WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
FONTANA	25+13.02	23.0' Rt.	176.7
FONTANA	25+33.02	23.0' Rt.	176.5

℄ CURVE DATA

Δ=59° 25' 6" L D= 7° 58' 56.9" R= 717.77' L= 744.36' T= 409.56' E= 108.63'

CURVE DATA BASED ON ℄ radius Δ/2= 29° 42' 33"

℄ STATION	℄ ARC LENGTH	FACE CURB LENGTH LEFT CURB	FACE CURB LENGTH RIGHT CURB	CHORD LENGTH 8' OFF LEFT FACE CURB	CHORD LENGTH 8' OFF RIGHT FACE CURB	DEFLECTION ANGLE	℄ TOTAL DEFLECTION
16+08.67						0° 00' 00.0"	0° 00' 00.0"
16+11.91	5.24'	———	5.34'	———	5.40'	00° 12' 32.9"	00° 12' 32.9"
16+25.00	13.09'	12.83'	13.35'	12.69'	13.49'	00° 31' 20.8"	00° 43' 53.7"
16+50.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	01° 43' 45.9"
16+75.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	02° 43' 38.0"
17+00.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	03° 43' 30.1"
17+25.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	04° 43' 22.2"
17+50.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	05° 43' 14.3"
17+75.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	06° 43' 06.4"
18+00.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	07° 42' 58.5"
18+00.50	0.50'	0.49'	0.51'	0.48'	0.52'	00° 01' 11.8"	07° 44' 10.4"
18+14.69	14.19'	13.91'	———	13.75'	———	00° 33' 58.9"	08° 18' 09.3"
18+25.00	10.31'	———	———	———	———	00° 24' 41.4"	08° 42' 50.7"
18+50.00	25.00'	———	———	———	———	00° 59' 52.1"	09° 42' 42.8"
18+75.00	25.00'	———	———	———	———	00° 59' 52.1"	10° 42' 34.9"
18+81.90	6.90'	———	———	———	———	00° 16' 31.4"	10° 59' 06.3"
18+90.32	8.42'	8.26'	———	8.16'	———	00° 20' 09.8"	11° 19' 16.1"
19+00.00	9.68'	9.49'	9.87'	9.38'	9.98'	00° 23' 10.9"	11° 42' 27.0"
19+25.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	12° 42' 19.1"
19+50.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	13° 42' 11.2"
19+75.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	14° 42' 03.3"
20+00.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	15° 41' 55.5"
20+25.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	16° 41' 47.6"
20+41.34	16.34'	16.02'	16.66'	15.84'	16.84'	00° 39' 07.8"	17° 20' 55.4"
20+50.00	8.66'	———	8.83'	———	8.93'	00° 20' 44.3"	17° 41' 39.7"
20+75.00	25.00'	———	25.49'	———	25.76'	00° 59' 52.1"	18° 41' 31.8"
21+00.00	25.00'	———	25.49'	———	25.76'	00° 59' 52.1"	19° 41' 23.9"
21+08.54	8.54'	———	8.71'	———	8.80'	00° 20' 27.1"	20° 01' 51.0"
21+25.00	16.46'	16.14'	16.78'	15.96'	16.98'	00° 39' 25.0"	20° 41' 16.0"
21+50.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	21° 41' 08.1"
21+75.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	22° 41' .3"
22+00.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	23° 40' 52.4"
22+25.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	24° 40' 44.5"
22+50.00	25.00'	24.51'	25.49'	24.23'	25.76'	00° 59' 52.1"	25° 40' 36.6"
22+54.96	4.96'	4.86'	5.06'	4.81'	5.11'	00° 11' 52.7"	25° 52' 29.3"
22+56.92	1.96'	———	2.00'	———	2.02'	00° 04' 41.6"	25° 57' 10.9"
22+75.00	18.08'	———	———	———	———	00° 43' 17.8"	26° 40' 28.7"
23+00.00	25.00'	———	———	———	———	00° 59' 52.1"	27° 40' 20.8"
23+25.00	25.00'	———	———	———	———	00° 59' 52.1"	28° 40' 13.0"
23+50.00	25.00'	———	———	———	———	00° 59' 52.1"	29° 40' 05.1"
23+51.03	1.03'	———	———	———	———	00° 02' 28.0"	29° 42' 33"
TOTAL	744.36'	498.67'	571.62'			Defl./ft.= 2.394741 min.	

SCALE: 1"=20'

+0.30' Wk. Gr. (R/W)

+0.83618% T.C. Lt.

+0.82% ℄

5" Asphaltic Concrete Pavement (3" Bituminous Base)

Sta. 20+95, 19.0' Rt. Install Traffic Sign (W2-6) & (W13-1) on Single Post See Sheet No. 59.

Combined Curb & Gutter (6 5/8" & 1 1/2")

Prop. SS MH Top Elev.=176.4 ℄ Out=168.20 (SW)

4" Concrete Sidewalk Pavement ①

Prop. 8" San. Sewer (By Others)

Sta. 22+54.96 Install "Flat Survey Marker No. 8134-08" 3" Top Diameter Bench Mark Disc.

Sta. 23+11, 39.3' Lt. to Sta. 23+35, 16.5' Lt. Install (2) Class-200 8" PVC Pipe Sleeve. See Sheet No. 28 for Details.

Sta. 33+82, 34.0' Lt. to 33.5' Rt. Install (1) Class-200 8" PVC Pipe Sleeve. See Sheet No. 28 for Details.

See Sheet No. 29 for Roundabout Plan

Prop. SS MH Top Elev.=176.9 ℄ In=167.07 (NW) ℄ In=166.87 (SW) ℄ Out=166.87 (NE)

Prop. Top Valve Box Elev.=176.5

Prop. Top Valve Box Elev.=176.7

Landscape Berms (By Others)(Typ.)

+0.80418% T.C. Rt.

+0.30' Wk. Gr. (R/W)

-0.52% T.C. Lt. & ℄

-0.52% T.C. Rt.

Sta. 23+51.02 ℄ Covington= Sta. 34+27.24 ℄ Covington= Sta. 34+27.24 ℄ Landon Cir.=

Combined Curb & Gutter (6 5/8" & 1 1/2")

FRONT OF SDWK. COORDINATE LIST		
POINT	NORTH	EAST
~~522 PC~~	~~26,224.4599~~	~~16,480.3585~~
523 PT	26,238.3424	16,467.1185
524 PC	26,265.3043	16,428.3685
525 PT	26,297.2914	16,399.2716
526 PC	26,301.1914	16,397.0729
527 PT	26,328.4909	16,374.7539

(522) = COORDINATE POINT NO.

SEE SHEET NO. 3 FOR PLAT COORDINATES

℄ Construct Std. Wheelchair Ramp

Install Type OM4-3 (End of Roadway Marker) See Sheet No. 59.

NOTE: See Sheet No. 31 for Signing Plan, Sta. 22+00 to Sta. 25+00.

No.	Revision	By	Date

FONTANA ADDITION-PHASE 1

COVINGTON/FONTANA

STA. 21+00 TO STA. 25+33.02

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 14 of 101
Drawn by	BJS	Date	September 2004	

BRAND L. BOUTWELL LICENSED 10889 PROFESSIONAL ENGINEER

Signed: 03-14-2006 11:06:56 AM by BJS
Plot Scale = 1.00 = 20.00 Inches
Q:\2004\04485\000\ST121-24.dgn 9 Jul by JMU