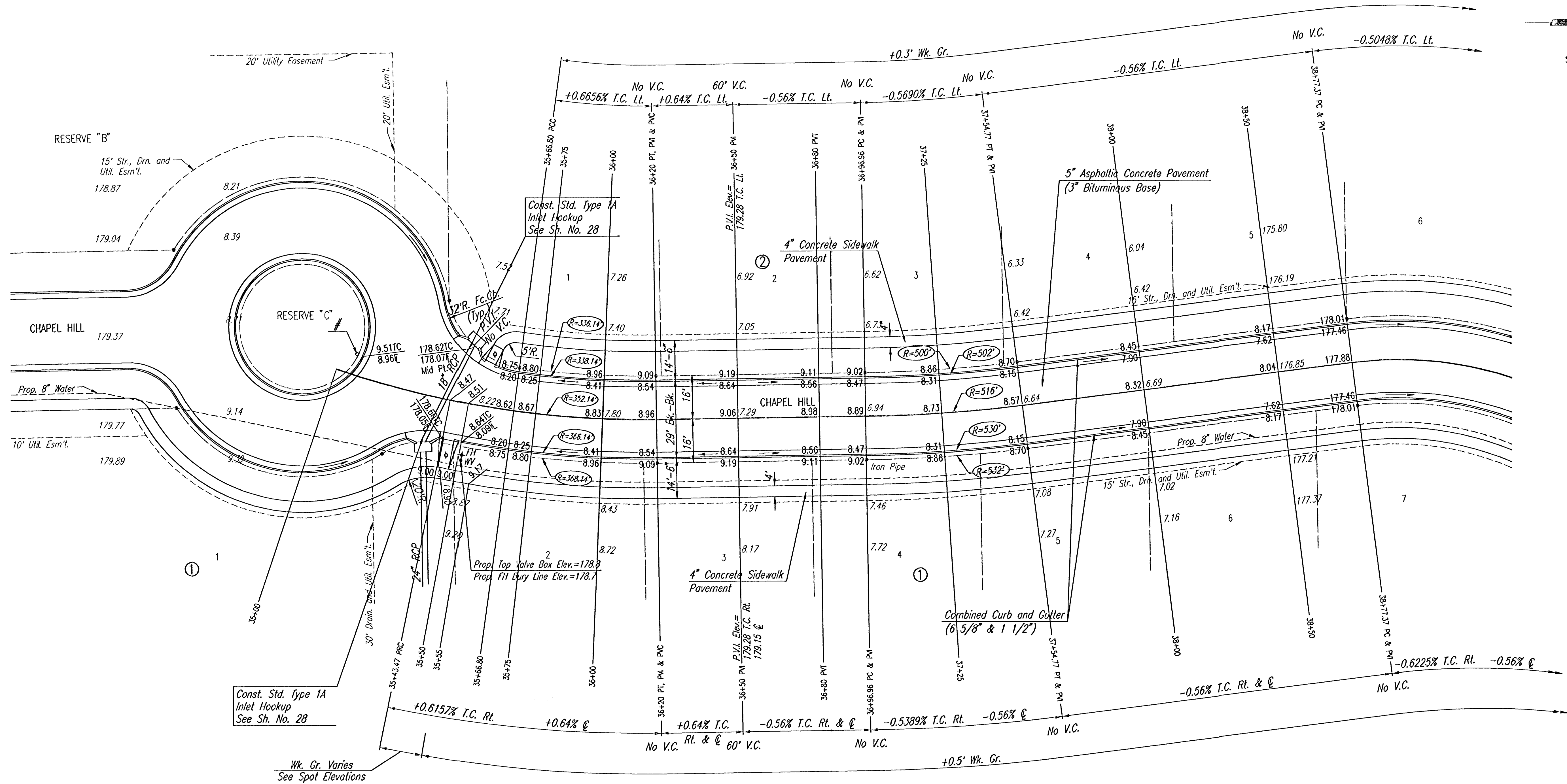


WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
CHAPEL HILL	30+51	21.0' Rt.	178.8

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



SCALE: 1"=20'

C CURVE DATA							
$\Delta=19^{\circ}31'29"$		$D=18^{\circ}16'14"$		$R=352.14'$	$L=120.00'$	$T=60.59'$	$E=5.17'$
CURVE DATA BASED ON $\Delta/2$ 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'	3°32'11"	3°32'11"
35+50	6.53'	—	8.79'	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.			

C 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 Δ RADIUS $\Delta/2=3^{\circ}12'34''$							
C STATION	C ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE	C 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, GOD
Checked by
Drawn by DEP, SAD
Date JANUARY, 2001
Job No. 99127

DSNR: GDD OPER: DEP SCALE: 1"=20.00
0:\1999\99127\000\STR-35-39 06-12-2002 08:56:53 am