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

Δ=9°54'55"L D= 7° 11' 20.2" R= 797.00' L= 137.92' T= 69.13' E= 2.99'

CURVE DATA BASED ON ℄ radius Δ/2= 4° 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'.1"	00°40'01.7"
62+25.00	21.29'	———	21.66'	———	21.88'	00°45'54.9"	01°25'56.6"
62+39.22	14.22'	———	14.47'	———	14.61'	00°30'40.1"	01°56'36.7"
62+50.00	10.78'	———	10.97'	———	11.08'	00°23'14.9"	02°19'51.6"
62+74.74	24.74'	———	25.17'	———	25.42'	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.

SCALE:
0 20 40
+0.30' Wk. Gr. (R/W)
+0.56826% T.C. Lt. & ℄
+0.56% ℄
No V.C.
+0.56% T.C. Lt. & ℄
+0.56826% T.C. Lt.
+0.56% ℄
Trans. from +0.30' to -0.30' Wk. Gr. (R/W)
-0.30' Wk.Gr. (R/W)
Trans. from -0.30' to +0.30' Wk. Gr. (R/W)
-0.53527% T.C. Lt.
-0.56% ℄
50' V.C.
+0.53527% T.C. Lt.
Const. Std. Type 1A Inlet Hookup See Sheet No. 21.
Exist. 8" San. Sewer
Exist. SS MH
Top Elev.=172.74 (Exist.)
℄ Out=160.22 (NE)(Design)
Prop. Top Valve Box Elev.=174.2 (NE)
Sta. 62+03.71 T.C. Lt. Install "Flat Survey Marker No. 8134-08" 3" Top Diameter Bench Mark Disc. (Disc & Installation Subsidiary Comb. Curb & Gutter)
PARK RIDGE
32'-0"
29'-0" Bk.-Bk.
Sta. 62+70, 19.0' Lt. Install Street Name Sign (Fontana/Park Ridge) See Sheet No. 31.
Exist. SS MH
Top Elev.=175.53 (Exist.)
℄ In=159.48 (SW)(Design)
℄ Out=159.38 (NE)(Design)
Proposed 8" Water (By Others)
FONTANA
Prop. Top Valve Boxes Elev.=172.7
Edge Of Water
Future Pavt. (By Others)
29'-0" Bk.-Bk.
20' Util. Esmt.
Combined Curb & Gutter (6 5/8" & 1 1/2")
5" Asphaltic Concrete Pavement (3" Bituminous Base)
4" Concrete Sidewalk Pavement
Const. Std. Type 1A Inlet Hookup See Sheet No. 21.
Sta. 60+30, 16.5' Lt. to 16.5' Rt. Install (1) SDR 21 8" PVC Pipe ‡ Sleeves. See Sheet No. 17 for Details.
Sta. 62+39.22 ℄ Fontana
Sta. 130+00.00 ℄ Park Ridge
7" Reinf. Conc. Valley Gutter See Sheet No. 16
+0.56% T.C. Rt.
+0.54864% T.C. Rt.
-0.58713% T.C. Rt.
+0.58713% T.C. Rt.
See Left Side for Trans.

℄ CURVE DATA

Δ=38°48'35" D= 18° 54' 34.2" R= 303.00' L= 205.24' T= 106.73' E= 18.25'

CURVE DATA BASED ON ℄ radius Δ/2= 19° 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+65.00	15.00'	15.69'	14.31'	16.09'	13.91'	01°25'05.6"	14°21'59.4"
59+75.00	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 OM4-3 (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

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Designed by	BMM	Job No.	35–08389–000
Drawn by	BJS	Date	July 2008