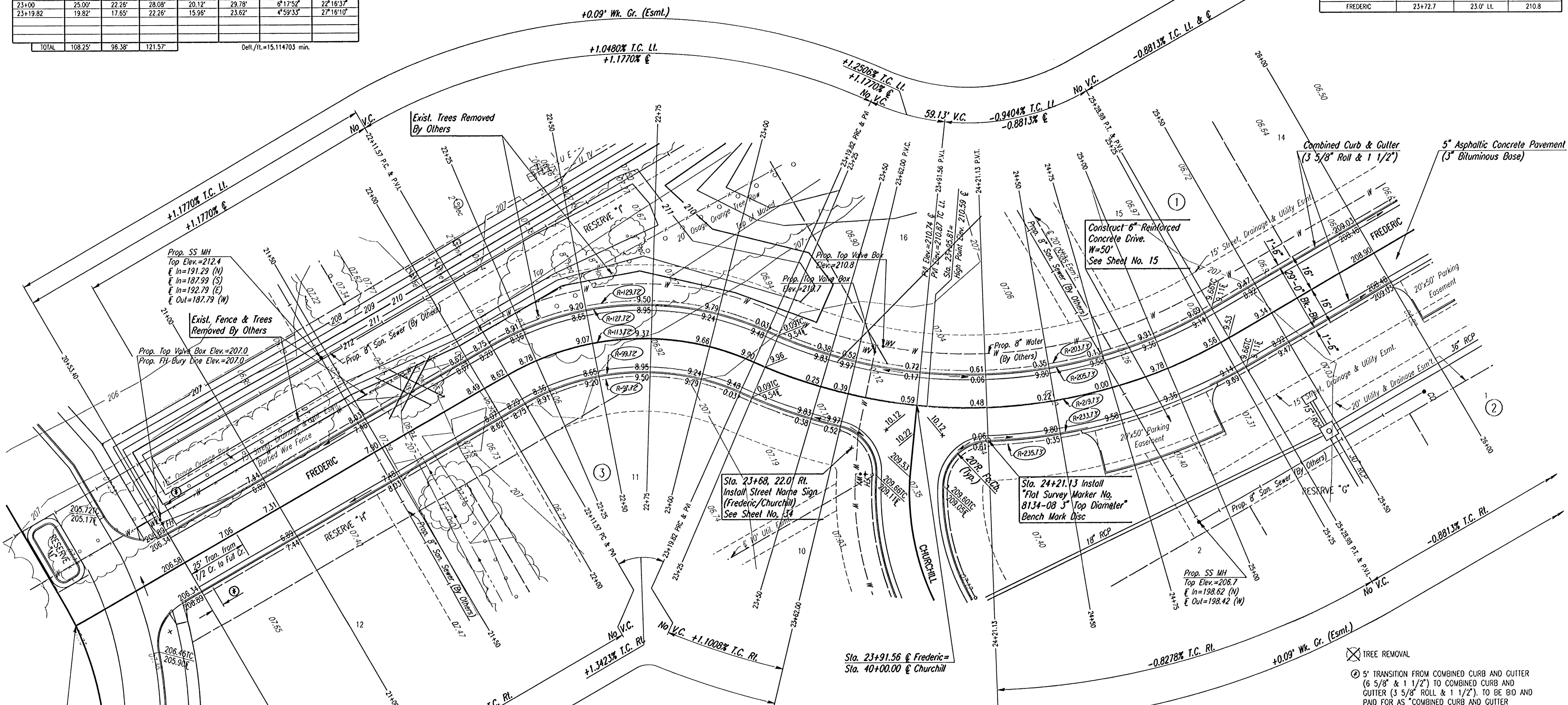
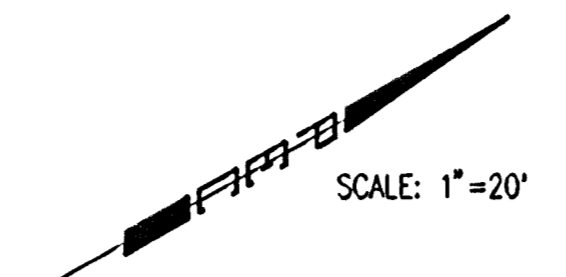


WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
FREDERIC	20+53.40	21.0' LL	207.0
FREDERIC	23+69.7	20.0' LL	210.7
FREDERIC	23+72.7	23.0' LL	210.8

CURVE DATA						
$\Delta=54^{\circ}32'20''$		$D=50^{\circ}23'00''$		$R=113.72'$	$L=108.25'$	$T=58.62'$
$E=14.22'$		CURVE DATA BASED ON Δ RADIUS				
$\Delta/2=27^{\circ}16'10''$						
STATION	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION	
		LEFT CURB	RIGHT CURB		8' OFF LEFT FACE CURB	8' OFF RIGHT
22+11.57				00°00'00"	00°00'00"	00°00'00"
22+25	13.43'	11.98'	15.08'	10.83'	16.02'	3°23'00"
22+50	25.00'	22.26'	28.08'	20.12'	29.78'	6°17'52"
22+75	25.00'	22.26'	28.08'	20.12'	29.78'	6°17'52"
23+00	25.00'	22.26'	28.08'	20.12'	29.78'	6°17'52"
23+19.82	19.82'	17.65'	22.26'	15.96'	23.62'	4°59'33"
TOTAL	108.25'	96.38'	121.57'			Defl./ft.=15.114703 min.



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 Δ RADIUS				
$\Delta/2=27^{\circ}16'10''$						
STATION	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION	
		LEFT CURB	RIGHT CURB		8' OFF LEFT FACE CURB	8' OFF RIGHT
23+19.82				00°00'00"	00°00'00"	00°00'00"
23+25	5.18'	5.51'	4.85'	5.70'	4.66'	0°40'31"
23+50	25.00'	26.59'	23.41'	27.49'	22.48'	3°15'34"
23+62.00	12.00'	12.76'		13.20'		1°33'52"
23+91.56	29.56'	31.44'		32.50'		3°51'14"
24+21.13	29.57'	27.69'		26.59'		3°51'19"
24+50	28.87'	30.71'	27.03'	31.74'	25.96'	3°45'50"
24+75	25.00'	26.59'	23.41'	27.49'	22.48'	3°15'34"
25+00	25.00'	26.59'	23.41'	27.49'	22.48'	3°15'34"
25+25	25.00'	26.59'	23.41'	27.49'	22.48'	3°15'34"
25+28.98	3.98'	4.23'	3.72'	4.38'	3.58'	0°31'07"
TOTAL	209.16'	222.48'	195.83'			Defl./ft.=7.679129 min.

REVISED STREET GRADES—STA. 20+53 TO 26+00	By BJS	Date 12-18-01
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REVISIONS

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. 0158

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

DSNR: BER OPER: BJS SCALE: 1"=20' PLOT DATE: 1-9-2002