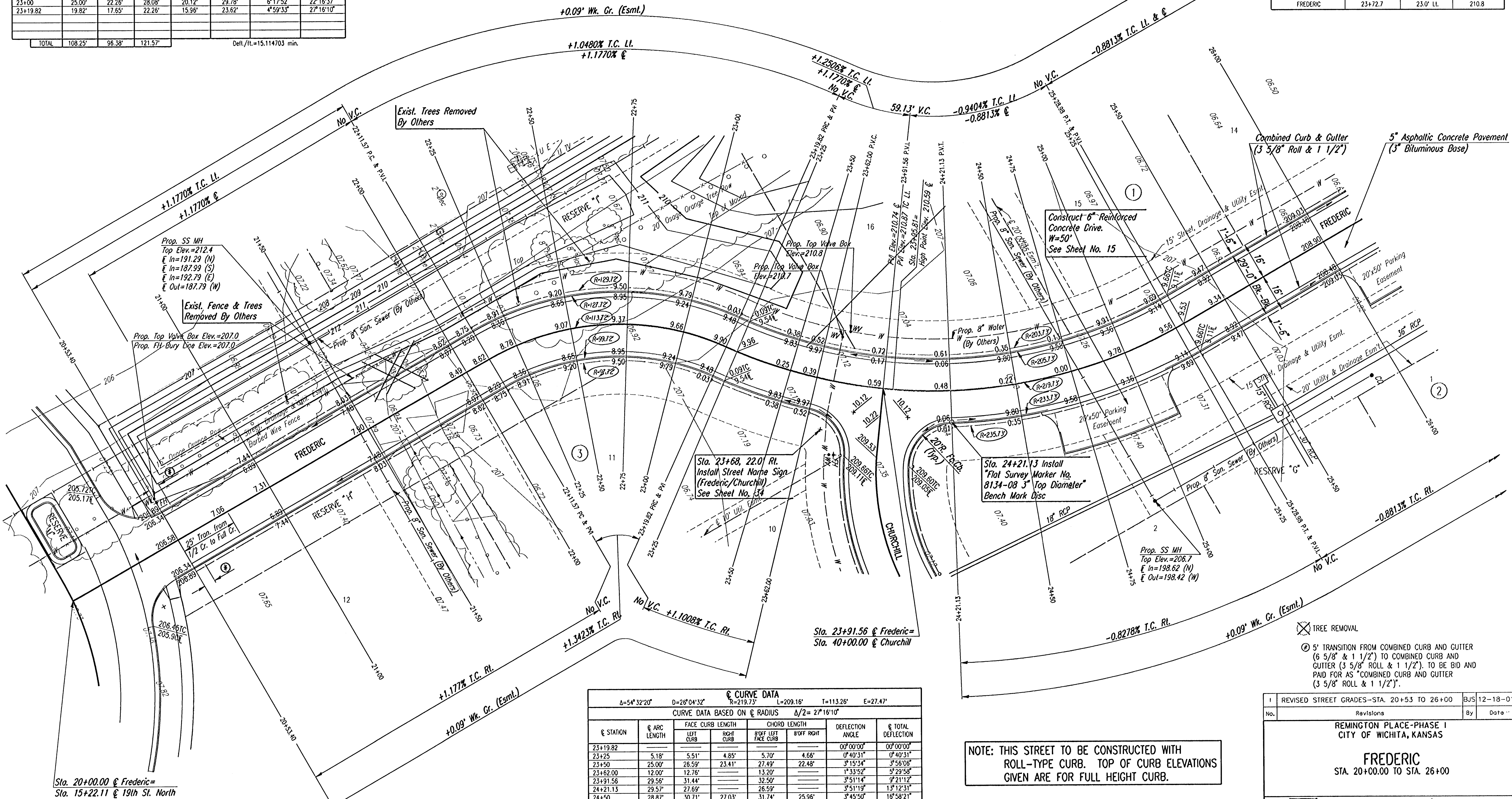


CURVE DATA							
$\Delta=54^{\circ}32'20''$		$D=50'23'00''$		$R=113.72'$	$L=108.25'$	$T=58.62'$	
$E=14.22'$							
CURVE DATA BASED ON Δ RADIUS $\Delta/2=27^{\circ}16'10''$							
$\text{\textcircled{E}}$ STATION	$\text{\textcircled{E}}$ ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE	$\text{\textcircled{E}}$ TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8'OFF LEFT FACE CURB	8'OFF RIGHT		
22+11.57						00°00'00"	00°00'00"
22+25	13.43'	11.96'	15.08'	10.83'	16.02'	3°23'00"	3°23'00"
22+50	25.00'	22.26'	28.08'	20.12'	29.78'	6°17'52"	9°40'52"
22+75	25.00'	22.26'	28.08'	20.12'	29.78'	6°17'52"	15°58'45"
23+00	25.00'	22.26'	28.08'	20.12'	29.78'	6°17'52"	22°16'37"
23+19.82	19.82'	17.65'	22.26'	15.96'	23.62'	4°59'33"	27°16'10"

Deflt./ft.=15.114703 min.

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-83375-000-000-001	9R	58

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
FREDERIC	20+53.40	21.0' LL	207.0
FREDERIC	23+69.7	20.0' LL	210.7
FREDERIC	23+72.7	23.0' LL	210.8



CURVE DATA							
$\Delta=54^{\circ}32'20"$		$D=26^{\circ}04'32"$		$R=219.73'$	$L=209.16'$	$T=113.26'$ $E=27.47'$	
CURVE DATA BASED ON ϕ RADIUS $\Delta/2=27^{\circ}16'10"$							
ϕ STATION	ϕ ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE	ϕ TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8'OFF LEFT FACE CURB	8'OFF RIGHT		
23+19.82	---					00°00'00"	00°00'00"
23+25	5.18'	5.51'	4.85'	5.70'	4.66'	0°40'31"	0°40'31"
23+50	25.00'	26.59'	23.41'	27.49'	22.48'	3°15'34"	3°56'06"
23+62.00	12.00'	12.76'		13.20'		1°33'52"	5°29'58"
23+91.56	29.56'	31.44'		32.50'		5°51'14"	9°21'12"
24+21.13	29.57'	27.69'		26.59'		5°51'19"	13°12'31"
24+50	28.87'	30.71'	27.03'	31.74'	25.96'	3°45'50"	16°58'21"
24+75	25.00'	26.59'	23.41'	27.49'	22.48'	3°15'34"	20°13'55"
25+00	25.00'	26.59'	23.41'	27.49'	22.48'	3°15'34"	23°29'29"
25+25	25.00'	26.59'	23.41'	27.49'	22.48'	3°15'34"	26°45'03"
25+28.98	3.98'	4.23'	3.72'	4.38'	3.58'	0°31'07"	27°16'10"
TOTAL	209.16'	222.48'	195.83'			DefL/(L)=6.79129 min.	

Deflt./ft.=7.679129 min.

NOTE: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

REVISED STREET GRADES—STA. 20+53 TO 26+00

Revisions

By

Date

12-18-01

BJS

REMINGTON PLACE-PHASE I

CITY OF WICHITA, KANSAS

FREDERIC

STA. 20+00.00 TO STA. 26+00

Professional Engineering Consultants, P.A.

303 S. TOPEKA • WICHITA, KANSAS 67202

316-262-2691 • FAX 316-262-3003

Designed by

BER

Checked by

Drawn by

BJS

Date

DEC. 2001

Job No.

01158