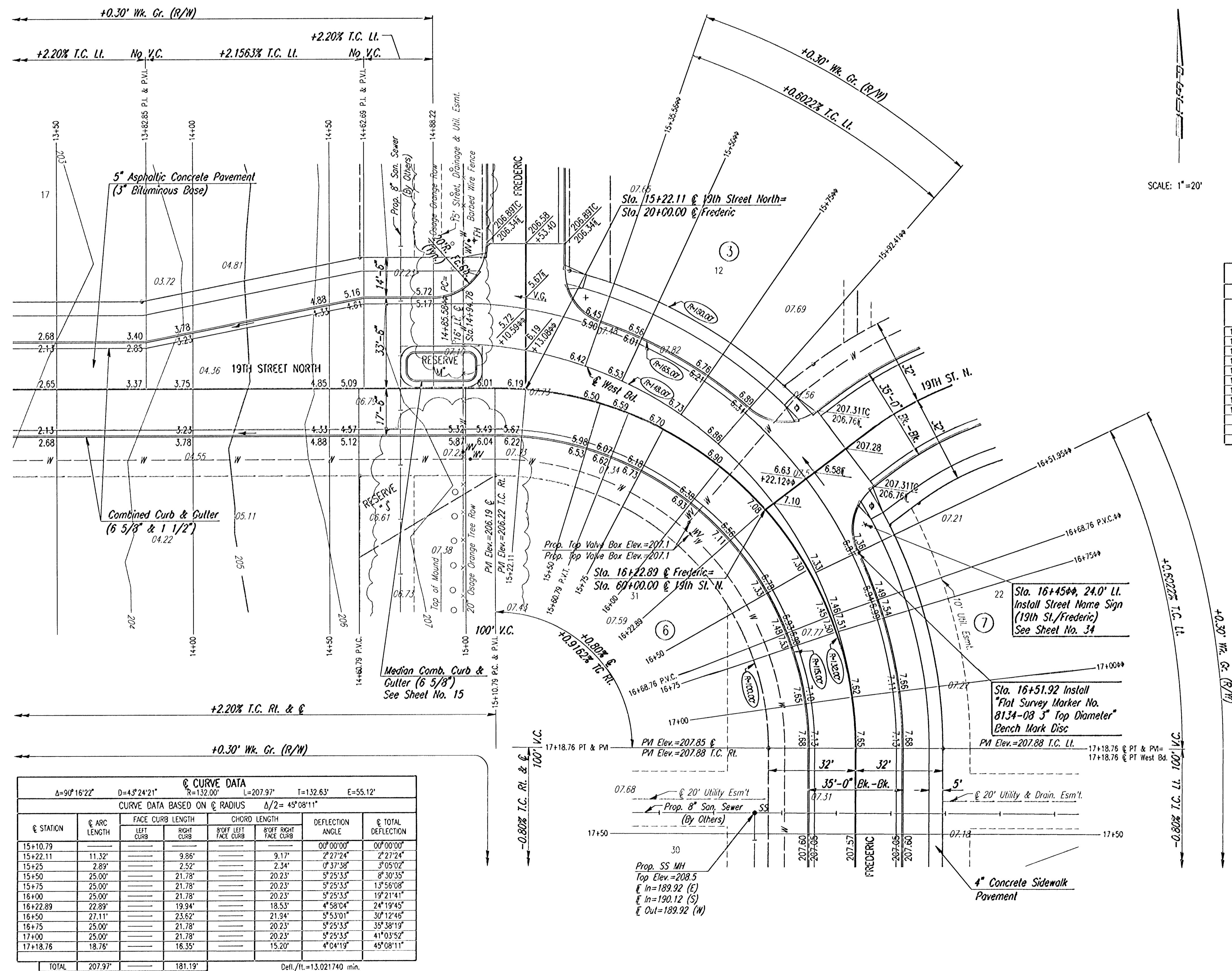


DSNR: BER OPER: BUS SCALE: 1"=20'
 i:/2001/01158/STR14-18.DGN Plot Date: 10-23-2001

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
19TH STREET NORTH	16+04.62	23.0' RL	207.1
19TH STREET NORTH	16+08	26.0' RL	207.1

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-83375-000-000-001	7	58



SCALE: 1"=20'

CURVE DATA						
$\Delta=90^{\circ}16'22''$		$D=43^{\circ}24'21''$		$R=148.00'$		$L=233.18'$
						$T=148.71'$
						$E=61.80'$
CURVE DATA BASED ON ϕ RADIUS $\Delta/2=45^{\circ}08'11''$						
ϕ STATION	ϕ ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	ϕ TOTAL DEFLECTION	
		LEFT CURB	RIGHT CURB	FACE CURB	FACE CURB	
14+85.58				00°00'00"	00°00'00"	
15+35.56	49.98'			3°40'28"	3°40'28"	
15+50	14.44'	16.10'		2°47'42"	12°28'10"	
15+75	25.00'	27.87'		4°50'21"	17°18'31"	
15+92.41	17.41'	19.41'		3°22'12"	20°40'45"	
16+51.95	59.54'			11°31'30"	32°12'15"	
16+75	23.05'	25.70'		4°27'42"	36°39'55"	
17+00	25.00'	27.87'		4°50'21"	41°30'16"	
17+18.76	18.76'	20.92'		3°37'54"	45°08'10"	
TOTAL	233.18'	259.97'				Defl./ft.=11.614020 min.

ϕ CURVE DATA						
$\Delta=90^{\circ}16'22''$		$D=43^{\circ}24'21''$		$R=132.00'$		$L=207.97'$
						$T=132.63'$
						$E=55.12'$
CURVE DATA BASED ON ϕ RADIUS $\Delta/2=45^{\circ}08'11''$						
ϕ STATION	ϕ ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	ϕ TOTAL DEFLECTION	
		LEFT CURB	RIGHT CURB	FACE CURB	FACE CURB	
15+10.79				00°00'00"	00°00'00"	
15+22.11	11.32'			2°27'24"	2°27'24"	
15+25	2.89'	2.52'		0°37'38"	3°05'02"	
15+50	25.00'	21.78'		5°25'35"	8°30'35"	
15+75	25.00'	21.78'		5°25'35"	13°56'08"	
16+00	25.00'	21.78'		5°25'35"	19°21'41"	
16+22.89	22.89'			18.53'	24°19'45"	
16+50	27.11'			23.62'	30°12'46"	
16+75	25.00'			21.78'	35°38'19"	
17+00	25.00'			20.23'	41°03'52"	
17+18.76	18.76'			15.20'	45°08'11"	
TOTAL	207.97'	181.19'				Defl./ft.=13.021740 min.

- ◆ CONSTRUCT STD. WHEELCHAIR RAMP
- ◆ WEST BOUND ϕ STATION

Revisions		By	Date
No.			
REMINGTON PLACE-PHASE I CITY OF WICHITA, KANSAS 19TH STREET NORTH/FREDERIC STA. 13+50 TO STA. 17+50			
Professional Engineering Consultants, P.A. 300 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	BER	Checked by	
Drawn by	BJS	Date	JUNE 2001
		Job No.	01158