

Q CURVE DATA
 $\Delta = 22^\circ 16' 48''$ $D = 14^\circ 0' 31.5''$ $R = 409.00'$ $L = 159.04'$ $T = 80.54'$ $E = 7.85'$
 CURVE DATA BASED ON Q radius $\Delta/2 = 11^\circ 8' 24''$

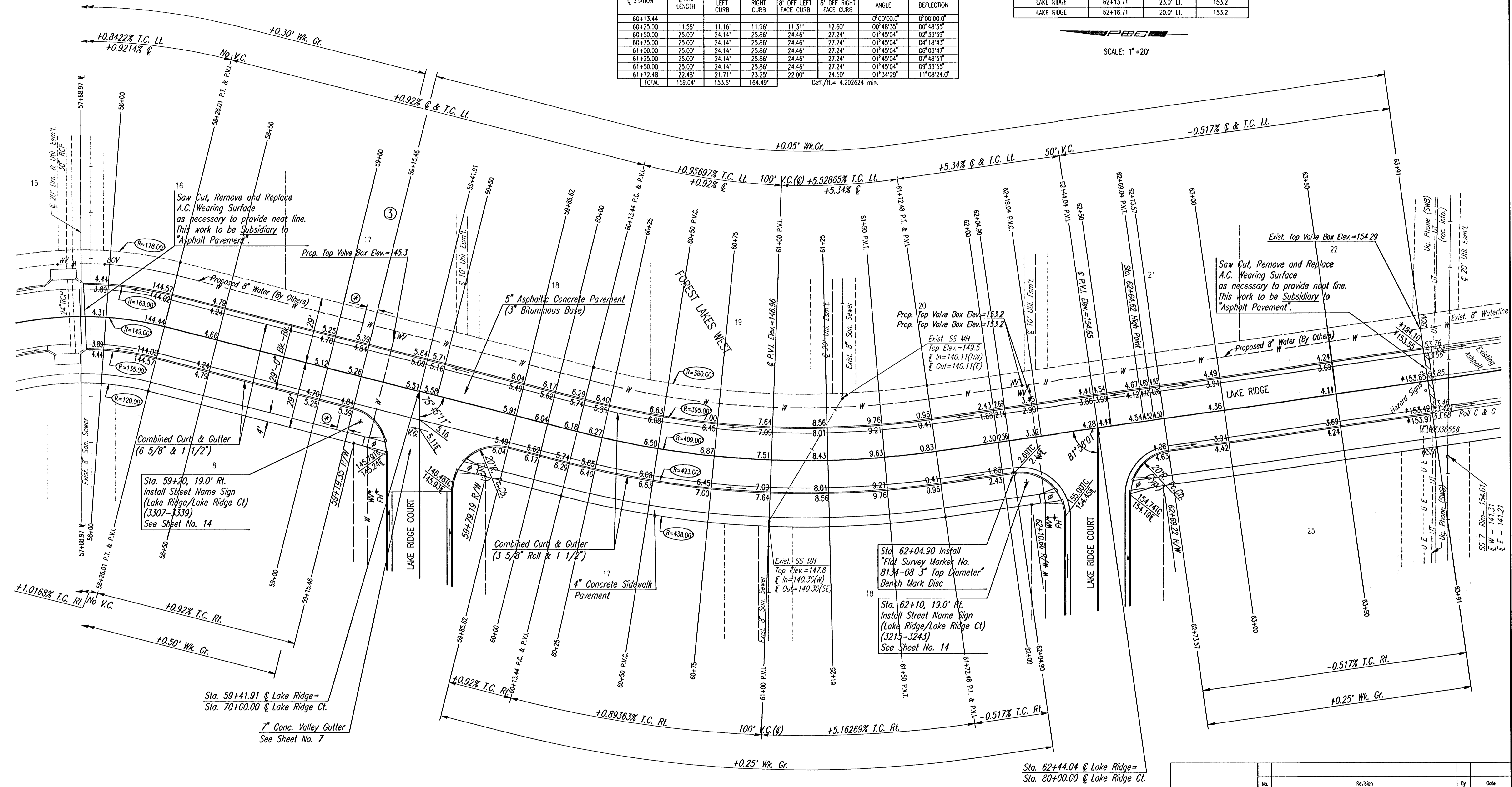
Q STATION	Q ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE	Q TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB		
60+13.44						0°00'00.0"	0°00'00.0"
60+25.00	11.56'	11.16'	11.96'	11.31'	12.60'	00°48'35"	00°48'35"
60+50.00	25.00'	24.14'	25.86'	24.46'	27.24'	01°45'04"	02°33'39"
60+75.00	25.00'	24.14'	25.86'	24.46'	27.24'	01°45'04"	04°18'43"
61+00.00	25.00'	24.14'	25.86'	24.46'	27.24'	01°45'04"	06°03'47"
61+25.00	25.00'	24.14'	25.86'	24.46'	27.24'	01°45'04"	07°48'51"
61+50.00	25.00'	24.14'	25.86'	24.46'	27.24'	01°45'04"	09°33'55"
61+72.48	22.48'	21.71'	23.25'	22.00'	24.50'	01°34'29"	11°08'24.0"
TOTAL	159.04'	153.8'	164.49'				

Defl./ft. = 4.202624 min.

WATER VALVE BOX ELEVATIONS

STREET	STATION	OFFSET	PROPOSED ELEVATION
LAKE RIDGE	59+25.54	20.0' Lt.	145.3
LAKE RIDGE	62+13.71	23.0' Lt.	153.2
LAKE RIDGE	62+16.71	20.0' Lt.	153.2

SCALE: 1"=20'



Q CURVE DATA
 $\Delta = 14^\circ 14' 36''$ $D = 38^\circ 27' 12.8''$ $R = 149.00'$ $L = 37.04'$ $T = 18.62'$ $E = 1.16'$
 CURVE DATA BASED ON Q radius $\Delta/2 = 7^\circ 7' 18''$

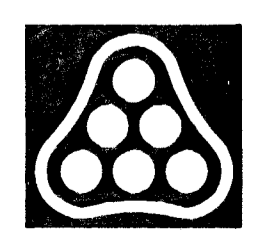
Q STATION	Q ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE	Q TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB		
57+88.97						0°00'00.0"	0°00'00.0"
58+00.00	11.03'	12.07'	9.99'	11.47'	8.52'	02°07'14.6"	02°07'14.6"
58+25.00	25.00'	27.35'	22.65'	25.97'	19.29'	04°48'24.1"	06°55'38.7"
58+26.01	1.01'	1.11'	0.92'	1.05'	0.78'	00°11'39.3"	07°07'18.0"
TOTAL	37.04'	40.52'	33.56'				

Defl./ft. = 11.536063 min.

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

* MATCH EXISTING
 φ CONSTRUCT STD. WHEELCHAIR RAMP
NOTE: PORTION OF THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

DSNR: BER OPER. BUS SCALE: 1"=20.00
 Q: 20011013721007str58-64 03-05-2003 05:51:17 am



No.	Revision	By	Date

FOREST LAKES WEST-PHASE 4
 CITY OF WICHITA, KANSAS
LAKE RIDGE
 STA. 57+88.97 TO STA. 63+91
 CITY OF WICHITA PROJ. NO. 472-82873

Professional Engineering Consultants, P.A.
 303 S. TOPEKA • WICHITA, KANSAS 67202
 316-262-2691 • FAX 316-262-3003

Designed by	BER	Job No.	35-01372-007
Drawn by	BJS	Date	JAN 2003

SH. 4 of 14