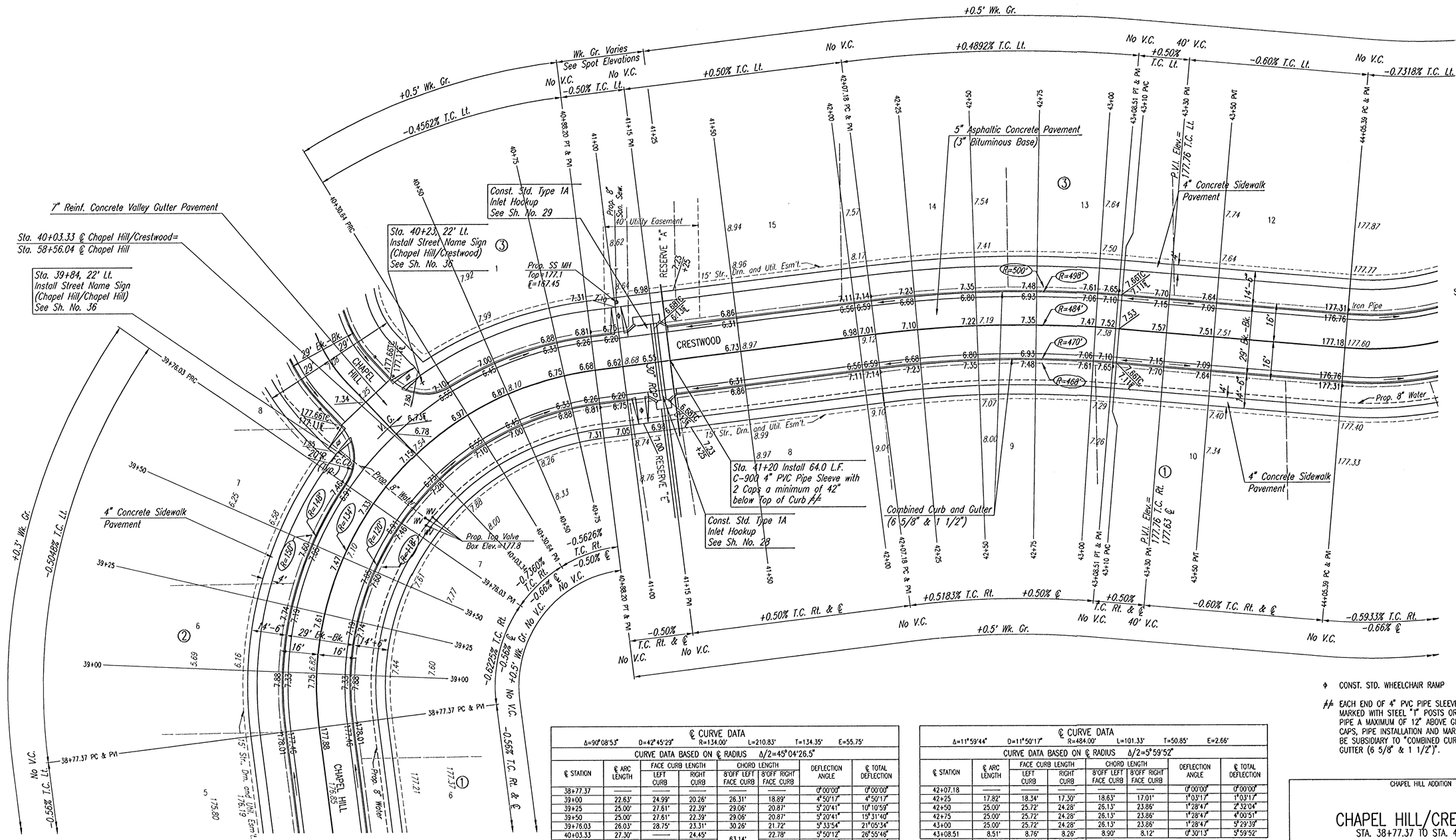
| WATER VALVE BOX ELEVATIONS | | | |
|---|---|---|---|
| STREET | STATION | OFFSET | PROPOSED ELEVATION |
| CHAPEL HILL/CRESTWOOD | 39+76.5 | 23.0' Rt. | 177.8 |
| CHAPEL HILL/CRESTWOOD | 39+78.75 | 21.0' Rt. | 177.8 |
| CHAPEL HILL/CRESTWOOD | 39+80.9 | 23.0' Rt. | 177.8 |

| PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|
| 472-76-245-83077-000-000-001 | 8 | 60 |




◆ CONST. STD. WHEELCHAIR RAMP

⧣⧣ EACH END OF 4" PVC PIPE SLEEVE SHALL BE MARKED WITH STEEL "I" POSTS OR 2"◆ STEEL PIPE A MAXIMUM OF 12" ABOVE GRADE. PIPE, CAPS, PIPE INSTALLATION AND MARKERS SHALL BE SUBSIDIARY TO "COMBINED CURB AND GUTTER (6 5/8" & 1 1/2")".

## ℄ CURVE DATA

Δ=90°08'53" D=42°45'29" R=134.00' L=210.83' T=134.35' E=55.75'

CURVE DATA BASED ON ℄ RADIUS Δ/2=45°04'26.5"

| ℄ 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 |
|---|---|---|---|---|---|---|---|
| 38+77.37 | ——— | ——— | ——— | ——— | ——— | 0°00'00" | 0°00'00" |
| 39+00 | 22.63' | 24.99' | 20.26' | 26.31' | 18.89' | 4°50'17" | 4°50'17" |
| 39+25 | 25.00' | 27.61' | 22.39' | 29.06' | 20.87' | 5°20'41" | 10°10'59" |
| 39+50 | 25.00' | 27.61' | 22.39' | 29.06' | 20.87' | 5°20'41" | 15°31'40" |
| 39+76.03 | 26.03' | 28.75' | 23.31' | 30.26' | 21.72' | 5°33'54" | 21°05'34" |
| 40+03.33 | 27.30' | ——— | 24.45' | 63.14' | 22.78' | 5°50'12" | 26°55'46" |
| 40+30.64 | 27.31' | ——— | 24.46' | | 22.79' | 5°50'19" | 32°46'05" |
| 40+50 | 19.36' | 21.38' | 17.34' | 22.52' | 16.17' | 4°08'21" | 36°54'26" |
| 40+75 | 25.00' | 27.61' | 22.39' | 29.06' | 20.87' | 5°20'41" | 42°15'07" |
| 40+88.20 | 13.20' | 14.58' | 11.82' | 15.36' | 11.03' | 2°49'19" | 45°04'26.5" |
| TOTAL | 210.83' | 172.53' | 188.81' | Defl./ft.=12.827594 min. | | | |

## ℄ CURVE DATA

Δ=11°59'44" D=11°50'17" R=484.00' L=101.33' T=50.85' E=2.66'

CURVE DATA BASED ON ℄ RADIUS Δ/2=5°59'52"

| ℄ 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 |
|---|---|---|---|---|---|---|---|
| 42+07.18 | ——— | ——— | ——— | ——— | ——— | 0°00'00" | 0°00'00" |
| 42+25 | 17.82' | 18.34' | 17.30' | 18.63' | 17.01' | 1°03'17" | 1°03'17" |
| 42+50 | 25.00' | 25.72' | 24.28' | 26.13' | 23.86' | 1°28'47" | 2°32'04" |
| 42+75 | 25.00' | 25.72' | 24.28' | 26.13' | 23.86' | 1°28'47" | 4°00'51" |
| 43+00 | 25.00' | 25.72' | 24.28' | 26.13' | 23.86' | 1°28'47" | 5°29'39" |
| 43+08.51 | 8.51' | 8.76' | 8.26' | 8.90' | 8.12' | 0°30'13" | 5°59'52" |
| TOTAL | 101.33' | 104.26' | 98.40' | Defl./ft.=3.551433 min. | | | |

CHAPEL HILL ADDITION

# CHAPEL HILL/CRESTWOOD

STA. 38+77.37 TO STA. 44+05.39


Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2091 • FAX 316-262-3003


| Designed by | BER, GDO | Checked by | |
|---|---|---|---|
| Drawn by | DEP, SAD | Date JANUARY, 2001 | Job No. 99127 |

8

DSNR: GDO OPER: DEP SCALE: 1=20.00
G:\1999\99127\000\SIR-39-44 06-12-2002 09:32:28 am