

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|----------------------|------|-----------|-----------|--------|----------------|------------|-----|-----------------|---------|
| Symmetrical Parabola | PVC | 343+05.00 | 703.37 | 200 | -2.81% | -5.84% | 66 | -0.76 | 456 |
| | POVC | 343+50.00 | 701.95 | | | | | | |
| | POVC | 344+00.00 | 700.01 | | | | | | |
| | PVI | 344+05.00 | 700.55 | | | | | | |
| | POVC | 344+50.00 | 697.70 | | | | | | |
| | POVC | 345+00.00 | 695.00 | | | | | | |
| | PVT | 345+05.00 | 694.71 | | | | | | |
| Linear | PVT | 345+05.00 | 694.71 | 130 | -5.84% | | | | |
| | POVT | 345+50.00 | 692.08 | | | | | | |
| | POVT | 346+00.00 | 689.16 | | | | | | |
| | PVC | 346+35.00 | 687.12 | | | | | | |
| Symmetrical Parabola | PVC | 346+35.00 | 687.12 | 100 | -5.84% | -4.41% | 70 | 0.18 | |
| | POVC | 346+50.00 | 686.26 | | | | | | |
| | PVI | 346+85.00 | 684.20 | | | | | | |
| | POVC | 347+00.00 | 683.63 | | | | | | |
| | PVT | 347+35.00 | 682.00 | | | | | | |
| Linear | PVT | 347+35.00 | 682.00 | 120 | -4.41% | | | | |
| | POVT | 347+50.00 | 681.33 | | | | | | |
| | POVT | 348+00.00 | 679.13 | | | | | | |
| | POVT | 348+50.00 | 676.93 | | | | | | |
| | PVC | 348+55.00 | 676.70 | | | | | | |
| Symmetrical Parabola | PVC | 348+55.00 | 676.70 | 100 | -4.41% | -3.59% | 122 | 0.10 | |
| | POVC | 349+00.00 | 674.80 | | | | | | |
| | PVI | 349+05.00 | 674.50 | | | | | | |
| | POVC | 349+50.00 | 672.88 | | | | | | |
| | PVT | 349+55.00 | 672.70 | | | | | | |
| Linear | PVT | 349+55.00 | 672.70 | 180 | -3.59% | | | | |
| | POVT | 350+00.00 | 671.09 | | | | | | |
| | POVT | 350+50.00 | 669.29 | | | | | | |
| | POVT | 351+00.00 | 667.49 | | | | | | |
| | PVC | 351+35.00 | 666.24 | | | | | | |
| Symmetrical Parabola | PVC | 351+35.00 | 666.24 | 200 | -3.59% | -2.39% | 166 | 0.30 | |
| | POVC | 351+50.00 | 665.71 | | | | | | |
| | POVC | 352+00.00 | 664.03 | | | | | | |
| | PVI | 352+35.00 | 662.64 | | | | | | |
| | POVC | 352+50.00 | 662.50 | | | | | | |
| | POVC | 353+00.00 | 661.13 | | | | | | |
| | PVT | 353+35.00 | 660.25 | | | | | | |
| Linear | PVT | 353+35.00 | 660.25 | 150 | -2.39% | | | | |
| | POVT | 353+50.00 | 659.89 | | | | | | |
| | POVT | 354+00.00 | 658.70 | | | | | | |
| | POVT | 354+50.00 | 657.50 | | | | | | |
| | PVC | 354+85.00 | 656.67 | | | | | | |
| Symmetrical Parabola | PVC | 354+85.00 | 656.67 | 200 | -2.39% | -0.65% | 115 | 0.43 | |
| | POVC | 355+00.00 | 656.32 | | | | | | |
| | POVC | 355+50.00 | 655.30 | | | | | | |
| | PVI | 355+85.00 | 654.28 | | | | | | |
| | POVC | 356+00.00 | 654.49 | | | | | | |
| | POVC | 356+50.00 | 653.91 | | | | | | |
| | PVT | 356+85.00 | 653.62 | | | | | | |
| Linear | PVT | 356+85.00 | 653.62 | 70 | -0.65% | | | | |
| | POVT | 357+00.00 | 653.53 | | | | | | |
| | POVT | 357+50.00 | 653.20 | | | | | | |
| | PVC | 357+55.00 | 653.17 | | | | | | |
| Symmetrical Parabola | PVC | 357+55.00 | 653.17 | 300 | -0.65% | -3.04% | 126 | -0.89 | 602 |
| | POVC | 358+00.00 | 652.79 | | | | | | |
| | POVC | 358+50.00 | 652.19 | | | | | | |
| | POVC | 359+00.00 | 651.39 | | | | | | |
| | PVI | 359+05.00 | 652.19 | | | | | | |
| | POVC | 359+50.00 | 650.39 | | | | | | |
| | POVC | 360+00.00 | 649.19 | | | | | | |
| | POVC | 360+50.00 | 647.79 | | | | | | |
| Linear | PVT | 360+55.00 | 647.64 | 110 | -3.04% | | | | |
| | PVT | 360+55.00 | 647.64 | | | | | | |
| | POVT | 361+00.00 | 646.27 | | | | | | |
| | POVT | 361+50.00 | 644.75 | | | | | | |
| | PVC | 361+65.00 | 644.30 | | | | | | |
| Symmetrical Parabola | PVC | 361+65.00 | 644.30 | 120 | -3.04% | -2.04% | 120 | 0.15 | |
| | POVC | 362+00.00 | 643.28 | | | | | | |
| | PVI | 362+25.00 | 642.47 | | | | | | |
| | POVC | 362+50.00 | 642.01 | | | | | | |
| | PVT | 362+85.00 | 641.25 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD | | | | | | | |
|----------------------|----------------------|-----------|-----------|--------|----------------|------------|-----|-----------------|---------|--------|-----|--------|-------|----|------|--|
| Linear | PVT | 362+85.00 | 641.25 | 95 | -2.04% | | | | | | | | | | | |
| | POVT | 363+00.00 | 640.95 | | | | | | | | | | | | | |
| | POVT | 363+50.00 | 639.93 | | | | | | | | | | | | | |
| | PVC | 363+80.00 | 639.32 | | | | | | | | | | | | | |
| Symmetrical Parabola | PVC | 363+80.00 | 639.32 | 150 | -2.04% | -3.32% | 117 | -0.24 | 914 | | | | | | | |
| | POVC | 364+00.00 | 638.89 | | | | | | | | | | | | | |
| | POVC | 364+50.00 | 637.68 | | | | | | | | | | | | | |
| | PVI | 364+55.00 | 637.79 | | | | | | | | | | | | | |
| | POVC | 365+00.00 | 636.25 | | | | | | | | | | | | | |
| | PVT | 365+30.00 | 635.29 | | | | | | | | | | | | | |
| Linear | PVT | 365+30.00 | 635.29 | 455 | -3.32% | | | | | | | | | | | |
| | POVT | 365+50.00 | 634.63 | | | | | | | | | | | | | |
| | POVT | 366+00.00 | 632.97 | | | | | | | | | | | | | |
| | POVT | 366+50.00 | 631.31 | | | | | | | | | | | | | |
| | POVT | 367+00.00 | 629.64 | | | | | | | | | | | | | |
| | POVT | 367+50.00 | 627.98 | | | | | | | | | | | | | |
| | POVT | 368+00.00 | 626.32 | | | | | | | | | | | | | |
| | POVT | 368+50.00 | 624.66 | | | | | | | | | | | | | |
| | POVT | 369+00.00 | 623.00 | | | | | | | | | | | | | |
| | POVT | 369+50.00 | 621.33 | | | | | | | | | | | | | |
| | PVC | 369+85.00 | 620.17 | | | | | | | | | | | | | |
| | Symmetrical Parabola | PVC | 369+85.00 | | | | | | | 620.17 | 370 | -3.32% | 2.95% | 59 | 2.90 | |
| | | POVC | 370+00.00 | | | | | | | 619.69 | | | | | | |
| | | POVC | 370+50.00 | | | | | | | 618.37 | | | | | | |
| POVC | | 371+00.00 | 617.47 | | | | | | | | | | | | | |
| POVC | | 371+50.00 | 617.00 | | | | | | | | | | | | | |
| PVI | | 371+70.00 | 614.02 | | | | | | | | | | | | | |
| VLOW | | 371+80.94 | 616.91 | | | | | | | | | | | | | |
| POVC | | 372+00.00 | 616.95 | | | | | | | | | | | | | |
| POVC | | 372+50.00 | 617.32 | | | | | | | | | | | | | |
| POVC | | 373+00.00 | 618.12 | | | | | | | | | | | | | |
| Linear | POVC | 373+50.00 | 619.34 | 65 | 2.95% | | | | | | | | | | | |
| | PVT | 373+55.00 | 619.48 | | | | | | | | | | | | | |
| | POVT | 374+00.00 | 620.81 | | | | | | | | | | | | | |
| | PVC | 374+20.00 | 621.40 | | | | | | | | | | | | | |
| Symmetrical Parabola | PVC | 374+20.00 | 621.40 | 410 | 2.95% | -4.35% | 56 | -3.74 | 348 | | | | | | | |
| | POVC | 374+50.00 | 622.21 | | | | | | | | | | | | | |
| | POVC | 375+00.00 | 623.20 | | | | | | | | | | | | | |
| | POVC | 375+50.00 | 623.74 | | | | | | | | | | | | | |
| | VHIGH | 375+85.86 | 623.85 | | | | | | | | | | | | | |
| | POVC | 376+00.00 | 623.83 | | | | | | | | | | | | | |
| | PVI | 376+25.00 | 627.46 | | | | | | | | | | | | | |
| | POVC | 376+50.00 | 623.49 | | | | | | | | | | | | | |
| | POVC | 377+00.00 | 622.69 | | | | | | | | | | | | | |
| | POVC | 377+50.00 | 621.45 | | | | | | | | | | | | | |
| Linear | POVC | 378+00.00 | 619.77 | 365 | -4.35% | | | | | | | | | | | |
| | PVT | 378+30.00 | 618.55 | | | | | | | | | | | | | |
| | PVT | 378+30.00 | 618.55 | | | | | | | | | | | | | |
| | POVT | 378+50.00 | 617.68 | | | | | | | | | | | | | |
| | POVT | 379+00.00 | 615.50 | | | | | | | | | | | | | |
| | POVT | 379+50.00 | 613.33 | | | | | | | | | | | | | |
| | POVT | 380+00.00 | 611.16 | | | | | | | | | | | | | |
| | POVT | 380+50.00 | 608.98 | | | | | | | | | | | | | |
| | POVT | 381+00.00 | 606.81 | | | | | | | | | | | | | |
| | POVT | 381+50.00 | 604.64 | | | | | | | | | | | | | |
| Symmetrical Parabola | PVC | 381+95.00 | 602.68 | 180 | -4.35% | -0.72% | 50 | 0.82 | | | | | | | | |
| | PVC | 381+95.00 | 602.68 | | | | | | | | | | | | | |
| | POVC | 382+00.00 | 602.47 | | | | | | | | | | | | | |
| | POVC | 382+50.00 | 600.60 | | | | | | | | | | | | | |
| | PVI | 382+85.00 | 598.77 | | | | | | | | | | | | | |
| | POVC | 383+00.00 | 599.23 | | | | | | | | | | | | | |
| | POVC | 383+50.00 | 598.37 | | | | | | | | | | | | | |
| | PVT | 383+75.00 | 598.12 | | | | | | | | | | | | | |

VERTICAL ALIGNMENT SHEET 7

PROJECT NAME: WEATHERSFIELD

PROJECT NUMBER: STP 2913(I)

FILE NAME: I0c228.dgn

PLOT DATE: 2/7/2013

PROJECT LEADER: PTS

DRAWN BY: JLS

DESIGNED BY: NULL

CHECKED BY: PTS

IPARM FILE NAME: pI0C228_87

SHEET 87 OF 234