

DSNR: DEP. OPER. SAD SCALE: 1"=20.00
Q:\2001\01545\000\BRACKENCIR 03-13-2002 04:02:26 pm

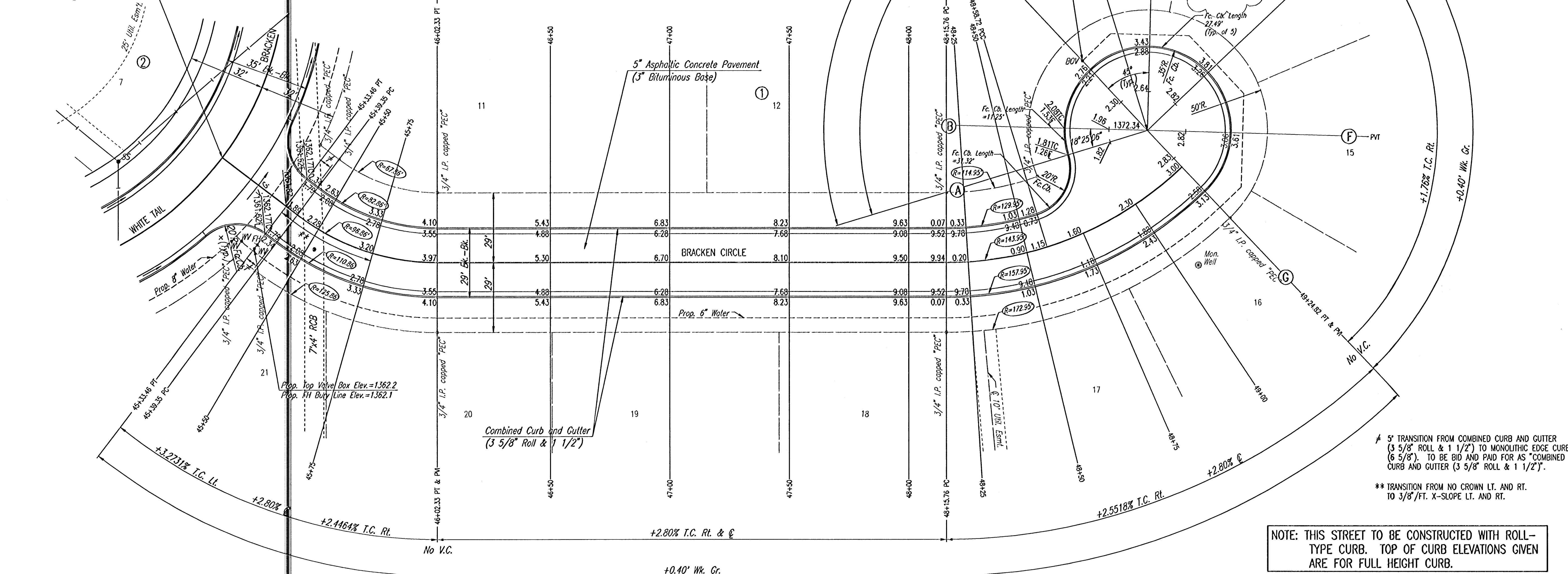
SCALE: 1"=20'

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
BRACKEN CIRCLE	45+33.46	22.0' RL	1362.2
BRACKEN CIRCLE	49+24.83	60.75' LT.	1372.7

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83468	12	55

Sta. 45+00.00 @ Bracken Circle=
Sta. 24+97.07 @ Bracken

Sta. 49+24.82 @ Bracken Circle, 21' Lt.=
Ctr. Cul-de-sac



5' TRANSITION FROM COMBINED CURB AND GUTTER
(3 5/8\"/>

** TRANSITION FROM NO CROWN LT. AND RT.
TO 3/8\"/>

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

C CURVE DATA							
$\Delta=37^{\circ}15'10''$		$D=59^{\circ}09'11''$		$R=96.86$		$L=62.98' \quad T=32.65' \quad E=5.35'$	
CURVE DATA BASED ON C				RADIUS $\Delta/2=18^{\circ}37'35''$			
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		
45+39.35	—					$0^{\circ}00'00''$	$0^{\circ}00'00''$
45+50	10.65'	9.31'	12.19'	8.23'	13.06'	$3^{\circ}09'00''$	
45+75	25.00'	21.84'	28.61'	19.27'	30.59'	$7^{\circ}23'39''$	$10^{\circ}32'39''$
46+00	25.00'	21.84'	28.61'	19.27'	30.59'	$7^{\circ}23'39''$	$17^{\circ}56'18''$
46+102.33	2.33'	2.03'	2.66'	1.80'	2.88'	$0^{\circ}41'17''$	$18^{\circ}37'35''$
TOTAL	62.98'	55.02'	72.08'	Def. (L)/1.411228 min.			

Defl./Lt.=17.444218 min.

C CURVE DATA						
$\Delta=43^{\circ}24'35''$		$D=39^{\circ}48'09''$		$R=143.95'$	$L=109.06'$	$T=57.30'$
$E=10.98'$						
CURVE DATA BASED ON C RADIUS $\Delta/2=21^{\circ}42'17.5''$						
STATION	ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		DEFLECTION ANGLE
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB	
48+15.76	—	—	—	—	—	0°00'00"
48+25	9.24'	8.42'	10.14'	7.83'	10.65'	1°50'20"
48+50	25.00'	22.78'	27.43'	21.15'	28.78'	4°58'31"
48+58.72	8.72'	7.95'	9.57'	7.39'	10.05'	1°44'07"
48+75	16.28'	14.84'	17.86'	13.78'	18.76'	3°14'24"
49+00	25.00'	22.78'	27.43'	21.15'	28.78'	4°58'31"
49+24.82	24.82'	22.62'	27.24'	21.00'	28.58'	4°56'24"
TOTAL	109.06'	99.40'	119.67'	Def./It.=11.562780 min.		

Defl./Lt.=11.562780 min.

BALTHROP 4TH ADDITION

BRACKEN CIRCLE
STA. 45+00.00 TO STA. 49+24.82



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Designed by	BER	Checked by	
Drawn by	DEP	Date	FEB. 2002
		Job No.	01545