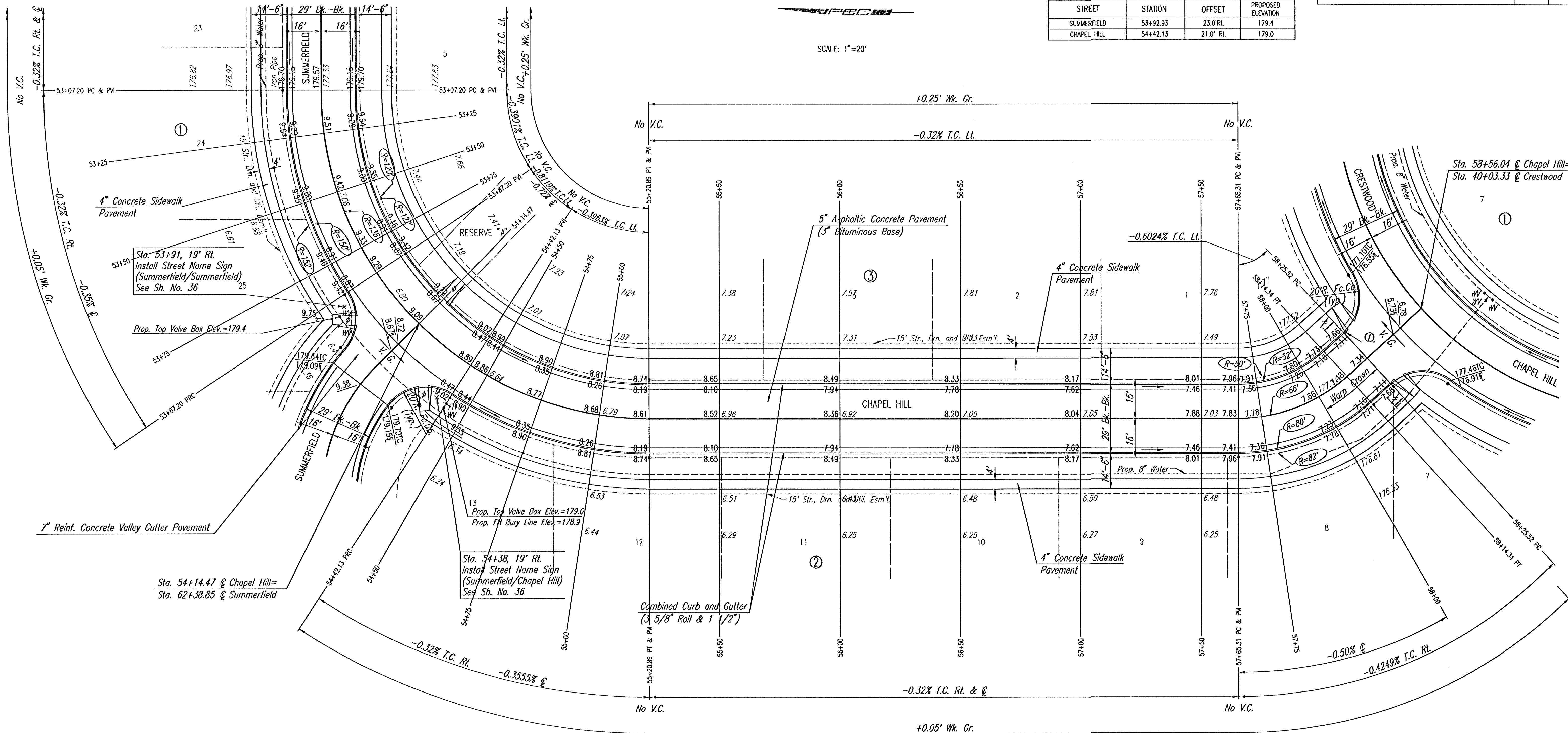


WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
SUMMERFIELD	53+92.93	23.0' RT.	179.4
CHAPEL HILL	54+42.13	21.0' RT.	179.0

SCALE: 1"=20'



C CURVE DATA						
$\Delta=90^{\circ}01'45''$		$D=42^{\circ}07'45''$		$R=136.00'$	$L=213.69'$	$T=136.07'$
				$E=56.38'$		
CURVE DATA BASED ON C RADIUS $\Delta/2=45^{\circ}00'52.5''$						
C STATION	C ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB	C TOTAL DEFLECTION
53+07.20	—	—	—	—	—	0°00'00"
53+25	17.80'	15.97'	19.63'	14.91'	20.67'	3°44'59"
53+50	25.00'	22.43'	27.57'	20.93'	29.00'	9°00'58"
53+75	25.00'	22.43'	27.57'	20.93'	29.00'	14°16'56"
53+87.20	12.20'	10.94'	13.46'	10.22'	14.17'	2°34'12"
54+14.47	27.27'	24.46'	—	22.82'	63.38'	22°35'49"
54+42.13	27.66'	24.81'	—	23.15'	—	28°25'25"
54+50	7.87'	7.06'	8.68'	6.60'	9.14'	1°39'28"
54+75	25.00'	22.43'	27.57'	20.93'	29.00'	35°20'52"
55+00	25.00'	22.43'	27.57'	20.93'	29.00'	40°36'51"
55+20.89	20.89'	18.74'	23.04'	17.49'	24.25'	4°24'02"
TOTAL	213.69'	191.70'	175.09'	Defl./Lt.=12.639220 min.		

NOTE: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

C CURVE DATA							
$\Delta=42^{\circ}33'29''$		$D=86^{\circ}48'42''$		$R=66.00'$	$L=49.03'$	$T=25.70'$	$E=4.83'$
CURVE DATA BASED ON C RADIUS $\Delta/2=21^{\circ}16'44.5''$							
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		
57+65.31						0°00'00"	0°00'00"
57+75	9.69'	7.63'	11.74'	6.45'	12.91'	4°12'20"	4°12'20"
58+00	25.00'	19.70'	30.30'	16.56'	33.13'	10°51'00"	15°03'20"
58+14.34	14.34'	11.29'	17.38'	9.54'	19.08'	6°13'25"	21°16'44.5"
TOTAL	49.03'	38.62'	59.42'	Defl./Lt.=26.040010 min.			

- CONST. STD. WHEELCHAIR RAMP
- 5' TRANSITION FROM COMBINED CURB AND GUTTER (3 5/8" ROLL & 1 1/2") TO MONOLITHIC EDGE CURB (6 5/8"). TO BE BID AND PAID FOR AS "COMBINED CURB AND GUTTER (3 5/8" ROLL & 1 1/2)".
- STA. 58+25 INSTALL "FLAT SURVEY MARKER NO. 8134-08 3" TOP DIAMETER BENCH MARK DISC

CHAPEL HILL ADDITION

SUMMERFIELD/CHAPEL HILL
STA. 53+07.20 TO STA. 58+56.04

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