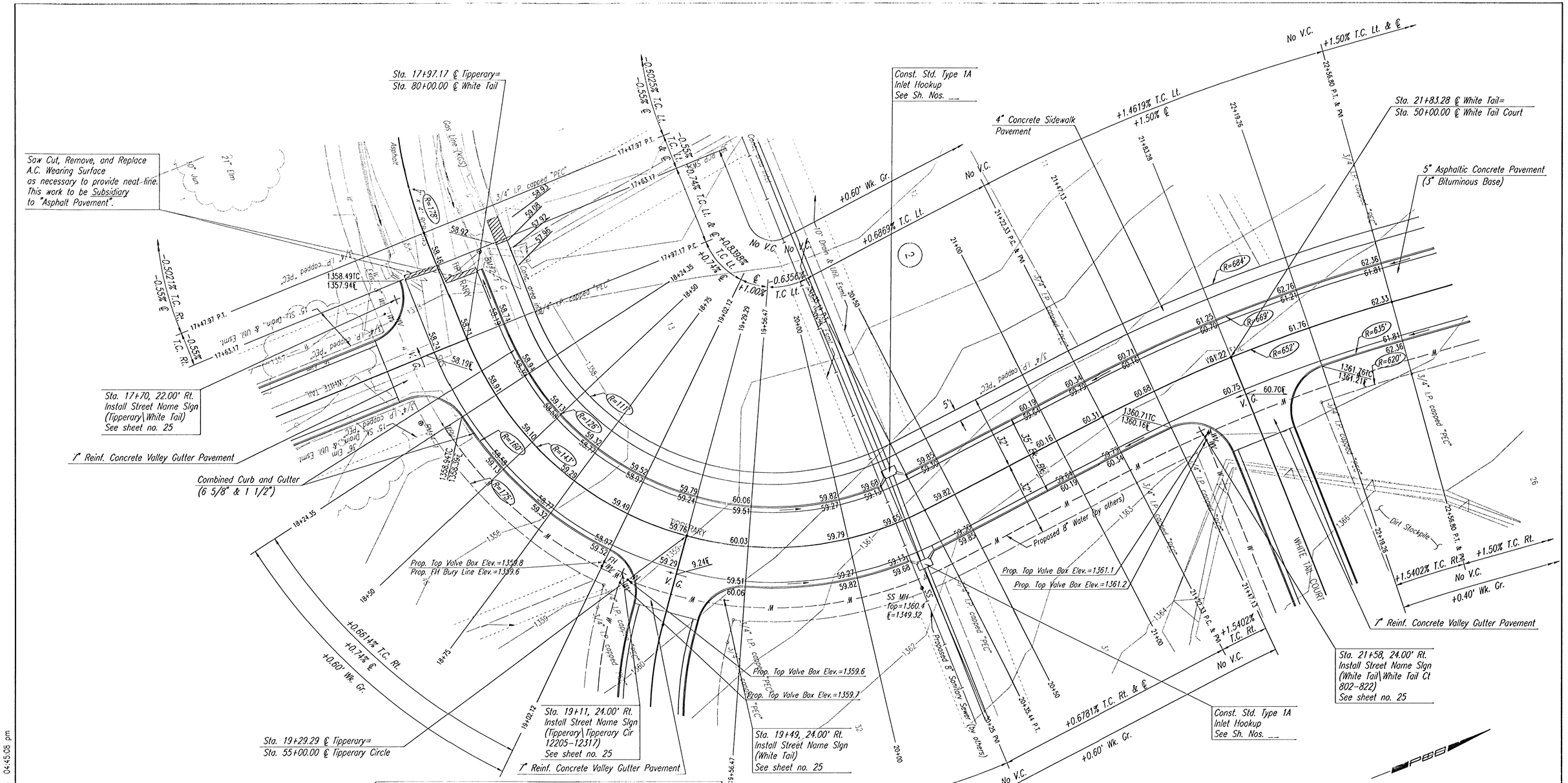


## ℄ CURVE DATA

Δ=74°00'11.76"L D= 32° 11' 19.1" R= 178.00' L= 229.9' T= 134.14' E= 44.88'

CURVE DATA BASED ON ℄ radius Δ/2= 37° 00' 05.9"

| ℄ 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 | | |
| 15+18.07 | | | | | | 0°00'00.0" | 0°00'00.0" |
| 15+25.00 | 6.93' | 6.27' | 7.59' | 6.53' | 8.66' | 0°06'55.2" | 0°06'55.2" |
| 15+50.00 | 25.00' | 22.61' | 27.39' | 23.52' | 31.20' | 04°01'24.9" | 05°08'20.1" |
| 15+75.00 | 25.00' | 22.61' | 27.39' | 23.52' | 31.20' | 04°01'24.9" | 09°09'45.0" |
| 16+00.00 | 25.00' | 22.61' | 27.39' | 23.52' | 31.20' | 04°01'24.9" | 13°11'09.9" |
| 16+25.00 | 25.00' | 22.61' | 27.39' | 23.52' | 31.20' | 04°01'24.9" | 17°12'34.8" |
| 16+50.00 | 25.00' | 22.61' | 27.39' | 23.52' | 31.20' | 04°01'24.9" | 21°13'59.7" |
| 16+75.00 | 25.00' | 22.61' | 27.39' | 23.52' | 31.20' | 04°01'24.9" | 25°15'24.6" |
| 17+00.00 | 25.00' | 22.61' | 27.39' | 23.52' | 31.20' | 04°01'24.9" | 29°16'49.5" |
| 17+25.00 | 25.00' | 22.61' | 27.39' | 23.52' | 31.20' | 04°01'24.9" | 33°18'14.4" |
| 17+47.97 | 22.97' | 20.78' | 25.17' | 21.62' | 28.68' | 03°41'48.7" | 37°00'06" |
| TOTAL | 229.9' | 207.95' | 251.86' | | | Defl./ft.= 9.656592 min. | |

## ℄ CURVE DATA

Δ=95°28'00"L D= 40° 04' 01.1" R= 143.00' L= 238.27' T= 157.34' E= 69.61'

CURVE DATA BASED ON ℄ radius Δ/2= 47° 44' 00"

| ℄ 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 | | |
| 17+97.17 | | | | | | 0°00'00.0" | 0°00'00.0" |
| 18+00.00 | 2.83' | 2.49' | 3.17' | 2.61' | 3.72' | 00°34'01" | 00°34'01" |
| 18+24.35 | 24.35' | 21.46' | 27.24' | 22.45' | 31.96' | 04°52'41.4" | 05°26'42.4" |
| 18+25.00 | 0.65' | 0.57' | 0.73' | 0.60' | 0.85' | 00°07'48.8" | 05°34'31.2" |
| 18+50.00 | 25.00' | 22.03' | 27.97' | 23.05' | 32.81' | 05°00'30.2" | 10°35'01.3" |
| 18+75.00 | 25.00' | 22.03' | 27.97' | 23.05' | 32.81' | 05°00'30.2" | 15°35'31.5" |
| 19+00.00 | 25.00' | 22.03' | 27.97' | 23.05' | 32.81' | 05°00'30.2" | 20°36'01.6" |
| 19+02.12 | 2.12' | 1.87' | 2.37' | 1.96' | 2.79' | 00°25'29.0" | 21°01'30.6" |
| 19+25.00 | 22.88' | 20.16' | 25.60' | 21.10' | 30.04' | 04°35'01.2" | 25°36'31.8" |
| 19+29.29 | 4.29' | 3.78' | 4.80' | 3.96' | 5.64' | 00°51'34.0" | 26°28'05.8" |
| 19+50.00 | 20.71' | 18.25' | 23.17' | 19.10' | 27.19' | 04°08'56.2" | 30°37'01.9" |
| 19+56.46 | 6.46' | 5.69' | 7.23' | 5.96' | 8.49' | 01°17'39.0" | 31°54'40.9" |
| 19+75.00 | 18.54' | 16.34' | 20.74' | 17.10' | 24.35' | 03°42'51.2" | 35°37'32.1" |
| 20+00.00 | 25.00' | 22.03' | 27.97' | 23.05' | 32.81' | 05°00'30.2" | 40°38'02.3" |
| 20+25.00 | 25.00' | 22.03' | 27.97' | 23.05' | 32.81' | 05°00'30.2" | 45°38'32.4" |
| 20+35.44 | 10.44' | 9.20' | 11.68' | 9.63' | 13.72' | 02°05'29.4" | 47°44'00.1" |
| TOTAL | 238.27' | 209.94' | 266.59' | | | Defl./ft.= 12.020094 min. | |

## ℄ CURVE DATA

Δ=11°49'00"R D= 8° 47' 15.7" R= 652.00' L= 134.47' T= 67.47' E= 3.48'

CURVE DATA BASED ON ℄ radius Δ/2= 5° 54' 30"

| ℄ 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 | | |
| 21+22.33 | | | | | | 0°00'00.0" | 0°00'00.0" |
| 21+25.00 | 2.67' | 2.74' | 2.60' | 2.70' | 2.50' | 00°07'02.3" | 00°07'02.3" |
| 21+47.13 | 22.13' | 22.71' | 21.55' | 22.38' | 20.73' | 00°58'20.5" | 01°05'22.8" |
| 21+50.00 | 2.87' | 2.94' | 2.80' | 2.90' | 2.69' | 00°07'34.0" | 01°12'56.8" |
| 21+75.00 | 25.00' | 25.65' | 24.35' | 25.28' | 23.41' | 01°05'54.5" | 02°18'51.3" |
| 21+83.28 | 8.28' | 8.50' | 8.06' | 8.37' | 7.75' | 00°21'49.7" | 02°40'41.0" |
| 22+00.00 | 16.72' | 17.16' | 16.28' | 16.91' | 15.66' | 00°44'04.7" | 03°24'45.7" |
| 22+19.26 | 19.26' | 19.76' | 18.76' | 19.48' | 18.04' | 00°50'46.5" | 04°15'32.3" |
| 22+25.00 | 5.74' | 5.89' | 5.59' | 5.80' | 5.38' | 00°15'07.9" | 04°30'40.2" |
| 22+50.00 | 25.00' | 25.65' | 24.35' | 25.28' | 23.41' | 01°05'54.5" | 05°36'34.7" |
| 22+56.8 | 6.80' | 6.98' | 6.62' | 6.87' | 6.37' | 00°17'55.6" | 05°54'30.0" |
| TOTAL | 134.47' | 137.37' | 130.96' | | | Defl./ft.= 2.636309 min. | |

| No. | Revision | By | Date |
|---|---|---|---|
| | | | |

CITY OF WICHITA, KANSAS
NEIL D. CABLE, P.E.– CITY ENGINEER
BALTHROP 4TH ADDITION – PHASE 2

# WHITE TAIL/TIPPERARY

**STA. 17+64.91 TO STA. 22+56.80**

CITY OF WICHITA PROJECT NO. 472-83469

**P**rofessional **E**ngineering **C**onsultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

| | | | |
|---|---|---|---|
| Designed by | BER | Job No. | 35-02608-0 |
| Drawn by | JGA | Date | January 2003 |

Sht. 6 of 43

DSNR: BER OPER: JGA SCALE: 1=20.00
Q:\2002\02608\000\TIPP W TAIL 17-22 02-10-2003 04:45:06 pm