

OBJECT	AZIMUTH	STADIA	DIS-TANCE	INTERVALS OR VER. ANGLE		READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up-Down-	No. of Int. or Angle			
	528 H.I.							
								H.I. = 932.98 ✓
At A#1 on sec line between SW cor. sec. 12 to NW cor. sec. 12 = N.	0°00'	5.67				10.48		928.70
M.C. #2	138°54'							922.50
Δ#2	138°54'	5.33				4.83		929.15-
Δ#4	315°56'	5.58				9.08		923.90-
End of Curve	301°49'	3.95				15.1		917.9
Ctr. "	300°26'	3.85				15.0		918.0
beg. "	297°29'	3.75				15.2		917.8
Δ in ditch 5' deep 2' wide	288°36'	3.51				14.7		918.3
End of Curve	288°16'	3.05				14.6		918.4
beg. " 4' wide	286°49'	2.71				14.9		918.1
Δ in ditch 4' deep	279°02'	1.93				14.9		918.1
Δ " 4" x 4"	281°16'	0.79				14.9		918.1
End of Oval Conc. Culv.	258°04'	0.55				ground 14.8 F.I. 16.55		915.1 918.1 915.43-
Approx E Eagle Ave.	349°00'	1.50						
" & " "	185°56'	2.80						

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								H.I. = 932.98
Δ R.R. Track on Curve	231°40'	2.97						
Δ R.R. " " "	229°53'	1.77						
Δ R.R. " " "	82°45'	0.12					5.0	928.0
Δ R.R. " " " 4'4" x 4'0"	49°23'	2.52				ground 14.7 F.I. 15.85		918.3 917.13
beg. Oval Conc. Culv.	183°34'	0.52				ground 14.2 F.I. 15.47		916.8 917.51
End " " " 4'4" x 4'0"	144°51'	1.21						
Δ R.R. Tracks	217°50'	2.93						
Δ R.R. " "	110°03'	2.08				ground 14.2		918.8
beg. Oval Conc. Culv. 4'4" x 4'0"	147°36'	1.69				F.I. 15.13		917.85
Δ in ditch	147°10'	3.72				13.8 ground 13.7		919.2 919.3
	140°54'	3.90				F.I.		
	(503 H.I.)	933.23 933.18						H.I. = 933.20-
At A#2								928.15-
To A#1	318°54'	5.32					5.53	927.67 927.70
Δ #3	138°54'	7.34					13.58	919.62-
Δ R.R. Tracks	233°47'	2.05						
Δ R.R. " "	359°06'	2.70						

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				Up+ No. of Int. Down- or Angle	Rod Equiv.			
	<u>H.I. 927.29</u>							
No. E. Cor House	99° 31'	0.85						
End 24" C.M. Culv. beg. Curve	93° 27'	1.00				<u>F.L. 10.55</u>		916.74
ON Curve	82° 05'	0.92				10.5		916.8
End "	67° 38'	1.00				10.4		916.9
beg. "	60° 53'	1.15				10.5		916.8
Chr. "	55° 27'	1.27				10.5		916.8
End " ^{3' deep}	51° 18'	1.34				10.4		916.9
4' Plank Foot bridge ^{3' wide} 16' long	38° 05'	1.56						
So. W. Cor House	57° 21'	1.46						
So. E. " "	63° 24'	1.68						
No. W. " "	48° 53'	1.72						
Δ in ditch	32° 05'	1.68				11.5		915.8
beg. Curve	23° 20'	1.83				11.0		916.3
ON "	14° 58'	2.14				10.9		916.4
" "	14° 10'	2.31				11.1		916.2
Pl. reversed Curve	15° 51'	2.40				11.1		916.2
ON Curve	18° 55'	2.48				11.1		916.2

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ON Curve ^{3' deep}	19° 42'	3.09				11.2		916.1
END " ^{5' wide}	18° 58'	3.36				11.2		916.1
		^{5.38 H.I.} 925.52						
								<u>H.I. = $\frac{925.52}{2.26.95}$</u>
ATA # 6								920.14 919.64
To Δ # 5 - Appro. 2 East St.	180° 20'	6.40						921.89
Δ # 7	310° 12'	3.52				5.52		920.00 919.53
End Curve ^{2' deep}	158° 56'	2.90						
	158° 56'	2.90						
Δ in ditch ^{5' wide}	153° 38'	2.23				9.7		915.8
Δ in "	130° 10'	0.20				10.6		914.9
beg. 48" C.M. Culv.	141° 50'	0.17				F.L. 11.05		914.47
Approach East St - 2' W. of Δ # 6								
End 48" C.M. Culv.	233° 28'	0.23				F.L. 11.21		914.31
Δ in ditch	246° 55'	0.35				11.0		914.5
Fence Cor.	269° 10'	0.28						
End of Fence	291° 33'	0.91						
Beg. Curve	304° 40'	0.38				11.2		914.3
ON " ^{2' deep}	331° 19'	0.56				11.5		914.0
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				Up+ No. of Int. Down- or Angle	Rod Equiv.			
End of Fence	339° 54'	0.68						
End curve Δ in ditch	327° 16'	0.85				11.7		913.8
Δ in ditch	317° 56'	0.95				11.9		913.6
S.W. Cor. House	326° 28'	1.35						
S.E. " "	335° 21'	1.07						
N.E. " "	345° 12'	1.28						
Δ in ditch	315° 59'	1.18				12.0		913.5
Δ in " "	316° 55'	1.45				12.3		913.2
Δ " "	310° 40'	1.70				12.3		913.2
	925.402 925.425 (5.40K)	444.82 924.92	H.I. = 925.42					
At Δ #7								920.00
To Δ #6	130° 12'	3.52				5.28		919.53
Δ #8	346° 29'	5.24						920.14
Δ in ditch	139° 16'	1.60				12.6		912.8
Δ " "	142° 36'	1.38				12.7		912.7
Δ " "	131° 25'	1.20				12.7		912.7
Δ " "	146° 55'	1.03				13.0		912.4

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Δ in ditch	137° 32'	1.08				12.8		912.6
Δ " "	152° 00'	0.95				13.0		912.4
Δ " "	146° 45'	0.66				13.2		912.2
6' wide with rounded top	170° 33'	0.35				Ground 13.1		912.3
End of barrel								
End of barrel	227° 14'	0.26				Ground 13.1		912.3
Approx & Bald Eagle Ave.	200° 26'	1.40						
" " " "	199° 54'	0.29						
" " " "	31° 56'	0.78						
Approx. Shoreline Bald Eagle Lake	279° 10'	0.14						
Elev. Bald Eagle Lake						15.2		910.22
								789.73
								Elev. Lake 1-29-40 = 910.05
At Δ #8								
To Δ #7	166° 29'	5.22						
M.C. #10 Sec. 12	76° 16'	8.62						