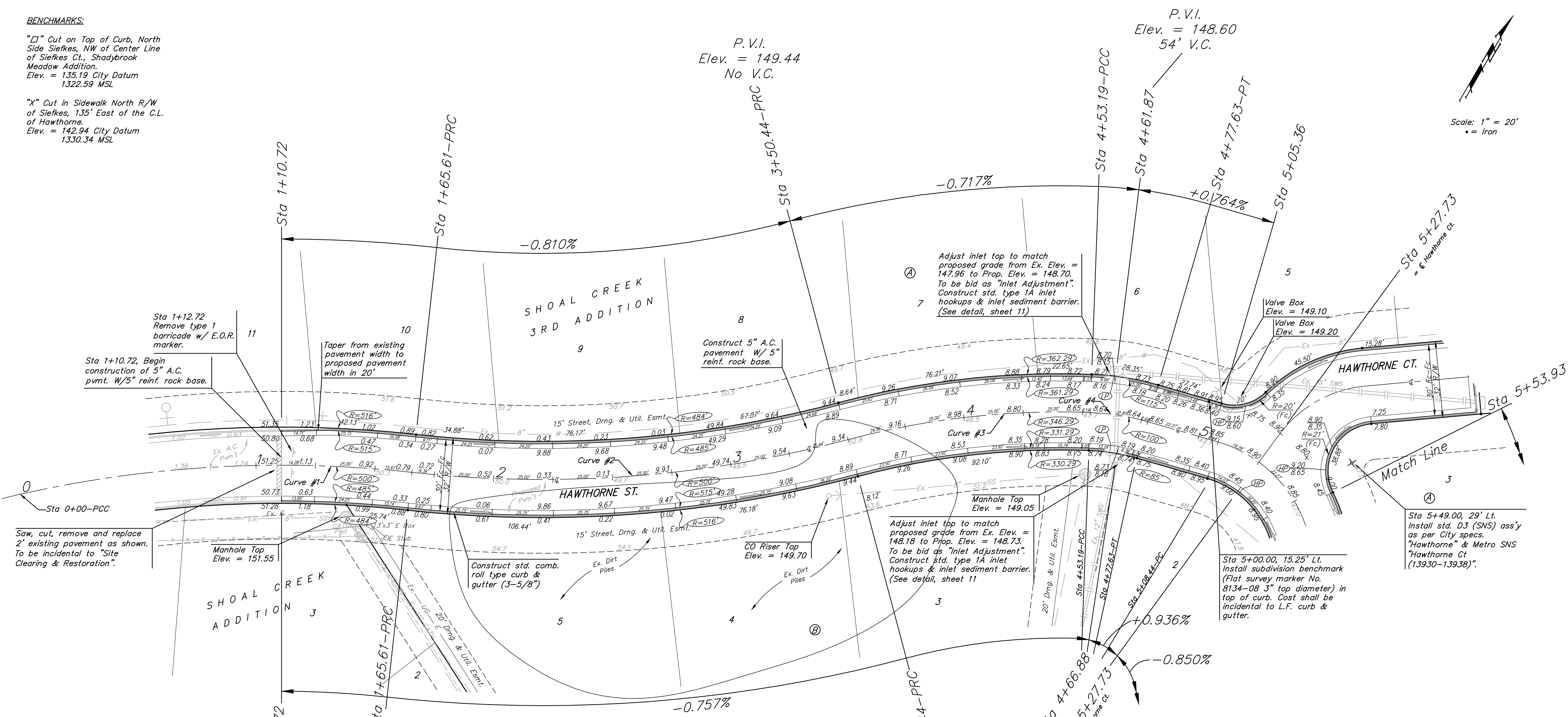
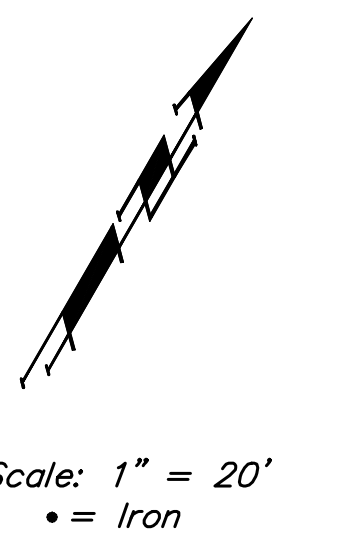


BENCHMARKS:

"□" Cut on Top of Curb, North Side Siefkes, NW of Center Line of Siefkes Ct., Shadybrook Meadow Addition.
Elev. = 135.19 City Datum
1322.59 MSL

"X" Cut in Sidewalk North R/W of Siefkes, 135' East of the C.L. of Hawthorne.
Elev. = 142.94 City Datum
1330.34 MSL



Saw, cut, remove and replace 2' existing pavement as shown. To be incidental to "Site Clearing & Restoration".

Sta 1+10.72, Begin construction of 5" A.C. pvm't. W/5" reinf. rock base.

Sta 1+12.72 Remove type 1 barricade w/ E.O.R. marker.

Taper from existing pavement width to proposed pavement width in 20'

Construct 5" A.C. pavement W/5" reinf. rock base.

Adjust inlet top to match proposed grade from Ex. Elev. = 147.96 to Prop. Elev. = 148.70. To be bid as "Inlet Adjustment". Construct std. type 1A inlet hookups & inlet sediment barrier. (See detail, sheet 11)

Adjust inlet top to match proposed grade from Ex. Elev. = 148.18 to Prop. Elev. = 148.73. To be bid as "Inlet Adjustment". Construct std. type 1A inlet hookups & inlet sediment barrier. (See detail, sheet 11)

Sta 5+00.00, 15.25' Lt. Install subdivision benchmark (Flat survey marker No. 8134-08 3" top diameter) in top of curb. Cost shall be incidental to L.F. curb & gutter.

Sta 5+49.00, 29' Lt. Install std. D3 (SNS) ass'y as per City specs. "Hawthorne" & Metro SNS (13930-13938)".

Curve #1
Curve Data Based on Centerline
Rad. = 500' Delta = 18° 58' 37" Tangent = 83.57'
Arc = 165.61' L.C. = 164.85' Def/Ft. = 3.43764 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
0+00.00	-	-	-	0'00"00"	0'00"00"
1+10.72	110.72'	115.57'	105.41'	6'20"37"	6'20"37"
1+25.00	14.28'	14.94'	13.62'	0'49"05"	7'09"42"
1+50.00	25.00'	26.15'	23.85'	1'25"56"	8'35"39"
1+65.61	15.61'	16.33'	14.89'	0'53"39"	9'29"18"

Curve #2
Curve Data Based on Centerline
Rad. = 500' Delta = 21° 10' 48" Tangent = 93.48'
Arc = 184.83' L.C. = 183.78' Def/Ft. = 3.43775 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
1+65.61	-	-	-	0'00"00"	0'00"00"
1+75.00	9.39'	8.96'	9.82'	0'32"17"	0'32"17"
2+00.00	25.00'	23.85'	26.15'	1'25"56"	1'58"13"
2+25.00	25.00'	23.85'	26.15'	1'25"56"	3'24"10"
2+50.00	25.00'	23.85'	26.15'	1'25"56"	4'50"07"
2+75.00	25.00'	23.85'	26.15'	1'25"56"	6'16"03"
3+00.00	25.00'	23.85'	26.15'	1'25"56"	7'41"60"
3+25.00	25.00'	23.85'	26.15'	1'25"56"	9'07"56"
3+50.44	25.44'	24.27'	26.61'	1'27"27"	10'35"24"

Curve #3
Curve Data Based on Centerline
Rad. = 346.29' Delta = 16° 59' 59" Tangent = 51.75'
Arc = 102.75' L.C. = 102.37' Def/Ft. = 4.96342 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
3+50.44	-	-	-	0'00"00"	0'00"00"
3+75.00	24.56'	26.18'	22.92'	2'01"54"	2'01"54"
4+00.00	25.00'	26.65'	23.33'	2'04"05"	4'05"59"
4+25.00	25.00'	26.65'	23.33'	2'04"05"	6'10"04"
4+50.00	25.00'	26.65'	23.33'	2'04"05"	8'14"09"
4+53.19	3.19'	3.40'	2.98'	0'15"50"	8'29"59"

Curve #4
Curve Data Based on Centerline
Rad. = 100' Delta = 14° 00' 13" Tangent = 12.28'
Arc = 24.44' L.C. = 24.38' Def/Ft. = 17.18938 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
4+53.19	-	-	-	0'00"00"	0'00"00"
4+75.00	21.81'	26.77'	16.76'	6'14"54"	6'14"54"
4+77.63	2.63'	3.23'	2.03'	0'45"12"	7'00"06"

NOTE: ROLL TYPE CURB & GUTTER TO BE CONSTRUCTED ON THE PAVEMENT SHOWN ON THIS SHEET. TOP OF CURB ELEVATIONS ARE GIVEN FOR FULL HEIGHT CURB.

		SHOAL CREEK 3RD ADDITION HAWTHORNE ST. STA 1+10.72 TO STA 5+53.93	
<small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316262-7771 F 316262-0149 ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE</small>			
PROJECT NUMBER 472-84085	DESIGN AEG	DRAWN TMS	APPROVED DATE 08/04
REVISIONS:	SCALE Noted SHEET		
			5 OF 16
ShoalCreek3rd/St1		04-07-E971	