



BENCH MARKS

- BM #10+00**
TOP OF PK NAIL STA 10+00 NORTHWEST CORNER OF BOAT PARKING AREA ELEVATION 616.65
- BM #15**
THE HIGHEST POINT OF THE LARGE ROCK STA 16+03 +/- 20' RT ELEVATION 637.86
- BM "C"**
STA 411+00 RT - (NORTHWEST CORNER OF N9TH STREET AND THE DAM ACCESS ROAD) ON THE NORTH RIM BOLT OF THE FIRE HYDRANT ELEVATION 653.51
- BM #A**
THE TOP OF THE GUARDRAIL POST, BASE LINE STA 425+00 ELEVATION 646.40
- BM #TA 9/13**
THE TOP OF THE GUARDRAIL POST, BASE LINE STA 431+88 ELEVATION 646.40
- BM #TB 9/13**
NORTHWEST CORNER OF THE CONCRETE SLAB WHICH THE SITTING BENCH SETS UPON STA 53+00 RT ELEVATION 625.73
- BM "CC"**
NORTHWEST CORNER OF CONCRETE GRILL SLAB LARGE PAVILION STA. 54+97 LT ELEVATION 624.42
- BM "9/20 AA"**
THE TOP OF THE GAURDRAIL POST, BASE LINE STA 442+72 ELEVATION= 644.84

Curve #1
P.I. STA. = 18+50
Δ = 55-00-00
D = 49-42-37
R = 115.26
T = 60.00
L = 110.64
E = 14.68
P.C. STA. = 17+90.00
P.T. STA. = 19+00.64

Curve #2
P.I. STA. = 400+75
Δ = 64-30-00
D = 40-10-04
R = 142.64
T = 90.00
L = 160.58
E = 26.02
P.C. STA. = 399+85.00
P.T. STA. = 401+45.58

Curve #3
P.I. STA. = 404+61
Δ = 26-30-00
D = 11-15-39
R = 115.26
T = 60.00
L = 110.64
E = 14.68
P.C. STA. 403+41.00
P.T. STA. 405+76.33

Curve #4
P.I. STA. = 408+80
Δ = 89-30-00
D = 51-38-04
R = 110.96
T = 110.00
L = 173.33
E = 45.28
P.C. STA. 407+70.00
P.T. STA. 409.43.33

Curve #5
P.I. STA. = 416+82
Δ = 44-30-00
D = 42-37-08
R = 134.44
T = 55.00
L = 104.41
E = 10.82
P.C. STA. = 416+27.00
P.T. STA. = 417+31.41

Curve #6
P.I. STA. = 417+95
Δ = 44-00-00
D = 38-34-54
R = 148.51
T = 60.00
L = 114.04
E = 11.66
P.C. STA. = 417+35.00
P.T. STA. = 418+49.04

Curve #7
P.I. STA. = 419+20
Δ = 26-30-00
D = 44-58-16
R = 127.41
T = 30.00
L = 58.93
E = 3.48
P.C. STA. = 418+90.00
P.T. STA. = 419+48.93

Curve #8
P.I. STA. = 420+45
Δ = 69-00-00
D = 43-45-14
R = 130.95
T = 90.00
L = 157.70
E = 27.95
P.C. STA. = 419+55.00
P.T. STA. = 421+12.70

Curve #9
P.I. STA. = 424+60
Δ = 51-00-00
D = 34-09-39
R = 167.72
T = 80.00
L = 149.29
E = 18.10
P.C. STA. = 423.80.00
P.T. STA. = 425.29.29

Curve #10
P.I. STA. = 426+90
Δ = 34-15-00
D = 44-08-05
R = 129.82
L = 77.60
E = 6.03
P.C. STA. = 426+50.00
P.T. STA. = 427+27.60

Curve #11
P.I. STA. = 427+70
Δ = 50-45-00
D = 54-21-03
R = 105.42
T = 50.00
L = 93.37
E = 11.26
P.C. STA. = 427+30.00
P.T. STA. = 428+23.37

Curve #12
P.I. STA. = 428+85
Δ = 33-30-00
D = 28-44-24
T = 60.00
L = 116.56
E = 8.83
P.C. STA. = 428+25.00
P.T. STA. = 429+41.56

Curve #13
P.I. STA. = 431+10 "BK"
Δ = 84-30-00
D = 32-31-39
R = 176.15
T = 160.00
L = 259.78
E = 61.82
P.C. STA. = 429+50.00
P.T. STA. = 432+09.78

Curve #14
P.I. STA. = 431+51.00 "AH"
Δ = 49-30-30
D = 48-02-03
R = 119.28
T = 55.00
L = 103.07
E = 12.07
P.C. STA. = 430+96.00
P.T. STA. = 431+99.07

Curve #15
P.I. STA. = 432+54.07 "AH"
Δ = 53-00-00
D = 51-56-22
R = 110.31
T = 55.00
L = 102.04
E = 12.95
P.C. STA. = 431+99.07
P.T. STA. = 433+01.11

Curve #17
P.I. STA. = 436+73.05
Δ = 49-30-00
D = 44-01-22
R = 130.15
T = 60.00
L = 112.16
E = 13.16
P.C. STA. = 436+13.05
P.T. STA. = 437+25.49

Curve #18A
P.I. STA. = 440+85.00 "LT"
Δ = 46-45-00
D = 26-04-04
R = 219.80
T = 95.00
L = 179.34
E = 19.65
P.C. STA. = 439+90.00
P.T. STA. = 441+69.34

Curve #18B
P.I. STA. = 440+45.00 "RT"
Δ = 20-30-00
D = 10-21-39
R = 553.01
T = 100.00
L = 197.86
E = 8.97
P.C. STA. = 439+45.00
P.T. STA. = 441+42.86

Curve #19
P.I. STA. = 443+20.00 "LT"
Δ = 89-15-00
D = 59-31-37
R = 96.25
T = 95.00
L = 149.93
E = 38.99
P.C. STA. = 442+25.00
P.T. STA. = 443+74.93

Curve #20
P.I. STA. = 442+45.00 "RT"
Δ = 77-30-00
D = 51-05-39
R = 112.14
T = 90.00
L = 151.68
E = 31.65
P.C. STA. = 441+55.00
P.T. STA. = 443+06.68

Curve #A (Lower Level)
P.I. STA. = 53+15.00
Δ = 92-15-00
D = 18-55-04
R = 302.87
T = 315.00
L = 487.64
E = 134.12
P.C. STA. = 50+00.00
P.T. STA. = 54+87.64

Curve #B (lower level)
P.I. STA. = 56+50.00
Δ = 35-15-00
D = 33-05-46
R = 173.12
T = 55.00
L = 106.51
E = 8.53
P.C. STA. = 55+95.00
P.T. STA. = 57+01.51

Curve #C (Lower Level)
P.I. STA. = 57+51.51
Δ = 56-45-00
D = 61-53-41
R = 92.57
T = 50.00
L = 91.69
E = 12.64
P.C. STA. = 57+01.51
P.T. STA. = 57+93.20

CITY OF SHELBYVILLE		
SCALE: N/A	APPROVED BY: SAS	DRAWN BY: SAS
DATE: 02-11-09		CHP
CURVE DATA		DRAWING NUMBER