BL 2 CURVE DATA

Δ=35°28'44"L D= 29° 47' 53.1" R= 192.28' L= 119.06' T= 61.51' E= 9.6'

CURVE DATA BASED ON BL 2 radius Δ/2= 17° 44' 22"

BL STATION	BL 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		
12+33.58						0°00'00.0"	0°00'00.0"
12+50.00	16.42'	14.97'	———	14.28'	———	02°26'47.1"	02°26'47.1"
12+75.00	25.00'	22.79'	———	21.73'	———	03°43'29.2"	06°10'16.3"
13+00.00	25.00'	22.79'	———	21.73'	———	03°43'29.2"	09°53'45.4"
13+25.00	25.00'	22.79'	———	21.73'	———	03°43'29.2"	13°37'14.6"
13+50.00	25.00'	22.79'	———	21.73'	———	03°43'29.2"	17°20'43.8"
13+52.64	2.64'	2.41'	———	2.30'	———	00°23'36.0"	17°44'22.1"
TOTAL	119.06'	108.54'	———	Defl./ft.= 8.939429 min.			

WATER VALVE BOX ELEVATIONS

STREET	STATION	OFFSET	PROPOSED ELEVATION
CHATEAU PARKWAY	℄ Sta. 14+64.38	43.8 Lt.	1385.96
CHATEAU PARKWAY	℄ Sta. 14+64.38	38.34' Rt.	1388.9

Install OM4-3 (End of Roadway Marker) See Sheet No. 46.

℄ CURVE DATA

Δ=23°8'18"R D= 19° 5' 54.9" R= 300.00' L= 121.15' T= 61.41' E= 6.22'

CURVE DATA BASED ON ℄ radius Δ/2= 11° 34' 9"

℄ 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		
11+12.43						0°00'00.0"	0°00'00.0"
11+25.00	12.57'	13.28'	11.86'	13.62'	11.52'	01°12'01.3"	01°12'01.3"
11+35.50	10.50'	11.10'	9.90'	11.37'	9.62'	01°00'09.6"	02°12'10.9"
11+50.00	14.50'	15.32'	13.68'	15.71'	13.29'	01°23'04.7"	03°35'15.6"
11+60.62	10.62'	11.22'	10.02'	11.50'	9.73'	01°00'50.9"	04°36'06.5"
11+75.00	14.38'	15.19'	13.57'	15.58'	13.18'	01°22'23.5"	05°58'30.0"
11+91.20	16.20'	17.12'	15.28'	17.55'	14.85'	01°32'49.2"	07°31'19.2"
12+00.00	8.80'	9.30'	8.30'	9.53'	8.07'	00°50'25.2"	08°21'44.4"
12+23.12	23.12'	24.43'	21.81'	25.04'	21.19'	02°12'28.1"	10°34'12.5"
12+25.00	1.88'	1.99'	1.77'	2.04'	1.72'	00°10'46.3"	10°44'58.7"
12+33.58	8.58'	9.07'	8.10'	9.30'	7.87'	00°49'09.6"	11°34'9"
TOTAL	121.15'	128.02'	114.29'	Defl./ft.= 5.729578 min.			

℄ CURVE DATA=BL 1

Δ=35°28'44"L D= 19° 5' 54.9" R= 300.00' L= 185.77' T= 95.97' E= 14.98'

CURVE DATA BASED ON ℄ radius Δ/2= 17° 44' 22"

℄ 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		
12+33.58						0°00'00.0"	0°00'00.0"
12+50.00	16.42'	———	17.35'	———	17.79'	01°34'04.8"	01°34'04.8"
12+75.00	25.00'	———	26.42'	———	27.08'	02°23'14.4"	03°57'19.2"
12+85.62	10.62'	———	11.22'	———	11.50'	01°00'50.9"	04°58'10.0"
13+00.00	14.38'	———	15.19'	———	15.58'	01°22'23.5"	06°20'33.5"
13+25.00	25.00'	———	26.42'	———	27.08'	02°23'14.4"	08°43'47.9"
13+50.00	25.00'	———	26.42'	———	27.08'	02°23'14.4"	11°07'02.3"
13+75.00	25.00'	———	26.42'	———	27.08'	02°23'14.4"	13°30'16.7"
14+00.00	25.00'	———	26.42'	———	27.08'	02°23'14.4"	15°53'31.0"
14+19.35	19.35'	———	20.44'	———	20.96'	01°50'52.0"	17°44'22.1"
TOTAL	185.77'	———	196.29'	Defl./ft.= 5.729578 min.			

BL 2 CURVE DATA

Δ=21°13'28"R D= 13° 38' 30.7" R= 420.00' L= 155.58' T= 78.69' E= 7.31'

CURVE DATA BASED ON BL 2 radius Δ/2= 10° 36' 44"

BL STATION	BL 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		
14+15.16						0°00'00.0"	0°00'00.0"
14+25.00	9.84'	10.24'	———	10.43'	———	00°40'16.2"	00°40'16.2"
14+50.00	25.00'	26.01'	———	26.48'	———	01°42'18.8"	02°22'35.1"
14+75.00	25.00'	26.01'	———	26.48'	———	01°42'18.8"	04°04'53.9"
15+00.00	25.00'	26.01'	———	26.48'	———	01°42'18.8"	05°47'12.8"
15+25.00	25.00'	26.01'	———	26.48'	———	01°42'18.8"	07°29'31.6"
15+50.00	25.00'	26.01'	———	26.48'	———	01°42'18.8"	09°11'50.4"
15+70.74	20.74'	21.58'	———	21.98'	———	01°24'52.8"	10°36'44.0"
TOTAL	155.58'	161.88'	———	Defl./ft.= 4.092556 min.			

No.	Revision	By	Date

OAK CREEK 2ND – PHASE 2

CHATEAU PARKWAY

STA. 10+00 TO STA. 15+00

JAMES L. ARMOUR, P.E.– CITY ENGINEER

CITY OF WICHITA PROJECT NO. 472–84449

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Designed by	BDB, BMM	Job No.	35–05731–003	Sheet 8 of 84
Drawn by	BJS, TAT	Date	February 2006	