℄ CURVE DATA

Δ=90°0'0"L D= 57° 17' 44.8" R= 100.00' L= 157.08' T= 100.00' E= 41.42'

CURVE DATA BASED ON ℄ radius Δ/2= 45° 0' 0"

℄ 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		
45+77.44						0°00'00.0"	0°00'00.0"
45+91.00	13.56'	11.25'	15.87'	10.16'	16.94'	03°53'04.8"	03°53'04.8"
46+00.00	9.00'	7.47'	10.53'	6.75'	11.25'	02°34'41.9"	06°27'46.7"
46+25.00	25.00'	20.75'	29.25'	18.70'	31.17'	07°09'43.1"	13°37'29.8"
46+41.00	16.00'	13.28'	18.72'	11.99'	19.98'	04°35'01.2"	18°12'31.0"
46+46.26	5.26'	4.37'	6.15'	3.94'	6.57'	01°30'24.8"	19°42'55.8"
46+50.00	3.74'	3.10'	4.39'	2.80'	4.67'	01°04'17.2"	20°47'13.0"
46+75.00	25.00'	20.75'	29.25'	18.70'	31.17'	07°09'43.1"	27°56'56.1"
46+91.00	16.00'	13.28'	18.72'	11.99'	19.98'	04°35'01.2"	32°31'57.3"
47+00.00	9.00'	7.47'	10.53'	6.75'	11.25'	02°34'41.9"	35°06'39.2"
47+25.00	25.00'	20.75'	29.25'	18.70'	31.17'	07°09'43.1"	42°16'22.3"
47+34.52	9.52'	7.90'	11.14'	7.14'	11.90'	02°43'38.2"	45°00'00"
TOTAL	157.08'	130.38'	183.78'				

Defl./ft.= 17.188734 min.

℄ CURVE DATA

Δ=90°22'57"L D= 57° 17' 44.8" R= 100.00' L= 157.75' T= 100.67' E= 41.9'

CURVE DATA BASED ON ℄ radius Δ/2= 45° 11' 28.5"

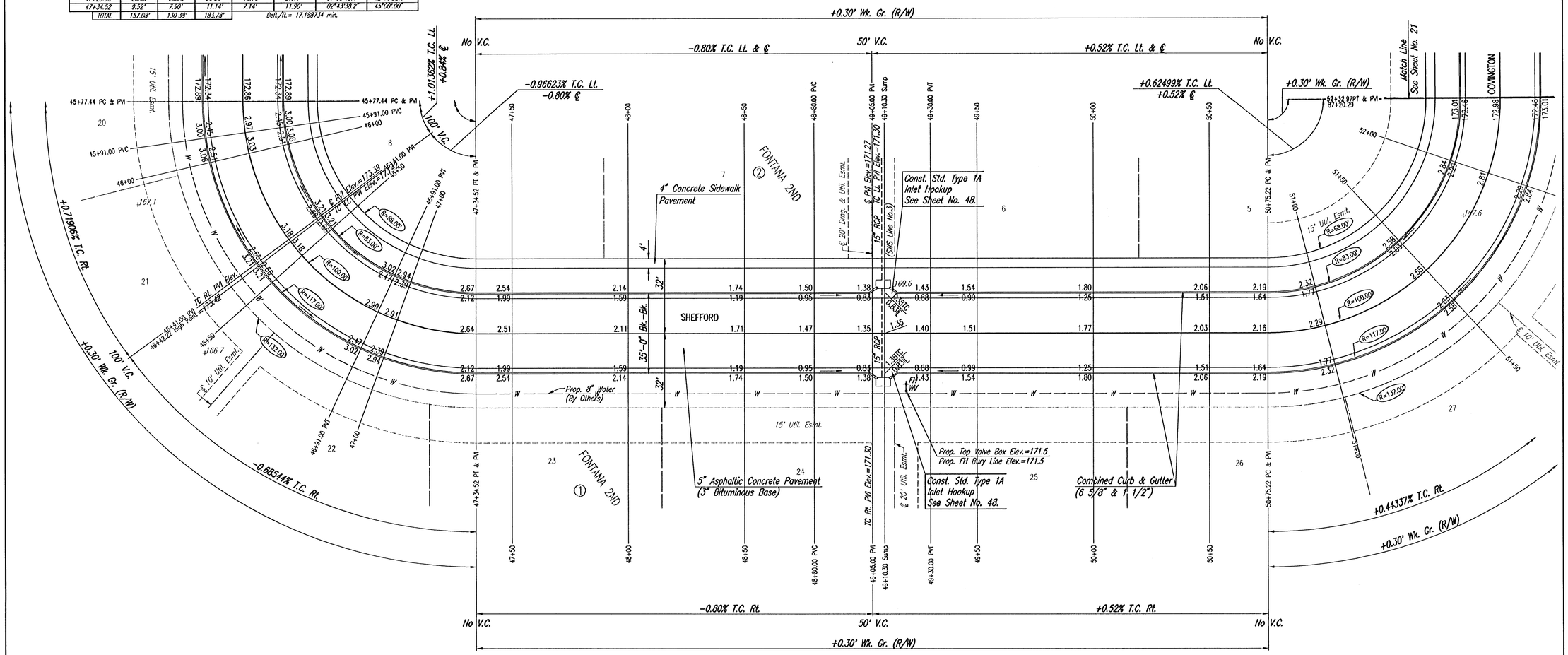
℄ STATION	℄ ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE	℄ TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB		
50+75.22						0°00'00.0"	0°00'00.0"
51+00.00	24.78'	20.57'	28.99'	18.54'	30.90'	07°05'56.2"	07°05'56.2"
51+25.00	25.00'	20.75'	29.25'	18.70'	31.17'	07°09'43.1"	14°15'39.4"
51+50.00	25.00'	20.75'	29.25'	18.70'	31.17'	07°09'43.1"	21°25'22.5"
51+75.00	25.00'	20.75'	29.25'	18.70'	31.17'	07°09'43.1"	28°35'05.6"
52+00.00	25.00'	20.75'	29.25'	18.70'	31.17'	07°09'43.1"	35°44'48.7"
52+25.00	25.00'	20.75'	29.25'	18.70'	31.17'	07°09'43.1"	42°54'31.8"
52+32.97	7.97'	6.61'	9.32'	5.97'	9.36'	02°16'59.7"	45°11'28.5"
TOTAL	157.75'	130.93'	184.56'				

Defl./ft.= 17.188734 min.

WATER VALVE BOX ELEVATIONS

STREET	STATION	OFFSET	PROPOSED ELEVATION
SHEFFORD	49+19.52	25.0' Rt.	171.5

SCALE: 1"=20'



Saved: 08-13-2008 3:45:54 PM by BJS
Plotted: 08-13-2008 3:46:28 PM by BJS
Q:\2004\04485\000\STR46-52

No.	Revision	By	Date

FONTANA ADDITION–PHASE 1

SHEFFORD

STA. 45+77.44 TO STA. 52+32.97

JAMES L. ARMOUR, P.E.– CITY ENGINEER

CITY OF WICHITA PROJECT NO. 472-84086

BRIAN D. BOUTWELL LICENSED 10889 PROFESSIONAL ENGINEER
8/14/06

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
Drawn by	BJS	Date	September 2004