.57 | 42.00 | 0.51 |
| Conf. Bargonasco | 73 | T=50 | 536.00 | 42.25 | 45.97 | 46.60 | 0.63 | 46.20 | 0.23 | | 46.44 | 0.001483 | 3.02 | 177.68 | 48.41 | 0.50 |
| Conf. Bargonasco | 73 | T=200 | 654.00 | 42.25 | 46.49 | 46.60 | 0.11 | 46.20 | -0.29 | | 47.02 | 0.001499 | 3.22 | 203.25 | 50.00 | 0.51 |
| Conf. Bargonasco | 73 | T=500 | 732.00 | 42.25 | 46.82 | 46.60 | -0.22 | 46.20 | -0.62 | | 47.38 | 0.001516 | 3.33 | 219.97 | 51.50 | 0.51 |
| Conf. Bargonasco | 72 | T=50 | 536.00 | 42.04 | 45.35 | 46.26 | 0.91 | 44.91 | -0.44 | | 46.32 | 0.003915 | 4.39 | 122.22 | 39.07 | 0.79 |
| Conf. Bargonasco | 72 | T=200 | 654.00 | 42.04 | 45.76 | 46.26 | 0.50 | 44.91 | -0.85 | 45.27 | 46.90 | 0.003935 | 4.72 | 138.60 | 39.26 | 0.80 |
| Conf. Bargonasco | 72 | T=500 | 732.00 | 42.04 | 46.02 | 46.26 | 0.24 | 44.91 | -1.11 | 45.50 | 47.26 | 0.003954 | 4.92 | 148.79 | 39.39 | 0.81 |
| Conf. Bargonasco | 71 | T=50 | 536.00 | 41.79 | 44.78 | 45.67 | 0.89 | 45.67 | 0.89 | 44.78 | 46.13 | 0.006162 | 5.15 | 104.12 | 38.61 | 1.00 |
| Conf. Bargonasco | 71 | T=200 | 654.00 | 41.79 | 45.17 | 45.67 | 0.50 | 45.67 | 0.50 | 45.17 | 46.70 | 0.005999 | 5.48 | 119.25 | 39.00 | 1.00 |
| Conf. Bargonasco | 71 | T=500 | 732.00 | 41.79 | 45.41 | 45.67 | 0.26 | 45.67 | 0.26 | 45.41 | 47.06 | 0.005899 | 5.68 | 128.90 | 39.24 | 1.00 |