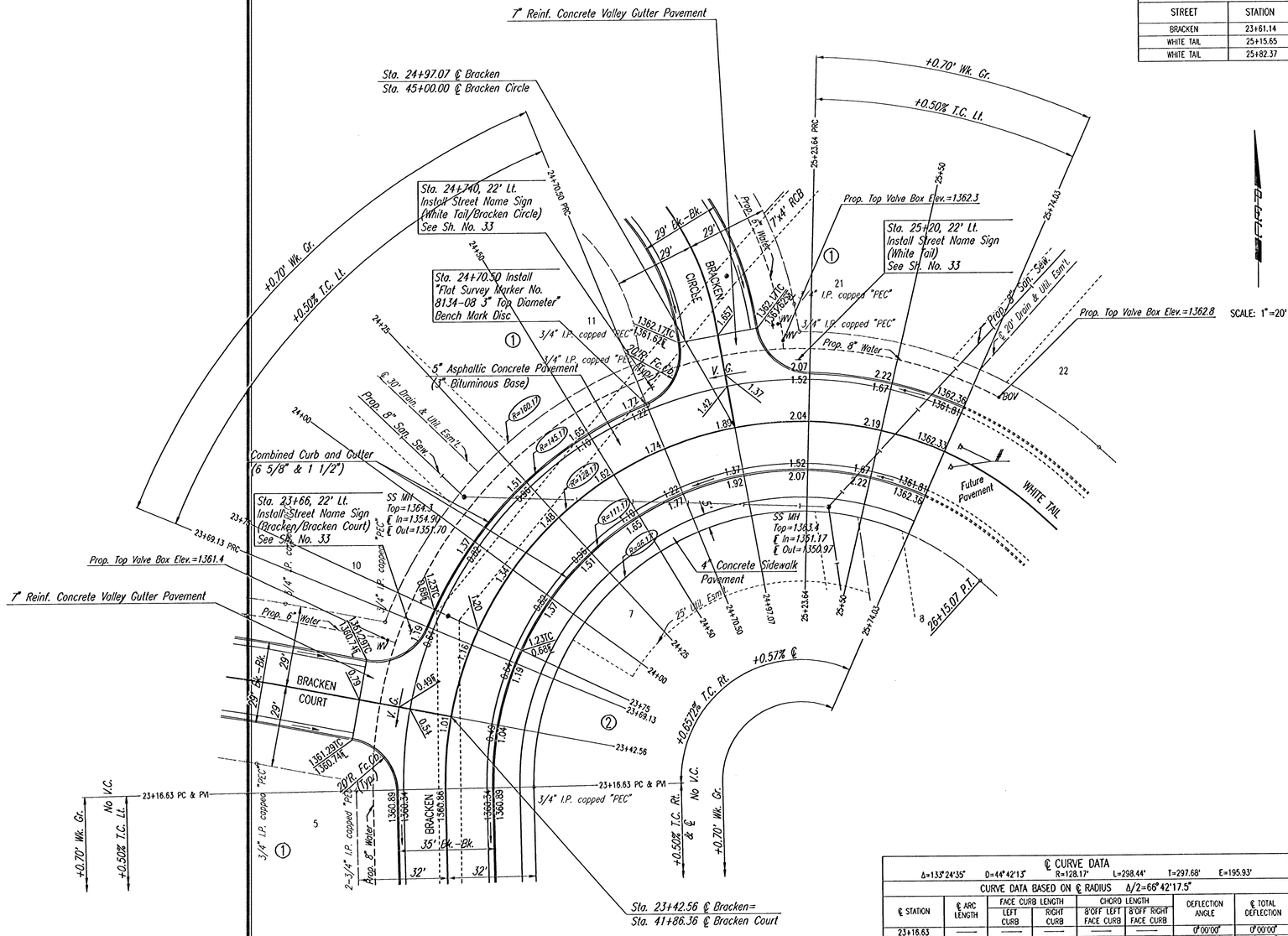
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83468	9	55

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
BRACKEN	23+61.14	29.0'LT.	1361.4
WHITE TAIL	25+15.65	29.0'LT.	1362.3
WHITE TAIL	25+82.37	26.0'LT.	1362.8



℄ CURVE DATA							
Δ=133°24'35"	D=44°42'13"	R=128.17'	L=298.44'	T=297.68'	E=195.93'		
CURVE DATA BASED ON ℄ RADIUS				Δ/2=66°42'17.5"			
℄ 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		
23+16.63	———	———	———	———	———	0°00'00"	0°00'00"
23+25	8.37'	9.28'	7.46'	9.80'	6.93'	1°52'15"	1°52'15"
23+42.56	17.56'	19.48'	15.64'	20.56'	14.53'	3°55'30"	5°47'45"
23+69.13	26.57'	29.47'	23.67'	31.07'	21.97'	5°56'20"	11°44'05"
23+75	5.87'	6.51'	5.23'	6.88'	4.86'	1°18'43"	13°02'48"
24+00	25.00'	27.73'	22.27'	29.24'	20.68'	5°35'16"	18°38'04"
24+25	25.00'	27.73'	22.27'	29.24'	20.68'	5°35'16"	24°13'20"
24+50	25.00'	27.73'	22.27'	29.24'	20.68'	5°35'16"	29°48'36"
24+70.50	20.50'	22.74'	18.26'	23.99'	16.96'	4°34'55"	34°23'31"
24+97.07	26.57'	29.47'	23.67'	31.07'	21.97'	5°56'20"	40°19'51"
25+23.64	26.57'	29.47'	23.67'	31.07'	21.97'	5°56'20"	46°16'11"
25+50	26.36'	29.24'	23.48'	30.83'	21.80'	5°53'31"	52°09'41"
25+74.03	24.03'	27.73'	22.27'	29.24'	20.68'	5°35'16"	57°44'58"
26+15.07	40.07'	44.44'	35.69'	46.75'	33.05'	8°57'19"	66°42'17.5"
TOTAL	298.44'	331.03'	265.84'	Delt./ft.=13.243855 min.			

SEE SH. NO. 33 FOR SIGNING NOTES AND DETAILS

BALTHROP 4TH ADDITION

BRACKEN
STA. 23+16.63 TO STA. 25+74.03

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

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

DSNR: DEP OPER: SAD SCALE: 1=20.00
C:\2001\01545\000\BRACKEN23-26 03-13-2002 04:05:10 pm