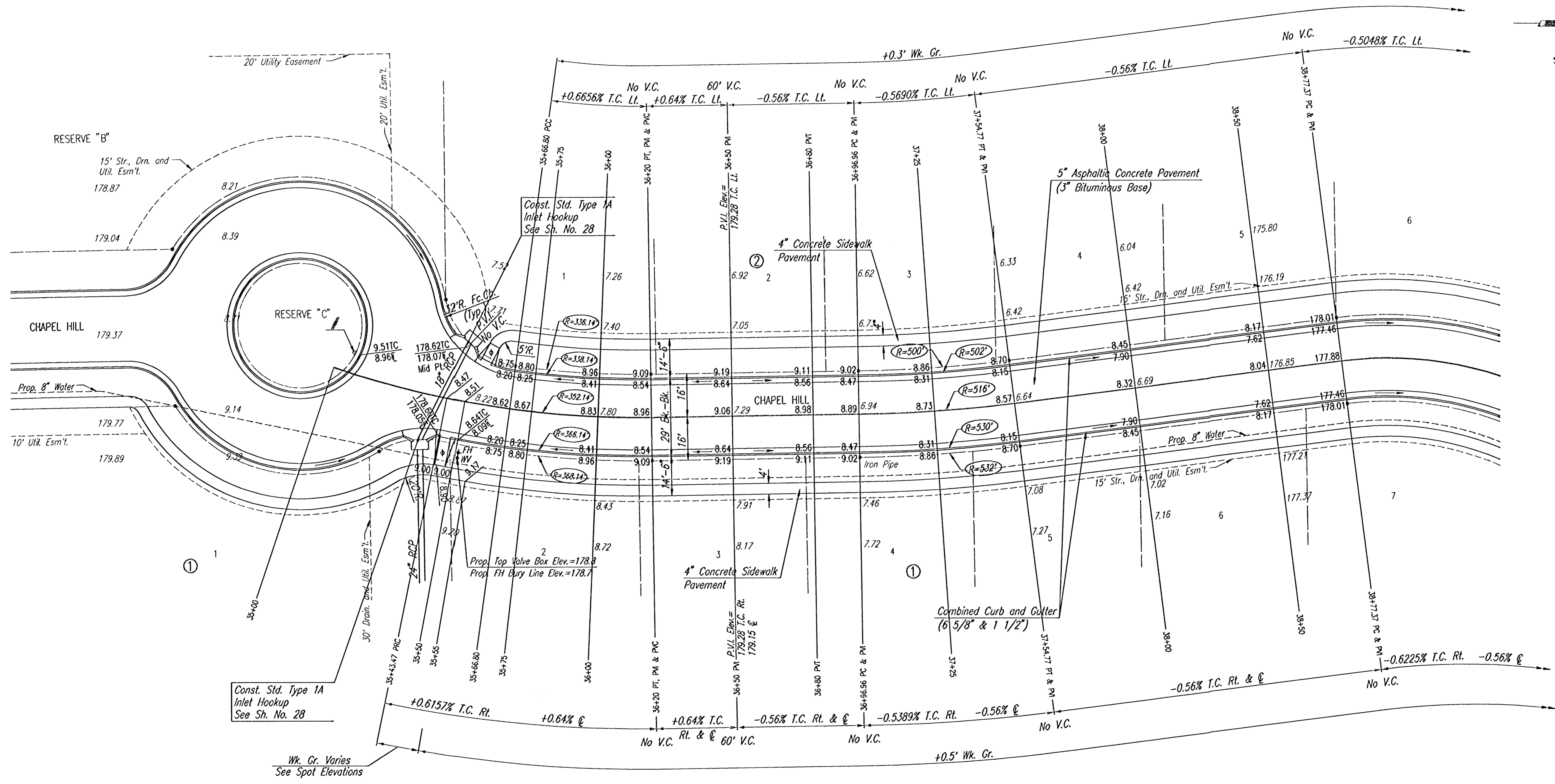


WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
CHAPEL HILL	30+51	21.0' RL	178.8

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-83077-000-001	7	60



SCALE: 1"=20'

**⊙ CURVE DATA**  
 $\Delta=19^{\circ}31'29''$   $D=18'16'14''$   $R=352.14'$   $L=120.00'$   $T=60.59'$   $E=5.17'$   
 CURVE DATA BASED ON  $\odot$  RADIUS  $\Delta/2=9^{\circ}45'44.5''$

⊙ 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		
35+00						0°00'00"	0°00'00"
35+43.47	43.47'			46.16'	6.94'	3°32'11"	3°32'11"
35+50	6.53'		6.79'	62.53'	6.94'	0°31'52"	4°04'04"
35+66.80	16.80'		17.47'		17.85'	1°22'00"	5°26'04"
35+75	8.20'	7.87'	8.53'	7.69'	8.71'	0°40'02"	6°06'05"
36+00	25.00'	24.01'	25.99'	23.43'	26.56'	2°02'02"	8°08'07"
26+20	20.00'	19.20'	20.80'	18.75'	21.24'	1°37'37"	9°45'44.5"
TOTAL	120.00'	51.08'	79.58'				

Defl./Lt.=4.881181 min.

**⊙ CURVE DATA**  
 $\Delta=6^{\circ}25'08''$   $D=11^{\circ}06'14''$   $R=516.00'$   $L=57.81'$   $T=28.93'$   $E=0.81'$   
 CURVE DATA BASED ON  $\odot$  RADIUS  $\Delta/2=3^{\circ}12'34''$

⊙ 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		
36+96.96						0°00'00"	0°00'00"
37+00	3.04'	2.96'	3.12'	2.91'	3.17'	0°10'08"	0°10'08"
37+25	25.00'	24.32'	25.68'	23.93'	26.06'	1°23'17"	1°33'24"
37+50	25.00'	24.32'	25.68'	23.93'	26.06'	1°23'17"	2°56'41"
37+54.77	4.77'	4.64'	4.90'	4.56'	4.97'	0°15'53"	3°12'34"
TOTAL	57.81'	56.24'	59.38'				

Defl./Lt.=3.331027 min.

◆ CONST. STD. WHEELCHAIR RAMP  
 # SEE SH. NO. 36 FOR SIGNING NOTES AND DETAILS

CHAPEL HILL ADDITION

## CHAPEL HILL

STA. 35+00.00 TO STA. 38+77.37

**Professional Engineering Consultants, P.A.**  
 303 S. TOPEKA • WICHITA, KANSAS 67202  
 316-262-2691 • FAX 316-262-3003

Designed by	BER, GDD	Checked by	
Drawn by	DEP, SAD	Date	JANUARY, 2001
		Job No.	99127

DSNR: GDD OPER: DEP SCALE: 1"=20.00  
 O:\1999\99127\000\STR-35-39\_06-12-2002\_08:56:53 am