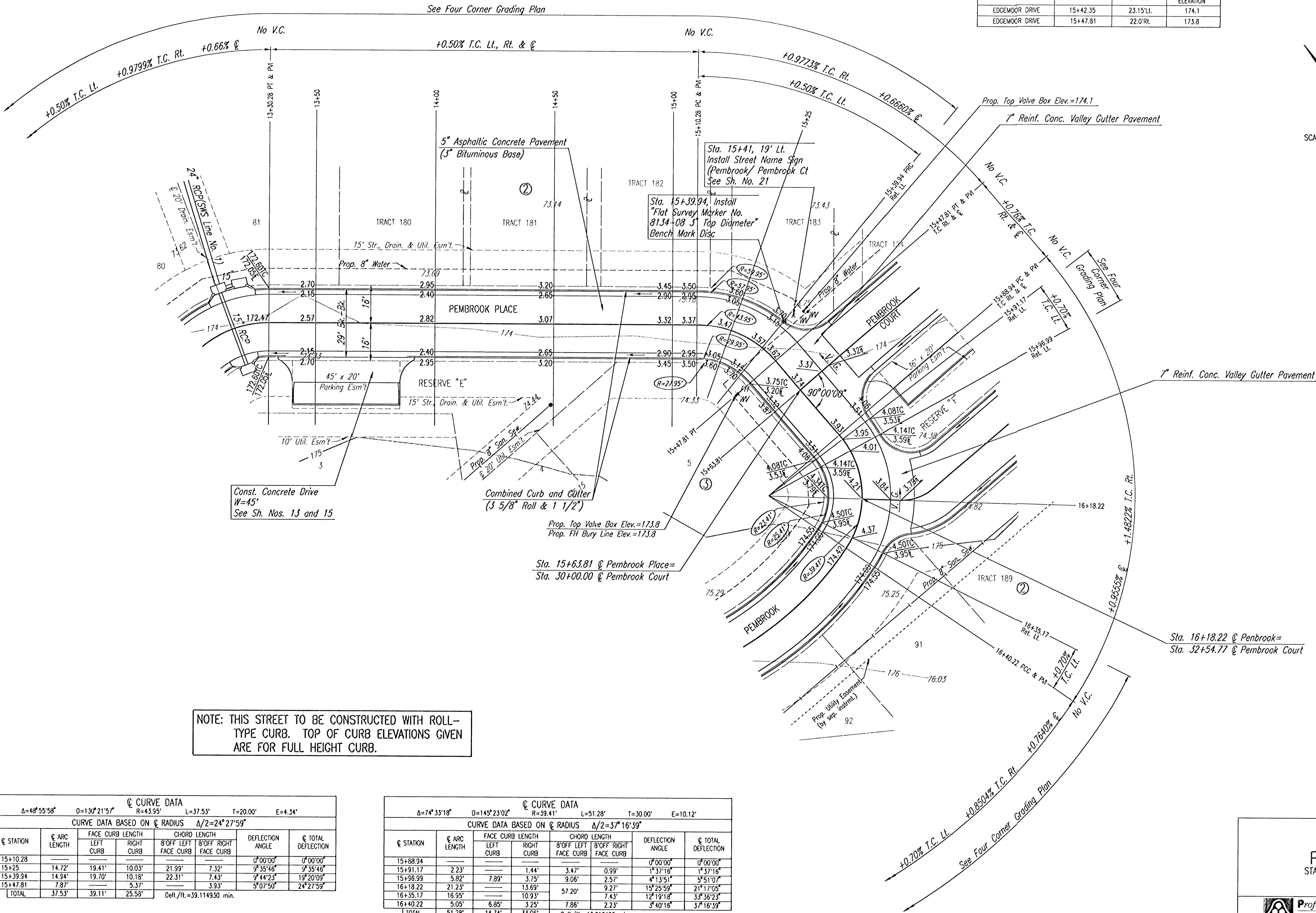


PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83382	5	33

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
EDGEMOOR DRIVE	15+42.35	23.15' Lt.	174.1
EDGEMOOR DRIVE	15+47.81	22.0' Rt.	173.8

SCALE 1"=20'



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

CURVE DATA						
$\Delta=48^{\circ}55'58"$ $D=130^{\circ}21'5"$ $R=43.95'$ $L=37.53'$ $T=20.00'$ $E=4.34'$						
CURVE DATA BASED ON ϕ RADIUS						
$\Delta/2=24^{\circ}27'59"$						
ϕ STATION	ϕ ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		ϕ TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB	
15+10.28	—	—	—	—	—	0°00'00"
15+25	14.72'	19.41'	10.03'	21.99'	7.32'	9°35'46"
15+39.34	14.94'	19.70'	10.18'	22.31'	7.43'	19°20'09"
15+47.81	7.87'	—	5.37'	—	3.93'	24°27'59"
TOTAL	37.53'	39.11'	25.53'	Defl./Lt.=39.114930 min.		

CURVE DATA						
$\Delta=74^{\circ}33'18"$ $D=145^{\circ}23'02"$ $R=39.41'$ $L=51.28'$ $T=30.00'$ $E=10.12'$						
CURVE DATA BASED ON ϕ RADIUS						
$\Delta/2=37^{\circ}16'39"$						
ϕ STATION	ϕ ARC LENGTH	FACE CURB LENGTH		CHORD LENGTH		ϕ TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	8' OFF LEFT FACE CURB	8' OFF RIGHT FACE CURB	
15+88.34	—	—	—	—	—	0°00'00"
15+91.17	2.23'	—	1.44'	3.47'	0.99'	1°37'16"
15+96.99	5.82'	7.89'	3.75'	9.06'	2.57'	4°13'51"
16+18.22	21.23'	—	13.69'	9.27'	15°25'59"	21°17'05"
16+35.17	16.95'	—	10.93'	7.43'	12°19'18"	3°36'23"
16+40.22	5.05'	6.85'	3.25'	7.86'	2.23'	3°40'16"
TOTAL	51.28'	14.74'	33.06'	Defl./Lt.=43.616420 min.		

THE COURTS II

PEMBROOK PLACE

STA. 13+30.28 TO STA. 16+40.22

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

JULY, 2001

Job No.

01256