℄ CURVE DATA

Δ=29°58'59"L D= 28° 38' 52.4" R= 200.00' L= 104.66' T= 53.58' E= 7.05'

CURVE DATA BASED ON ℄ radius Δ/2= 14° 59' 29.5"

℄ 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		
73+37.55						0°00'00.0"	0°00'00.0"
73+50.00	12.45'	11.58'	13.32'	11.08'	13.82'	01°46'60.0"	01°46'60.0"
73+53.48	3.48'	2.31'	2.65'	2.31'	2.75'	00°21'19.8"	02°08'19.8"
73+75.00	22.52'	20.94'	24.10'	20.03'	24.98'	03°13'32.7"	05°21'51.6"
74+00.00	25.00'	23.25'	26.75'	22.24'	27.73'	03°34'51.6"	08°56'43.1"
74+25.00	25.00'	23.25'	26.75'	22.24'	27.73'	03°34'51.6"	12°31'34.7"
74+42.21	17.21'	16.01'	18.42'	15.31'	19.10'	02°27'54.6"	14°59'29.5"
TOTAL	104.66'	97.33'	111.99'			Defl/ft.= 8.594367 min.	

WATER VALVE BOX ELEVATIONS

STREET	STATION	OFFSET	PROPOSED ELEVATION
FONTANA	70+37.00	22.0' Rt.	172.9
FONTANA	72+98.00	25.65' Rt.	171.1
FONTANA	73+00.65	23.0' Rt.	171.1
FONTANA	73+52.48	22.0' Rt.	171.1
FONTANA	75+59.13	39.72' Lt.	172.2

SCALE: 1"=20'

Sta. 70+00.00 ℄ Fontana Cir.=
Sta. 38+73.54 ℄ Covington

-3.48% T.C. Lt.

75' V.C.

+0.52% T.C. Lt.

+0.05' Wk. Gr. (R/W)

No V.C. +0.56506% TC Lt. No V.C.

+0.52% T.C. Lt.

Prop. SS MH
Top Elev.=173.3
℄ In=154.45 (NW)
℄ Out=154.45 (SE)

Prop. 8" Water (By Others)

Const. Std. Type 1A Inlet Hookup See Sheet No. 48.

TC Lt. PVI Elev.=169.97

℄ 20' Drng. Esmt.

18" RCP (SWS Line No. 4)

Prop. SS MH
Top Elev.=170.3
℄ In=162.09 (SW)
℄ In=154.09 (NW)
℄ Out=154.09 (SE)

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

5" Asphaltic Concrete Pavement (3" Bituminous Base)

FONTANA 2ND

Prop. 8" San. Sewer (By Others)

15' Util. Esmt.

Sta. 73+21.00 ℄ Fontana Cir.=
Sta. 79+95.22 ℄ Fontana Ct.

Prop. SS MH
Top Elev.=171.2
℄ In=153.55 (NW)
℄ Out=153.55 (SE)

Prop. SS MH
Top Elev.=171.X
℄ In=153.31 (NW)
℄ Out=153.21 (S)

℄ 20' Util. Esmt.

FONTANA CIR.

FONTANA CT.

Prop. Top Valve Box Elev.=171.1
Prop. FH Bury Line Elev.=171.0

Prop. SS MH
Top Elev.=171.7
℄ In=150.91 (S)
℄ In=153.00 (N)
℄ Out=152.90 (E)

Sta. 73+48, 19.0' Rt.
Install Street Name Sign
(Fontana Cir/Fontana Ct)
(11313-11343)
See Sheet No. 59.

7" Conc. Valley Gutter See Sheet No. 26.

Prop. 6" Water (By Others)

+0.56% T.C. Rt.

+0.50% T.C. Rt.

+0.05' Wk. Gr. (R/W)

Sta. 75+58.12 ℄ Fontana Cir.=
Ctr. of Cul-de-sac

Prop. SS Cleanout
Top Elev.=172.9
℄ Out=163.45 (SE)

Prop. Top Valve Box Elev.=172.9

75+17.39 R/W (Typ.)

Fc. Cb. Length =27.49' (Typ. of 4)

Fc. Cb. Length =21.65' (Typ. of 2)

Fc. Cb. Length =18.09' (Typ. of 2)

BOV

51°48'59"

38°11'01"

35'R.

50'R.

Fc. Cb

45° (Typ.)

Prop. 8" San. Sewer (By Others)

℄ 20' Util. Esmt.

No V.C.

Prop. SS MH
Top Elev.=172.6
℄ In=162.55 (NW)
℄ In=152.13 (SW)
℄ Out=152.03 (E)

Prop. SS MH
Top Elev.=172.4
℄ In=152.45 (W)
℄ Out=152.35 (NE)

+0.52% T.C. Rt. & ℄

+0.49113% T.C. Rt.

+0.05' Wk. Gr. (R/W)

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

No.	Revision	By	Date

FONTANA ADDITION-PHASE 1

FONTANA CIRCLE

STA. 70+00 TO STA. 75+58.12

JAMES L. ARMOUR, P.E.- CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-84086

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

Designed by	BDB, BLB	Job No.	35-04485-000	Sheet 22 of 101
Drawn by	BJS	Date	September 2004	

BRIAND BOUTWELL LICENSED 10889 PROFESSIONAL ENGINEER 9/14/06

Saved: 03-13-2006 4:09:32 PM by BJS
Plot Scale: 1.20 03-14-2006 9:35:07 AM by JMU
Q:\2004\04485\000\STR20-76