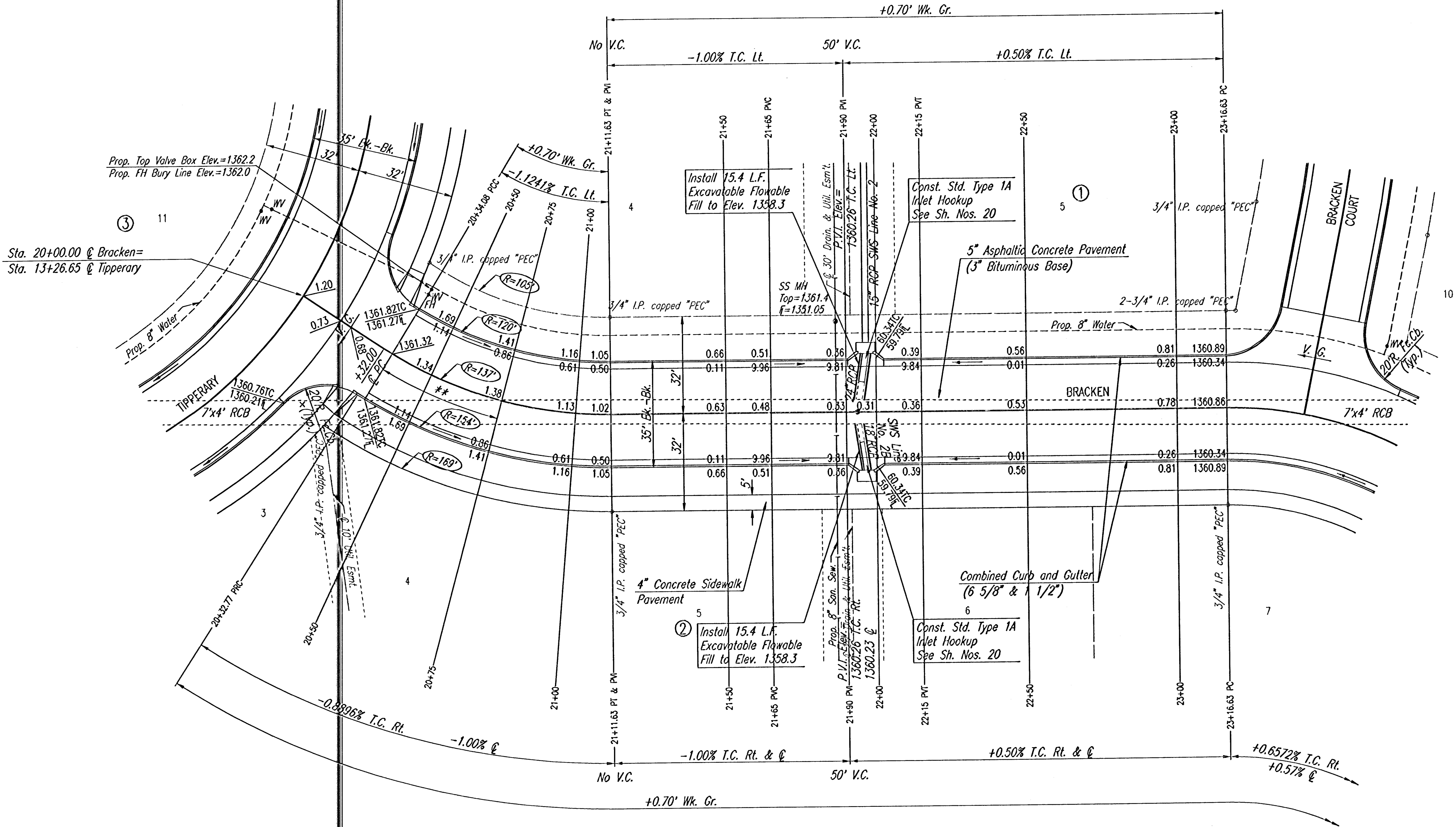


WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
BRACKEN	20+34.76	25.0' Lt.	1362.2

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83468	8	55

SCALE: 1"=20'



** TRANSITION FROM NO CROWN LT. AND RT. TO 3/8\" X-SLOPE LT. AND RT.

CURVE DATA						
$\Delta=33^{\circ}18'15''$		$D=41^{\circ}49'18''$		$R=137'$	$L=79.63'$	$T=40.98'$
$E=6.00'$						
CURVE DATA BASED ON $\Delta/2$						
$\Delta/2=16^{\circ}39'07''$		FACE CURB LENGTH		CHORD LENGTH		DEFLECTION
$\angle$ STATION	$\angle$ ARC LENGTH	LEFT CURB	RIGHT CURB	8'OFF LEFT FACE CURB	8'OFF RIGHT FACE CURB	ANGLE
						$\angle$ TOTAL DEFLECTION
20+32						0°00'00"
20+32.77	0.77'	0.70'	0.85'	0.65'	0.89'	0°09'39"
20+34.08	1.31'	1.19'	1.44'	1.10'	1.52'	0°16'26"
20+50	15.92'	14.44'	17.55'	13.38'	18.47'	3°19'44"
20+75	25.00'	22.68'	27.55'	20.98'	28.97'	5°13'40"
21+00	25.00'	22.68'	27.55'	20.98'	28.97'	5°13'40"
21+11.63	11.63'	10.56'	12.82'	9.76'	13.50'	2°25'58"
TOTAL	79.63'	72.25'	87.77'	Defl./TL=12.324916 min.		16°39'07"

Defl./lt.=12.324916 min.

BALTHROP 4TH ADDITION

BRACKEN
STA. 20+00.00 TO STA. 23+16.63

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 316-262-2691 • FAX 316-262-3003

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

DSNR: DEP OPER: S4D SCALE: 1"=20.00
01/2001/01545/000/BRACKEN/23 03-13-2002 04:05:35 pm