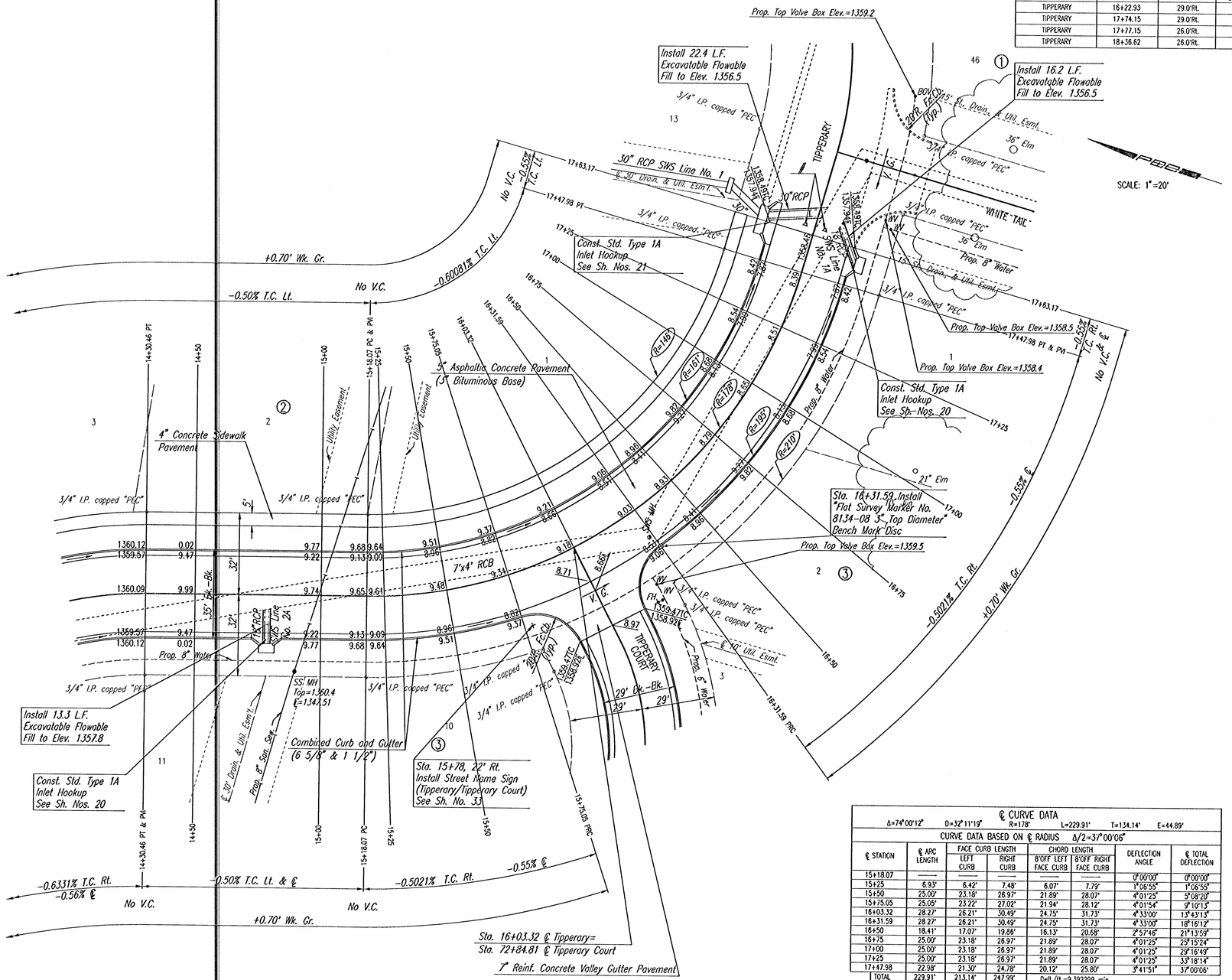
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83468	7	55

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
TIPPERARY	16+22.93	29.0'RT.	1359.5
TIPPERARY	17+74.15	29.0'RT.	1358.5
TIPPERARY	17+77.15	26.0'RT.	1358.4
TIPPERARY	18+36.62	26.0'RT.	1359.2



℄ CURVE DATA								
Δ=74°00'12" D=32°11'19" R=178' L=229.91' T=134.14' E=44.89'								
CURVE DATA BASED ON ℄ RADIUS Δ/2=37°00'06"								
℄ 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		
15+18.07	———	———	———	———	———	0°00'00"	0°00'00"
15+25	6.93'	6.42'	7.48'	6.07'	7.79'	1°06'55"	1°06'55"
15+50	25.00'	23.18'	26.97'	21.89'	28.07'	4°01'25"	5°08'20"
15+75.05	25.05'	23.22'	27.02'	21.94'	28.12'	4°01'54"	9°10'13"
16+03.32	28.27'	26.21'	30.49'	24.75'	31.73'	4°33'00"	13°43'13"
16+31.59	28.27'	26.21'	30.49'	24.75'	31.73'	4°33'00"	18°16'12"
16+50	18.41'	17.07'	19.86'	16.13'	20.68'	2°57'46"	21°13'59"
16+75	25.00'	23.18'	26.97'	21.89'	28.07'	4°01'25"	25°15'24"
17+00	25.00'	23.18'	26.97'	21.89'	28.07'	4°01'25"	29°16'49"
17+25	25.00'	23.18'	26.97'	21.89'	28.07'	4°01'25"	33°18'14"
17+47.98	22.98'	21.30'	24.78'	20.12'	25.80'	3°41'51"	37°00'06"
TOTAL	229.91'	213.14'	247.99'	Defl/Lt.=9.392299 min.			

SEE SH. NO. 33 FOR SIGNING NOTES AND DETAILS

BALTHROP 4TH ADDITION

TIPPERARY

STA. 14+30.46 TO STA. 17+63.17

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
Q:\2001\01545\000\TIPP14-18.DWG 03-13-2002 04:06:06 pm