## ℄ CURVE DATA

Δ=10°44'8"L  D= 2° 51' 53.2"  R= 2000.00'  L= 374.74'  T= 187.92'  E= 8.81'

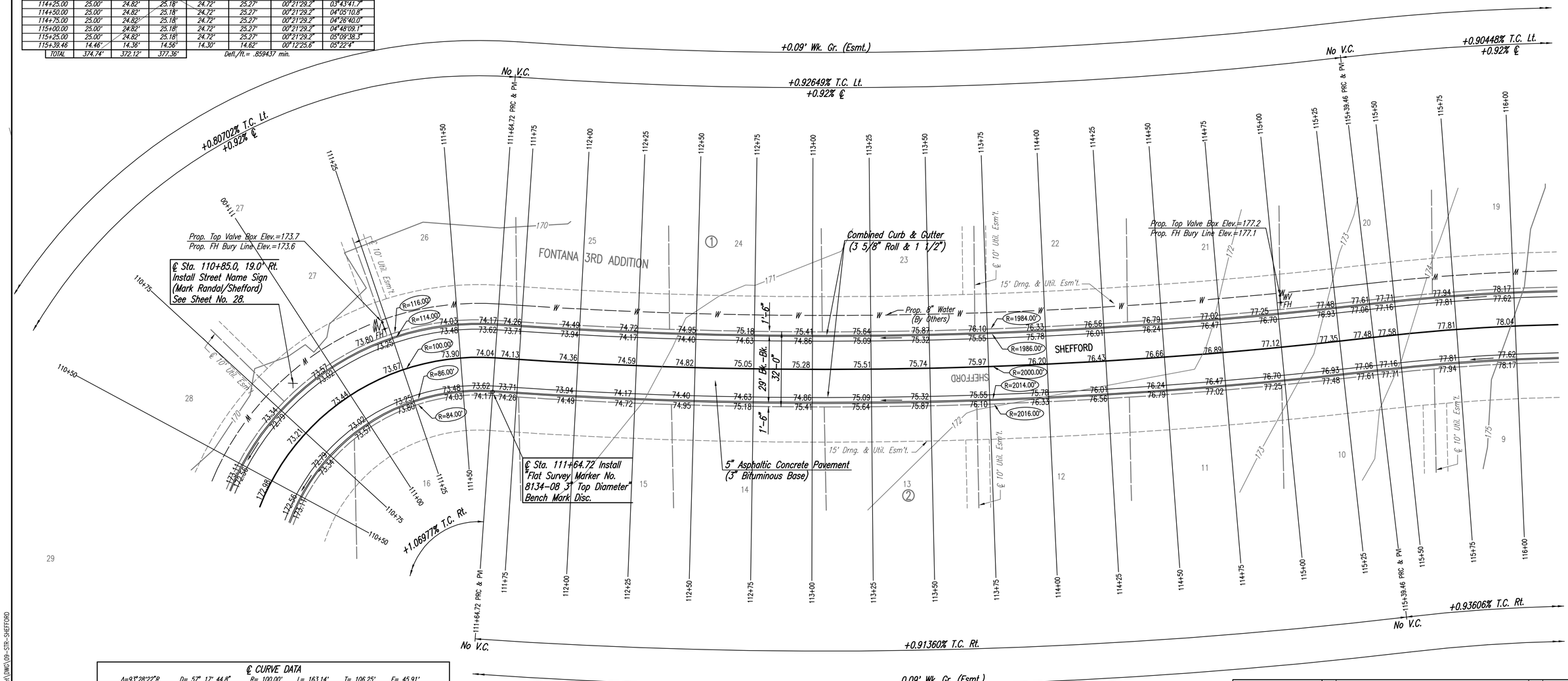
CURVE DATA BASED ON ℄ radius Δ/2= 5° 22' 4"

| ℄ 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 | | |
| 111+64.72 | | | | | | 0°00'00.0" | 0°00'00.0" |
| 111+75.00 | 10.28' | 10.21' | 10.35' | 10.17' | 10.39' | 00°08'50.1" | 00°08'50.1" |
| 112+00.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 00°30'19.3" |
| 112+25.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 00°51'48.4" |
| 112+50.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 01°13'17.6" |
| 112+75.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 01°34'46.7" |
| 113+00.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 01°56'15.9" |
| 113+25.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 02°17'45.0" |
| 113+50.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 02°39'14.2" |
| 113+75.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 03°00'43.4" |
| 114+00.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 03°22'12.5" |
| 114+25.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 03°43'41.7" |
| 114+50.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 04°05'10.8" |
| 114+75.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 04°26'40.0" |
| 115+00.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 04°48'09.1" |
| 115+25.00 | 25.00' | 24.82' | 25.18' | 24.72' | 25.27' | 00°21'29.2" | 05°09'38.3" |
| 115+39.46 | 14.46' | 14.36' | 14.56' | 14.30' | 14.62' | 00°12'25.6" | 05°22'4" |
| TOTAL | 374.74' | 372.12' | 377.36' | | | Defl/ft.= .859437 min. | |

## WATER VALVE BOX ELEVATIONS

| STREET | STATION | OFFSET | PROPOSED ELEVATION |
|---|---|---|---|
| SHEFFORD | ℄ Sta. 111+12.43 | 22.0' Lt. | 173.7 |
| SHEFFORD | ℄ Sta. 115+01.59 | 22.0' Lt. | 177.2 |
| | | | |

SCALE: 1"=20'




## ℄ CURVE DATA

Δ=93°28'22"R  D= 57° 17' 44.8"  R= 100.00'  L= 163.14'  T= 106.25'  E= 45.91'

CURVE DATA BASED ON ℄ radius Δ/2= 46° 44' 11"

| ℄ 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 | | |
| 110+01.58 | | | | | | 0°00'00.0" | 0°00'00.0" |
| 110+25.00 | 23.42' | 26.70' | 20.14' | 28.51' | 18.23' | 06°42'33.6" | 06°42'33.6" |
| 110+50.00 | 25.00' | 28.50' | 21.50' | 30.42' | 19.45' | 07°09'43.1" | 13°52'16.8" |
| 110+75.00 | 25.00' | 28.50' | 21.50' | 30.42' | 19.45' | 07°09'43.1" | 21°01'59.9" |
| 111+00.00 | 25.00' | 28.50' | 21.50' | 30.42' | 19.45' | 07°09'43.1" | 28°11'43.0" |
| 111+25.00 | 25.00' | 28.50' | 21.50' | 30.42' | 19.45' | 07°09'43.1" | 35°21'26.1" |
| 111+50.00 | 25.00' | 28.50' | 21.50' | 30.42' | 19.45' | 07°09'43.1" | 42°31'09.2" |
| 111+64.72 | 14.72' | 16.78' | 12.66' | 17.94' | 11.49' | 04°13'01.1" | 46°44'11.1" |
| TOTAL | 163.14' | 185.98' | 140.3' | | | Defl/ft.= 12.188734 min. | |

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 3RD ADDITION

# MARK RANDAL/SHEFFORD

STA. 110+50 TO STA. 116+00

JAMES L. ARMOUR, P.E.- CITY ENGINEER

CITY OF WICHITA PROJECT NO. 472-84091


Professional Engineering Consultants, P.A.

303 S. TOPEKA • WICHITA, KANSAS 67202

316-262-2691 • FAX 316-262-3003


| | | | |
|---|---|---|---|
| Designed by | BDB, BMM | Job No. | 35-06611-000 |
| Drawn by | BJS, TAT, BMM | Date | November 2006 |

Sheet 9 of 58


Saved: 06-05-2007 6:35:08 AM by BJS
Plotted: 6-5-2007 6:36:08 AM by REJ
J:\SENTOUT\2006\06611\2007-06-05 to Wichita\Street\DWG\09-STR-SHEFFORD