

STREET IMPROVEMENTS

to serve

SHOAL CREEK ADDITION

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

GENERAL NOTES:

- Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

Kansas One-Call	687-2470
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The Contractor must notify the following in case of an emergency:

Cox Communications	262-4270
or	263-2061
K.P.L. Gas Service Company	263-7511
Kansas Gas & Electric Company	264-1141
Peoples Nat. Gas Company	942-8350
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4908
City of Wichita Sewer Maintenance	268-4071
- Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- All areas disturbed by construction shall be seeded at 300 lbs./acre with Rye Grass immediately following construction in that area. Contractor shall prepare ground per City specifications.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.
- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state law.
- A saw cut of at least one-half the depth of existing surface courses or one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. Sawed joint to facilitate removal within three (3) feet of existing joints will not be permitted and for such instances the limits of removal shall extend to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.
- Mass grading will be completed prior to construction by separate project. Grades will be brought to within 0.2'± of existing grade shown on cross sections. Dirt will be available on site for Contractor's use in bringing dirt to finished grade and for backfilling right-of-way. Contractor shall be responsible for additional excavation or filling necessary to obtain proper subgrade elevation. Any cost necessary to achieve this additional fine grading shall be incidental to S.Y. 5" A.C. Pavement.

- Siefkes from the east line of the plat, west to the north line of Spring Hollow
- Spring Hollow from the west line of Siefkes, south to the south line of the plat
- Castle Rock from the south line of Siefkes, south to the south line of Lot 39, Block A
- Whitewood St. from the east line of Spring Hollow, east to the west line of Castle Rock
- Whitewood St. from the west line of Spring Hollow, west to the west line of Hawthorne St.
- Whitewood Cir. from the west line of Hawthorne St. west to and including the cul-de-sac
- Hawthorne St. from the north line of Whitewood St., north to the north line of Lot 17, Block D
- Whitewood Court from the north line of Whitewood St., north to and including the cul-de-sac

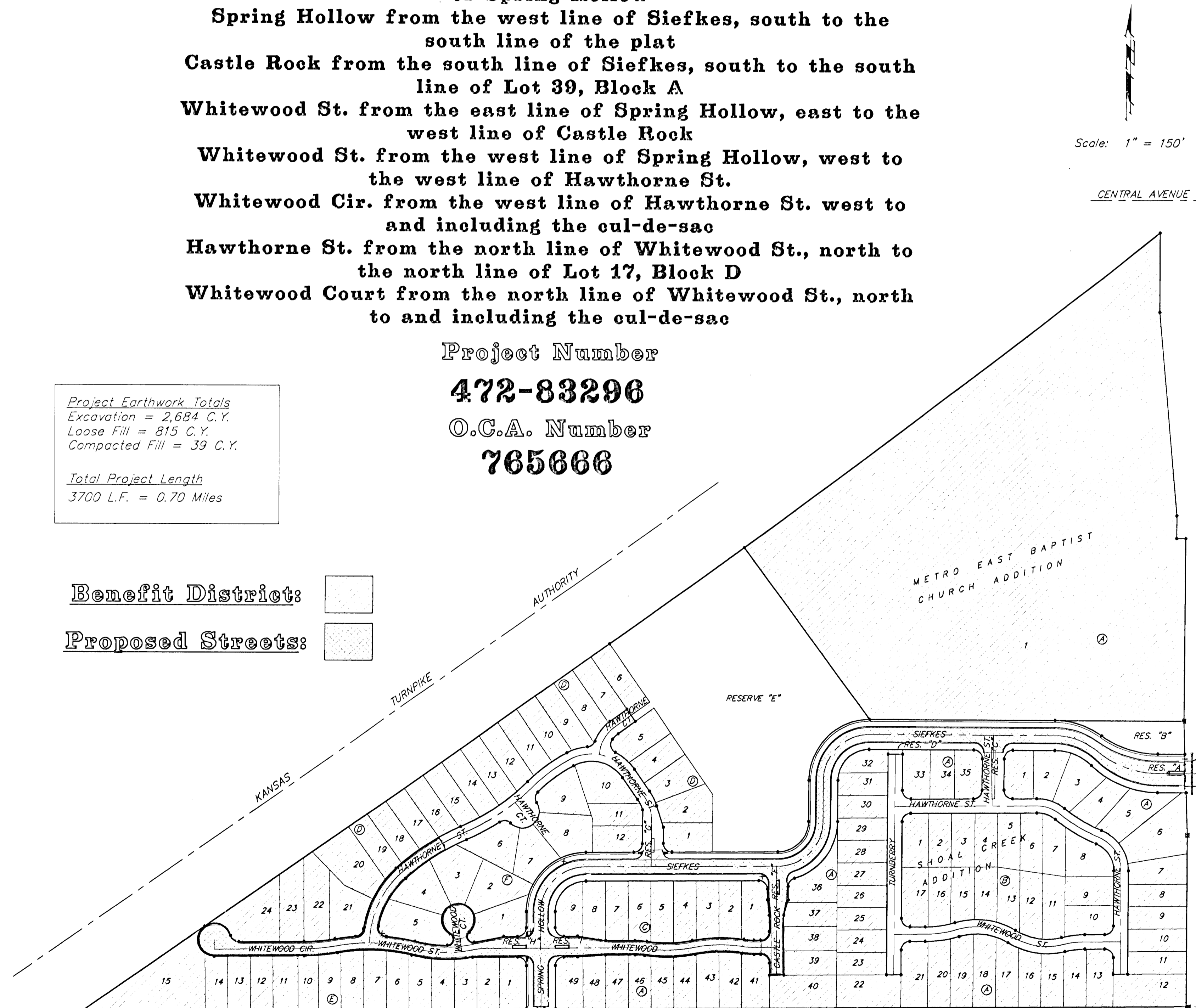
Project Number
472-83296
O.C.A. Number
765666

Project Earthwork Totals
Excavation = 2,684 C.Y.
Loose Fill = 815 C.Y.
Compacted Fill = 39 C.Y.

Total Project Length
3700 L.F. = 0.70 Miles

Benefit District:

Proposed Streets:



Benchmarks

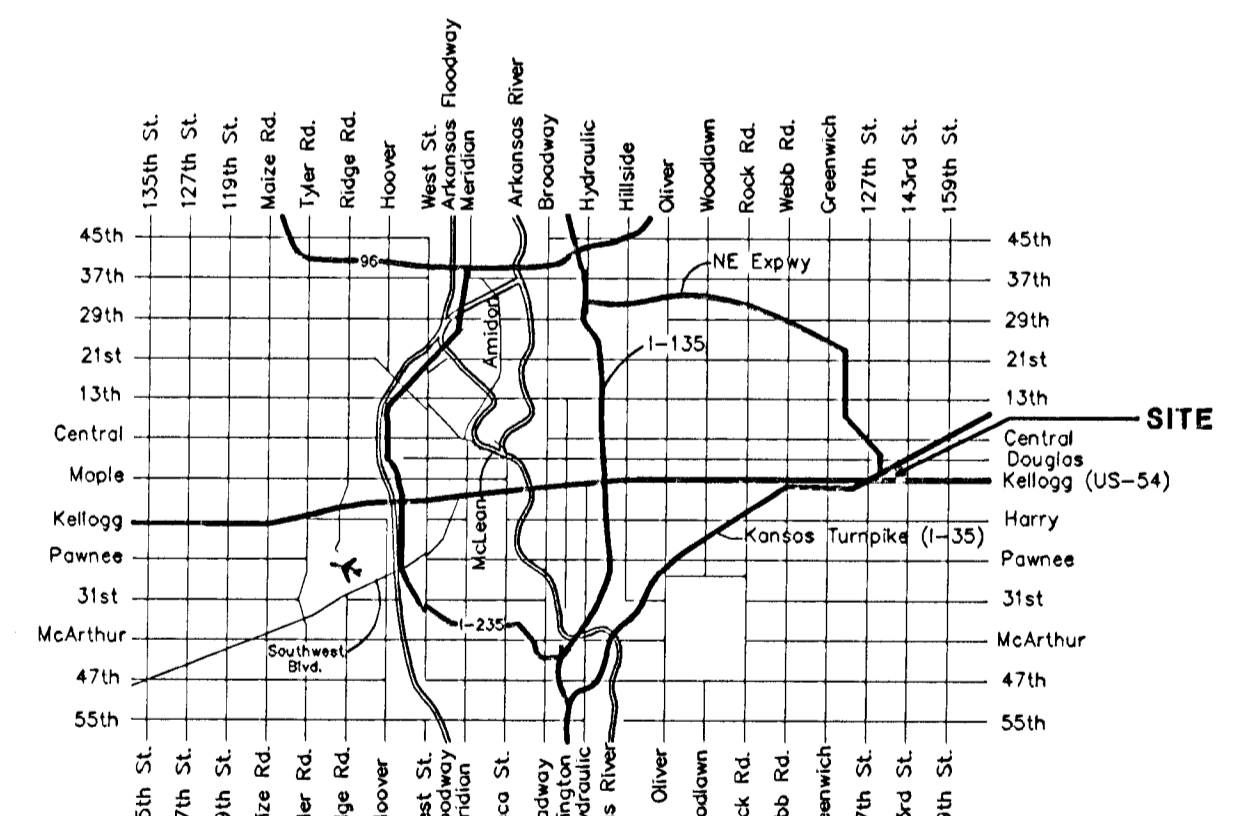
BM #1 "□" Cut on Top of Curb, North Side Siefkes, NW of Center Line of Siefkes Ct., Shadybrook Meadow Addition.
Elev. = 135.19 City Datum

BM #2 "□" Cut on SW corner of concrete base of SWB box 156' north and 41.5' west of E 1/4 Sec. 23, T-27-S, R-2-E.
Elev. = 143.39 City Datum

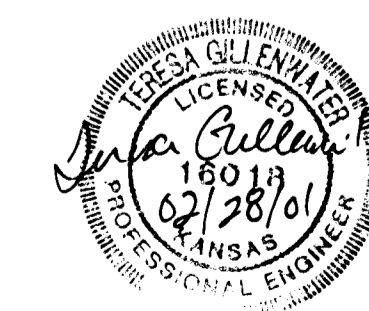
BM #3 "□" Cut on concrete base of R/W fence brace post 510' NE of SW corner of Shoal Creek Addition. (South side of Turnpike).
Elev. = 154.13 City Datum

Sheet Index

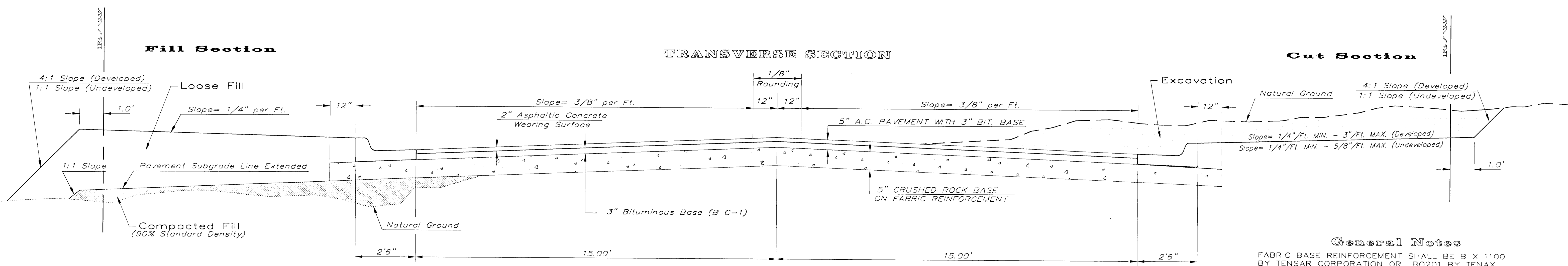
Title Sheet	1
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29' Pavement Detail	3
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Entrance Details	6-7
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Vicinity Map



TYPICAL 35' B-B PAVEMENT DETAILS

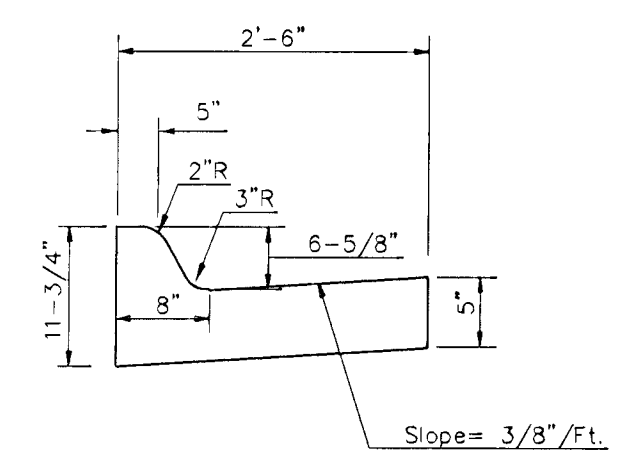


CRUSHED ROCK GRADATION REQUIREMENTS

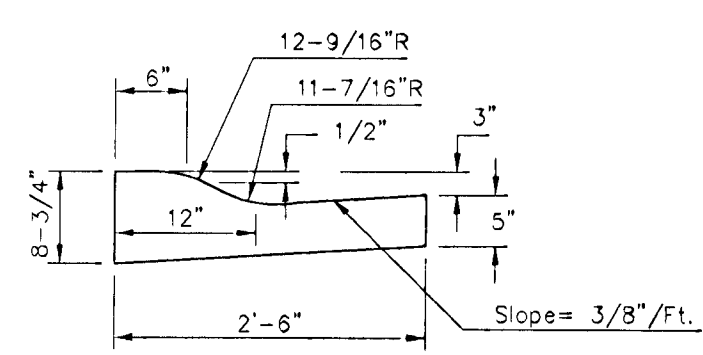
PERCENT OF AGGREGATE RETAINED

2-1/2"	0
3/4"	20 - 60
#4	50 - 80
#40	80 - 94
#200	90 - 98

ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I.

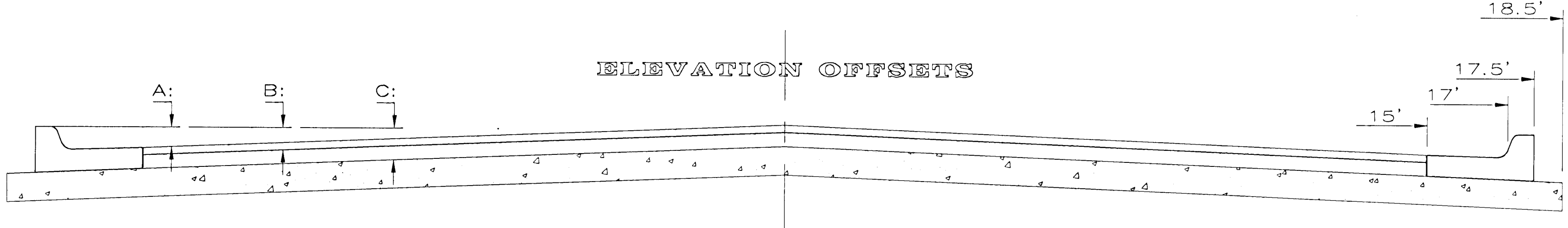


COMBINED CURB & GUTTER

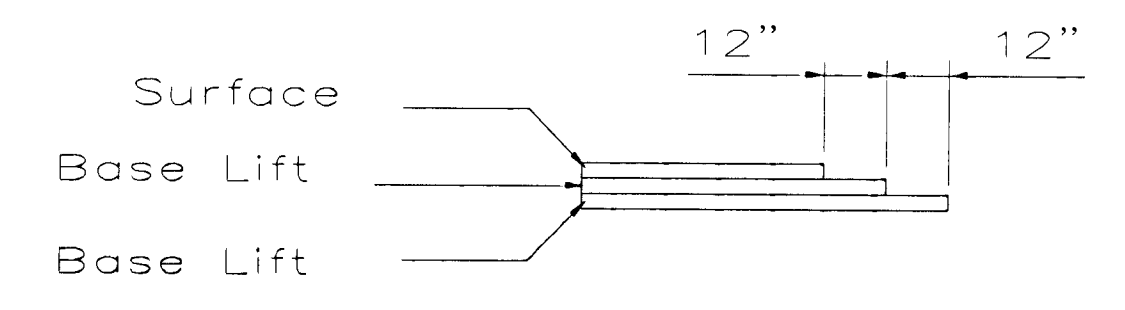


COMBINED ROLL TYPE CURB & GUTTER

ELEVATION OFFSETS

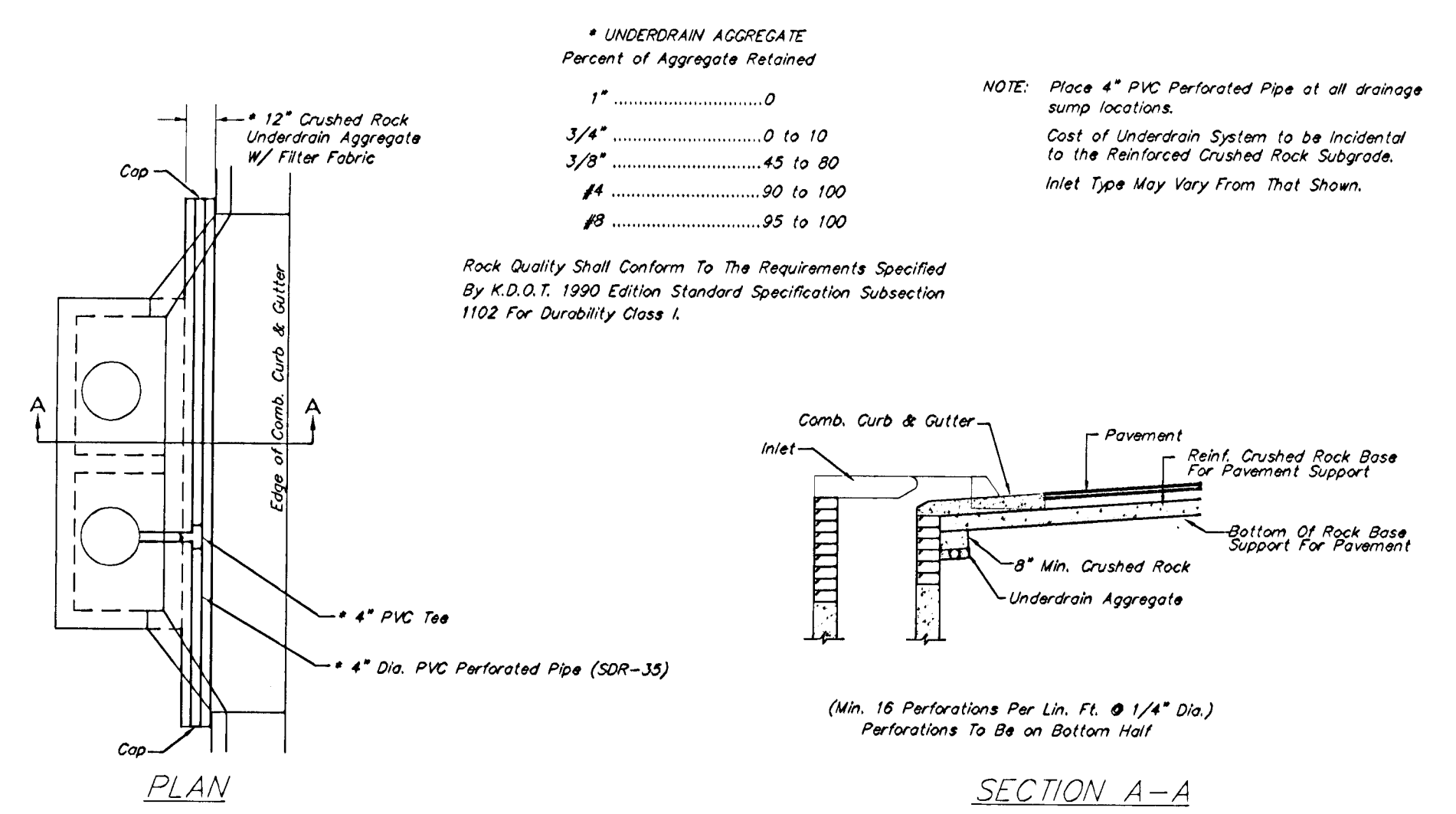


	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	18.5'	
A: Top of Curbs to Top of Surface Lift	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	-	-	-	
B: Top of Curbs to Top of Upper Base Lift	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	-	-	-	
C: Top of Curbs to Top of C. R. Subgrade	0.46	0.50	0.56	0.63	0.71	0.75	0.81	0.88	0.91	0.97	0.98	1.01	



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joints existing flexible base pavement as shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).



* UNDERDRAIN AGGREGATE
Percent of Aggregate Retained

1"	0
3/4"	0 to 10
3/8"	45 to 80
#4	90 to 100
#8	95 to 100

Rock Quality Shall Conform To The Requirements Specified By K.D.O.T. 1990 Edition Standard Specification Subsection 1102 For Durability Class I.

NOTE: Place 4" PVC Perforated Pipe at all drainage sump locations.
Cost of Underdrain System to be incidental to the Reinforced Crushed Rock Subgrade.
Inlet Type May Vary From That Shown.

PAVEMENT UNDERDRAIN DETAIL

NOT TO SCALE

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 BY TENSAR CORPORATION OR LBO201 BY TENAX CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

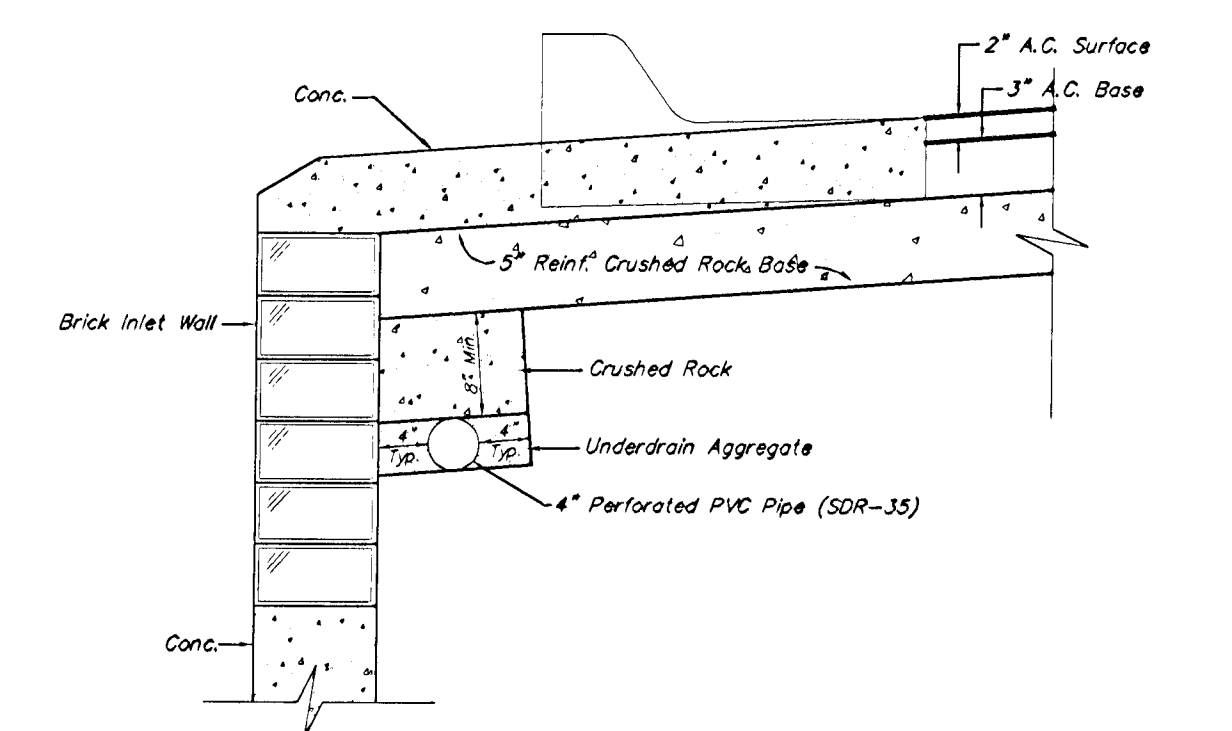
ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).



TRENCH DRAIN DETAIL FOR RES. STREETS

NOT TO SCALE

5 INCH Residential Asphaltic Concrete Pavement w/ Crushed Rock Base on Fabric Reinforcement
City of Wichita, Kansas

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

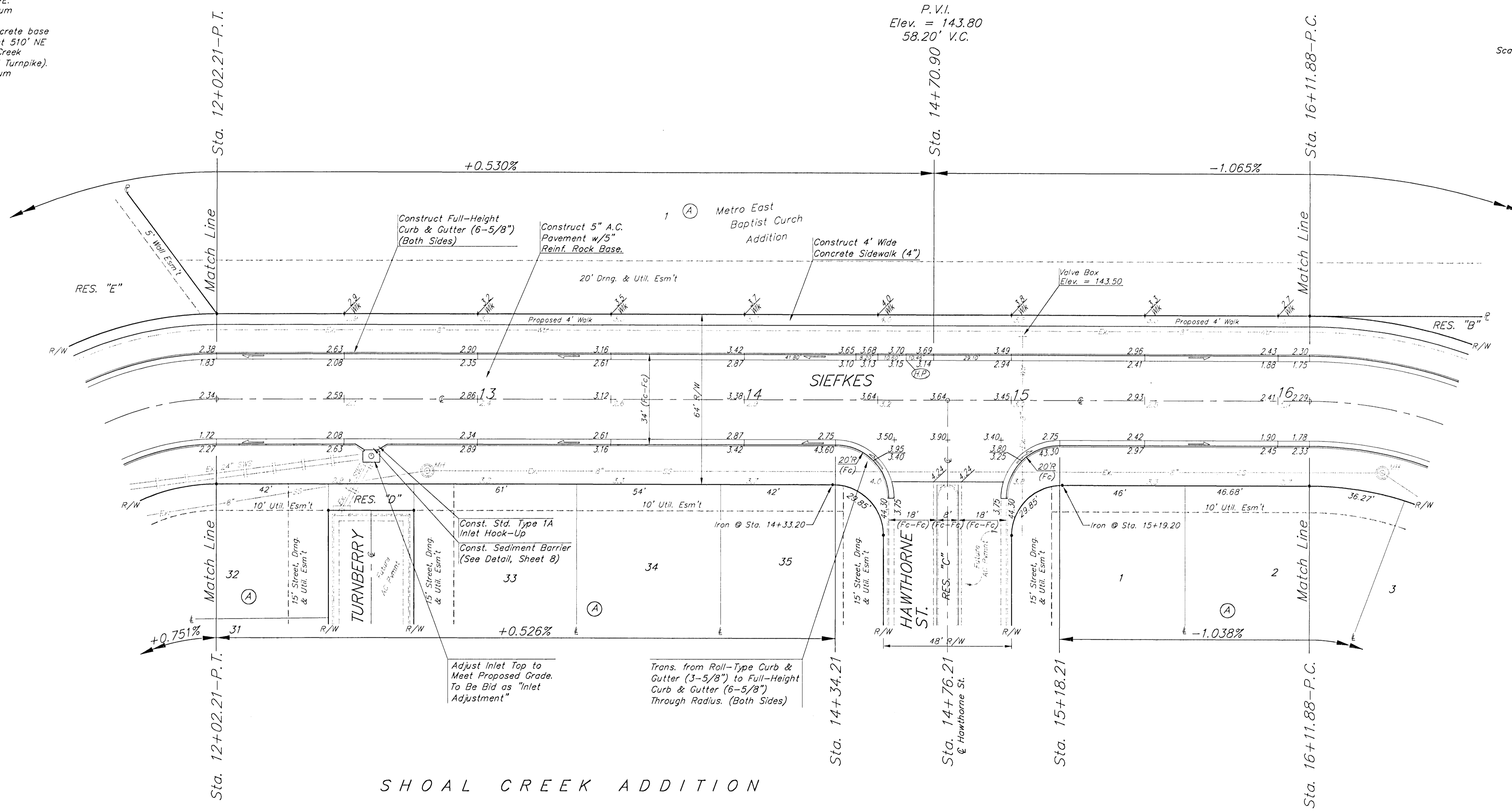
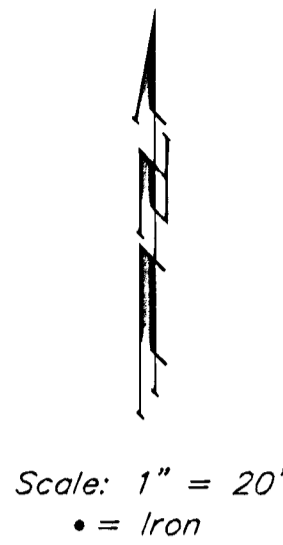
PROJECT NUMBER: 472-83298

DESIGN: C.O.W. DRAWN: Staff APPROVED: DATE: 2-01 SCALE: NONE SHEET: 2 OF 30

BENCHMARKS:
 BM #1 "D" Cut on Top of Curb,
 North Side Siefkes, NW of Center
 Line of Siefkes Ct., Shadybrook
 Meadow Addition.
 Elev. = 135.19 City Datum

BM #2 "D" Cut on SW corner of
 concrete base of SWB box 156'
 north and 41.5' west of E 1/4
 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

BM #3 "D" Cut on concrete base
 of R/W fence brace post 510' NE
 of SW corner of Shoal Creek
 Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum



SHOAL CREEK ADDITION

SHOAL CREEK ADDITION
SIEFKES
 Sta 12+02.21 to Sta 16+11.88

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PROJECT NUMBER 472-83296		SHEET 11	
DESIGN TMG	DRAWN JAK	APPROVED	DATE 02-01
		SCALE Noted	OF 30

BENCHMARKS:
 BM #1 "□" Cut on Top of Curb, North Side Siefkes, NW of Center Line of Siefkes Ct., Shadybrook Meadow Addition.
 Elev. = 135.19 City Datum

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 Elev. = 154.13 City Datum

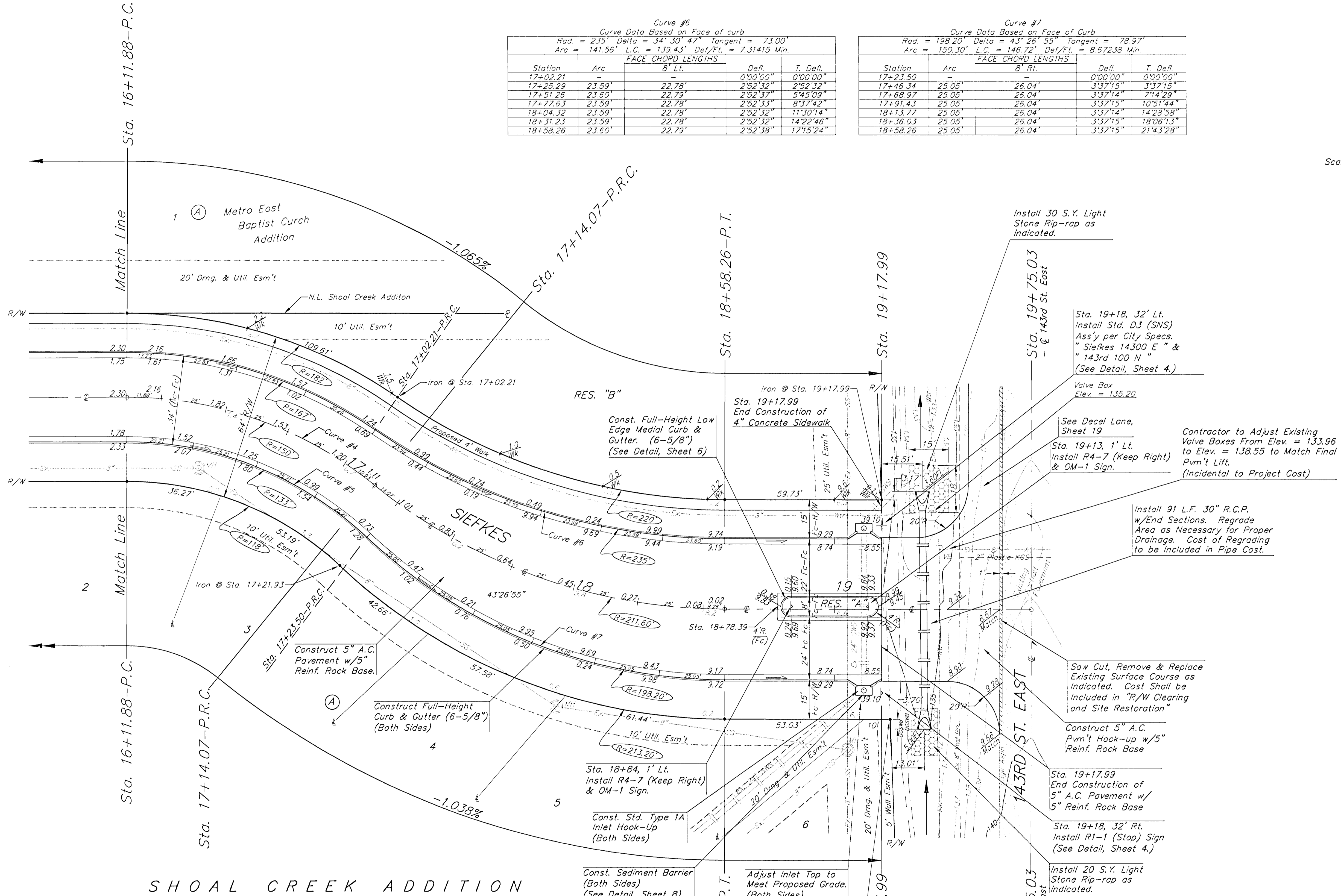
Curve #6
 Curve Data Based on Face of Curb
 Rad. = 235' Delta = 34° 30' 47" Tangent = 73.00'
 Arc = 141.56' L.C. = 139.43' Def/Ft. = 7.31415 Min.

Station	Arc	FACE CHORD LENGTHS		
		B' Lt.	Def.	T. Def.
17+02.21	-	-	0'00"00"	0'00"00"
17+25.29	23.59'	22.78'	2'52"32"	2'52"32"
17+51.26	23.60'	22.79'	2'52"37"	2'52"37"
17+77.63	23.59'	22.78'	2'52"32"	2'52"32"
18+04.32	23.59'	22.78'	2'52"32"	2'52"32"
18+31.23	23.59'	22.78'	2'52"32"	2'52"32"
18+58.26	23.60'	22.79'	2'52"38"	2'52"38"

Curve #7
 Curve Data Based on Face of Curb
 Rad. = 198.20' Delta = 43° 26' 55" Tangent = 78.97'
 Arc = 150.30' L.C. = 146.72' Def/Ft. = 8.67238 Min.

Station	Arc	FACE CHORD LENGTHS		
		B' Rt.	Def.	T. Def.
17+23.50	-	-	0'00"00"	0'00"00"
17+46.34	25.05'	26.04'	3'37"15"	3'37"15"
17+68.97	25.05'	26.04'	3'37"14"	3'37"14"
17+91.43	25.05'	26.04'	3'37"15"	3'37"15"
18+13.77	25.05'	26.04'	3'37"14"	3'37"14"
18+36.03	25.05'	26.04'	3'37"15"	3'37"15"
18+58.26	25.05'	26.04'	3'37"15"	3'37"15"

Scale: 1" = 20'
 • = Iron



SHOAL CREEK ADDITION

Curve #4
 Curve Data Based on Centerline
 Rad. = 150' Delta = 39° 02' 06" Tangent = 53.17'
 Arc = 102.19' L.C. = 100.23' Def/Ft. = 11.45954 Min.

Station	Arc	FACE CHORD LENGTHS		
		B' Lt.	B' Rt.	Def.
16+11.88	-	-	-	0'00"00"
16+25.00	13.12'	15.30'	10.93'	2'30"21"
16+50.00	25.00'	29.13'	20.81'	4'46"29"
16+75.00	25.00'	29.13'	20.81'	4'46"30"
17+02.21	27.21'	31.70'	22.64'	5'11"48"
17+14.07	11.86'	13.83'	9.88'	2'15"55"

Curve #5
 Curve Data Based on Face of Curb
 Rad. = 133' Delta = 43° 26' 28" Tangent = 52.98'
 Arc = 100.84' L.C. = 98.44' Def/Ft. = 12.92378 Min.

Station	Arc	FACE CHORD LENGTHS		
		B' Rt.	Def.	T. Def.
16+11.88	-	-	0'00"00"	0'00"00"
16+40.31	25.21'	23.66'	5'25"49"	5'25"49"
16+68.64	25.21'	23.66'	5'25"48"	5'25"48"
16+97.17	25.21'	23.66'	5'25"49"	5'25"49"
17+23.50	25.21'	23.66'	5'25"48"	5'25"48"

SHOAL CREEK ADDITION
SIEFKES
 Sta 16+11.88 to Sta 19+75.03

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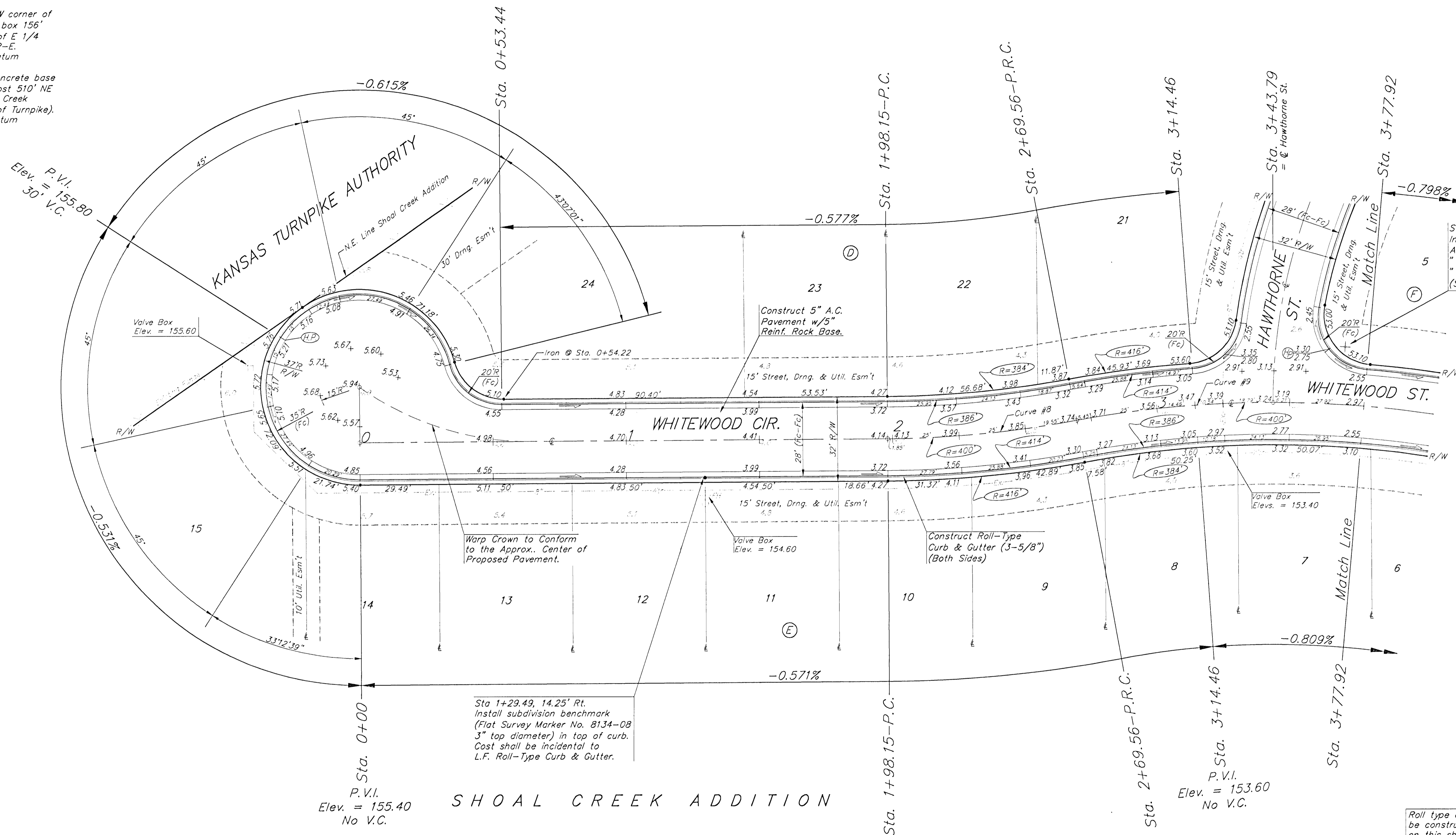
PROJECT NUMBER: _____ SHEET: **12** OF **30**

DESIGN: TMG DRAWN: JAK APPROVED: _____ DATE: 02-01 SCALE: Noted

BENCHMARKS:
 BM #1 "□" Cut on Top of Curb,
 North Side Siefkes, NW of Center
 Line of Siefkes Ct., Shadybrook
 Meadow Addition.
 Elev. = 135.19 City Datum

BM #2 "□" Cut on SW corner of
 concrete base of SWB box 156'
 north and 41.5' west of E 1/4
 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

BM #3 "□" Cut on concrete base
 of R/W fence brace post 510' NE
 of SW corner of Shoal Creek
 Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum



Sta. 3+70, 22' Lt.
 Install Std. D3 (SNS)
 Ass'y per City Specs.
 "Whitewood" &
 "Hawthorne"
 (See Detail, Sheet 4)

Sta 1+29.49, 14.25' Rt.
 Install subdivision benchmark
 (Flat Survey Marker No. 8134-08
 3" top diameter) in top of curb.
 Cost shall be incidental to
 L.F. Roll-Type Curb & Gutter.

Construct 5" A.C.
 Pavement w/5"
 Reinf. Rock Base.

Construct Roll-Type
 Curb & Gutter (3-5/8")
 (Both Sides)

SHOAL CREEK ADDITION

Curve #8
 Curve Data Based on Centerline
 Rad. = 400' Delta = 10° 13' 41" Tangent = 35.80'
 Arc = 71.41' L.C. = 71.31' Def/Ft. = 4.29690 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		B' Lt.	B' Rt.		
1+98.15	-	-	-	0'00"00"	0'00"00"
2+25.00	26.85'	25.37'	28.32'	1'55"22"	1'55"22"
2+50.00	25.00'	23.62'	26.37'	1'47"26"	3'42"48"
2+69.56	19.56'	18.48'	20.63'	1'24"03"	5'06"51"

Curve #9
 Curve Data Based on Centerline
 Rad. = 400' Delta = 24° 33' 51" Tangent = 87.08'
 Arc = 171.49' L.C. = 170.18' Def/Ft. = 4.29719 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		B' Lt.	B' Rt.		
2+69.56	-	-	-	0'00"00"	0'00"00"
2+75.00	5.44'	5.74'	5.14'	0'23"23"	0'23"23"
3+00.00	25.00'	26.37'	23.62'	1'47"25"	2'10"48"
3+14.46	14.46'	15.25'	13.66'	1'02"08"	3'12"56"
3+25.00	10.54'	11.12'	9.96'	0'45"17"	3'58"13"
3+50.00	25.00'	26.37'	23.62'	1'47"26"	5'45"39"
3+77.92	27.92'	29.45'	26.38'	1'59"58"	7'45"37"
4+00.00	22.08'	23.29'	20.86'	1'34"52"	9'20"29"
4+25.00	25.00'	26.37'	23.62'	1'47"26"	11'07"55"
4+41.05	16.05'	16.93'	15.17'	1'09"01"	12'16"56"

Roll type curb & gutter to
 be constructed on the pavement
 on this sheet.
 Top of curb elevation are given
 for full height curb.

SHOAL CREEK ADDITION
WHITEWOOD CIR.
 Sta. 0+00 to Sta. 3+77.92

BAUGHMAN COMPANY P.A.
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 316-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83298

DESIGN: TMG DRAWN: JAK APPROVED: DATE: 02-01 SCALE: Noted

SHEET
13
30

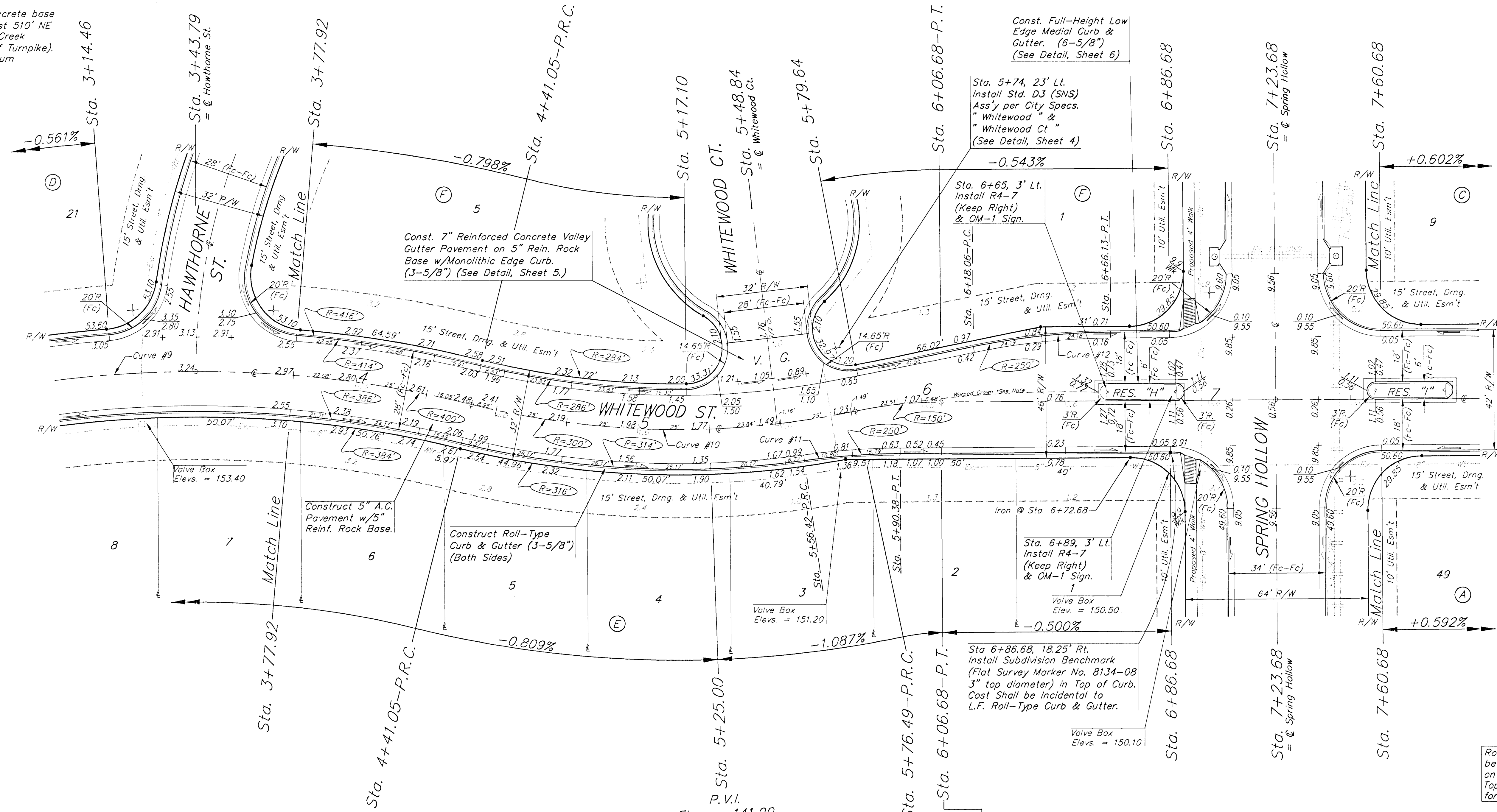
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 Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum

SHOAL CREEK ADDITION

Scale: 1" = 20'
 • = Iron



Curve #9
 Curve Data Based on Centerline
 Rad. = 400' Delta = 24° 33' 51" Tangent = 87.08'
 Arc = 171.49' L.C. = 170.18' Def/Ft. = 4.29719 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
2+69.56	-	-	-	0°00'00"	0°00'00"
2+75.00	5.44'	5.74'	5.14'	0°23'23"	0°23'23"
3+00.00	25.00'	26.37'	23.62'	1°47'25"	2°10'48"
3+14.46	14.46'	15.25'	13.66'	1°02'08"	3°12'56"
3+25.00	10.54'	11.12'	9.96'	0°45'17"	3°58'13"
3+50.00	25.00'	26.37'	23.62'	1°47'26"	5°45'39"
3+77.92	27.92'	29.45'	26.38'	1°59'58"	7°45'37"
4+00.00	22.08'	23.29'	20.86'	1°34'52"	9°20'29"
4+25.00	25.00'	26.37'	23.62'	1°47'26"	11°07'55"
4+41.05	16.05'	16.93'	15.17'	1°09'01"	12°16'56"

Curve #10
 Curve Data Based on Centerline
 Rad. = 300' Delta = 25° 52' 05" Tangent = 68.90'
 Arc = 135.44' L.C. = 134.30' Def/Ft. = 5.72978 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
4+41.05	-	-	-	0°00'00"	0°00'00"
4+50.00	8.95'	8.29'	9.61'	0°51'17"	0°51'17"
4+75.00	25.00'	23.16'	26.83'	2°23'15"	3°14'32"
5+00.00	25.00'	23.16'	26.83'	2°23'14"	5°37'46"
5+17.10	17.10'	15.84'	18.35'	1°37'59"	7°15'45"
5+25.00	7.90'	7.32'	8.48'	0°45'16"	8°01'07"
5+50.00	25.00'	23.16'	26.83'	2°23'15"	10°24'16"
5+56.42	6.42'	5.95'	6.89'	0°36'47"	11°01'03"
5+76.49	20.07'	18.60'	21.54'	1°53'00"	12°56'03"

Curve #11
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 7° 41' 57" Tangent = 16.82'
 Arc = 33.59' L.C. = 33.57' Def/Ft. = 6.87630 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
5+56.42	-	-	-	0°00'00"	0°00'00"
5+72.49	16.80'	16.26'	17.5331'	1°53'31"	1°53'31"
5+90.38	16.79'	16.29'	17.5328'	1°53'28"	3°50'59"

Curve #12
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 11°05' 10" Tangent = 24.26'
 Arc = 48.32' L.C. = 48.30' Def/Ft. = 6.87582 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
6+18.06	-	-	-	0°00'00"	0°00'00"
6+41.99	24.19'	24.96'	24.96'	2°46'20"	2°46'20"
6+66.13	24.18'	24.95'	24.95'	2°46'15"	3°32'35"

Roll type curb & gutter to be constructed on the pavement on this sheet.
 Top of curb elevation are given for full height curb.

NOTE: Warp Crown to Conform to the Approx. Center of Proposed Pavement.

SHOAL CREEK ADDITION
WHITEWOOD ST.
 Sta. 3+77.92 to Sta. 7+60.68

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83288

DESIGN: IMG DRAWN: JAK APPROVED: _____ DATE: 02-01 SCALE: Noted

SHEET
14
 OF
30

BENCHMARKS:
 BM #1 "□" Cut on Top of Curb, North Side Siefkes, NW of Center Line of Siefkes Ct., Shadybrook Meadow Addition.
 Elev. = 135.19 City Datum

BM #2 "□" Cut on SW corner of concrete base of SWB box 156' north and 41.5' west of E 1/4 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

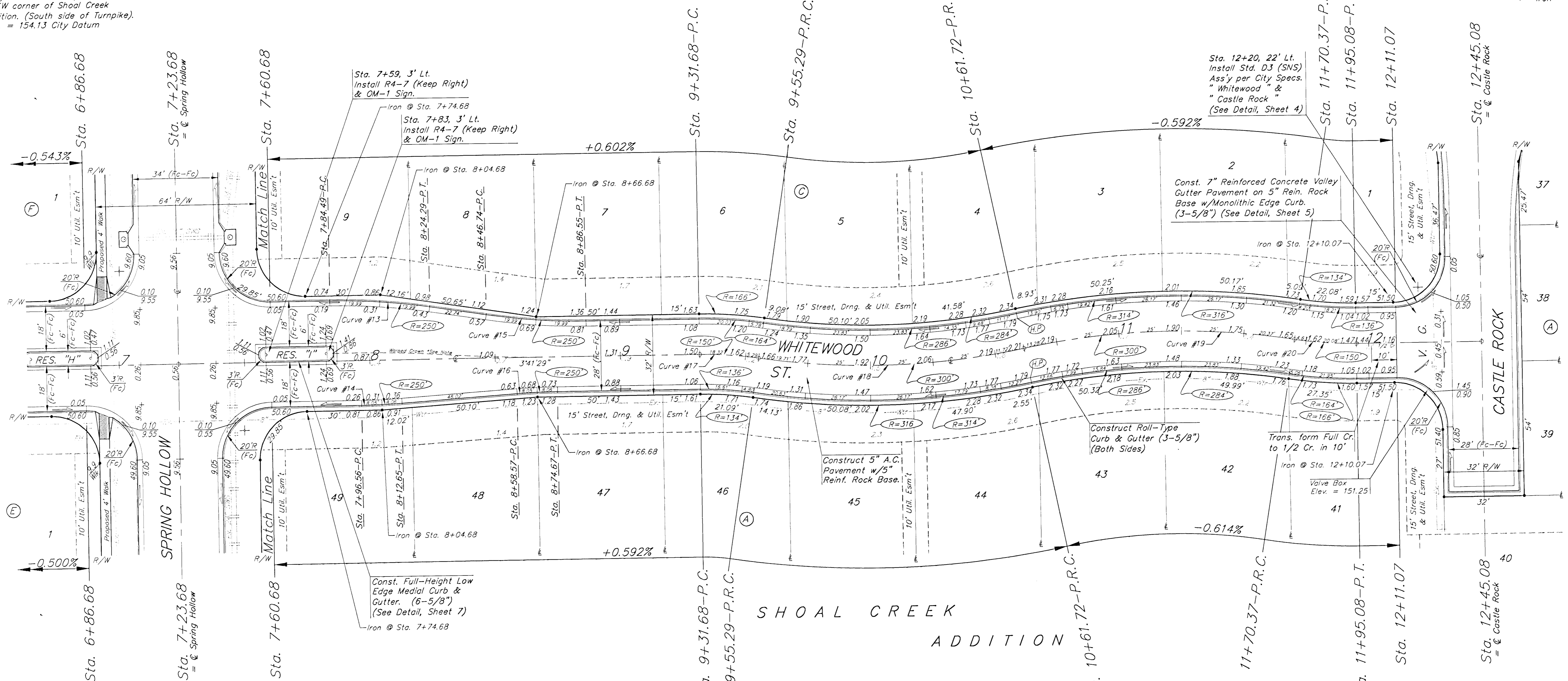
BM #3 "□" Cut on concrete base of R/W fence brace post 510' NE of SW corner of Shoal Creek Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum

Curve #19
 Curve Data Based on Centerline
 Rad. = 300' Delta = 20° 44' 59" Tangent = 54.92'
 Arc = 108.65' L.C. = 108.05' Del/Ft. = 5.72933 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
10+61.72	-	-	-	0'00"00"	0'00"00"
10+75.00	13.28'	14.25'	12.30'	1'16"05"	1'16"05"
11+00.00	25.00'	26.82'	23.16'	2'23"14"	3'39"19"
11+25.00	25.00'	26.82'	23.16'	2'23"14"	6'02"33"
11+50.00	25.00'	26.82'	23.16'	2'23"14"	8'25"47"
11+70.37	20.37'	21.86'	18.87'	1'56"43"	10'22"30"

Curve #20
 Curve Data Based on Centerline
 Rad. = 150' Delta = 9° 26' 20" Tangent = 12.38'
 Arc = 24.71' L.C. = 24.68' Del/Ft. = 11.45960 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
11+70.37	-	-	-	0'00"00"	0'00"00"
11+75.00	4.63'	3.95'	5.31'	0'53"03"	0'53"03"
11+95.08	20.08'	17.12'	23.01'	3'50"07"	4'43"10"



Curve #13
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 9° 09' 44" Tangent = 20.03'
 Arc = 39.98' L.C. = 39.94' Del/Ft. = 6.87510 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
7+84.49	-	-	-	0'00"00"	0'00"00"
8+04.45	19.99'	20.62'	21'72"	2'17"26"	2'17"26"
8+24.29	19.99'	20.62'	21'72"	4'34"52"	4'34"52"

Curve #15
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 9° 09' 44" Tangent = 20.03'
 Arc = 39.98' L.C. = 39.94' Del/Ft. = 6.87510 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
8+46.74	-	-	-	0'00"00"	0'00"00"
8+66.58	19.99'	19.34'	21'72"	2'17"26"	2'17"26"
8+86.55	19.99'	19.34'	21'72"	4'34"52"	4'34"52"

Curve #14
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 3° 41' 29" Tangent = 8.06'
 Arc = 16.11' L.C. = 16.10' Del/Ft. = 6.87409 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
7+96.56	-	-	-	0'00"00"	0'00"00"
8+04.61	8.05'	8.31'	0'55"20"	0'55"20"	0'55"20"
8+12.65	8.06'	8.32'	0'55"20"	1'50"45"	1'50"45"

Curve #16
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 3° 41' 29" Tangent = 8.06'
 Arc = 16.11' L.C. = 16.10' Del/Ft. = 6.87409 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
8+58.57	-	-	-	0'00"00"	0'00"00"
8+66.62	8.05'	7.79'	0'55"20"	0'55"20"	0'55"20"
8+74.67	8.06'	7.80'	0'55"25"	1'50"45"	1'50"45"

Curve #17
 Curve Data Based on Centerline
 Rad. = 150' Delta = 9° 00' 59" Tangent = 11.83'
 Arc = 23.61' L.C. = 23.58' Del/Ft. = 11.45666 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
9+31.68	-	-	-	0'00"00"	0'00"00"
9+50.00	18.32'	20.99'	15.62'	3'29"53"	3'29"53"
9+55.29	5.29'	6.06'	4.51'	1'00"37"	4'30"30"

Curve #18
 Curve Data Based on Centerline
 Rad. = 300' Delta = 20° 19' 38" Tangent = 53.78'
 Arc = 106.43' L.C. = 105.88' Del/Ft. = 5.72974 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
9+55.29	-	-	-	0'00"00"	0'00"00"
9+75.00	19.71'	18.26'	21.15'	1'52"56"	1'52"56"
10+00.00	25.00'	23.16'	26.83'	2'23"14"	4'16"11"
10+25.00	25.00'	23.16'	26.83'	2'23"14"	6'39"25"
10+50.00	25.00'	23.16'	26.83'	2'23"14"	8'62"39"
10+61.72	11.72'	10.86'	12.58'	1'07"09"	10'09"49"

Roll type curb & gutter to be constructed on the pavement on this sheet.
 Top of curb elevation are given for full height curb.

P.V.I.
 Elev. = 152.40
 41.30' V.C.

NOTE: Warp Crown to Conform to the Approx. Center of Proposed Pavement.

SHOAL CREEK ADDITION
WHITEWOOD ST.
 Sta 7+00.88 to Sta 12+45.08

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83298

DESIGN: TMG DRAWN: JAK APPROVED: DATE: 02-01 SCALE: Noted

SHEET
15
 OF
30

Scale: 1" = 20'
 • = Iron



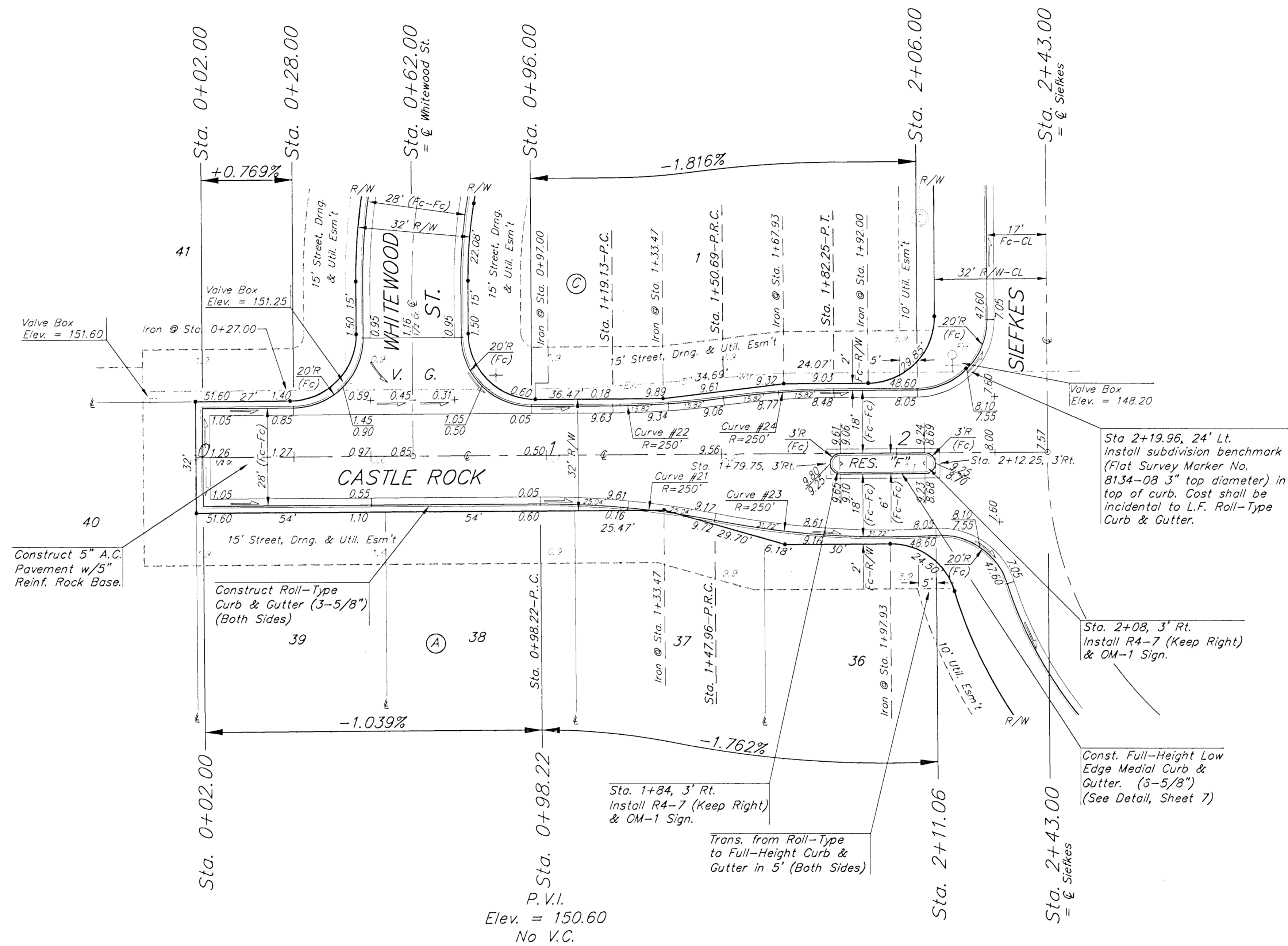
BENCHMARKS:
 BM #1 "□" Cut on Top of Curb,
 North Side Siefkes, NW of Center
 Line of Siefkes Ct., Shadybrook
 Meadow Addition.
 Elev. = 135.19 City Datum

BM #2 "□" Cut on SW corner of
 concrete base of SWB box 156'
 north and 41.5' west of E 1/4
 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

BM #3 "□" Cut on concrete base
 of R/W fence brace post 510' NE
 of SW corner of Shoal Creek
 Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum



Scale: 1" = 20'
 • = Iron



SHOAL CREEK ADDITION

Roll type curb & gutter to
 be constructed on the pavement
 on this sheet.
 Top of curb elevation are given
 for full height curb.

Curve #21
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 111° 28' 42" Tangent = 25.13'
 Arc = 50.08' L.C. = 50.00' Def/ft. = 6.87600 Min.

Station	Arc	8' Lt.	Defl.	T. Defl.
0+98.22	-	-	0°00'00"	0°00'00"
1+23.22	25.04'	25.83'	2°52'10"	2°52'10"
1+47.96	25.04'	25.83'	2°52'10"	5°44'21"

Curve #22
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 71° 15' 08" Tangent = 15.84'
 Arc = 31.64' L.C. = 31.62' Def/ft. = 6.87632 Min.

Station	Arc	8' Lt.	Defl.	T. Defl.
1+19.13	-	-	0°00'00"	0°00'00"
1+34.94	15.82'	15.31'	1°48'47"	1°48'47"
1+50.69	15.82'	15.31'	1°48'47"	3°37'34"

Curve #23
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 14° 32' 20" Tangent = 31.89'
 Arc = 63.44' L.C. = 63.22' Def/ft. = 6.87526 Min.

Station	Arc	8' Lt.	Defl.	T. Defl.
1+47.96	-	-	0°00'00"	0°00'00"
1+79.37	31.72'	32.71'	3°38'05"	3°38'05"
2+11.06	31.72'	32.72'	3°38'05"	7°16'11"

Curve #24
 Curve Data Based on Face of Curb
 Rad. = 250' Delta = 71° 15' 08" Tangent = 15.84'
 Arc = 31.64' L.C. = 31.62' Def/ft. = 6.87632 Min.

Station	Arc	8' Lt.	Defl.	T. Defl.
1+50.69	-	-	0°00'00"	0°00'00"
1+66.44	15.82'	16.33'	1°48'47"	1°48'47"
1+82.25	15.82'	16.33'	1°48'47"	3°37'34"

SHOAL CREEK ADDITION
CASTLE ROCK
 Sta 0+00 to Sta 2+43.00

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-262-7271 • 316 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83298

DESIGN: TMG DRAWN: JAK APPROVED: DATE: 02-01 SCALE: Noted SHEET: **16** OF **30**

BENCHMARKS:
 BM #1 "□" Cut on Top of Curb,
 North Side Siefkes, NW of Center
 Line of Siefkes Ct., Shadybrook
 Meadow Addition.
 Elev. = 135.19 City Datum

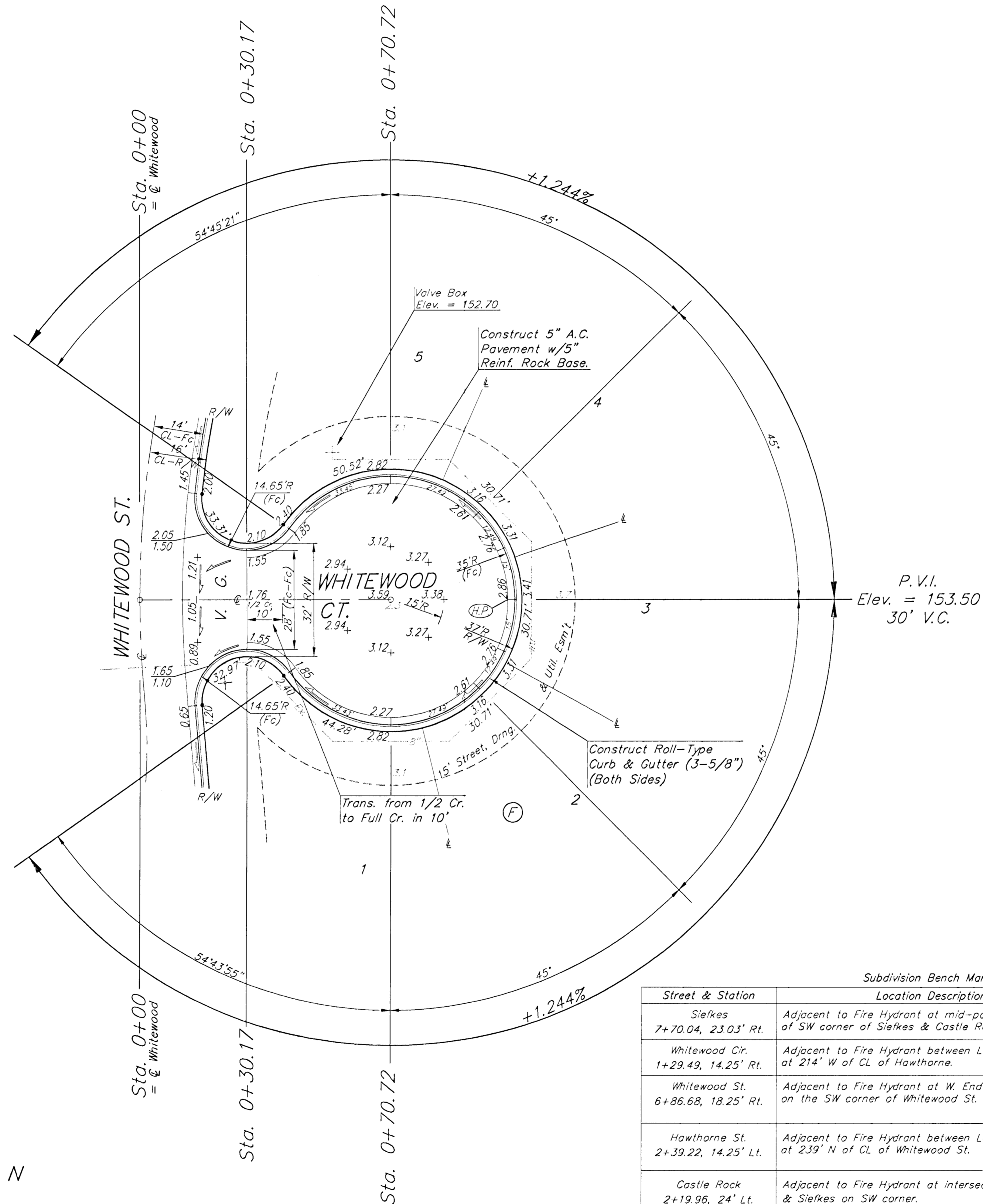
BM #2 " " Cut on SW corner of □
 concrete base of SWB box 156'
 north and 41.5' west of E 1/4
 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

BM #3 " " Cut on concrete base □
 of R/W fence brace post 510' NE
 of SW corner of Shoal Creek
 Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum

SHOAL CREEK ADDITION



Scale: 1" = 20'
 • = Iron



P.V.I.
 Elev. = 153.50
 30' V.C.

Subdivision Bench Marks

Street & Station	Location Description	Elevation
Siefkes 7+70.04, 23.03' Rt.	Adjacent to Fire Hydrant at mid-point of W. Curb Return of SW corner of Siefkes & Castle Rock	
Whitewood Cr. 1+29.49, 14.25' Rt.	Adjacent to Fire Hydrant between Lots 11-12, Block E at 214' W of CL of Hawthorne.	
Whitewood St. 6+86.68, 18.25' Rt.	Adjacent to Fire Hydrant at W. End of S. Curb Return on the SW corner of Whitewood St. & Spring Hollow	
Hawthorne St. 2+39.22, 14.25' Lt.	Adjacent to Fire Hydrant between Lots 17-18, Block D at 239' N of CL of Whitewood St.	
Castle Rock 2+19.96, 24' Lt.	Adjacent to Fire Hydrant at intersection of Castle Rock & Siefkes on SW corner.	

Roll type curb & gutter to be constructed on the pavement on this sheet.
 Top of curb elevation are given for full height curb.

SHOAL CREEK ADDITION

SHOAL CREEK ADDITION
WHITEWOOD CT.
 Lots 1-5, Block F

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PROJECT NUMBER
472-83288

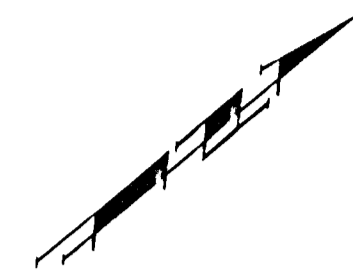
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SHEET **17** OF **30**

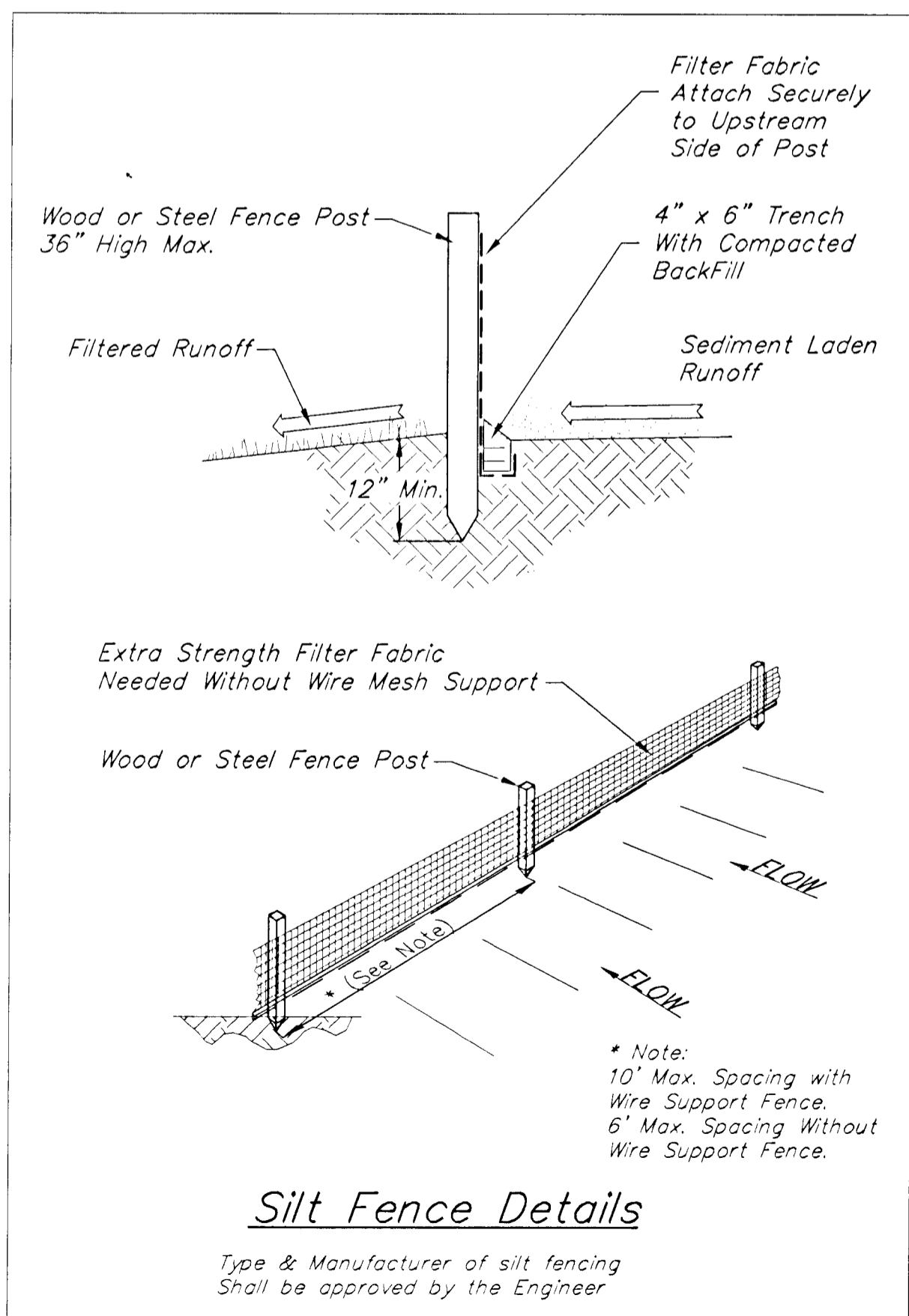
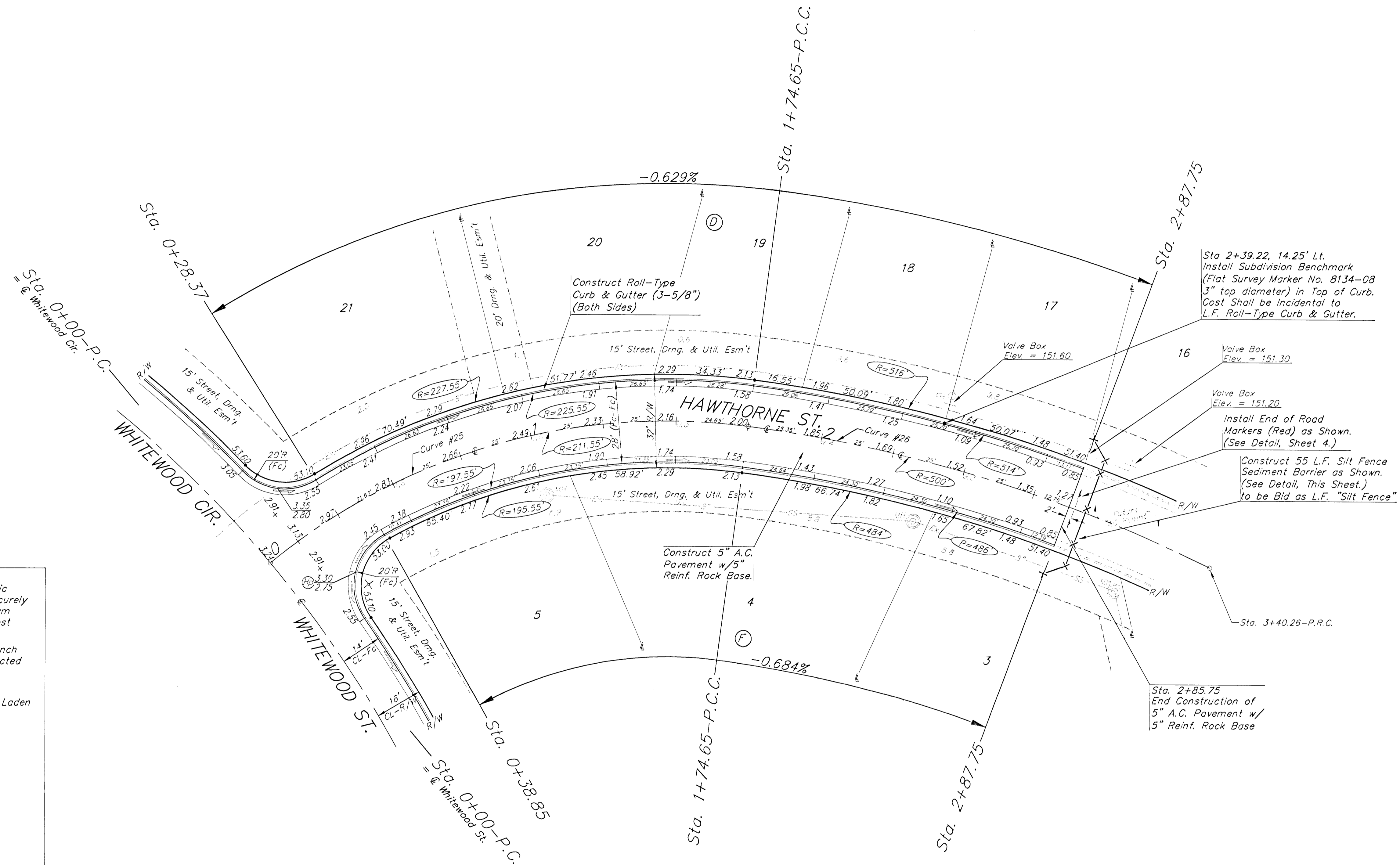
BENCHMARKS:
 BM #1 "□" Cut on Top of Curb, North Side Siefkes, NW of Center Line of Siefkes Ct., Shadybrook Meadow Addition.
 Elev. = 135.19 City Datum

BM #2 "□" Cut on SW corner of concrete base of SWB box 156' north and 41.5' west of E 1/4 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

BM #3 "□" Cut on concrete base of R/W fence brace post 510' NE of SW corner of Shoal Creek Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum



Scale: 1" = 20'
 • = Iron



SHOAL CREEK ADDITION

Curve #25
 Curve Data Based on Centerline
 Rad. = 211.65' Delta = 41°18'11" Tangent = 92.69'
 Arc = 174.65' L.C. = 169.82' Del/Fl. = 8.12535 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		B' Lt.	B' Rt.		
0+00.00	-	-	-	0°00'00"	0°00'00"
0+25.00	25.00'	27.60'	22.40'	3°23'08"	3°23'08"
0+28.37	3.37'	3.72'	3.02'	0°27'23"	3°50'31"
0+38.85	10.48'	11.57'	9.39'	1°25'09"	5°15'40"
0+50.00	11.15'	12.31'	9.99'	1°30'36"	6°46'16"
0+75.00	25.00'	27.60'	22.40'	3°23'08"	10°09'24"
1+00.00	25.00'	27.60'	22.40'	3°23'08"	13°32'32"
1+25.00	25.00'	27.60'	22.40'	3°23'08"	16°55'40"
1+50.00	25.00'	27.60'	22.40'	3°23'08"	20°18'48"
1+74.65	24.65'	27.21'	22.09'	3°20'18"	23°39'06"

Curve #26
 Curve Data Based on Centerline
 Rad. = 500' Delta = 18°58'37" Tangent = 83.57'
 Arc = 165.61' L.C. = 164.85' Del/Fl. = 3.43764 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		B' Lt.	B' Rt.		
1+74.65	-	-	-	0°00'00"	0°00'00"
2+00.00	25.35'	26.46'	24.23'	1°27'09"	1°27'09"
2+25.00	25.00'	26.10'	23.90'	1°25'56"	2°53'05"
2+50.00	25.00'	26.10'	23.90'	1°25'57"	4°19'02"
2+75.00	25.00'	26.10'	23.90'	1°25'56"	5°44'58"
2+85.75	10.75'	11.22'	10.28'	0°36'57"	6°21'55"
3+00.00	14.25'	14.88'	13.62'	0°49'00"	7°10'55"
3+25.00	25.00'	26.10'	23.90'	1°25'56"	8°36'51"
3+40.26	15.26'	15.93'	14.59'	0°52'27"	9°29'18"

Roll type curb & gutter to be constructed on the pavement on this sheet.
 Top of curb elevation are given for full height curb.

SHOAL CREEK ADDITION
HAWTHORNE ST.
 Sta. 0+00 to Sta. 2+87.75

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83288

DESIGN: TMG DRAWN: JAK APPROVED: DATE: 02-01 SCALE: Noted

SHEET
18
 OF
30

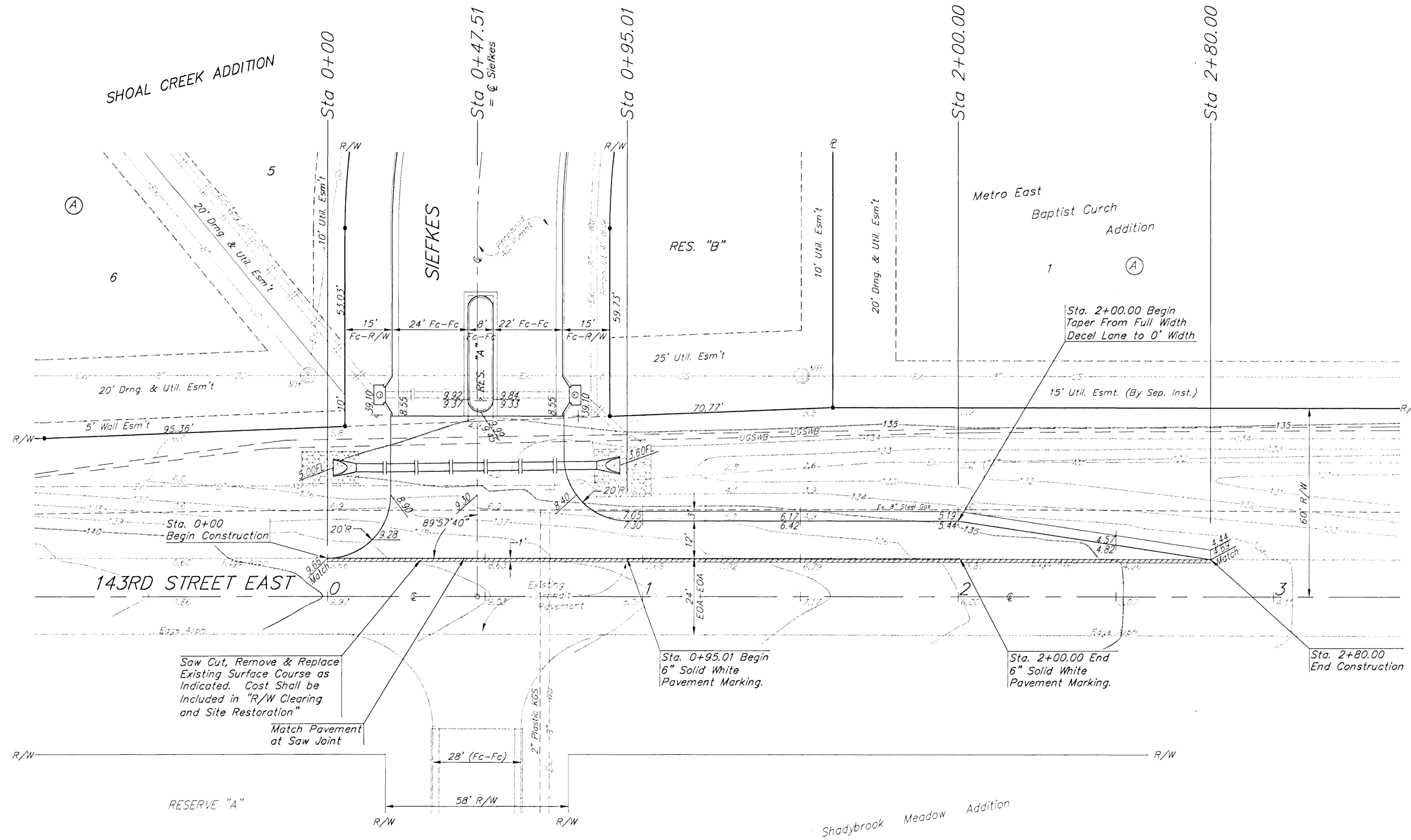
BENCHMARKS:
 BM #1 "□" Cut on Top of Curb,
 North Side Siefkes, NW of Center
 Line of Siefkes Ct., Shadybrook
 Meadow Addition.
 Elev. = 135.19 City Datum

BM #2 "□" Cut on SW corner of
 concrete base of SWB box 156'
 north and 41.5' west of E 1/4
 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

BM #3 "□" Cut on concrete base
 of R/W fence brace post 510' NE
 of SW corner of Shoal Creek
 Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum



Scale: 1" = 20'
 • = Iron

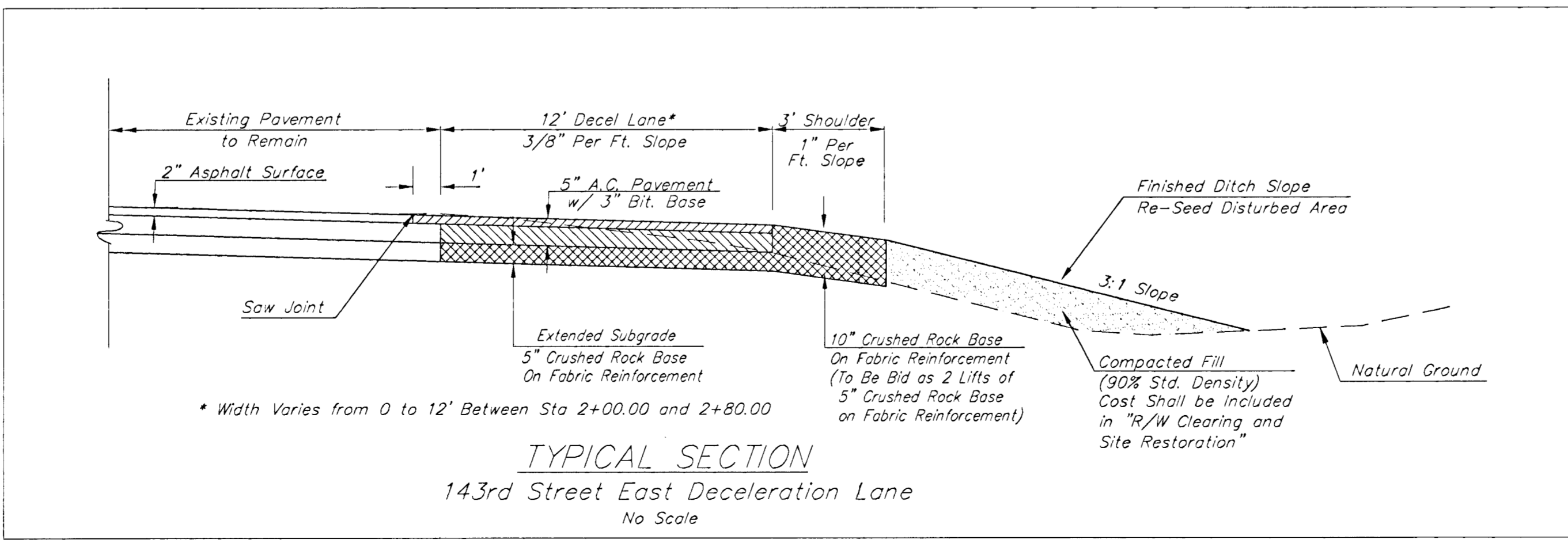


Saw Cut, Remove & Replace
 Existing Surface Course as
 Indicated. Cost Shall be
 Included in "R/W Clearing
 and Site Restoration"

Sta. 0+95.01 Begin
 6" Solid White
 Pavement Marking.

Sta. 2+00.00 End
 6" Solid White
 Pavement Marking.

Sta. 2+80.00
 End Construction



SHOAL CREEK ADDITION
DECEL LANE
 Sta 0+00 to Sta 2+80.00

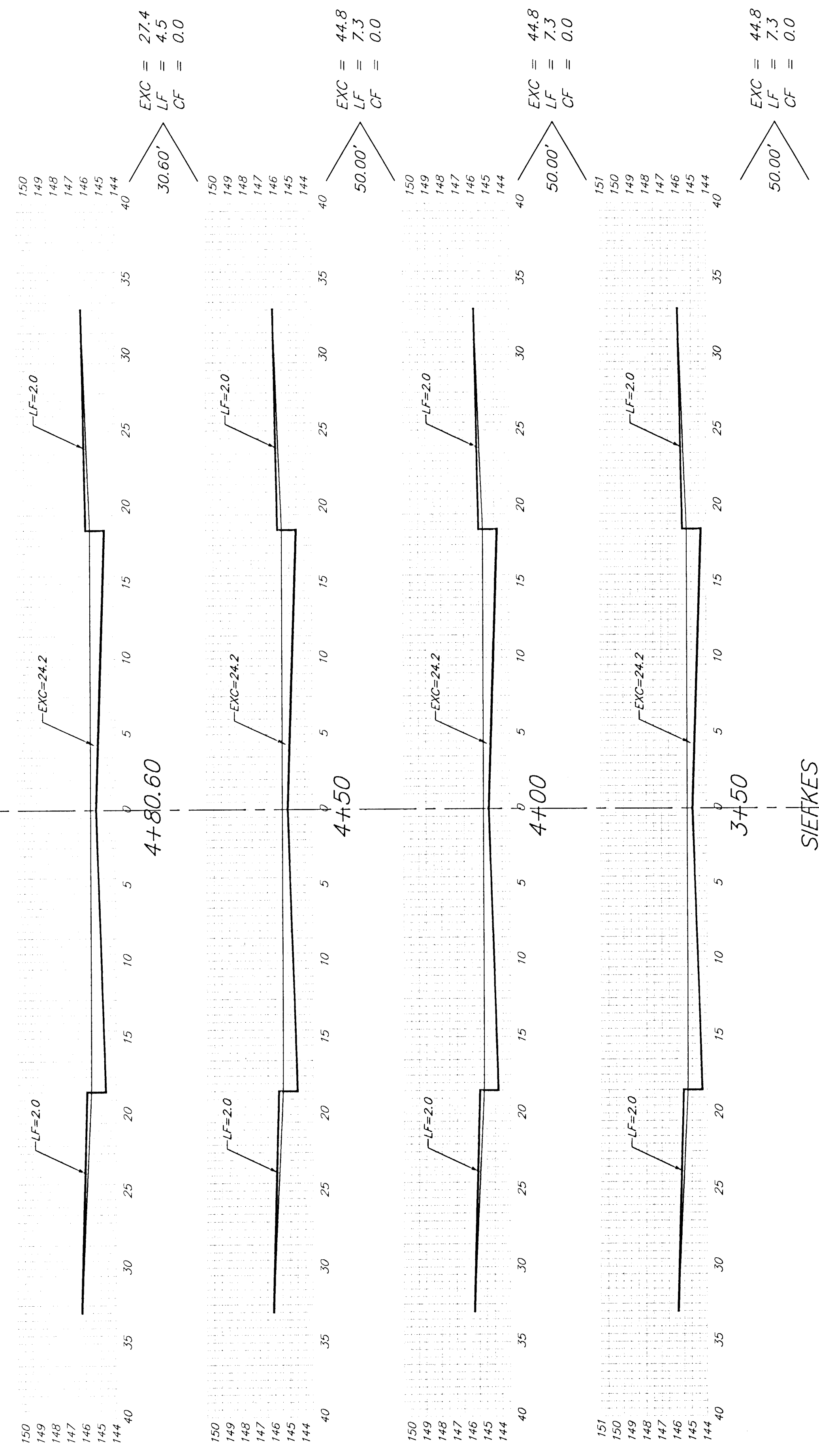
BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-262-7271 • 318 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-09299

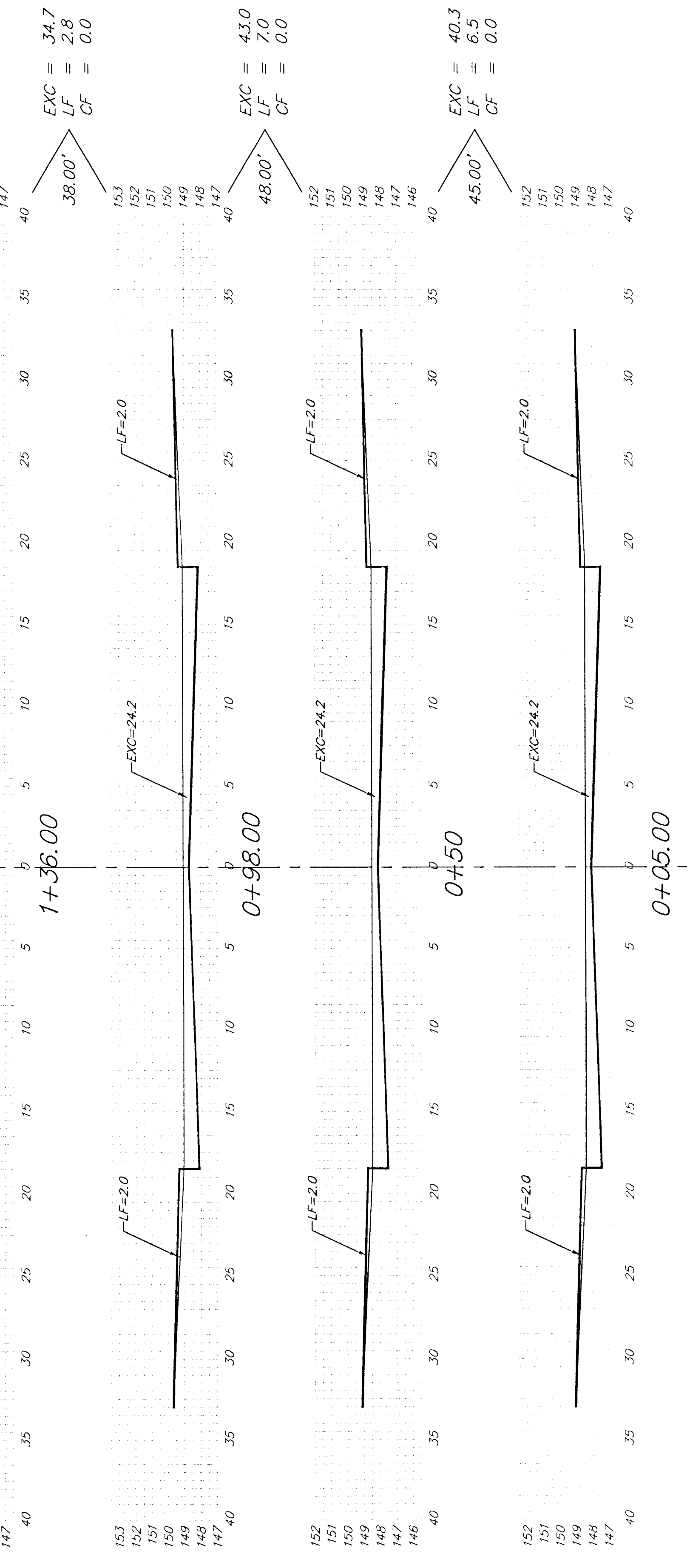
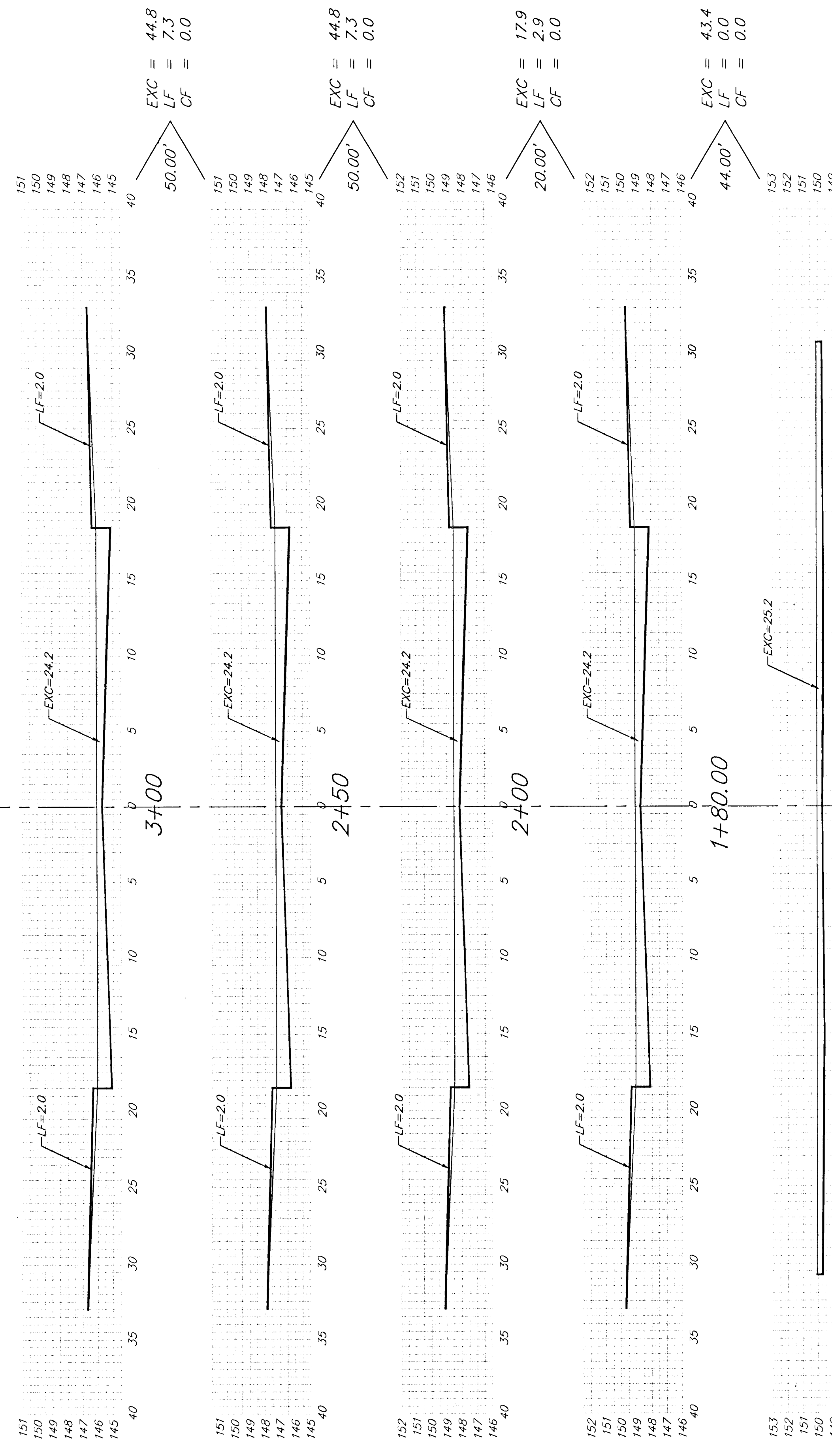
DESIGN: TMG DRAWN: JAK APPROVED: DATE: 02-01 SCALE: Noted

SHEET
19
 OF
30

Shoal Decel 00-11-2504



SIERKES



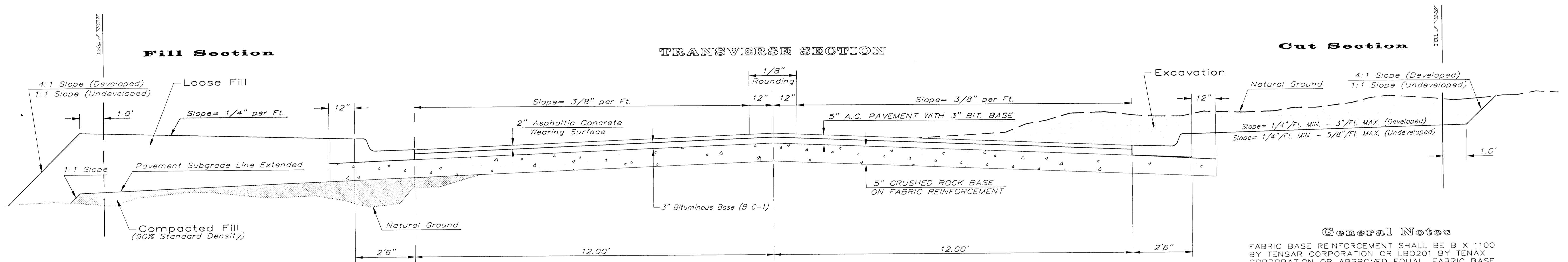
SPRING HOLLOW

Excavation = 430.7
 Loose Fill = 60.2
 Compacted Fill = 0.0

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
518-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83298

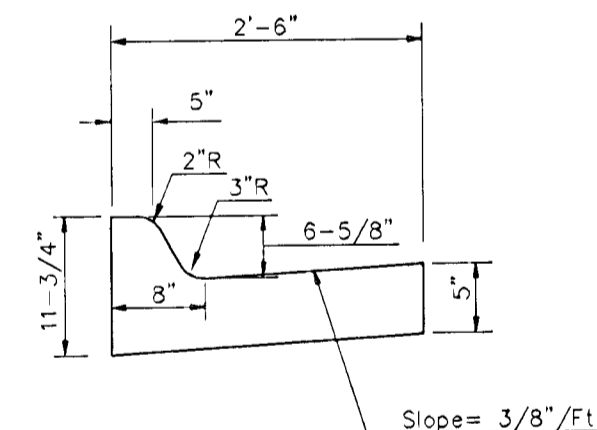
TYPICAL 29' B-B PAVEMENT DETAILS



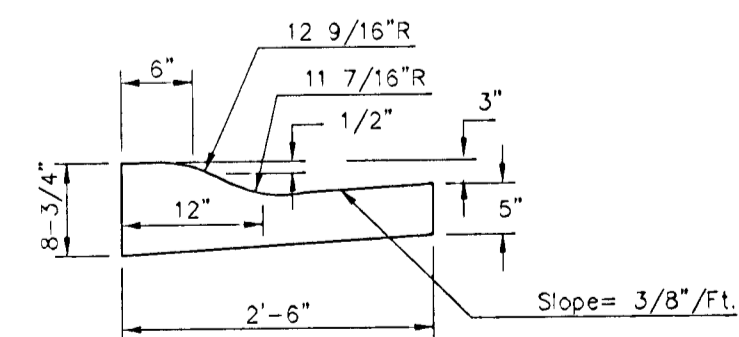
CRUSHED ROCK GRADATION REQUIREMENTS PERCENT OF AGGREGATE RETAINED

2-1/2"	0
3/4"	20 - 60
#4	50 - 80
#40	80 - 94
#200	90 - 98

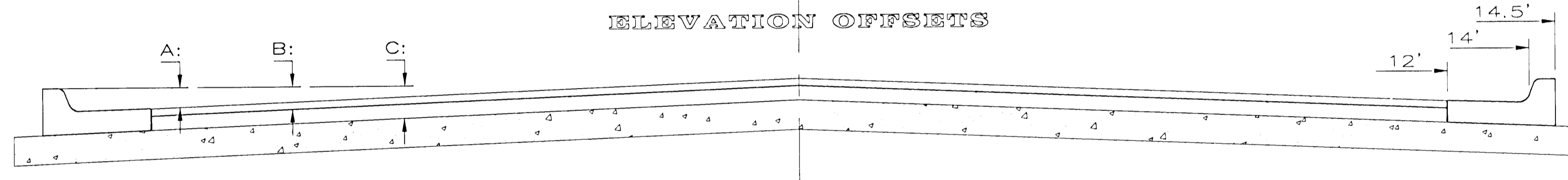
ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS 1.



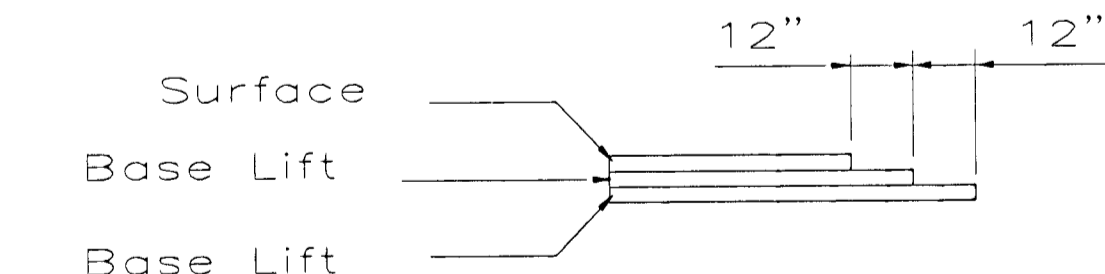
COMBINED CURB & GUTTER



COMBINED ROLL TYPE CURB & GUTTER

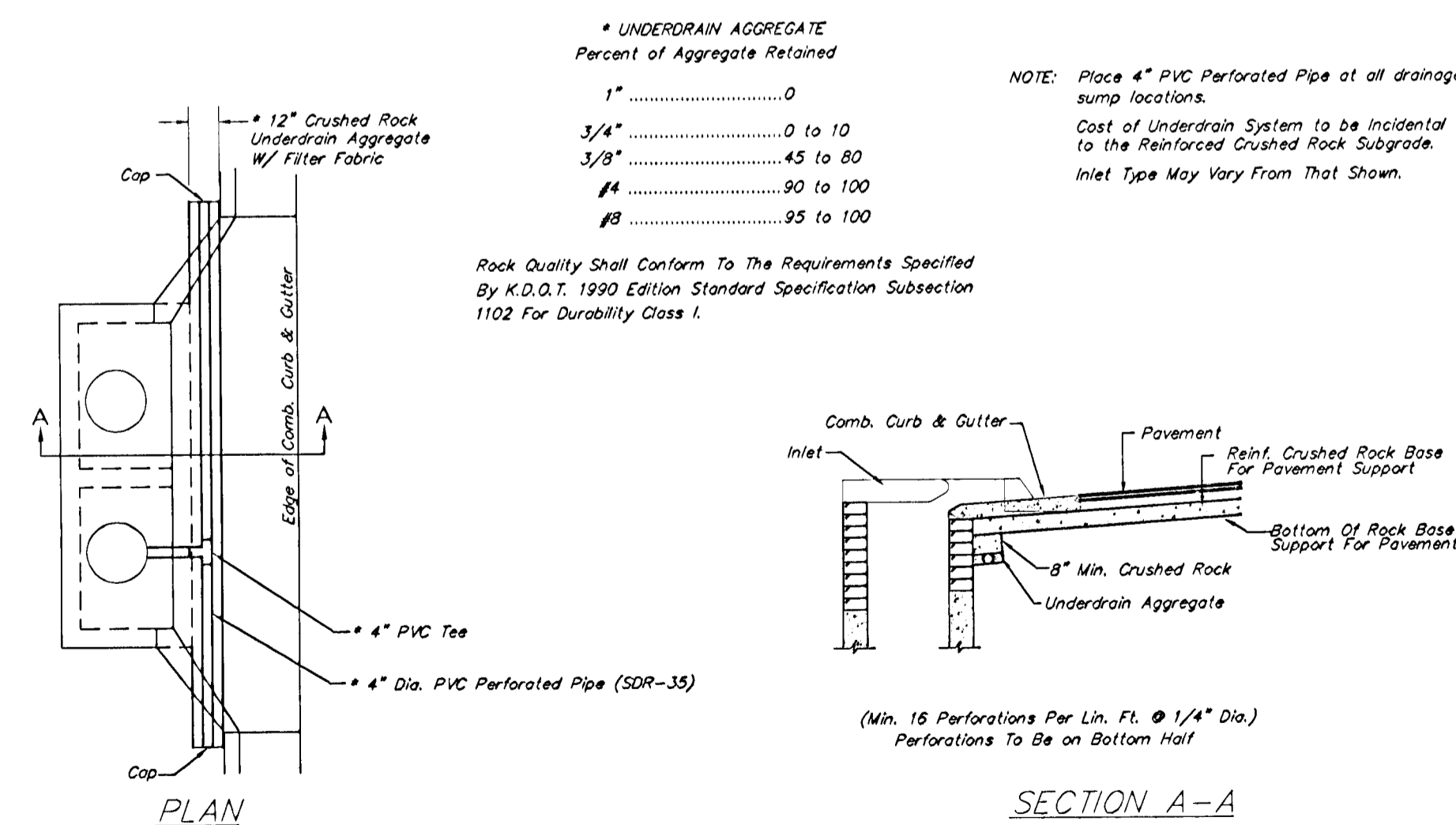


	DISTANCE FROM CENTERLINE (LT. & RT.)										
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	15.5'
A: Top of Curbs to Top of Surface Lift	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	-	-	-
B: Top of Curbs to Top of Upper Base Lift	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	-	-	-
C: Top of Curbs to Top of C.R. Subgrade	0.55	0.60	0.66	0.72	0.75	0.78	0.85	0.91	0.97	0.98	1.01

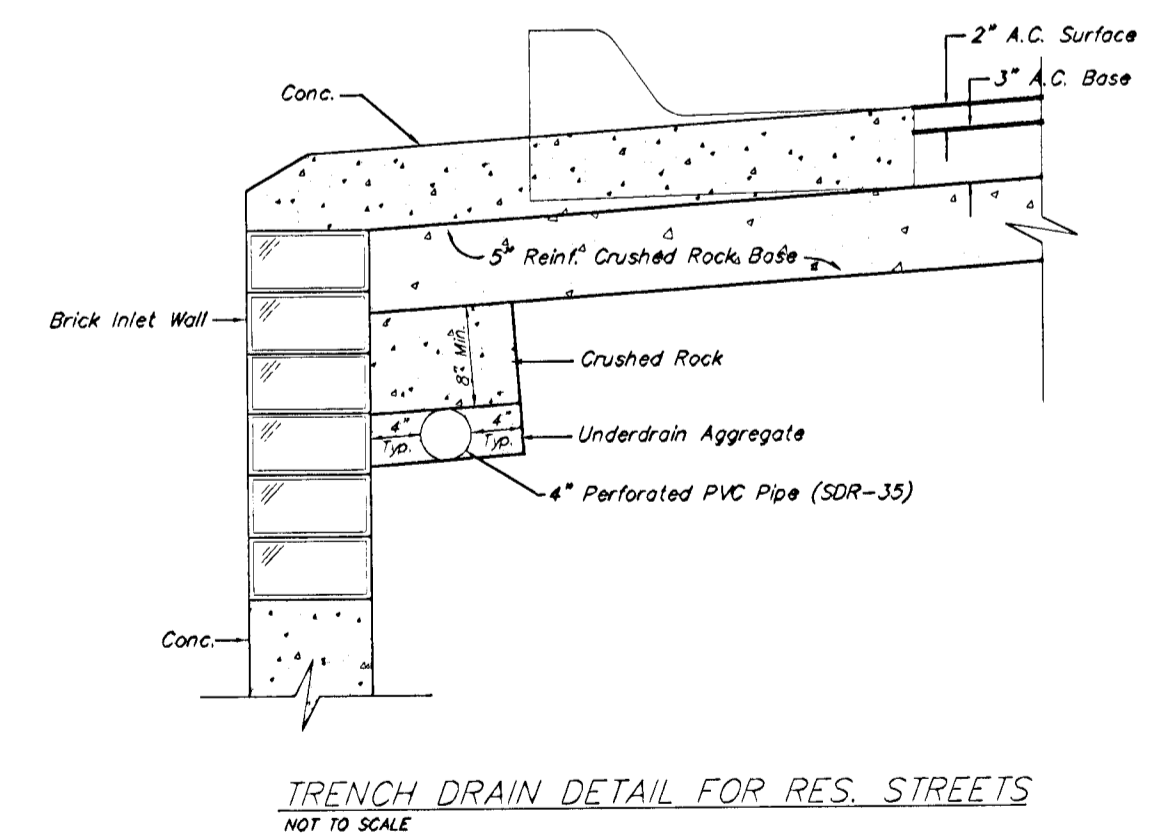


TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joins existing flexible base pavement as shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).



PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE



TRENCH DRAIN DETAIL FOR RES. STREETS
NOT TO SCALE

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 BY TENSAR CORPORATION OR LBO201 BY TENAX CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

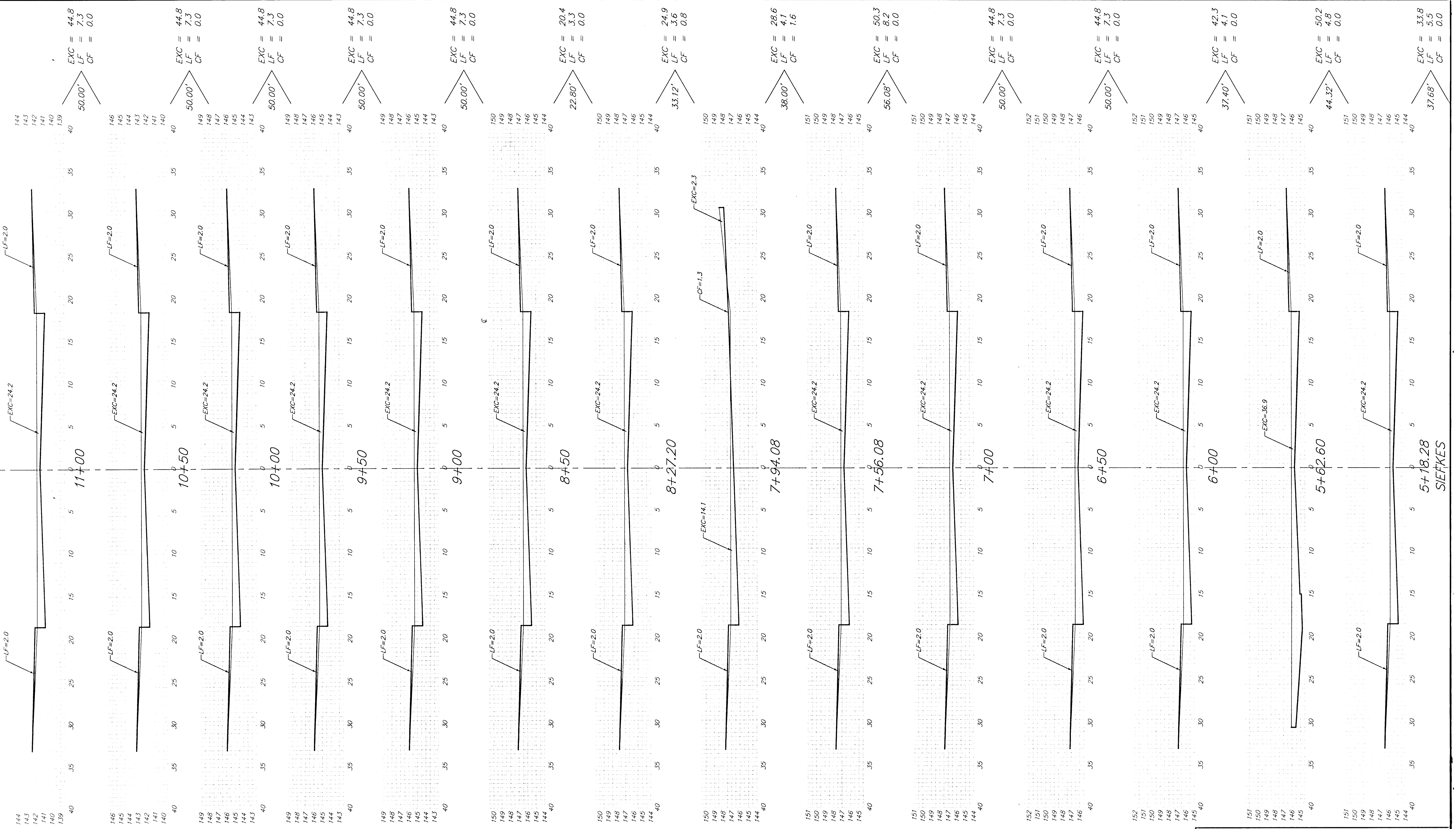
THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).

5 INCH Residential Asphaltic Concrete
Pavement w/ Crushed Rock Base on Fabric Reinforcement
City of Wichita, Kansas

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83298

DESIGN: C.O.W. DRAWN: Staff APPROVED: DATE: 2-01 SCALE: SHEET: **3** OF **30**



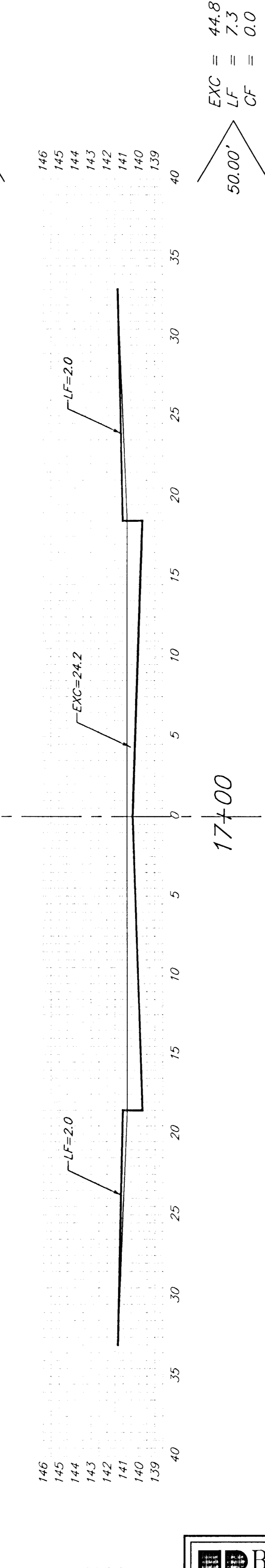
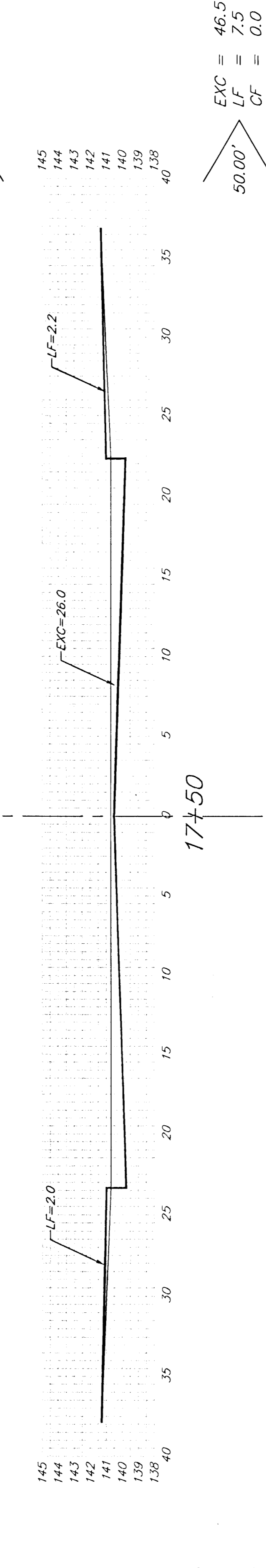
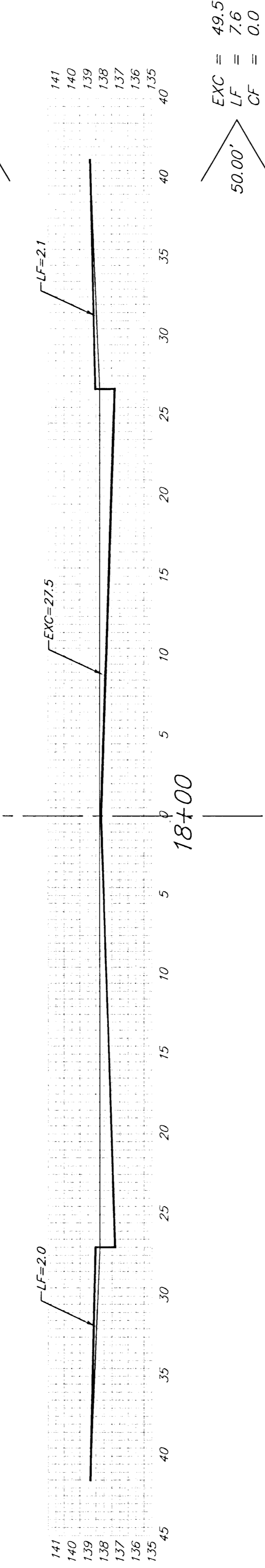
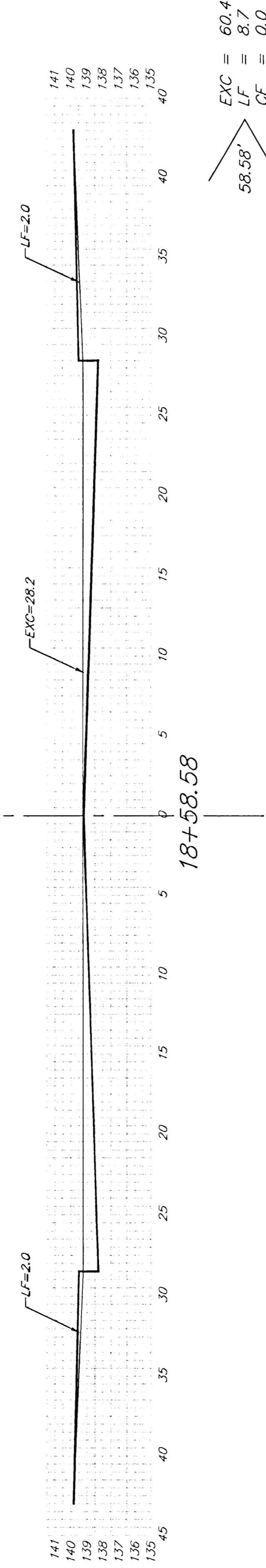
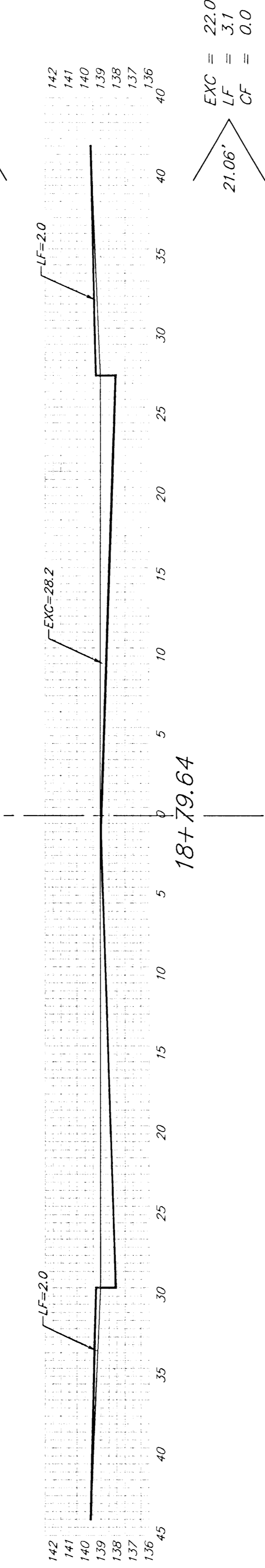
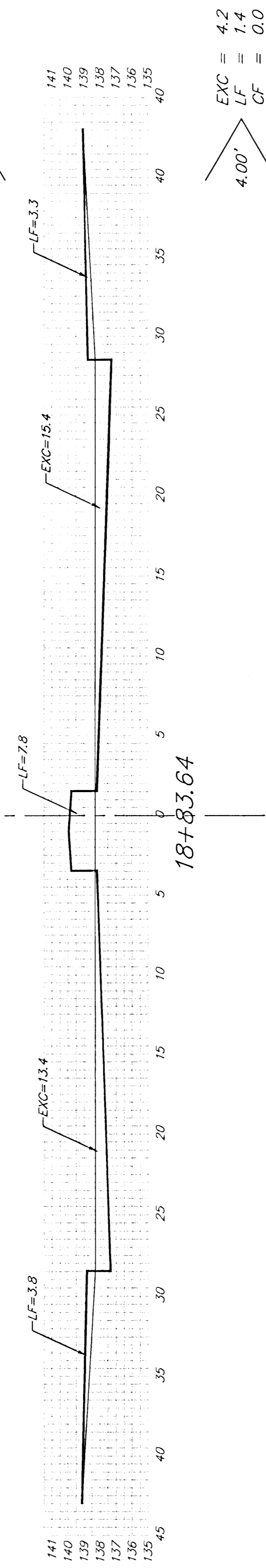
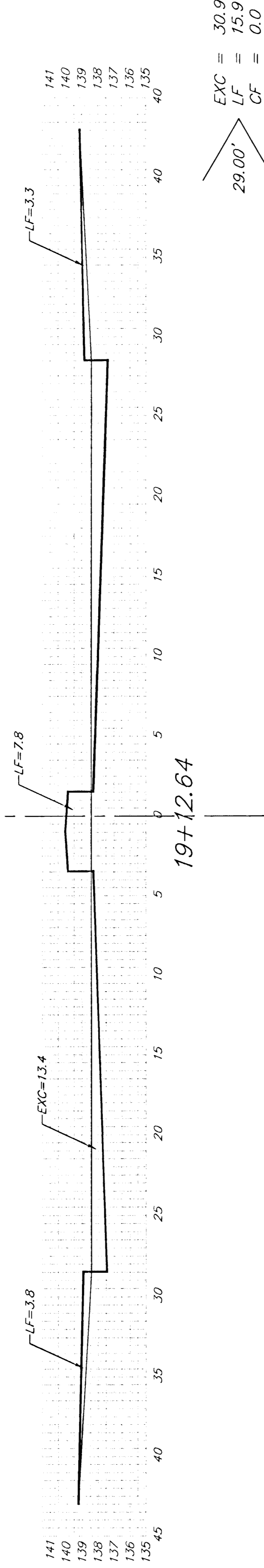
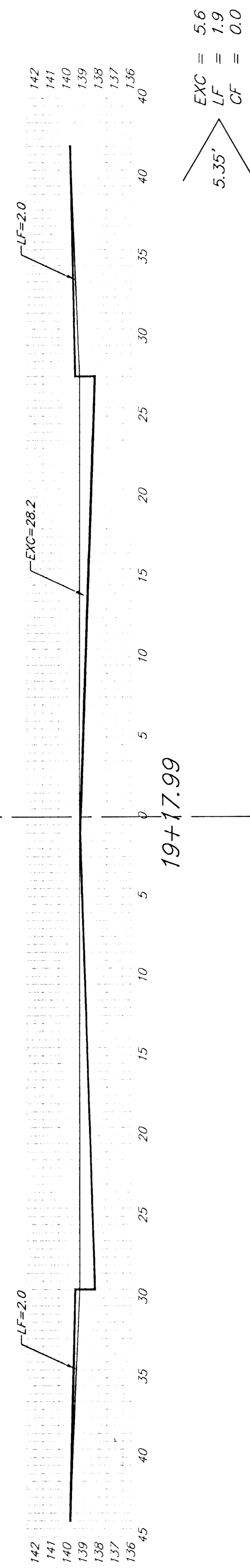
Excavation = 564.1
 Loose Fill = 84.7
 Compacted Fill = 2.4

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-292-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83298

REV. **21**
 SHEET **30**

SIEFKES



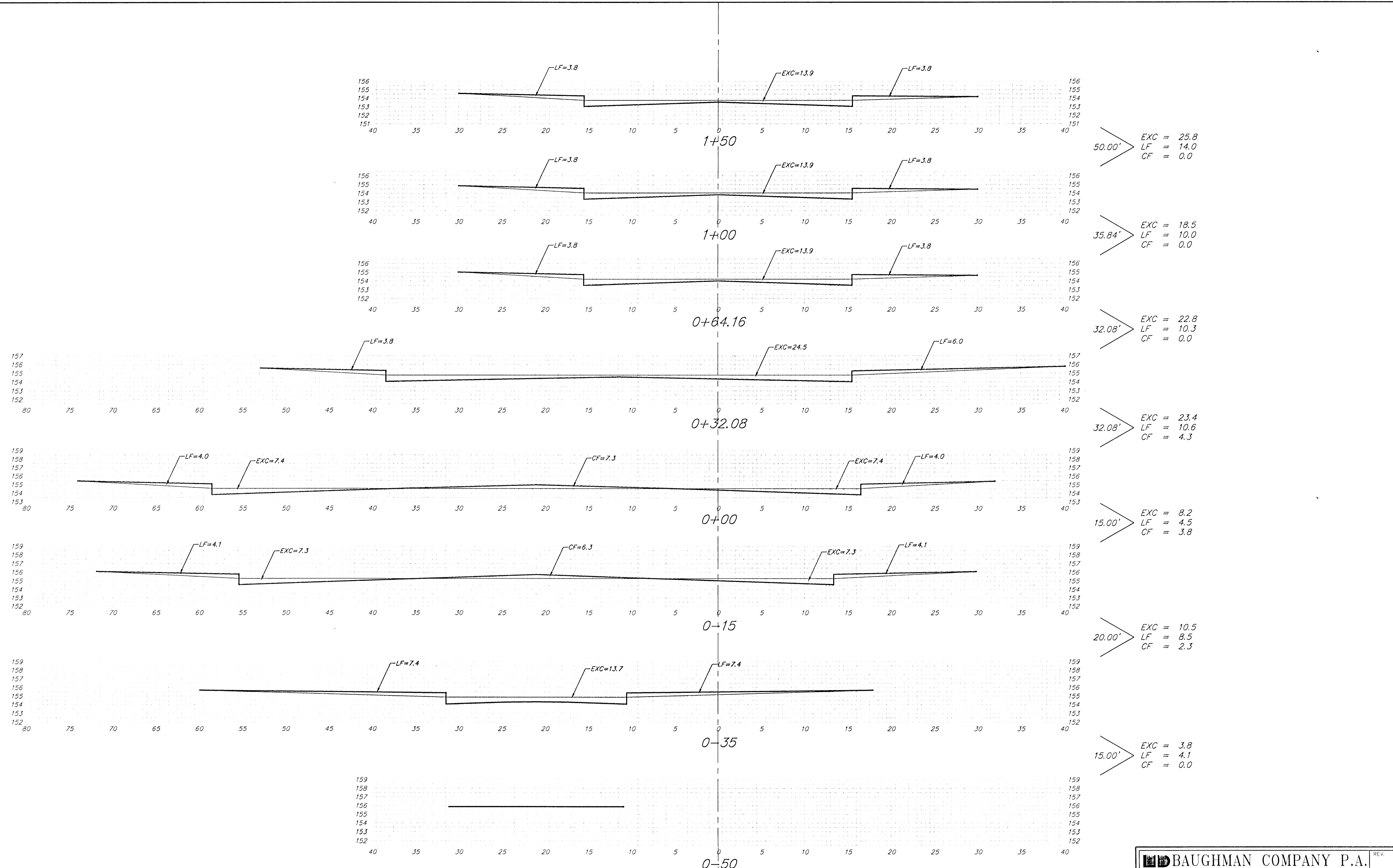
SIEFKES

Excavation = 263.9
Loose Fill = 53.4
Compacted Fill = 0.0

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
315-262-7211 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83298

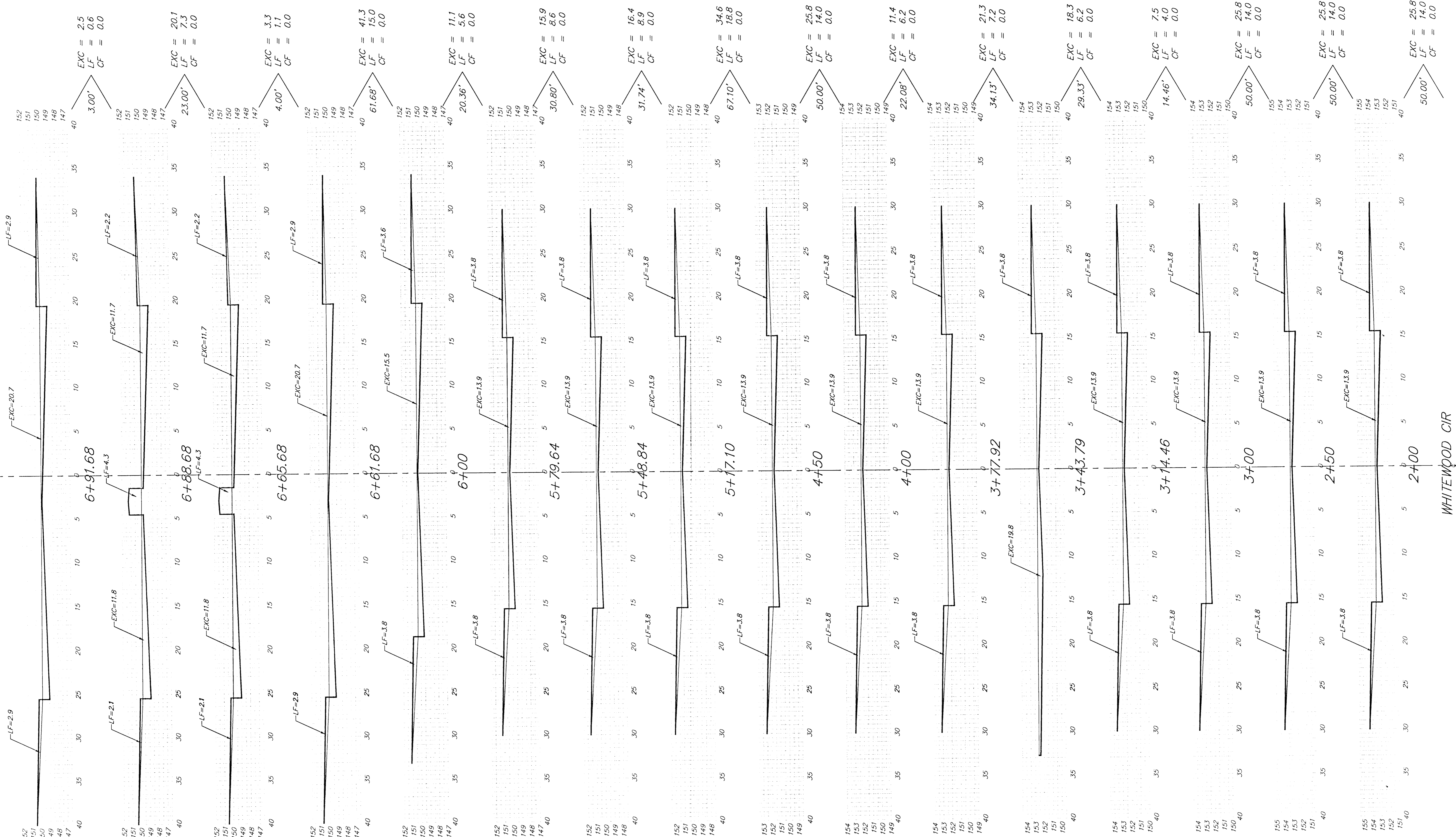
REV. SHEET
33
30



WHITEWOOD CIR

Excavation = 113.0
Loose Fill = 62.0
Compacted Fill = 10.4

	BAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, & PLANNING <small>318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211</small>		REV.
	PROJECT NUMBER 472-63256		SHEET 24 OF 30



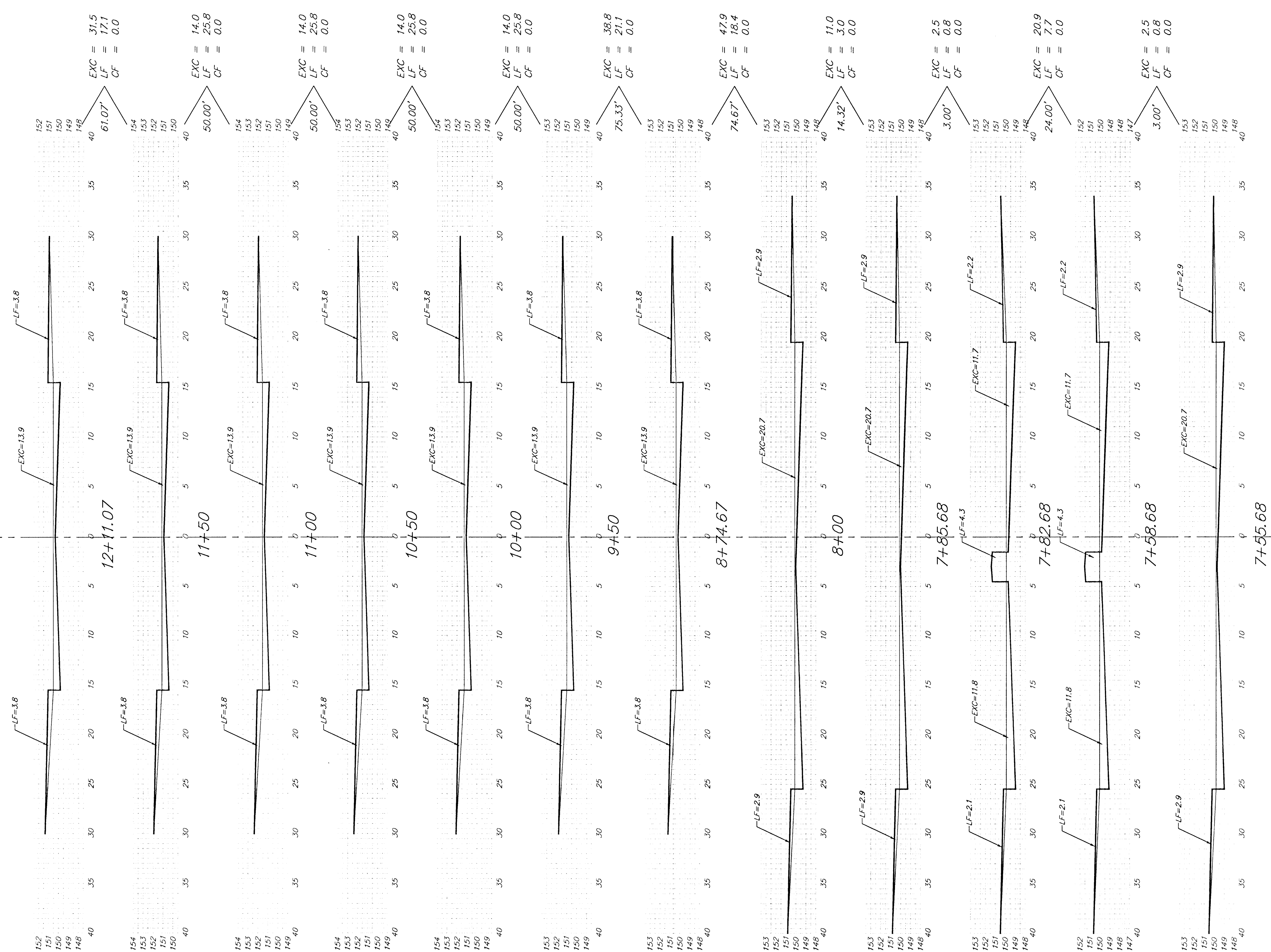
WHITEWOOD CIR

Excavation = 306.9
 Loose Fill = 145.5
 Compacted Fill = 0.0

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-63296

REV. SHEET
25
30



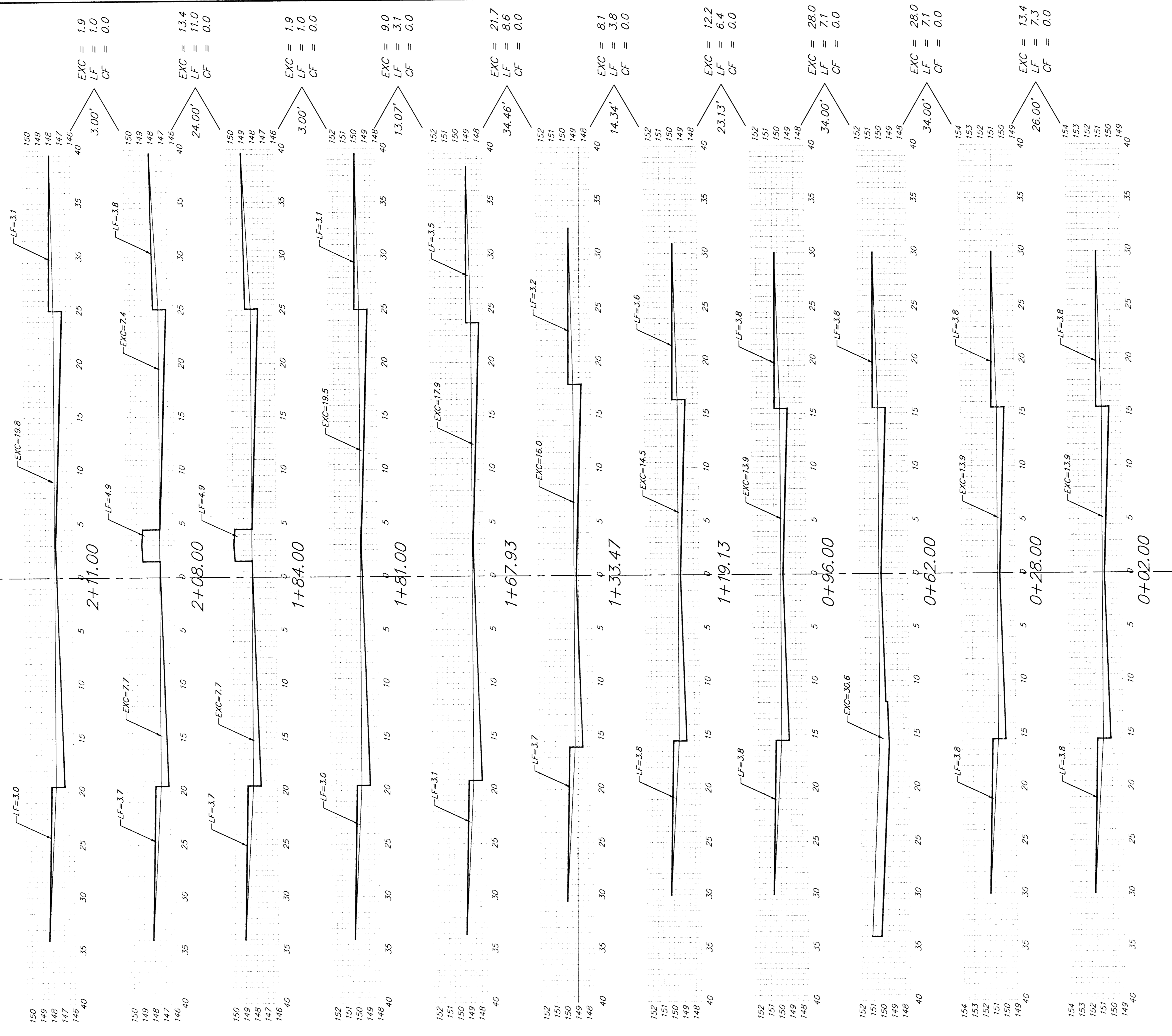
WHITEWOOD ST.

Excavation = 211.1
 Loose Fill = 172.1
 Compacted Fill = 0.0

ED BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83296

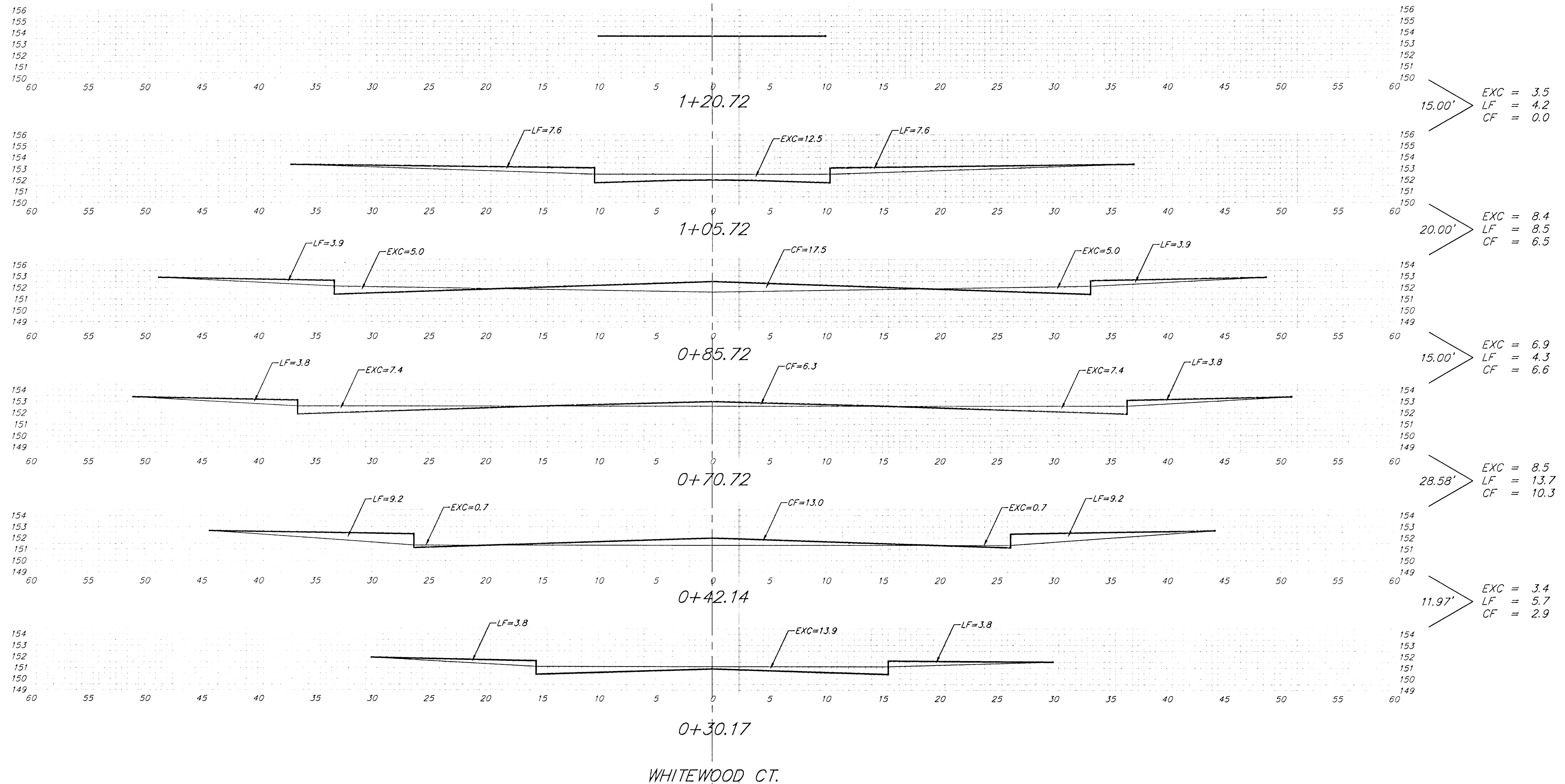
REV. SHEET
26
30



CASTLE ROCK

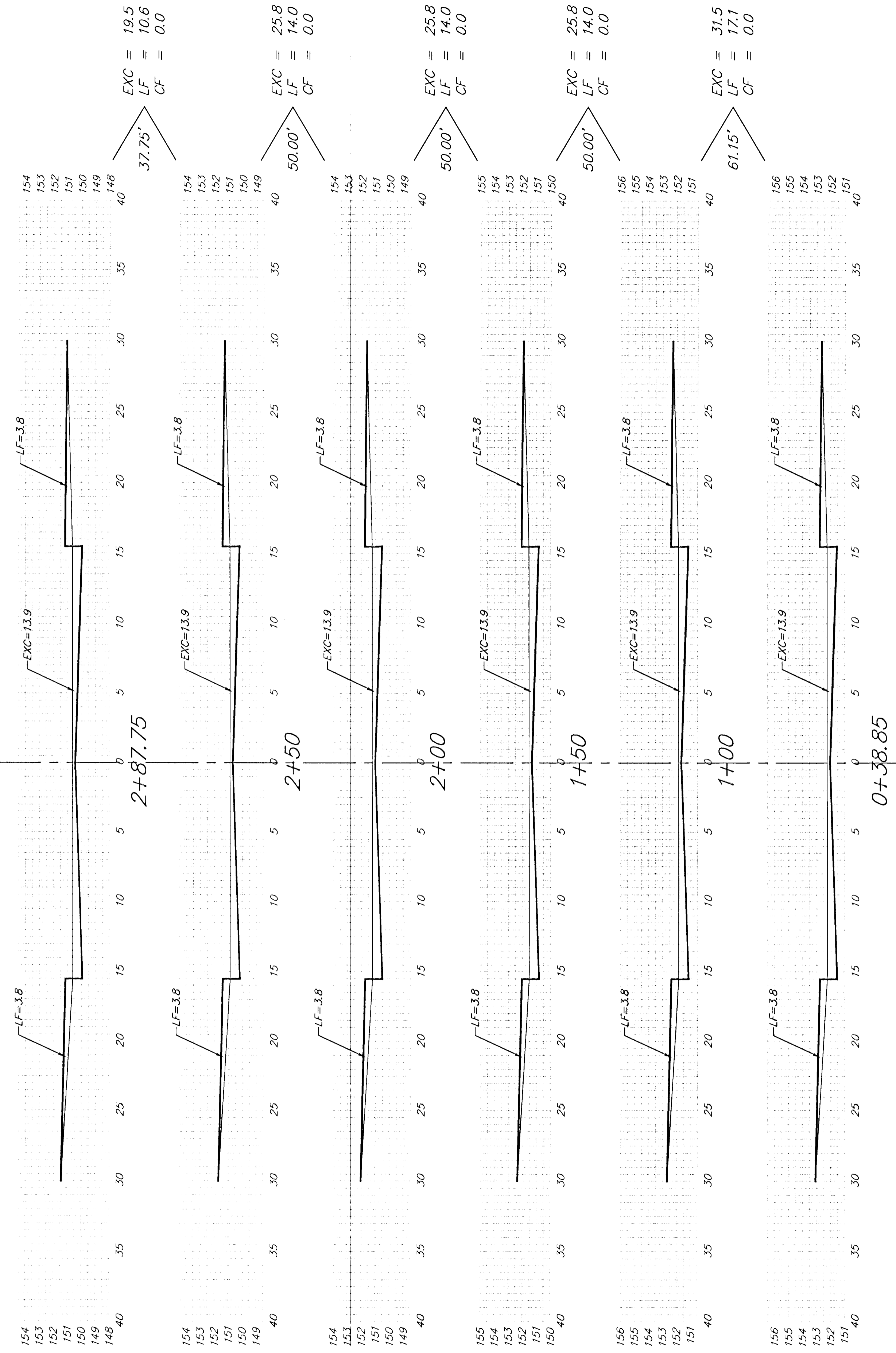
Excavation = 137.6
 Loose Fill = 56.4
 Compacted Fill = 0.0

	BAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, & PLANNING <small>318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211</small>	REV.
	PROJECT NUMBER 472-83288	SHEET 27 OF 30



Excavation = 30.7
 Loose Fill = 36.4
 Compacted Fill = 26.3

DBAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, & PLANNING <small>318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211</small>	REV.
	28
PROJECT NUMBER 472-83258	SHEET 30



HAWTHORNE ST.

Excavation = 128.4
 Loose Fill = 69.7
 Compacted Fill = 0.0

MD BAUGHMAN COMPANY P.A. ENGINEERING, SURVEYING, & PLANNING <small>316-262-7271 • 318 ELLIS • WICHITA, KANSAS 67211</small>	REV.
	SHEET 29 OF 30
PROJECT NUMBER 472-83298	

KS10

State of Kansas) SS We, Baughman Company, P.A., Surveyors in Sedgwick County and state do hereby certify that we have surveyed and platted "SHOAL CREEK ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as follows: All that portion of the NE1/4 of Sec. 23, Twp. 27-S, R-2-E of the 6th P.M., Sedgwick County, Kansas, lying south and east of the southerly right-of-way line of the Kansas Turnpike Authority as described in that certain condemnation action in District Court of Sedgwick County, Kansas, styled as Case No. A-54126, EXCEPT a tract of land in the NE1/4 of Sec. 23, Twp. 27-S, R-2-E of the 6th P.M., Sedgwick County, Kansas described as follows: Commencing at the NE corner of said NE1/4; thence on an assumed basis of bearing of S00°06'24"W along the east line of said NE1/4, 849.22 feet to the intersection of the southerly right-of-way line of Kansas Turnpike Authority Condemnation Case A-54126 and for a point of beginning; thence continuing S00°06'24"W along the east line of NE1/4, 1173.38 feet; thence N89°53'36"W perpendicular to the east line of said NE1/4, 754.19 feet; thence N36°59'27"W, 467.18 feet, more or less, to a point on the southerly right-of-way of Kansas Turnpike Authority Condemnation Case A-54126; thence northeasterly along said southerly right-of-way line, being a curve to the left, having a radius of 23068.31 feet, a distance of 1233.66 feet to the P.T. of said curve; thence N50°57'24"E, 73.17 feet to the point of beginning, subject to road right-of-way agreements on 143rd Street East (Film 876, Page 450), (Film 876, Page 448); Quit Claim Deed (Film 845, Page 1441), and Right-of-way Agreement recorded 8-12-59 (Misc. Book 447, Page 50).

Existing easements and dedications being vacated by virtue of K.S.A. 12-512(b).
Baughman Company, P.A.

Michael G. Conroy, Surveyor

Know all men by these presents that we, the undersigned, have caused the land in the surveyors certificate to be platted into Lots, Blocks, Streets, and Reserves to be known as "SHOAL CREEK ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The drainage and utility easements are hereby granted as indicated for drainage purposes and for the construction and maintenance of all public utilities. The drainage easements are hereby granted as indicated for drainage purposes. The wall easements are hereby granted as indicated for the construction and maintenance of private screening walls and utility main lines and service lines shall be allowed to cross these easements. Reserves "A", "C", "F", "G", "H", and "I" are hereby reserved for entry monuments, landscaping, streets, open space, and utilities. Reserve "B" is hereby reserved for drainage purposes, open space, landscaping, berms, and utilities as confined to easements. Any utilities installed in either Reserves "A" or "B" shall be installed below finished grade, and no utilities or related appurtenances shall be allowed to be installed above finished grade. Reserve "E" is hereby reserved for drainage purposes, lakes, open space, utilities as confined to easements, landscaping, berms, screening walls, recreational uses, sidewalks, and swimming pools. Reserve "D" is hereby reserved for emergency access, landscaping, street, open space, and utilities as confined to easements. Reserves "A", "B", "C", "D", "E", "F", "G", "H", and "I" shall be owned and maintained by the homeowners association for the addition. The streets are hereby dedicated to and for the use of the public. All abutters rights of access to or from 143rd St. East over and across the east line of Lots 6, 7, 8, 9, 10, 11, and 12, Block A, and Reserve "B", are hereby granted to the City of Wichita, Kansas. The Minimum Building Pad Elevations for the lowest opening to the structures shall be as indicated on the face of the plat.

Scott Land, L.L.C.
Jay W. Russell, Member

State of Kansas) SS The foregoing instrument acknowledged before me, this day of _____, by Jay W. Russell, Member of Scott Land, L.L.C., on behalf of the limited liability company.

My App'l. Exp. _____, Notary Public

We the undersigned holders of a mortgage on the above described property, do hereby consent to this plat of "SHOAL CREEK ADDITION", Wichita, Sedgwick County, Kansas.
State Bank of Kingman

State of Kansas) SS The foregoing instrument acknowledged before me, this day of _____, by _____ of State Bank of Kingman, on behalf of the bank.

My App'l. Exp. _____, Notary Public

SHOAL CREEK ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

This plat of "SHOAL CREEK ADDITION", Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.
Dated this _____ day of _____, 2005
Wichita-Sedgwick County Metropolitan Area Planning Commission

Christopher S. Carrater, Chairman
Marvin S. Krout, Secretary

This plat approved and all dedications shown hereon, accepted by the City Council of the City of Wichita, Kansas, and consent is hereby given for the formation of sanitary sewer districts within the boundary of this plat by the Board of Sedgwick County Commissioners as they deem necessary to provide sanitary sewer service to this area, this _____ day of _____.

Bob Knight, Mayor
Pat Burnett, City Clerk

Reviewed in accordance with K.S.A. 58-2005 on this _____ day of _____.

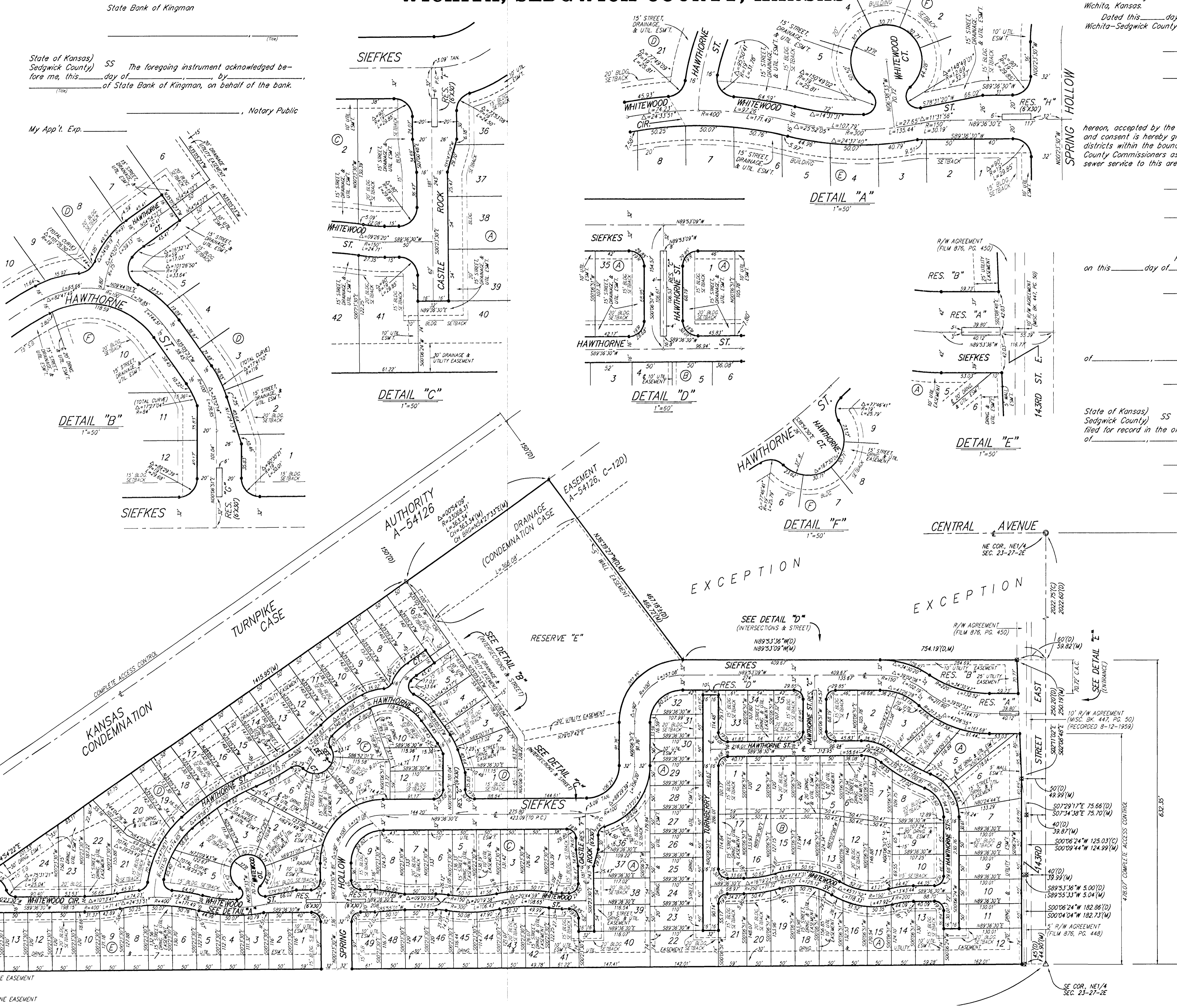
Tricia L. Robello, L.S. #1246
Deputy County Surveyor
Sedgwick County, Kansas

Entered on transfer record this _____ day of _____.

James Alford, County Clerk

State of Kansas) SS This is to certify that this plat has been filed for record in the office of the Register of Deeds, this _____ day of _____, at _____ o'clock _____ M., and is duly recorded.

Bill Meek, Register of Deeds
Linda Kizzire, Deputy

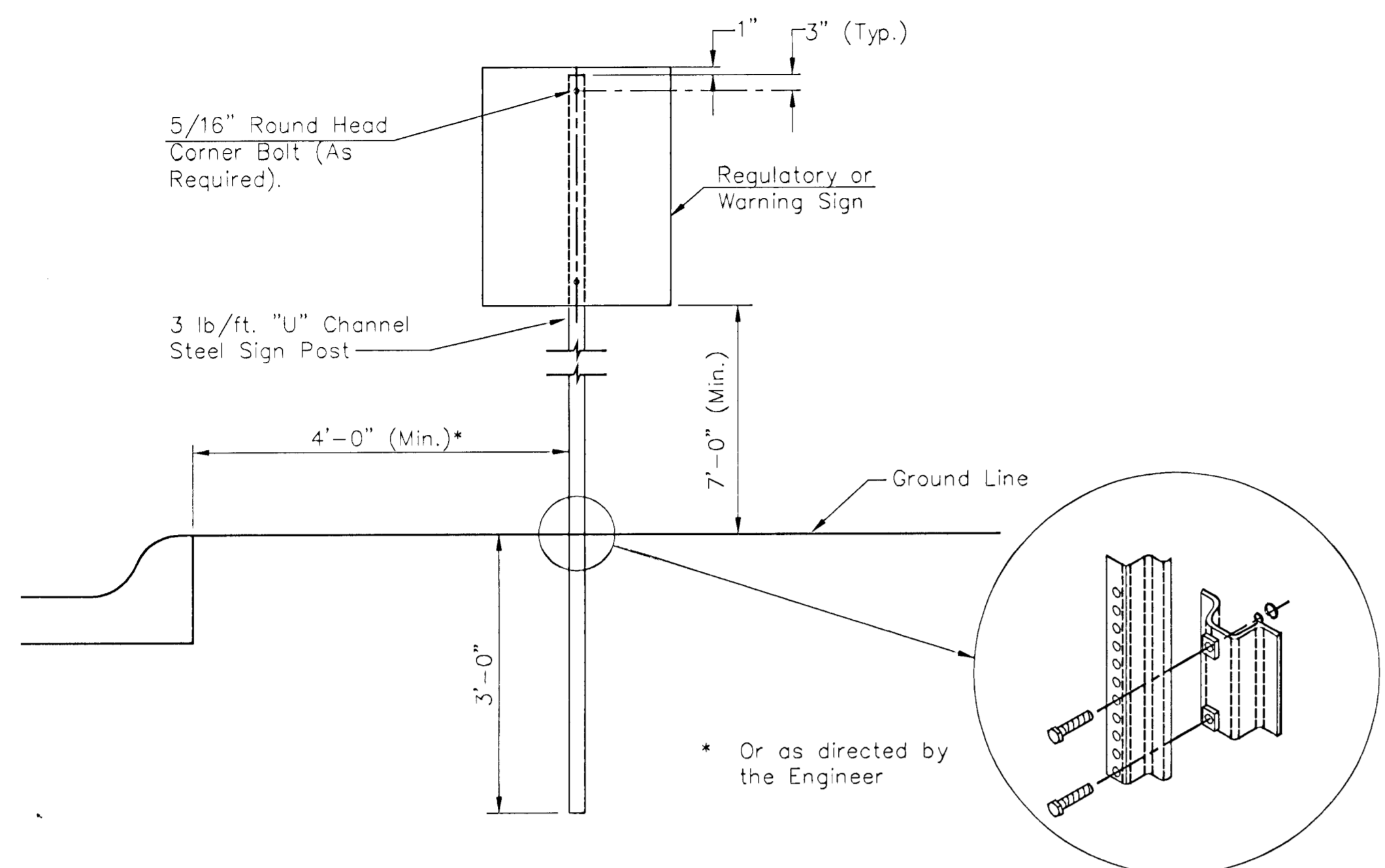


- #4 REBAR W/ "BAUGHMAN" CAP (SET)
- #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
- #6 REBAR IN THIMBLE (FOUND)
- #4 REBAR W/ "PEC" CAP (FOUND)
- △ #6 REBAR W/ "LS 1126" CAP (FOUND)
- (M) = MEASURED
- (D) = DESCRIBED

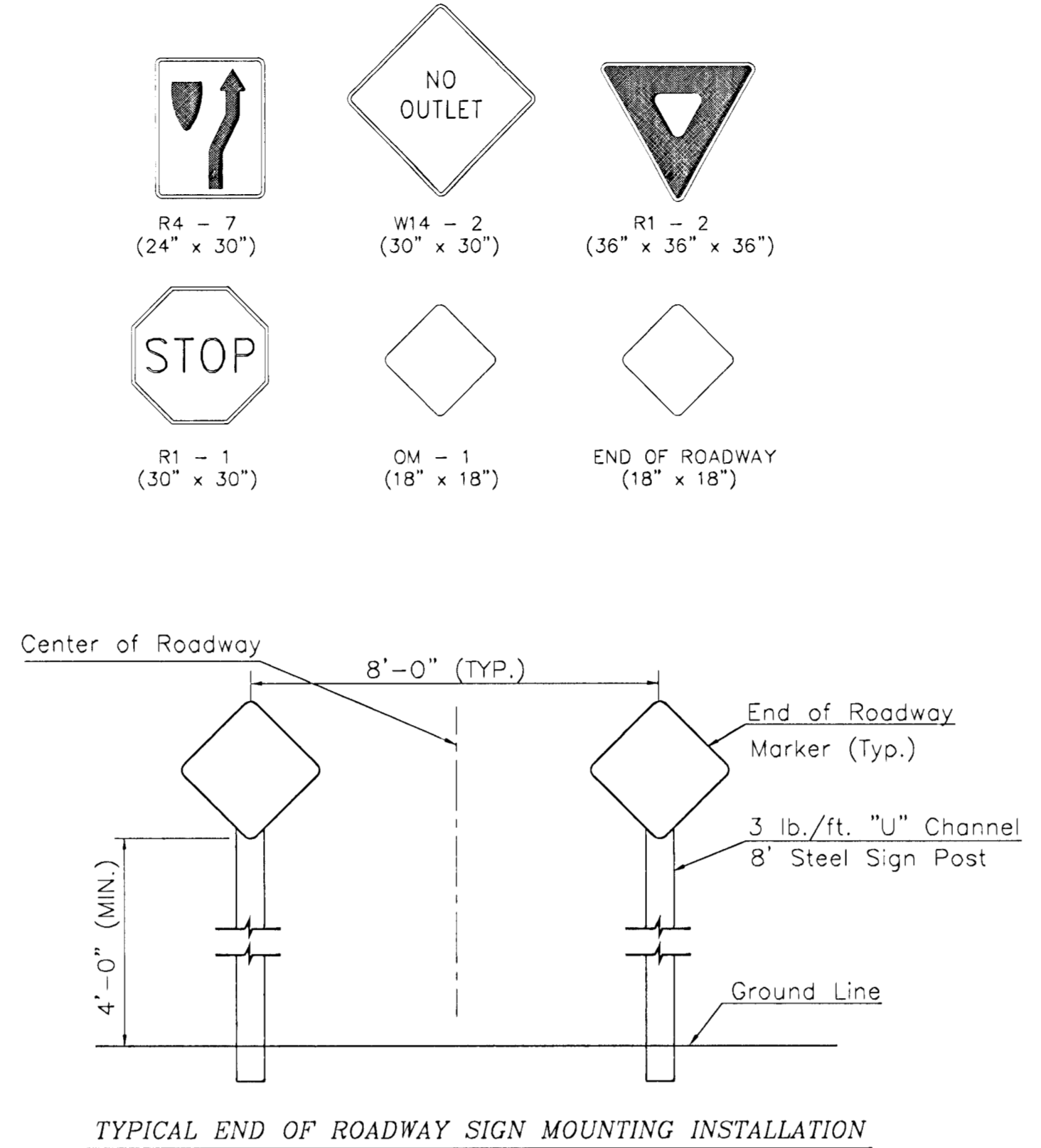
MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES			
LOTS	BLOCK	CITY DATUM	NGVD
1,2,3,4,5,6	D	141.6	1329.0

BENCHMARK: "C" CUT ON TOP OF CURB, NORTH SIDE SIEFKES, NW OF CENTER LINE OF SIEFKES ST., SHADYBROOK MEADOW ADDITION. ELEV = 135.19 CITY DATUM (1322.59 NGVD)

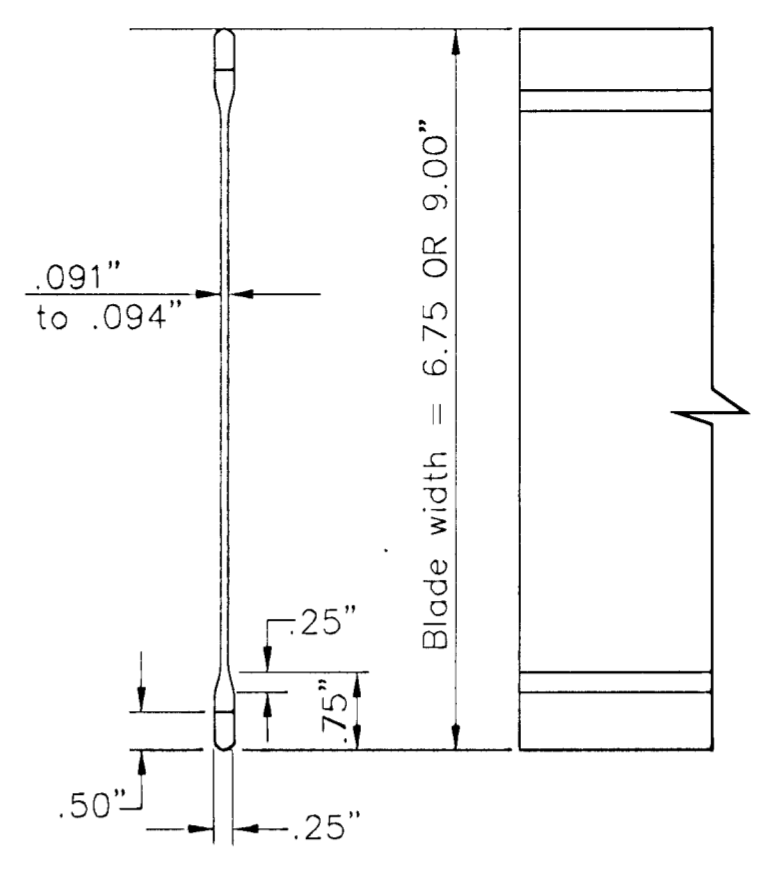
NOTE: A MASTER GRADING PLAN FOR DRAINAGE HAS BEEN DEVELOPED FOR THIS SUBDIVISION AND IS ON FILE WITH THE CITY OF WICHITA, KANSAS. ALL DRAINAGE EASEMENTS, RIGHTS-OF-WAY, OR RESERVES SHALL REMAIN AT ESTABLISHED GRADES OR AS MODIFIED WITH THE APPROVAL OF THE CITY ENGINEER OF THE CITY OF WICHITA, KANSAS. NO OBSTRUCTIONS WHICH IMPURE THE FLOW OF THIS DRAINAGE SYSTEM SHALL BE ALLOWED.



TYPICAL TRAFFIC CONTROL SIGN MOUNTING INSTALLATION
CURB AND GUTTER SECTION



TYPICAL END OF ROADWAY SIGN MOUNTING INSTALLATION



STREET NAME SIGN
BLADE DETAILS

STREET	STATION	OFFSET	SIGN	QUANTITY*
Spring Hollow	0+03	4' Lt./Rt.	EOR	2
Spring Hollow	1+73	23' Lt.	D3 (SNS)	1
Spring Hollow	3+33	22' Lt.	D3 (SNS)	1
Siefkes	7+62	23' Rt.	D3 (SNS)	1
Siefkes	18+84	1' Lt.	R4-7,OM-1	1
Siefkes	19+13	1' Lt.	R4-7,OM-1	1
Siefkes	19+18	32' Lt.	D3 (SNS)	1
Siefkes	19+18	32' Rt.	R1-1 (Stop)	1
Whitewood	3+70	22' Lt.	D3 (SNS)	1
Whitewood	5+74	23' Lt.	D3 (SNS)	1
Whitewood	6+65	3' Lt.	R4-7,OM-1	1
Whitewood	6+89	3' Lt.	R4-7,OM-1	1
Whitewood	7+59	3' Lt.	R4-7,OM-1	1
Whitewood	7+83	3' Lt.	R4-7,OM-1	1
Whitewood	12+20	22' Lt.	D3 (SNS)	1
Castle Rock	1+84	3' Rt.	R4-7,OM-1	1
Castle Rock	2+08	3' Rt.	R4-7,OM-1	1
Hawthorne	2+88	4' Lt./Rt.	EOR	2
TOTAL				20

* For Information Only

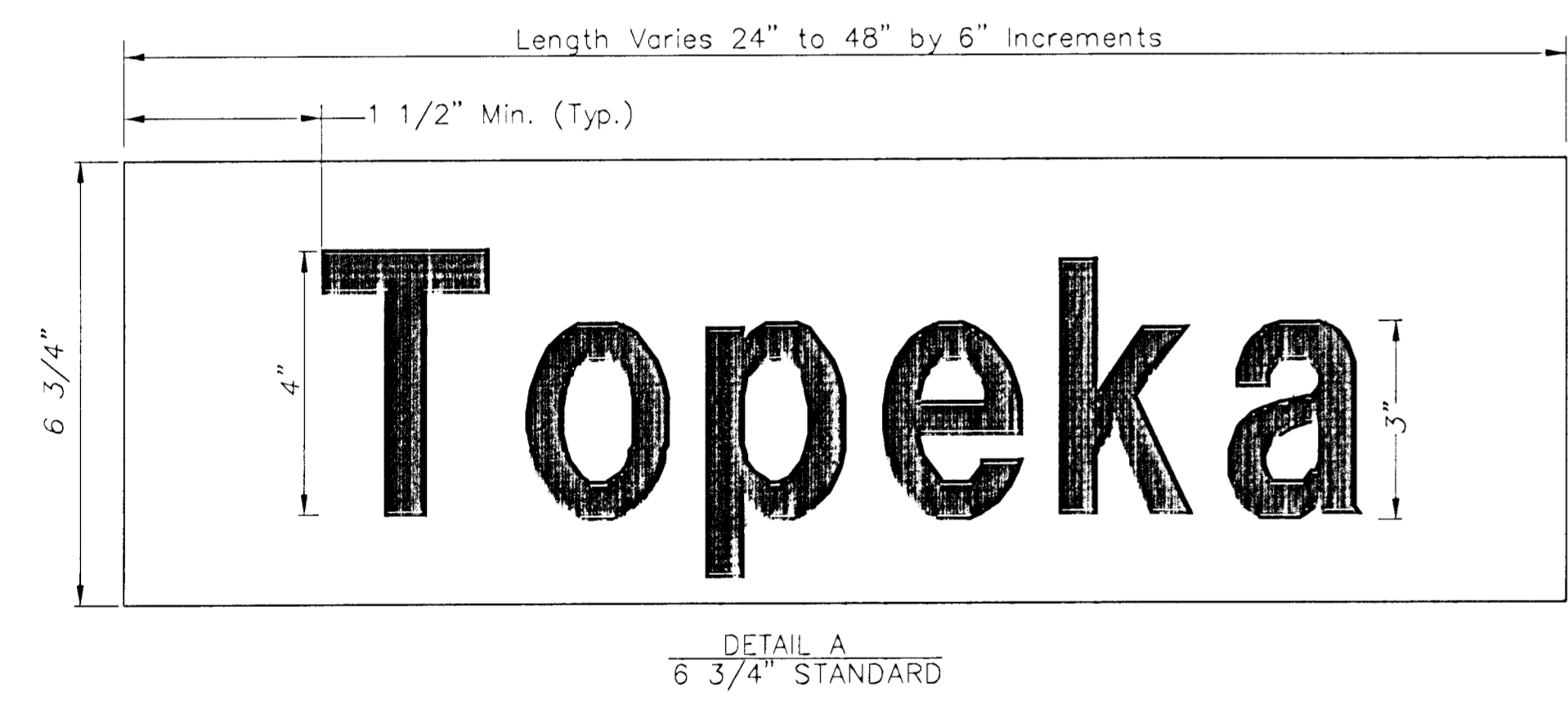
NOTE: REFERENCES BELOW TO "STANDARD SPECIFICATIONS" DENOTE "STANDARD SPECIFICATION FOR STATE ROAD AND BRIDGE CONSTRUCTION EDITION 1990" BY THE KANSAS DEPARTMENT OF TRANSPORTATION.

- POST ANCHORS: POSTS SHALL BE ANCHORED WITH A YIELDING BASE POST SUPPORT AS DETAILED.
- POSTS FOR TRAFFIC CONTROL SIGNS: POSTS SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1620 OF THE STANDARD SPECIFICATIONS EXCEPT THAT ALL POSTS SHALL WEIGH 3 LBS./FOOT MINIMUM.
- POSTS FOR STREET NAME SIGNS (SNS): POSTS SHALL BE 9 FEET LONG, CONSTRUCTED FROM 2 3/8" O.D. GALVANIZED STEEL PIPE WEIGHING A MINIMUM OF 3 LBS./FOOT. POSTS SHALL BE POSITIONED SO THAT THE BOTTOM BLADE IS 7 FEET ABOVE GRADE.
- POSTS FOR END OF ROADWAY SIGN TO BE 8' LONG AND INSTALLED A MINIMUM OF 4' FROM ROADWAY TO BOTTOM OF SIGN.
- SIGN BLANKS FOR TRAFFIC CONTROL SIGNS: SIGN BLANKS SHALL BE FABRICATED FROM 0.080" ALUMINUM ALLOY 6063-T6 CONFORMING TO THE REQUIREMENTS OF SUBSECTION 1626 OF THE STANDARD SPECIFICATIONS.
- SIGN BLADES FOR STREET NAME SIGNS: EXTRUDED ALUMINUM BLADES SHALL BE ALUMINUM ALLOY CONFORMING TO 6063-T6 OR 5052-H38 (ASTM SPECIFICATION B221, LATEST ISSUE). BLADES SHALL HAVE AN ALODINE OR PHOSPHATE ETCHED FINISH. BLADES SHALL HAVE SQUARE CORNERS AND NO HOLES.
- MOUNTING BRACKETS FOR SIGNS: DIE-CAST ALUMINUM BRACKETS SHALL BE ALUMINUM ALLOY 360 HAVING A TENSILE STRENGTH OF 44,000 PSI. THE BRACKETS SHALL BE SMOOTHLY FINISHED FREE OF PITS, BURRS, AND FLAWS. EACH BRACKET SHALL BE TAPPED AND DRILLED FOR 5/16" ZINC-PLATED ALLEN-TYPE SET SCREWS HAVING SELF-LOCKING SAW-TOOTH ENDS.
- FASTENERS: ALL STEEL FASTENERS FOR TRAFFIC CONTROL SIGNS SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1614 OF THE STANDARD SPECIFICATIONS.
- REFLECTIVE SHEETING: REFLECTIVE SHEETING SHALL BE TYPE II - HIGH PERFORMANCE CLASS HA IN ACCORDANCE WITH SUBSECTION 2201 OF THE STANDARD SPECIFICATIONS.
- PROCESS INK: ALL PROCESS INK SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 2202 OF THE STANDARD SPECIFICATIONS.
- DETAILS: REGULATORY AND WARNING SIGNS SHALL CONFORM TO THE DETAILS IN "STANDARD HIGHWAY SIGNS", FHWA, 1979.
- DETAILS - SNS: THE REFLECTIVE SHEETING FOR THE 6 3/4" STANDARD SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVER-WHITE #2 COPY WITH 4" UPPER CASE AND LOWER CASE PRIMARY COPY AND SUFFIX COPY. BOTH SERIES "C". THE CARDINAL DIRECTION CENTERED DIRECTLY BELOW THE BLOCK NUMBER SHALL BE AN UPPER CASE, 3" SERIES "C" LETTER. FACES TO TRIM TO A 6 1/4" WIDTH. (SEE DETAIL B.)

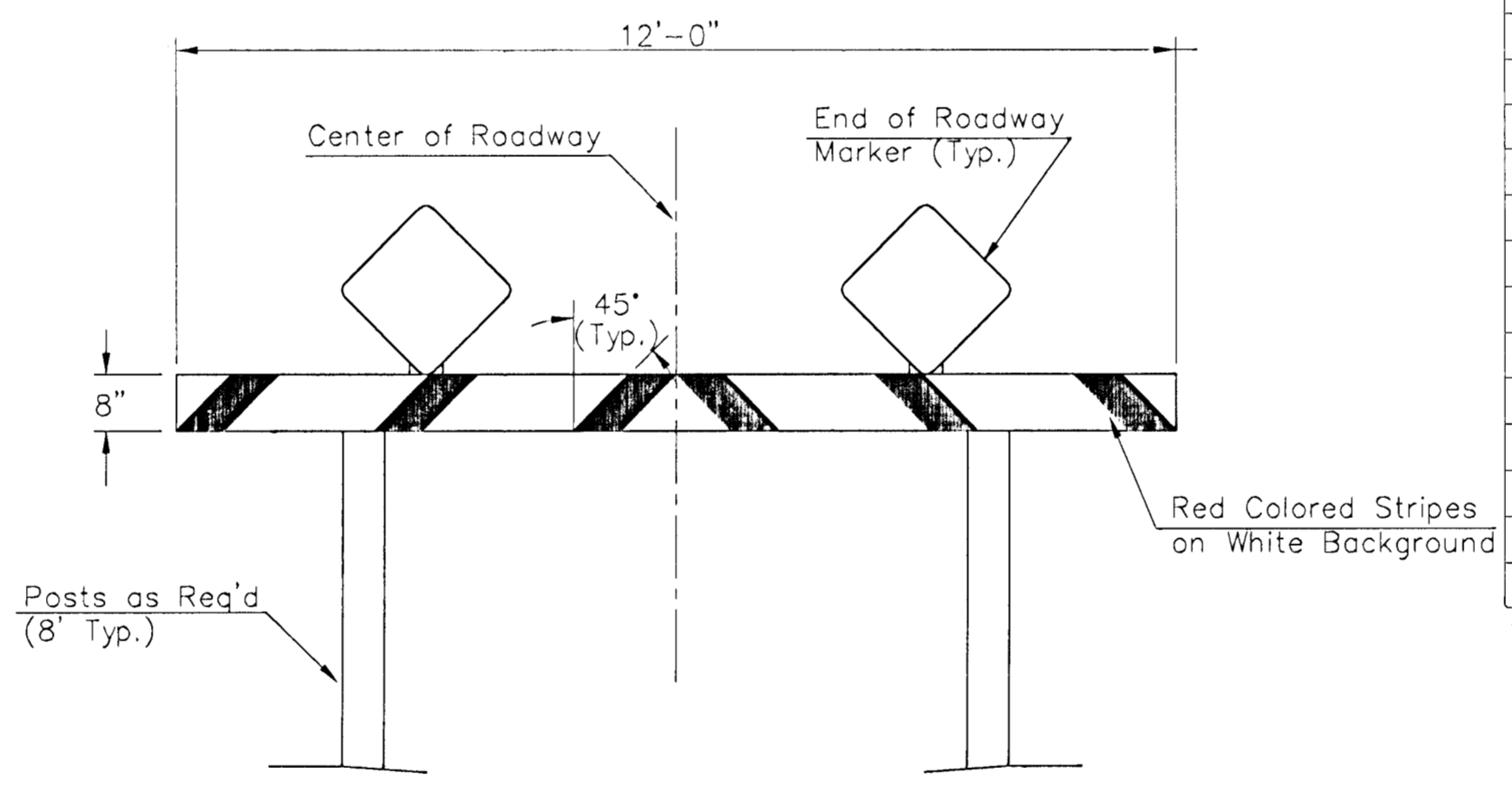
FOR CUL-DE-SAC STREETS, A 9" METRO SIZE BLADE SHALL BE USED WITH THE HOUSE NUMBERS DISPLAYED BENEATH THE STREET NAME. LETTERING TO BE THE SAME AS FOR THE 6 3/4" SIZE BLADE, EXCEPT THAT THE HOUSE NUMBER INFORMATION SHALL BE 4" SERIES "C".

SHOP DRAWINGS OF LAYOUT FOR SNS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEERING DIVISION OF THE CITY OF WICHITA FOR APPROVAL PRIOR TO FABRICATION. THE FINISHED SIGNS AS SUPPLIED SHALL BE OF GOOD APPEARANCE, FREE FROM RAGGED EDGES, CRACKS SCALES OR BUSTERS AND SHALL BE CLEAN-CUT. SIGNS SHALL BE PACKED IN SUCH MANNER AS TO PREVENT DAMAGE OR DEFACEMENT DURING SHIPMENT OR STORAGE.

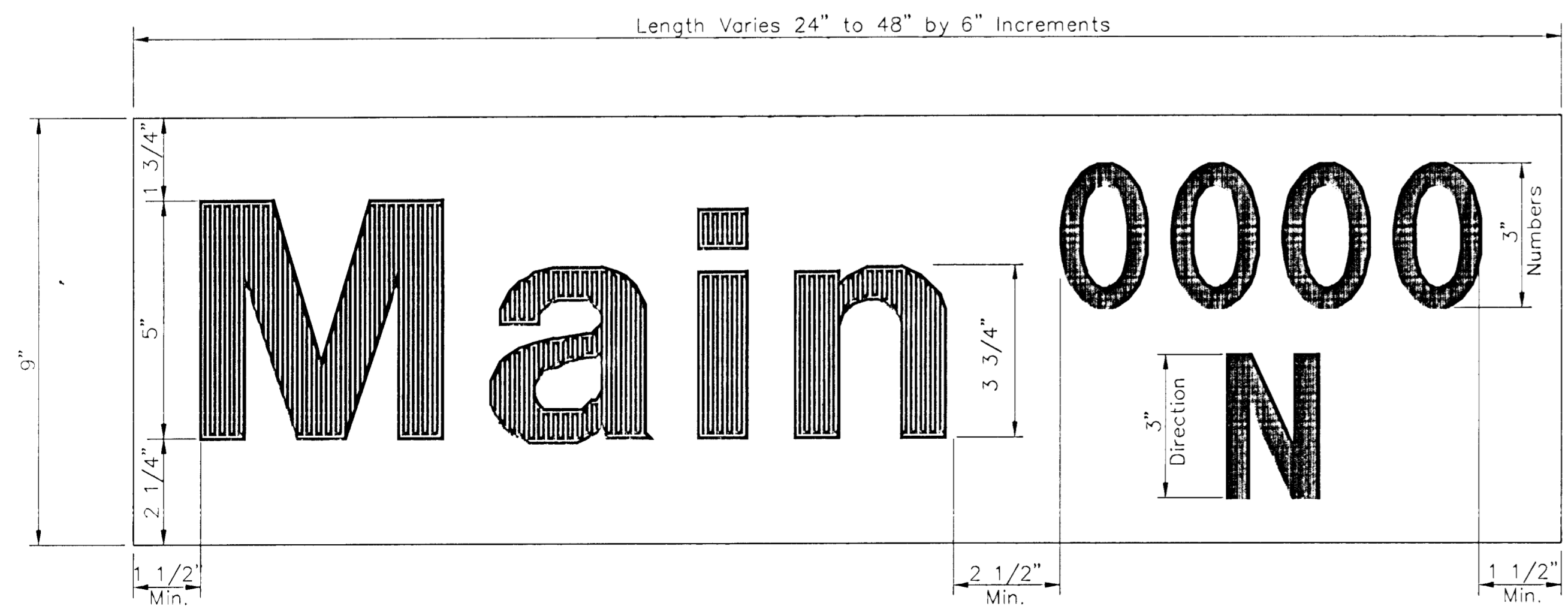
- PERMANENT TRAFFIC CONTROL AND SNS: PERMANENT TRAFFIC CONTROL AND SNS SHALL BE MEASURED AND PAID FOR AT THE LUMP SUM PRICE FOR SIGNING. THE PAYMENT AS SET FORTH ABOVE SHALL BE CONSIDERED FULL COMPENSATION FOR ALL EXCAVATION, BACKFILLING, POSTS, ANCHORS, FASTENERS, MATERIALS, LABOR, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.



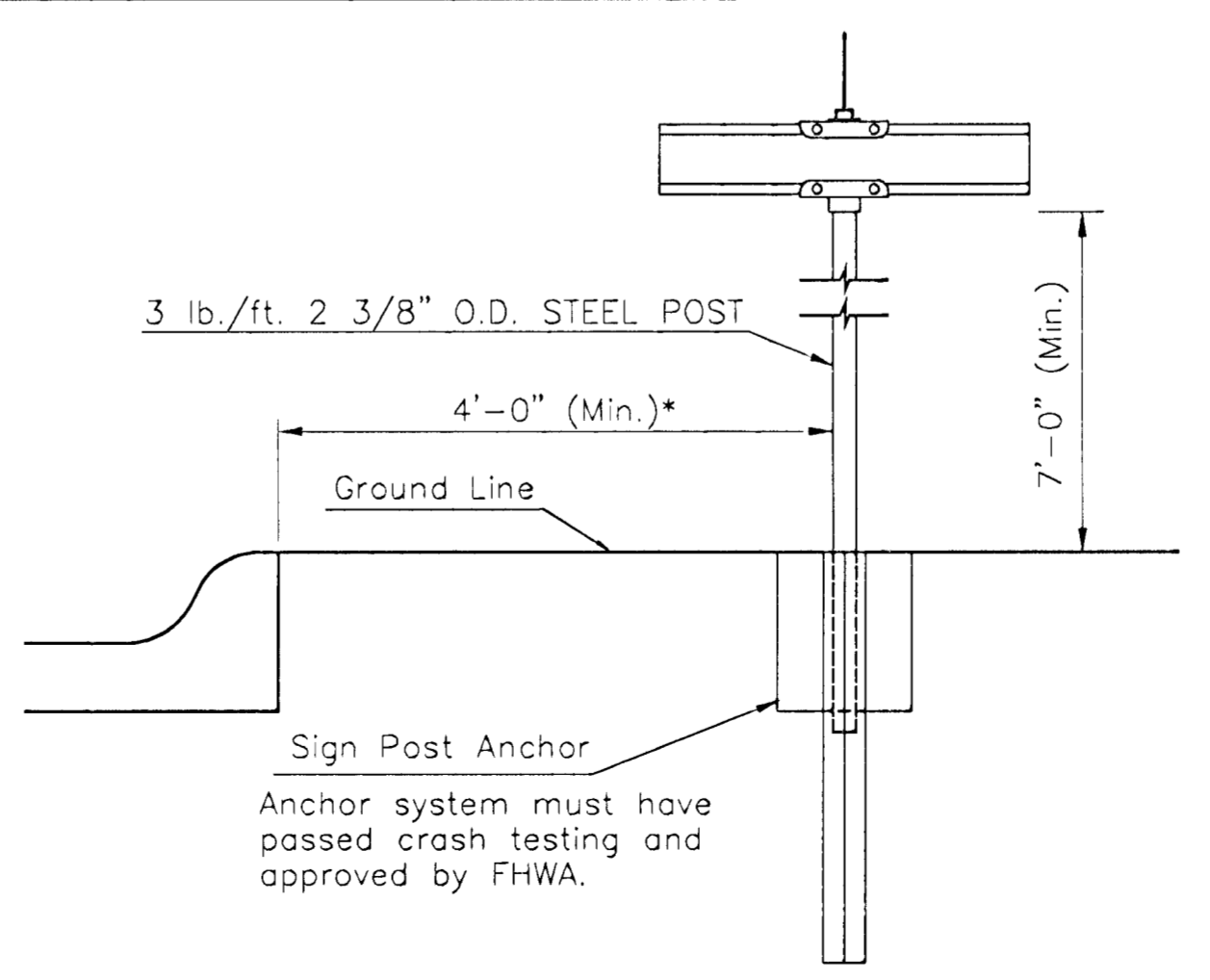
DETAIL A
6 3/4" STANDARD



TYPE I BARRICADE DETAIL W/ E.O.R. MARKER



DETAIL B
9" METRO



TYPICAL STREET NAME SIGN MOUNTING INSTALLATION
CURB AND GUTTER SECTION

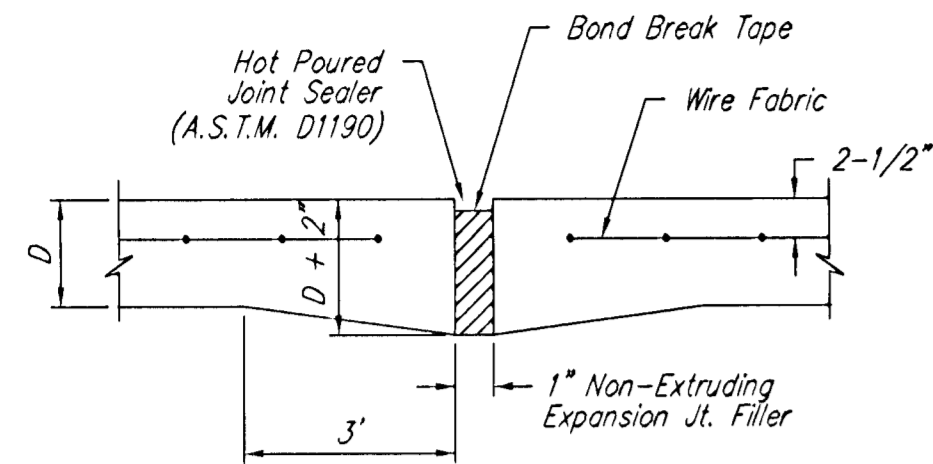
STREET NAME	NO. BLADES REQ'D	
	6 3/4" STD	9" METRO
Spring Hollow	2	
Siefkes	2	
Castle Rock	2	
Siefkes 14300 E		1
143rd St 100 N		1
Hawthorne	1	
Whitewood	4	
Whitewood Ct	1	

City of Wichita Public Works
SIGNING DETAIL

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

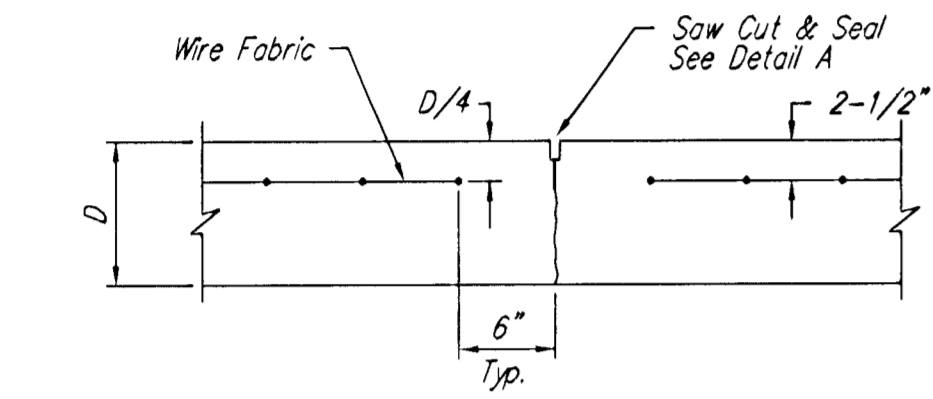
PROJECT NUMBER
472-03293

DESIGN: C.O.W. DRAWN: Staff APPROVED: DATE: 02-01 SCALE: NONE SHEET: **4** OF **30**

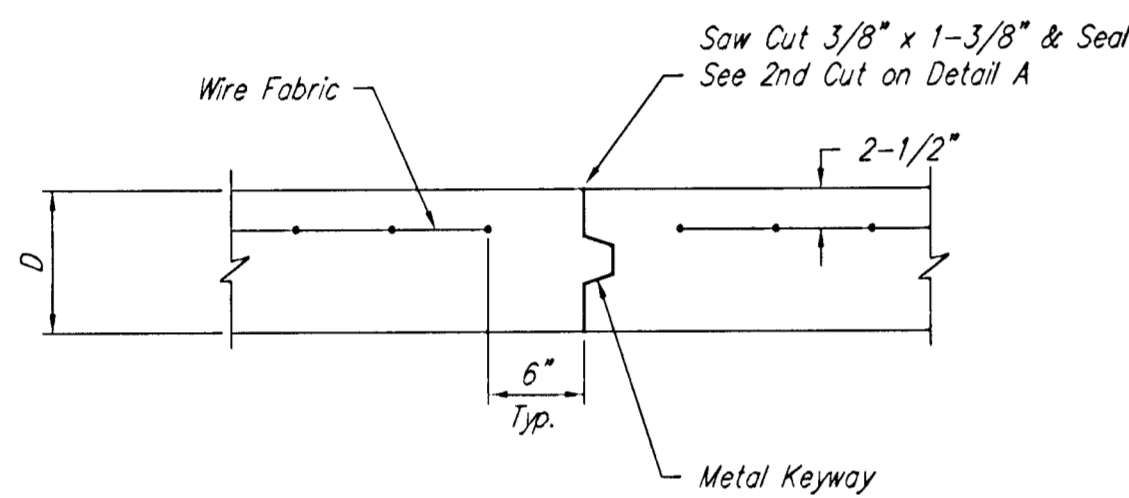


EXPANSION JOINT

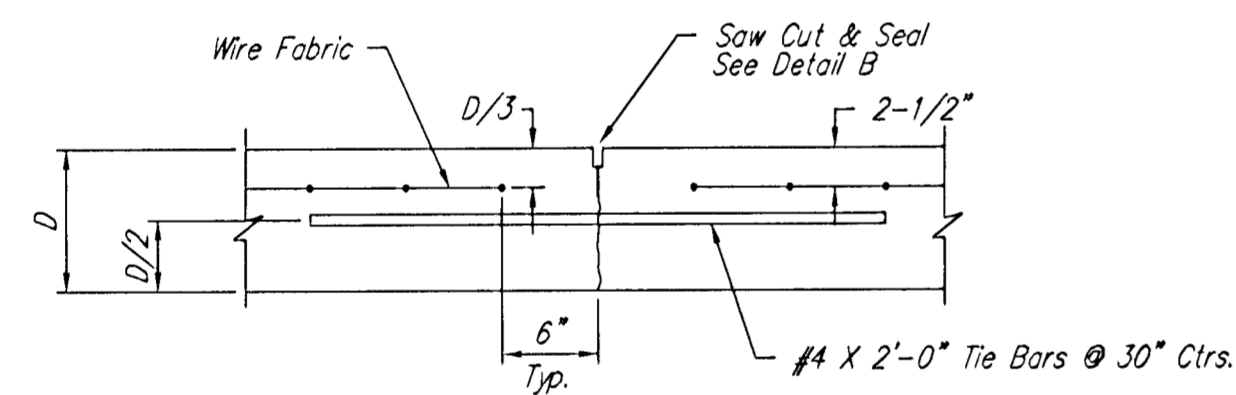
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



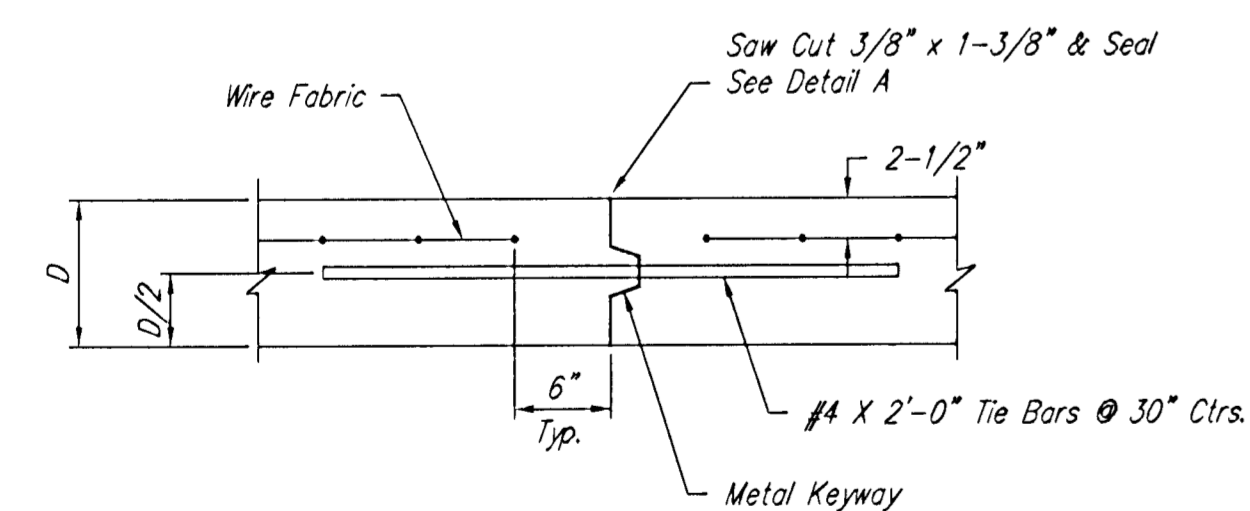
CONTRACTION JOINT DETAIL (C.J.)



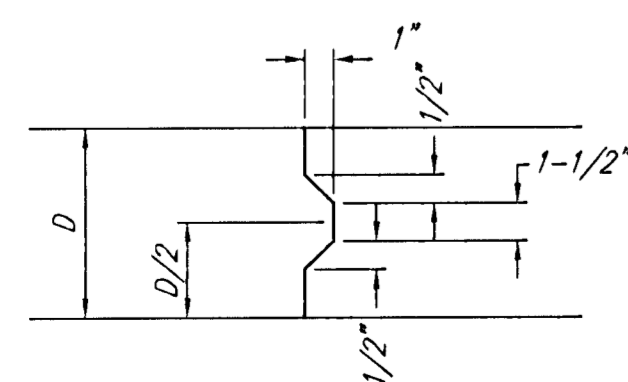
OPTIONAL CONTRACTION JOINT (CONSTRUCTION JOINT)



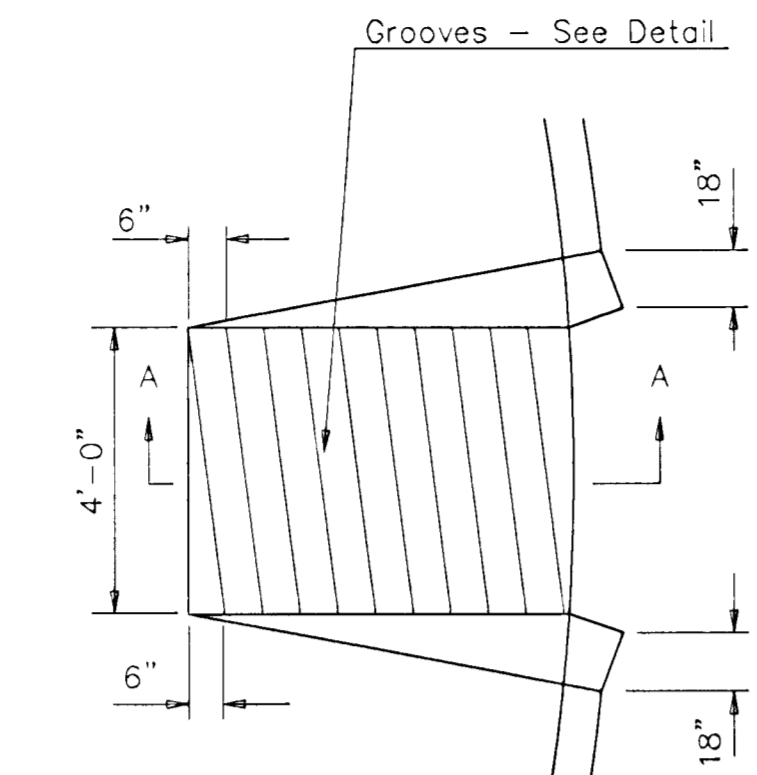
LONGITUDINAL JOINT DETAIL (L.J.)



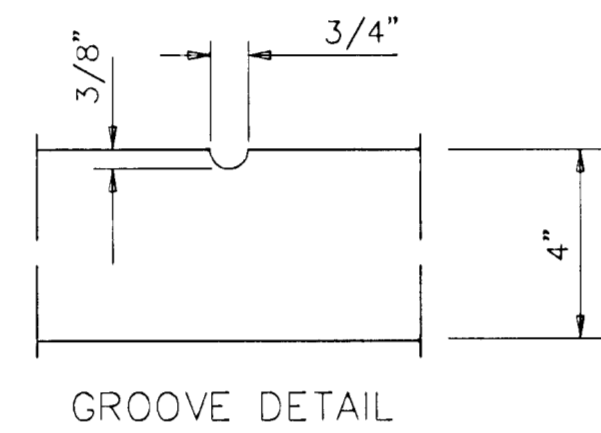
OPTIONAL LONGITUDINAL JOINT DETAIL (L.J.) (CONSTRUCTION JOINT)



KEYWAY DETAIL

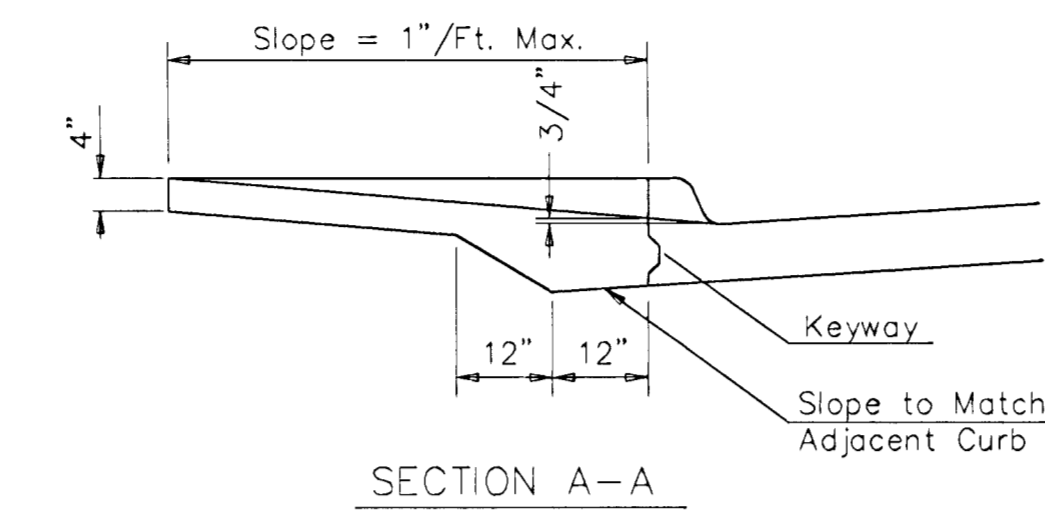


WHEELCHAIR RAMP PLAN VIEW

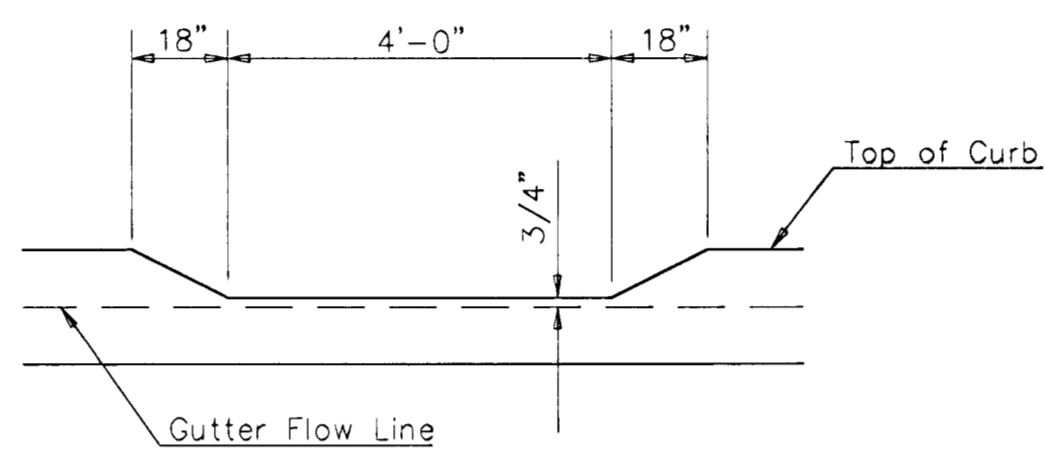


GROOVE DETAIL

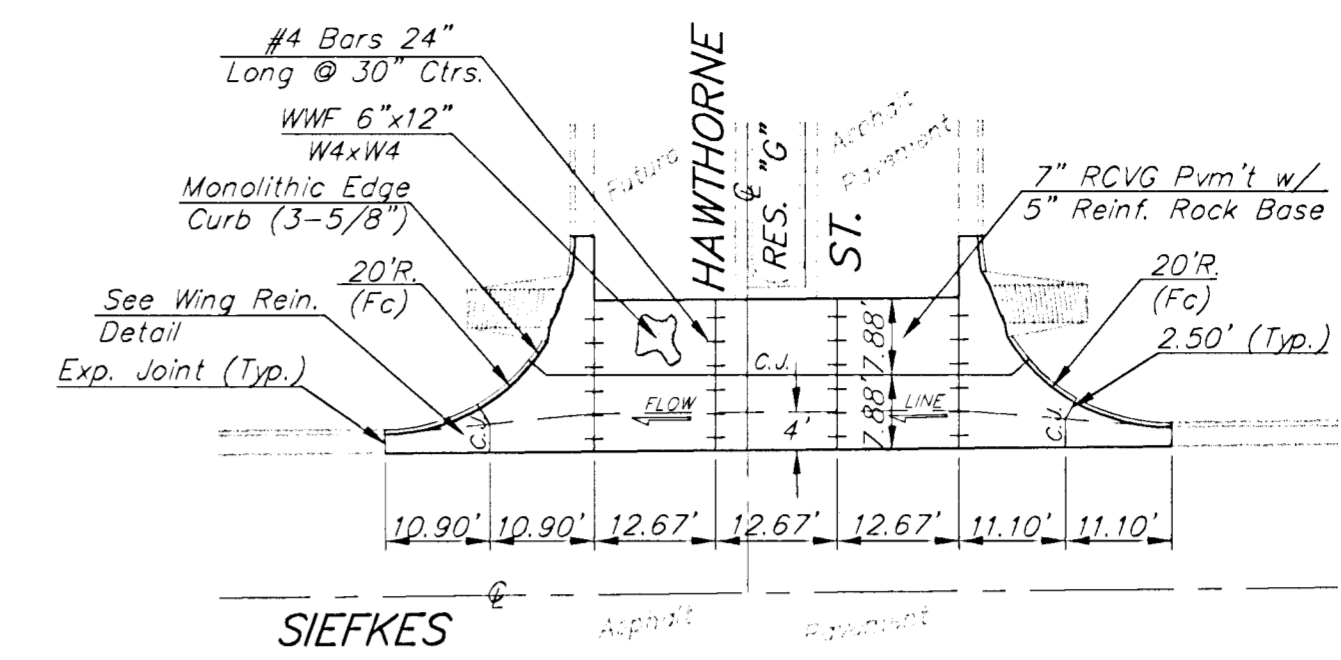
WHEELCHAIR RAMP DETAIL



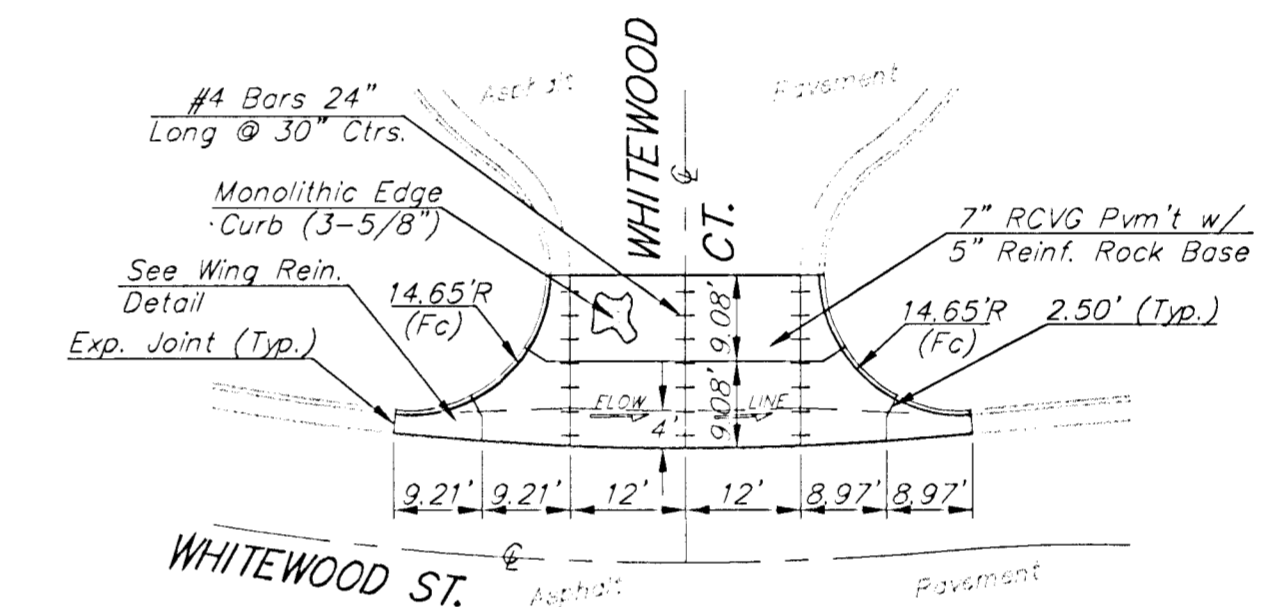
SECTION A-A



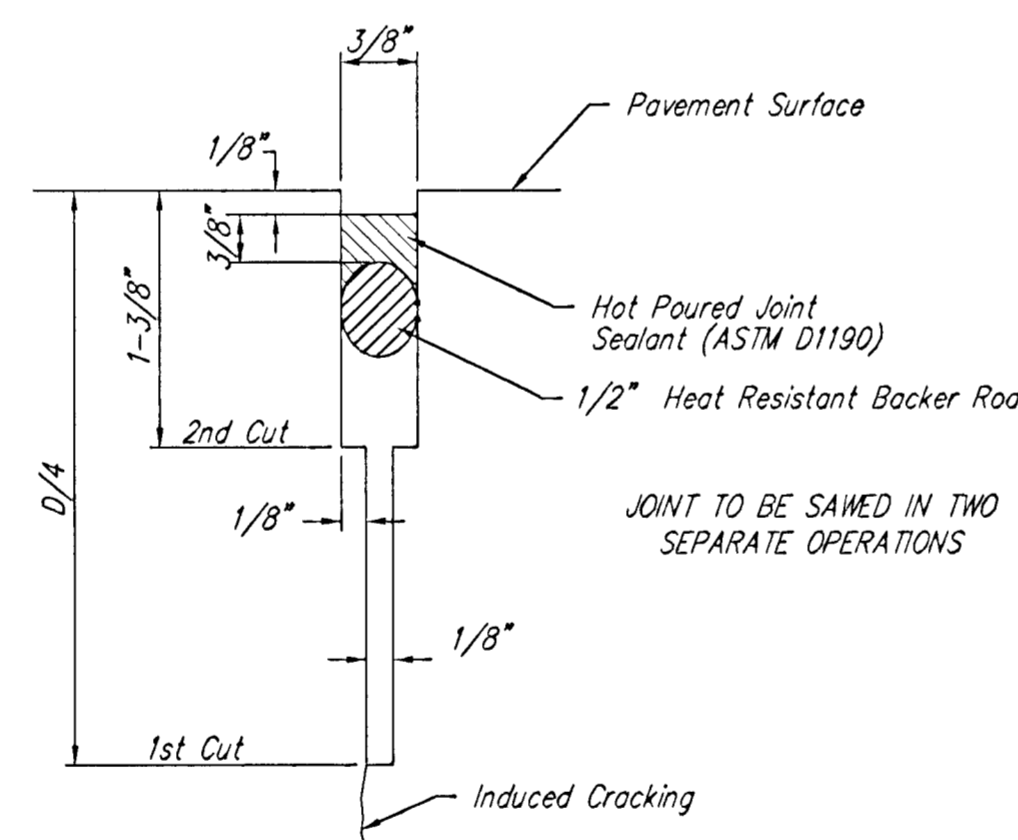
DEPRESSED CURB DETAIL



SCALE: 1" = 20'

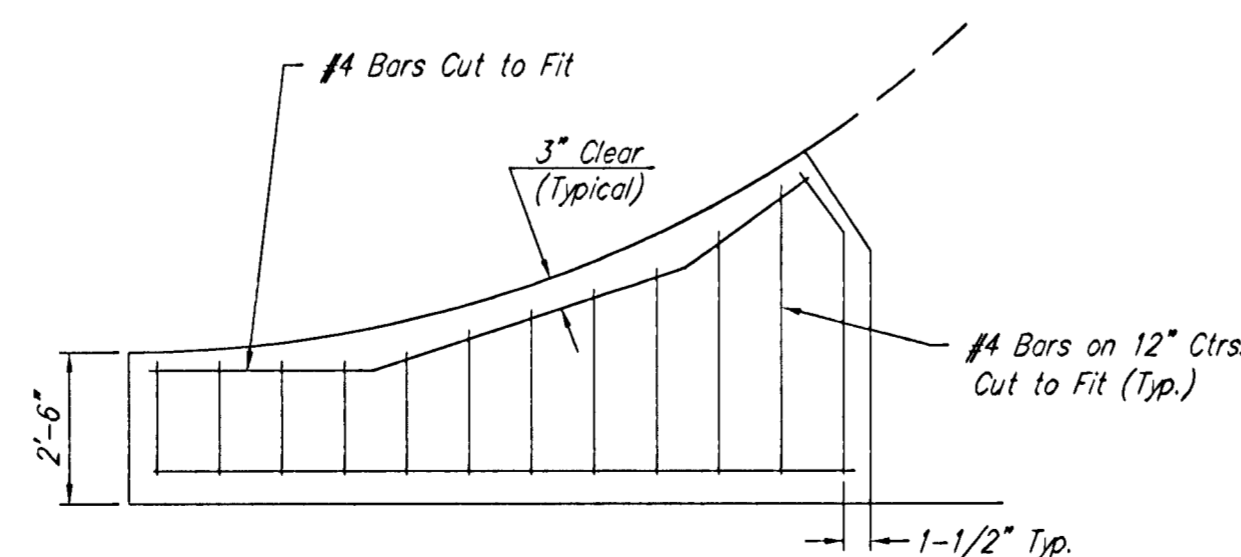


SCALE: 1" = 20'

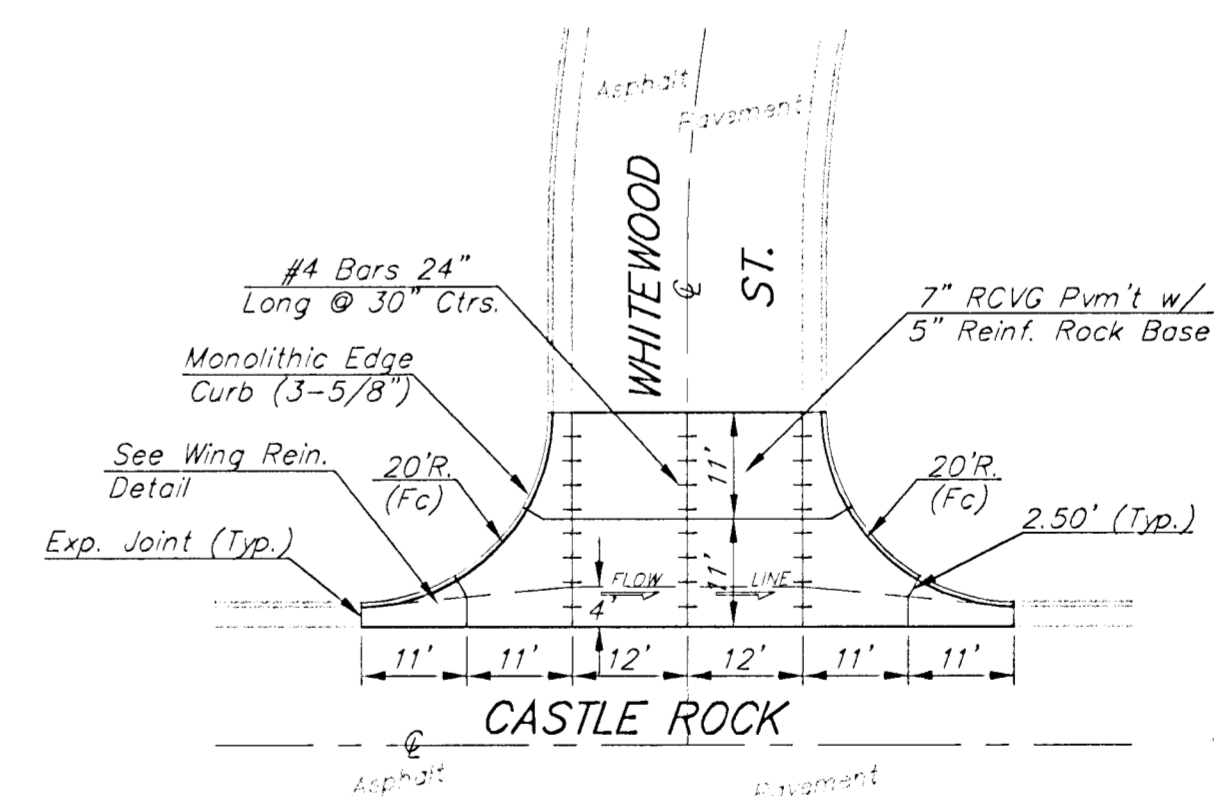


JOINT TO BE SAWED IN TWO SEPARATE OPERATIONS

SAW JOINT DETAIL "A"



WING REINFORCING DETAIL



SCALE: 1" = 20'

VALLEY GUTTER DETAILS

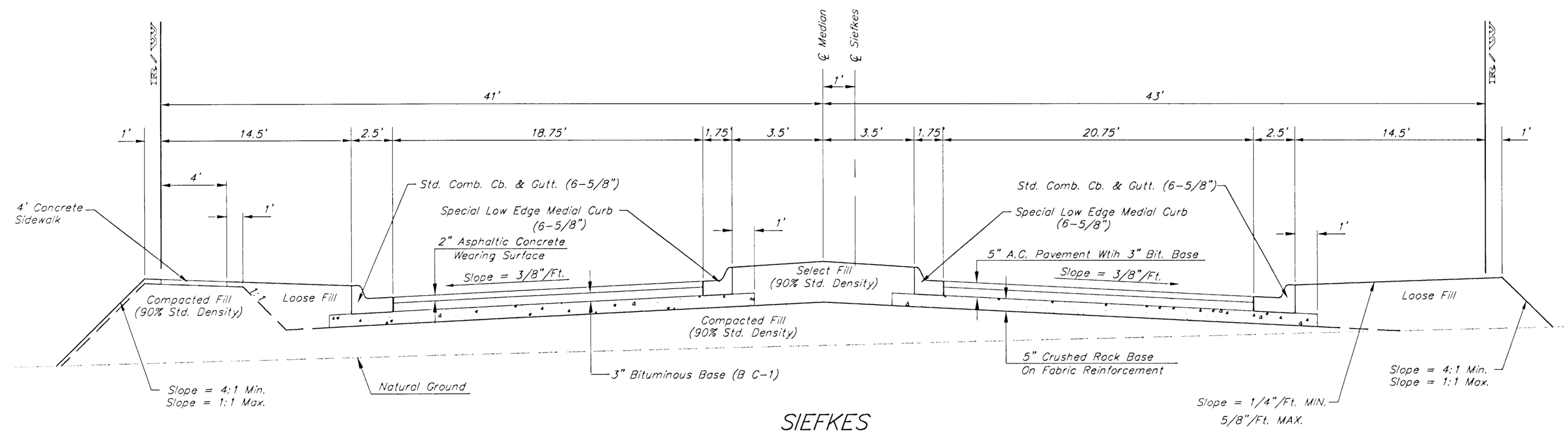
NOTE: 6"x12" W4xW4 Wire Fabric Reinforcing Shall Be Placed So That The Wires With The 6" Spacing Will Run Parallel With The Longitudinal Joints.

SHOAL CREEK ADDITION
VALLEY GUTTER & MISCELLANEOUS DETAILS

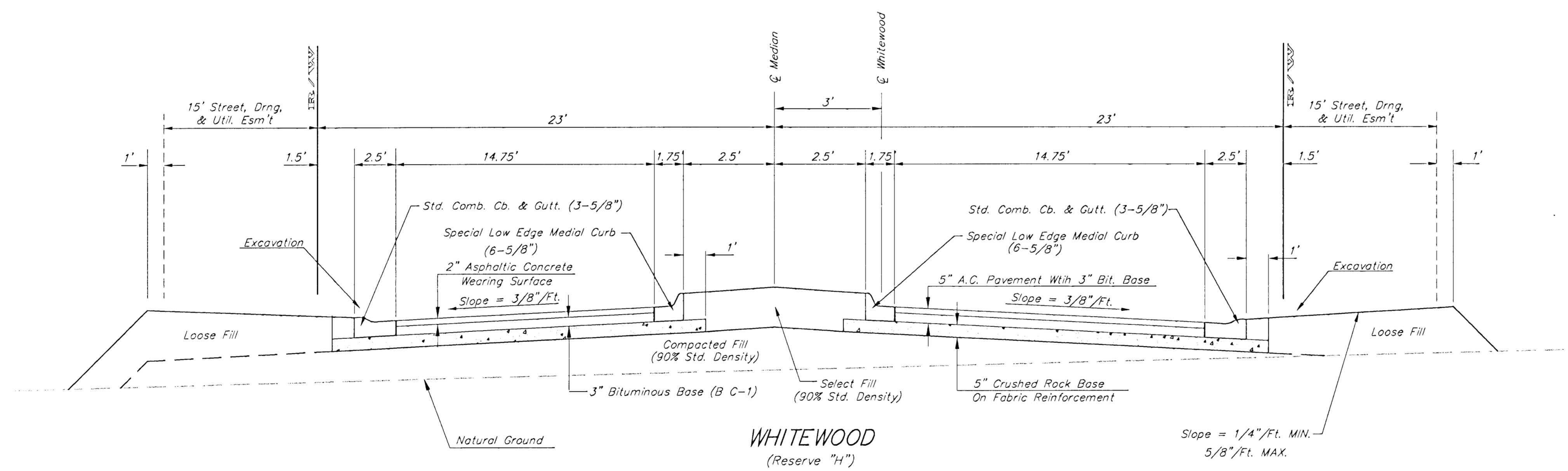
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
315-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83298

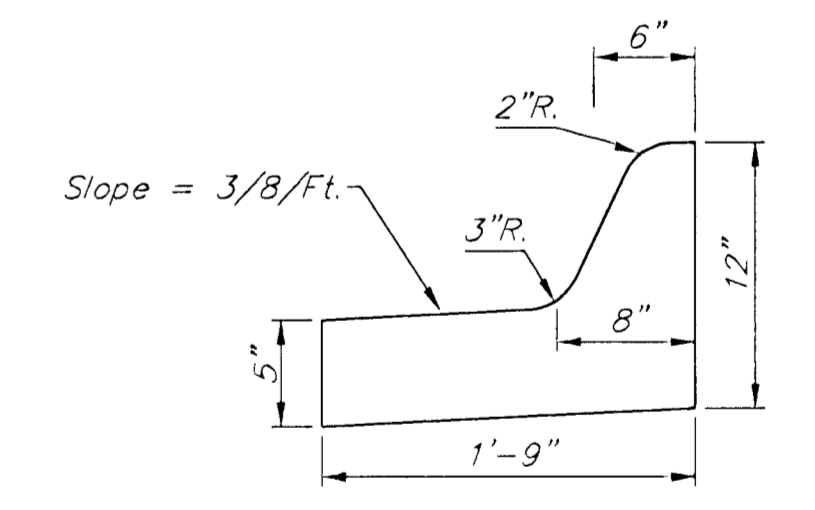
DESIGN TMG	DRAWN JAK	APPROVED	DATE 2-01	SCALE NONE	SHEET 5 OF 30
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SIEFKES



WHITEWOOD
(Reserve "H")

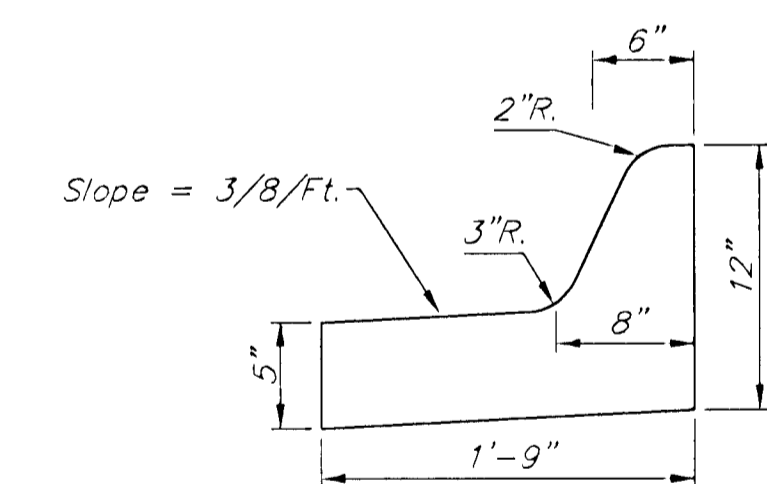
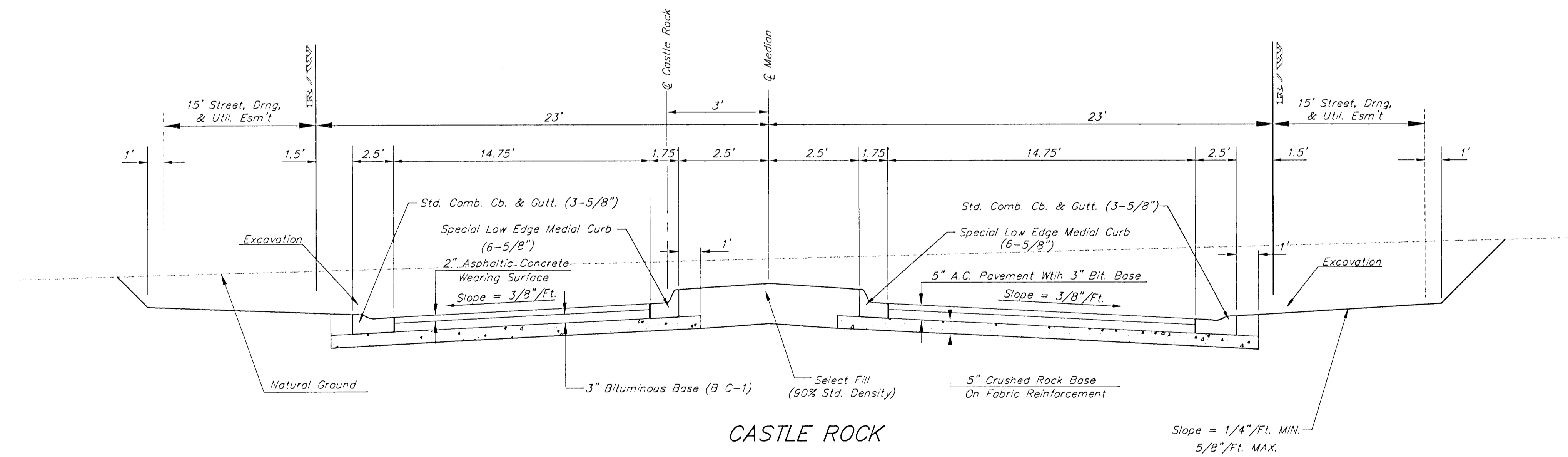
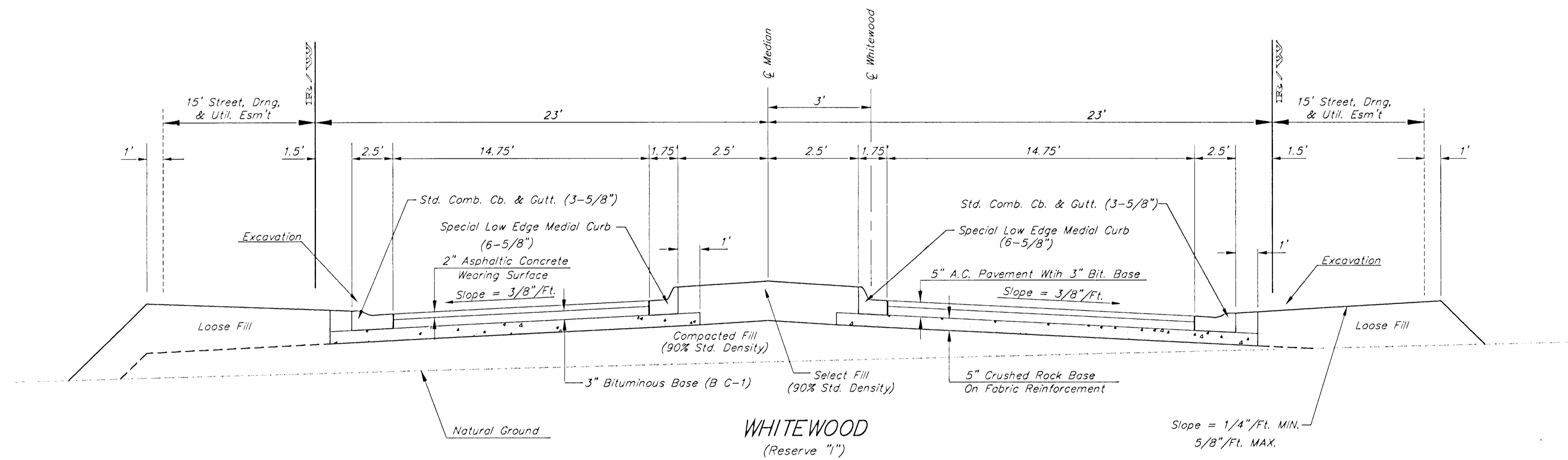


Medial Curb Detail
(Low Edge)
Not to Scale

Note: To be paid as Medial Curb & Gutter (6 5/8")

SHOAL CREEK ADDITION				
ENTRANCE DETAILS				
BAUGHMAN COMPANY P.A.				
ENGINEERING, SURVEYING, & PLANNING				
<small>318-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211</small>				
PROJECT NUMBER 472-93296				SHEET 6
DESIGN TMG	DRAWN JAK	APPROVED	DATE 02-01	SCALE NONE
				OF 30

Shoal Creek Entrance



Medial Curb Detail
(Low Edge)
Not to Scale

Note: To be paid as Medial Curb & Gutter (6 5/8")

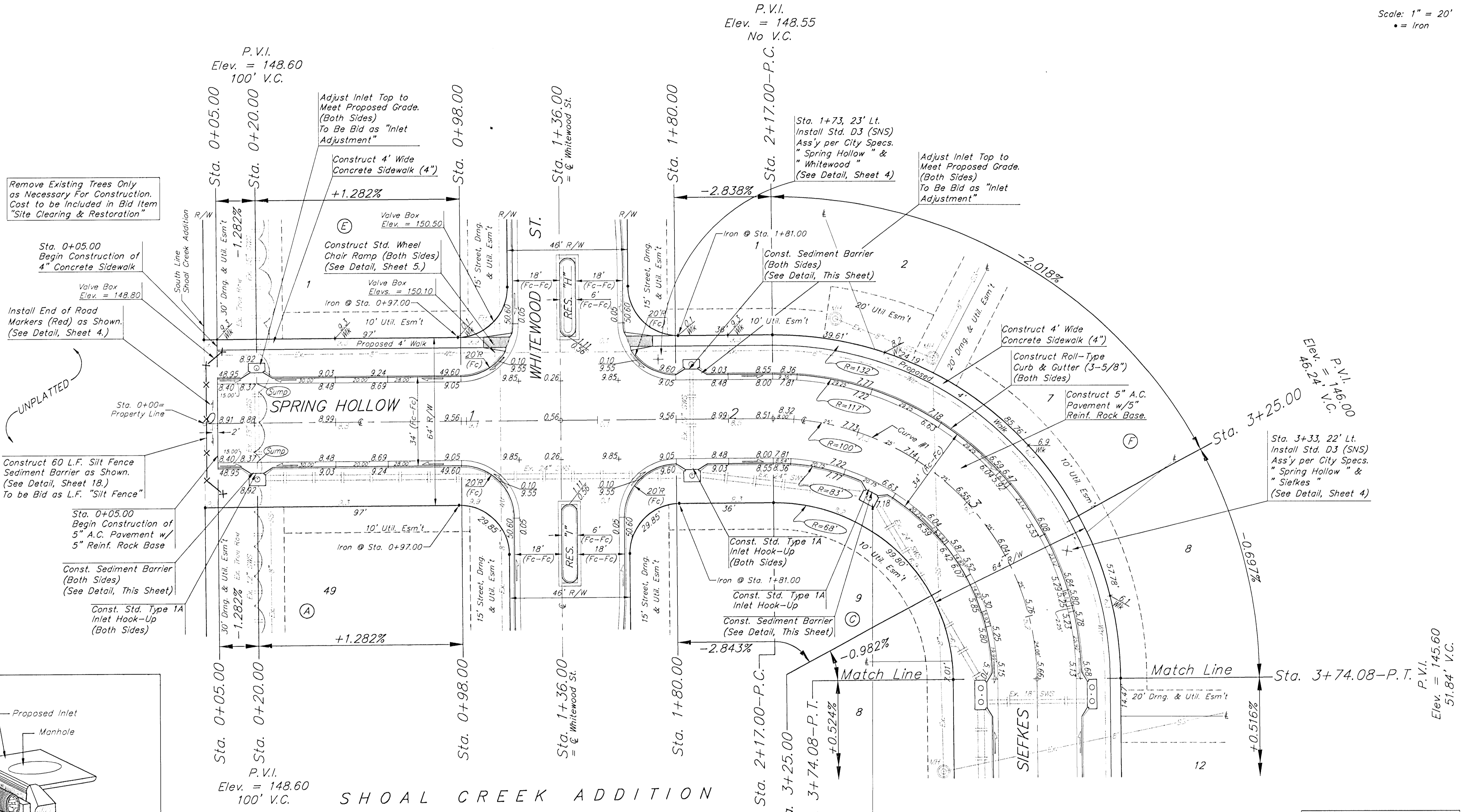
SHOAL CREEK ADDITION				
ENTRANCE DETAILS				
BAUGHMAN COMPANY P.A.				
ENGINEERING, SURVEYING, & PLANNING				
318-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211				
PROJECT NUMBER				
472-93293				
DESIGN	DRAWN	APPROVED	DATE	SCALE
TMG	JAK		02-01	NONE
				SHEET
				7
				OF
				30

BENCHMARKS:
 BM #1 "□" Cut on Top of Curb,
 North Side Siefkes, NW of Center
 Line of Siefkes Ct., Shadybrook
 Meadow Addition.
 Elev. = 135.19 City Datum

BM #2 "□" Cut on SW corner of
 concrete base of SWB box 156'
 north and 41.5' west of E 1/4
 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

BM #3 "□" Cut on concrete base of
 R/W fence brace post 510' NE
 of SW corner of Shoal Creek
 Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum

Scale: 1" = 20'
 • = Iron



Remove Existing Trees Only
 as Necessary For Construction.
 Cost to be Included in Bid Item
 "Site Clearing & Restoration"

Sta. 0+05.00
 Begin Construction of
 4" Concrete Sidewalk

Install End of Road
 Markers (Red) as Shown.
 (See Detail, Sheet 4.)

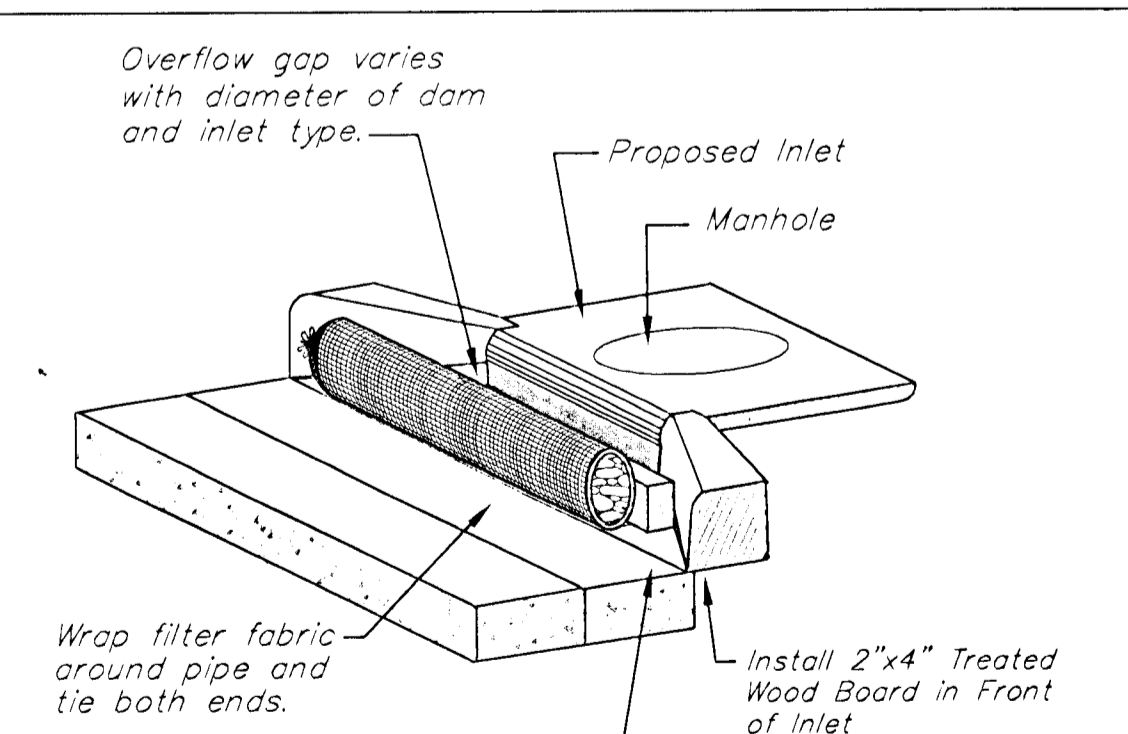
UNPLATTED

Construct 60 L.F. Silt Fence
 Sediment Barrier as Shown.
 (See Detail, Sheet 18.)
 To be Bid as L.F. "Silt Fence"

Sta. 0+05.00
 Begin Construction of
 5" A.C. Pavement w/
 5" Reinf. Rock Base

Const. Sediment Barrier
 (Both Sides)
 (See Detail, This Sheet)

Const. Std. Type 1A
 Inlet Hook-Up
 (Both Sides)



INLET PROTECTION

Perforated Pipe w/ Gravel

Curve #1
 Curve Data Based on Centerline
 Rad. = 100' Delta = 90°00'00" Tangent = 100.00'
 Arc = 157.08' L.C. = 141.42' Def/El. = 17.18869 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		B' Lt.	B' Rt.		
2+17.00	-	-	-	0°00'00"	0°00'00"
2+25.00	8.00'	10.00'	6.00'	2°17'31"	2°17'31"
2+50.00	25.00'	31.17'	18.70'	7°09'44"	9°27'14"
2+75.00	25.00'	31.17'	18.70'	7°09'43"	16°36'57"
3+00.00	25.00'	31.17'	18.70'	7°09'43"	23°46'40"
3+25.00	25.00'	31.17'	18.70'	7°09'43"	30°56'23"
3+50.00	25.00'	31.17'	18.70'	7°09'43"	38°06'06"
3+74.08	24.08'	30.03'	18.02'	6°53'54"	45°00'00"

SHOAL CREEK ADDITION
SPRING HOLLOW
 Sta 0+05.00 to Sta 3+74.08

BAUGHMAN COMPANY P.A.
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315-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-83268

DESIGN: IMG DRAWN: JAK APPROVED: DATE: 02-01 SCALE: Noted

SHEET **8** OF **30**

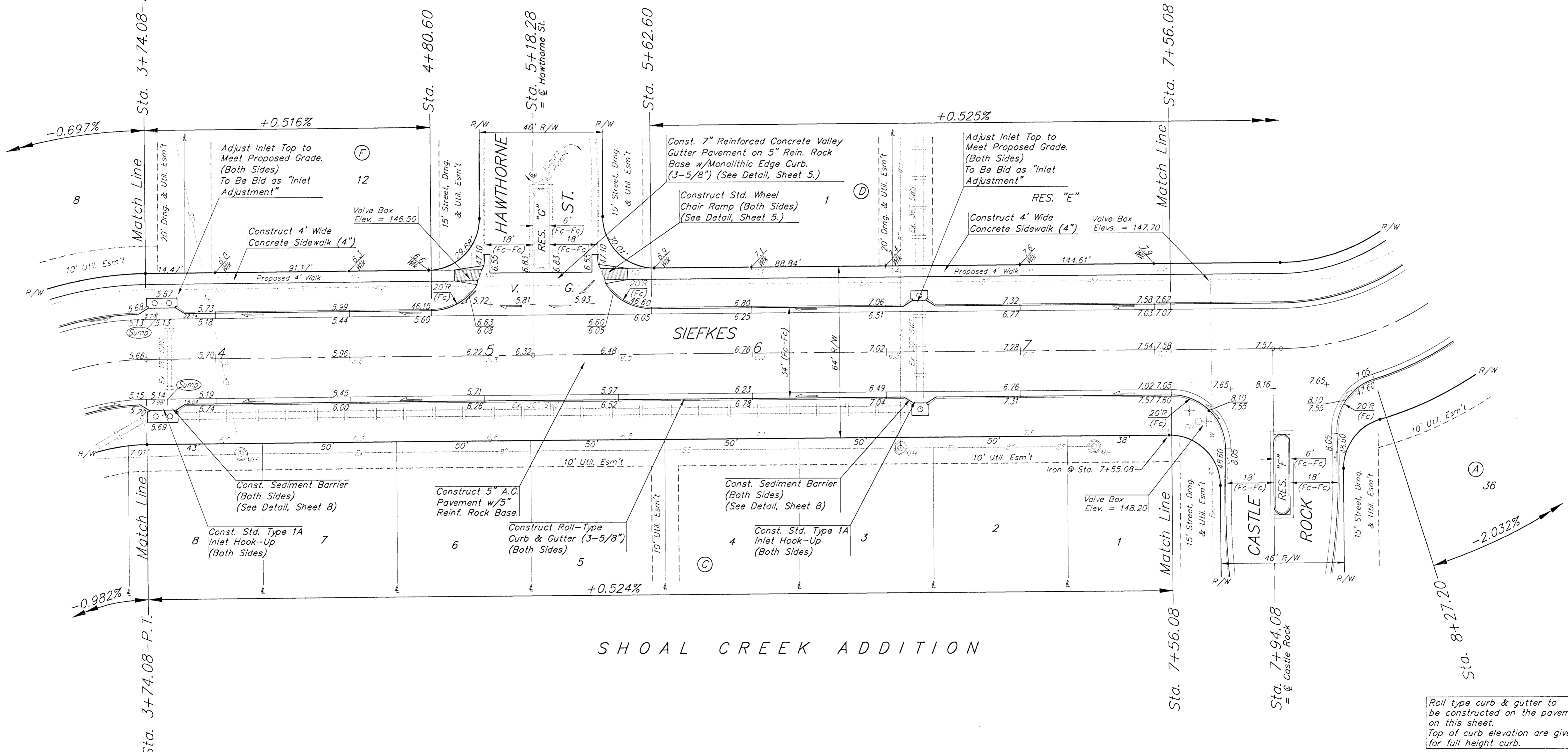
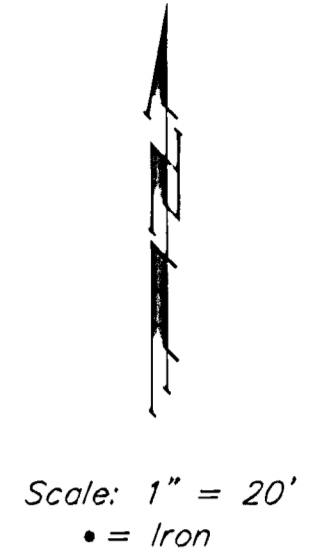
00-11-18574 Shoal Creek

BENCHMARKS:
 BM #1 "□" Cut on Top of Curb,
 North Side Siefkes, NW of Center
 Line of Siefkes Ct., Shadybrook
 Meadow Addition.
 Elev. = 135.19 City Datum

BM #2 "□" Cut on SW corner of
 concrete base of SWB box 156'
 north and 41.5' west of E 1/4
 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

BM #3 "□" Cut on concrete base
 of R/W fence brace post 510' NE
 of SW corner of Shoal Creek
 Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum

P.V.I.
 Elev. = 145.60
 51.84' V.C.



SHOAL CREEK ADDITION

P.V.I.
 Elev. = 145.60
 51.84' V.C.

Roll type curb & gutter to be constructed on the pavement on this sheet. Top of curb elevation are given for full height curb.

SHOAL CREEK ADDITION
SIEFKES
 Sta 3+74.08 to Sta 7+56.08

BAUGHMAN COMPANY P.A.
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PROJECT NUMBER
472-63299

DESIGN: TMG DRAWN: JAK APPROVED: DATE: 02-01 SCALE: Noted

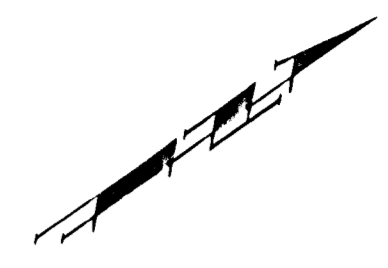
SHEET **9** OF **30**

Shoal Creek

BENCHMARKS:
 BM #1 "□" Cut on Top of Curb, North Side Siefkes, NW of Center Line of Siefkes Ct., Shadybrook Meadow Addition.
 Elev. = 135.19 City Datum

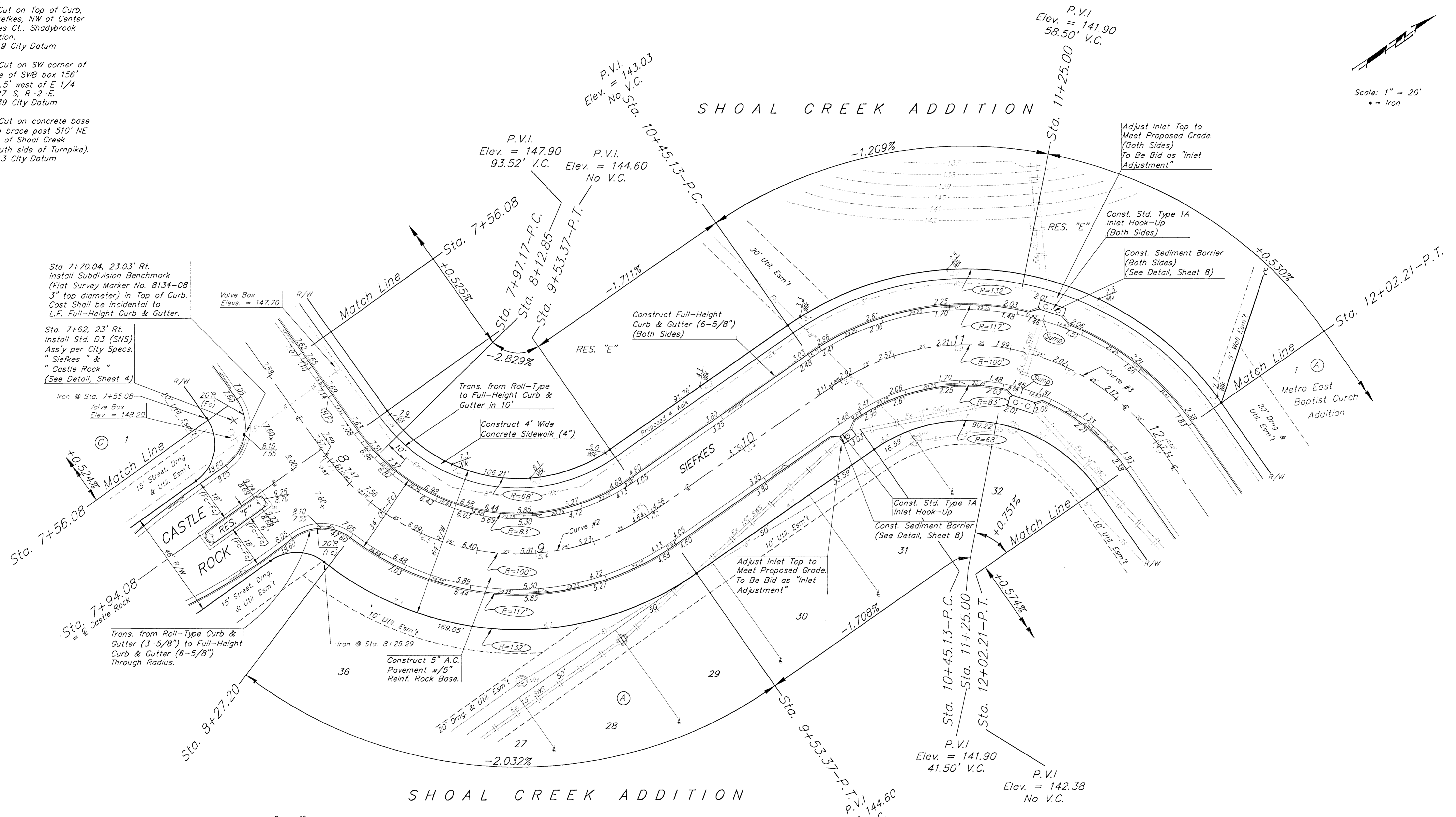
BM #2 "□" Cut on SW corner of concrete base of SHB box 156' north and 41.5' west of E 1/4 Sec. 23, T-27-S, R-2-E.
 Elev. = 143.39 City Datum

BM #3 "□" Cut on concrete base of R/W fence brace post 510' NE of SW corner of Shoal Creek Addition. (South side of Turnpike).
 Elev. = 154.13 City Datum



Scale: 1" = 20'
 • = Iron

SHOAL CREEK ADDITION



Sta 7+70.04, 23.03' Rt.
 Install Subdivision Benchmark (Flat Survey Marker No. 8134-08 3" top diameter) in Top of Curb. Cost Shall be Incidental to L.F. Full-Height Curb & Gutter.

Sta. 7+62, 23' Rt.
 Install Std. D3 (SNS) Assy per City Specs. "Siefkes" & "Castle Rock"
 (See Detail, Sheet 4)

Iron @ Sta. 7+55.08
 Valve Box Elev. = 148.20

Valve Box Elev. = 147.70

Sta. 7+94.08
 = & Castle Rock

Trans. from Roll-Type Curb & Gutter (3-5/8") to Full-Height Curb & Gutter (6-5/8") Through Radius.

Curve #2
 Curve Data Based on Centerline
 Rad. = 100' Delta = 89° 29' 39" Tangent = 99.12'
 Arc = 156.2' L.C. = 140.80' Del/Ft. = 17.18838 Min.

Station	Arc	B' Lt.	B' Rt.	Defl.	T. Defl.
7+97.17				0°00'00"	0°00'00"
8+25.00	27.83'	20.80'	34.67'	7°58'21"	7°58'21"
8+27.20	2.20'	1.65'	2.75'	0°37'49"	8°36'10"
8+50.00	22.80'	17.06'	28.44'	6°31'54"	15°08'04"
8+75.00	25.00'	18.70'	31.17'	7°09'43"	22°17'46"
9+00.00	25.00'	18.70'	31.17'	7°09'43"	29°27'29"
9+25.00	25.00'	18.70'	31.17'	7°09'43"	36°37'11"
9+50.00	25.00'	18.70'	31.17'	7°09'43"	43°46'54"
9+53.37	3.37'	2.53'	4.21'	0°57'56"	44°44'50"

Curve #3
 Curve Data Based on Centerline
 Rad. = 100' Delta = 90°00'00" Tangent = 100.00'
 Arc = 157.08' L.C. = 141.42' Del/Ft. = 17.18869 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		B' Lt.	B' Rt.		
10+45.13				0°00'00"	0°00'00"
10+50.00	4.87'	6.09'	3.65'	1°23'43"	1°23'43"
10+75.00	25.00'	31.17'	18.70'	7°09'43"	8°33'26"
11+00.00	25.00'	31.17'	18.70'	7°09'43"	15°43'09"
11+25.00	25.00'	31.17'	18.70'	7°09'43"	22°52'52"
11+50.00	25.00'	31.17'	18.70'	7°09'43"	30°02'35"
11+75.00	25.00'	31.17'	18.70'	7°09'43"	37°12'18"
12+02.21	27.21'	33.91'	20.34'	7°47'42"	45°00'00"

SHOAL CREEK ADDITION
SIEFKES
 Sta 7+56.08 to Sta 12+02.21

BAUGHMAN COMPANY P.A.
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PROJECT NUMBER
472-83288

DESIGN: TMG DRAWN: JAK APPROVED: DATE: 02-01 SCALE: Noted

SHEET
10
 OF
30