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

℄ CURVE DATA

Δ=54°32'20" D=50°23'00" R=113.72' L=108.25' T=58.62' E=14.22'

CURVE DATA BASED ON ℄ RADIUS Δ/2= 27°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"
22+25	13.43'	11.95'	15.08'	10.83'	16.02'	3°23'00"	3°23'00"
22+50	25.00'	22.25'	28.08'	20.12'	29.78'	6°17'52"	9°40'52"
22+75	25.00'	22.25'	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"
TOTAL	108.25'	96.38'	121.57'	Defl./ft.=15.114703 min.			

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

SCALE: 1"=20'

+0.09° Wk. Gr. (Esmt.)

+1.0480% T.C. Lt.
+1.1770% ℄

+1.1770% T.C. Lt.
+1.1770% ℄

+1.2506% T.C. Lt.
+1.1770% ℄
No V.C.

59.13' V.C.

-0.9404% T.C. Lt
-0.8813% ℄

No V.C.

-0.8813% T.C. Lt. & ℄

22+11.57 P.C. & P.V.I.

Exist. Trees Removed By Others

Prop. SS MH
Top Elev.=212.4
℄ In=191.29 (N)
℄ In=187.99 (S)
℄ In=192.79 (E)
℄ Out=187.79 (W)

Exist. Fence & Trees Removed By Others

Prop. Top Valve Box Elev.=207.0
Prop. FH-Bury Dice Elev.=207.0

Prop. 8" San. Sewer (By Others)

RESERVE "I"

RESERVE "H"

RESERVE "A"

RESERVE "G"

FREDERIC

CHURCHILL

Prop. Top Valve Box Elev.=210.8

Prop. Tee Valve Box Elev.=210.7

23+19.82 PRC & P.I.
23+29

23+62.00 P.V.C.

23+91.56 P.V.I.
P.I. Elev.=210.74 ℄
P.V.I. Elev.=210.87 T.C. Lt.
Sta. 23+65.81=
High Point Elev. 210.59 ℄

24+21.13 P.V.T.

Sta. 23+68, 22.0' Rt.
Install Street Name Sign
(Frederic/Churchill)
See Sheet No. 34

Sta. 24+21.13 Install
"Flat Survey Marker No.
8134-08 3" Top Diameter"
Bench Mark Disc

Prop. SS MH
Top Elev.=206.7
℄ In=198.62 (N)
℄ Out=198.42 (W)

Prop. 8" Water (By Others)

Prop. 8" San. Sewer (By Others)

Construct 6" Reinforced Concrete Drive. W=50' See Sheet No. 15

Combined Curb & Gutter (3 5/8" Roll & 1 1/2")

5" Asphaltic Concrete Pavement (3" Bituminous Base)

15' Street, Drainage & Utility Esmt.

20' Utility & Drainage Esmt.

20'x50' Parking Easement

16' RCP

18" RCP

1'-6" Ext. 15' Ext. 39'-0" Bk.-Bk.

20R Typ.

Sta. 20+00.00 ℄ Frederic=
Sta. 15+22.11 ℄ 19th St. North

Sta. 23+91.56 ℄ Frederic=
Sta. 40+00.00 ℄ Churchill

+1.1771% T.C. Rt.

+0.09° Wk. Gr. (Esmt.)

No V.C. +1.1008% T.C. Rt.

No V.C. +1.3423% T.C. Rt.

-0.8278% T.C. Rt.

+0.09° Wk. Gr. (Esmt.)

No V.C.

-0.8813% T.C. Rt.

TREE REMOVAL

(F) 5' TRANSITION FROM COMBINED CURB AND GUTTER (6 5/8" & 1 1/2") TO COMBINED CURB AND CUTTER (3 5/8" ROLL & 1 1/2"). TO BE BID AND PAID FOR AS "COMBINED CURB AND GUTTER (3 5/8" ROLL & 1 1/2")".

℄ CURVE DATA

Δ=54°32'20" D=26°04'32" R=219.73' L=209.16' T=113.26' E=27.47'

CURVE DATA BASED ON ℄ RADIUS Δ/2= 27°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"
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'	———	3°51'16"	9°21'12"
24+21.13	29.57'	27.69'	———	26.59'	———	3°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./ft.=7.679129 min.			

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

No.	Revisions	By	Date
1	REVISED STREET GRADES-STA. 20+53 TO 26+00	BJS	12-18-01

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

9R

DSNR: BER OPER: BJS SCALE: 1"=20'
i:/2001/0158/ST20-26R.DGN Plot Date: 1-9-2002