

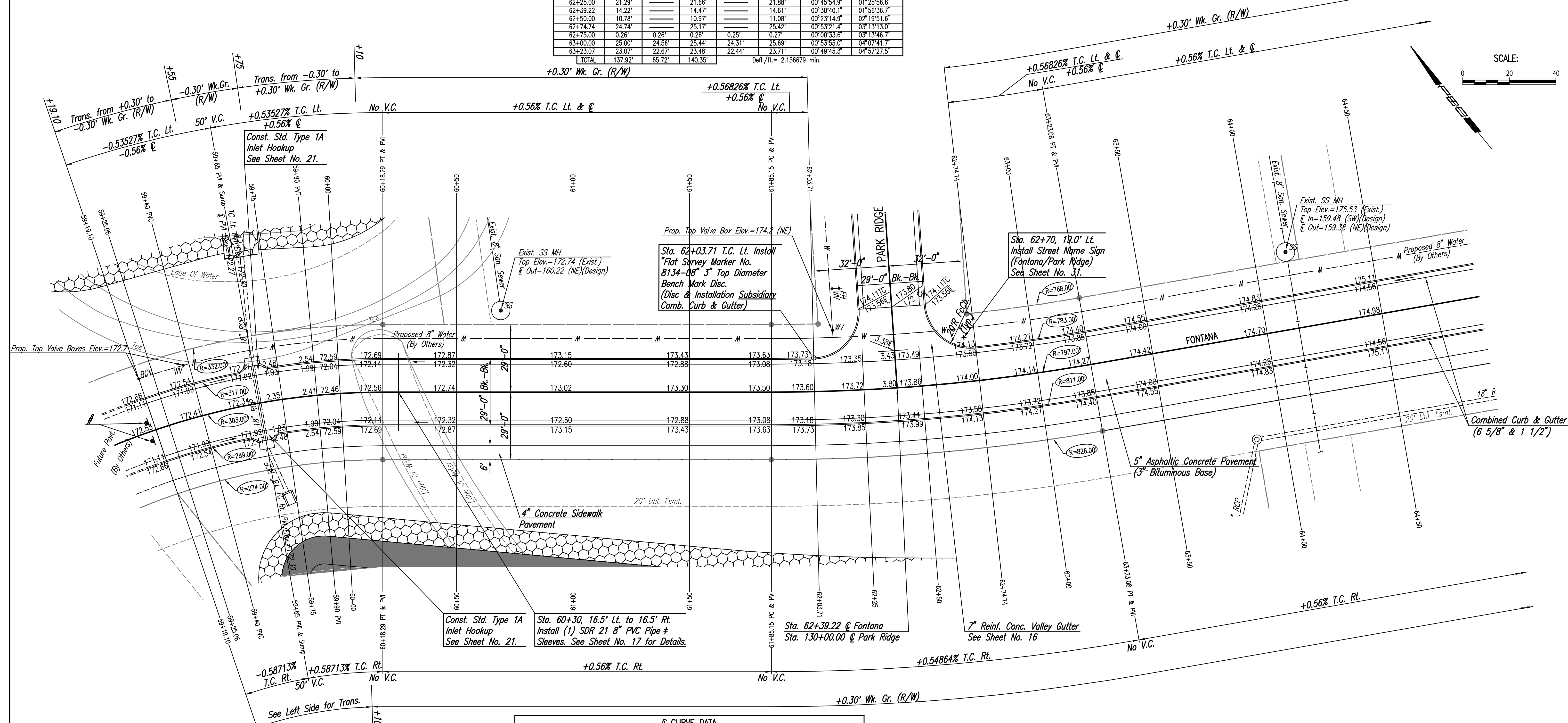
☉ CURVE DATA
 $\Delta = 9^\circ 54' 55''$ $D = 7' 11'' 20.7''$ $R = 797.00'$ $L = 137.92'$ $T = 69.13'$ $E = 2.99'$
 CURVE DATA BASED ON ☉ radius $\Delta/2 = 4^\circ 57' 27.5''$

☉ STATION	☉ ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE	☉ TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB		
61+85.15						0°00'00.0"	0°00'00.0"
62+00.00	14.85'	14.59'	15.11'	14.44'	15.26'	00°32'01.6"	00°32'01.6"
62+03.71	3.71'	3.64'	3.78'	3.61'	3.81'	00°08'01.1"	00°40'01.7"
62+25.00	21.29'					00°45'54.9"	01°25'56.6"
62+39.22	14.22'					00°30'40.1"	01°56'36.7"
62+50.00	10.78'					00°23'14.9"	02°19'51.6"
62+74.74	24.74'					00°53'21.4"	03°13'13.0"
62+75.00	0.26'	0.26'	0.26'	0.25'	0.27'	00°00'33.6"	03°13'46.7"
63+00.00	25.00'	24.56'	25.44'	24.31'	25.69'	00°53'55.0"	04°07'41.7"
63+23.07	23.07'	22.67'	23.48'	22.44'	23.71'	00°49'45.3"	04°57'27.5"
TOTAL	137.92'	65.72'	140.35'				

Defl./ft. = 2.156679 min.

WATER VALVE BOX ELEVATIONS

STREET	STATION	OFFSET	PROPOSED ELEVATION
FONTANA	59+19.10	23.0' Lt.	172.7
FONTANA	59+39.10	23.0' Lt.	172.7
FONTANA	62+12.33	26.0' Lt.	174.2

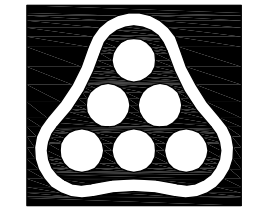


☉ CURVE DATA
 $\Delta = 38^\circ 48' 35''$ $D = 18' 54' 34.7''$ $R = 303.00'$ $L = 205.24'$ $T = 106.73'$ $E = 18.25'$
 CURVE DATA BASED ON ☉ radius $\Delta/2 = 19^\circ 24' 17.5''$

☉ STATION	☉ ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE	☉ TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB		
58+13.05						0°00'00.0"	0°00'00.0"
58+25.00	11.95'	12.50'	11.40'	12.82'	11.08'	01°07'47.4"	01°07'47.4"
58+50.00	25.00'	26.16'	23.84'	26.81'	23.18'	02°21'49.3"	03°29'36.7"
58+75.00	25.00'	26.16'	23.84'	26.81'	23.18'	02°21'49.3"	05°51'26.0"
59+00.00	25.00'	26.16'	23.84'	26.81'	23.18'	02°21'49.3"	08°13'15.3"
59+19.10	19.10'	19.98'	18.22'	20.48'	17.71'	01°48'21.1"	10°01'36.4"
59+25.00	5.90'	6.17'	5.63'	6.33'	5.47'	00°33'28.2"	10°35'04.6"
59+50.00	25.00'	26.16'	23.84'	26.81'	23.18'	02°21'49.3"	12°56'53.8"
59+75.00	15.00'	15.69'	14.31'	16.09'	13.91'	01°25'05.6"	14°21'59.4"
59+85.00	10.00'	10.46'	9.54'	10.73'	9.27'	00°56'43.7"	15°18'43.1"
60+00.00	25.00'	26.16'	23.84'	26.81'	23.18'	02°21'49.3"	17°40'32.4"
60+18.29	18.29'	19.13'	17.44'	19.61'	16.96'	01°43'45.4"	19°24'17.6"
TOTAL	205.24'	214.72'	195.76'				

Defl./ft. = 5.67285 min.

☉ Sleeves to be 42" below top of curb.
 Each end of 8" PVC pipe sleeves shall be capped and marked with steel "T" posts or 2" dia. steel pipe a maximum of 12" above finished grade. Pipe, caps, markers, and installation thereof shall be bid per linear foot of "8" PVC Pipe".



Install Type OMA-3 (End of Roadway Marker See Sheet No. 31.)

No.	Revision	By	Date
FONTANA 4TH ADDITION-PHASE 1			
FONTANA			
STA. 59+19.10 TO STA. 64+50			
JAMES L. ARMOUR, P.E. - CITY ENGINEER			
CITY OF WICHITA PROJ. NO. 472-84800			
Professional Engineering Consultants, P.A.			
303 S. TOPKA • WICHITA, KANSAS 67202			
316-262-2691 • FAX 316-262-3003			
Designed by	BMM	Job No.	35-08389-000
Drawn by	BJS	Date	July 2008
			Sheet 9 of 50

Scaled 11-12-2010 11:58:20 AM by BJS
 Plot Scale 1:20 11-12-2010 2:25:19 PM by BILL J. SECKSON
 Q:\2009\08389\000\08389-000-C-STR-59-65