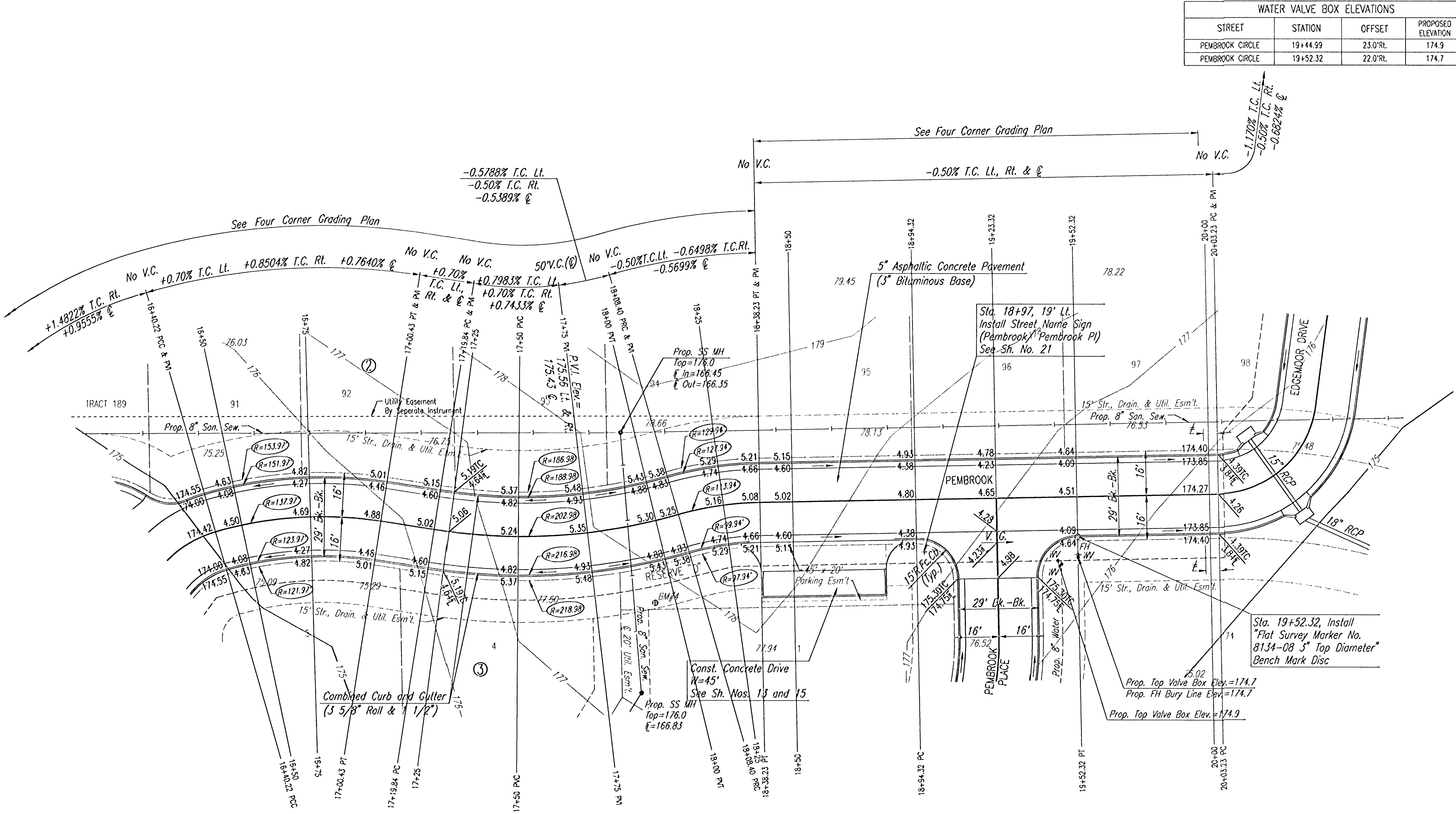


PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83382	6	33

WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
PEMBROOK CIRCLE	19+44.99	23.0' RL	174.9
PEMBROOK CIRCLE	19+52.32	22.0' RL	174.7



SCALE: 1"=20'



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

5' TRANSITION FROM COMBINED CURB AND GUTTER 3 5/8" ROLL & 1 1/2" TO COMBINED CURB AND GUTTER (6 5/8" & 1 1/2"). TO BE BID AND PAID FOR AS "COMBINED CURB AND GUTTER (3 5/8" ROLL & 1 1/2").

CURVE DATA					
$\Delta=25^{\circ}00'00"$ $D=41^{\circ}31'40"$ $R=137.97'$ $L=60.21'$ $T=30.59'$ $E=3.35'$					
CURVE DATA BASED ON $\Delta/2=12^{\circ}30'00"$					
STATION	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION
16+40.22					
16+50	9.78'	10.77'	8.78'	11.33'	8.22'
16+75	25.00'	27.53'	22.46'	5°11'25"	7°13'14"
17+00.43	25.43'	28.01'	22.85'	29.44'	21.34'
TOTAL	60.21'	66.31'	54.09'		

CURVE DATA					
$\Delta=25^{\circ}00'00"$ $D=28^{\circ}13'38"$ $R=202.98'$ $L=88.56'$ $T=45.00'$ $E=4.93'$					
CURVE DATA BASED ON $\Delta/2=12^{\circ}30'00"$					
STATION	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION
17+19.84					
17+25	5.16'	4.80'	5.53'	4.60'	5.72'
17+50	25.00'	23.28'	26.72'	22.28'	27.69'
17+75	25.00'	23.28'	26.72'	22.28'	27.69'
18+00	25.00'	23.28'	26.72'	22.28'	27.69'
18+08.40	8.40'	7.82'	8.99'	7.49'	9.31'
TOTAL	88.56'	82.46'	94.68'		

CURVE DATA					
$\Delta=15^{\circ}00'00"$ $D=50^{\circ}17'09"$ $R=113.94'$ $L=29.83'$ $T=15.00'$ $E=0.98'$					
CURVE DATA BASED ON $\Delta/2=7^{\circ}30'00"$					
STATION	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION
18+08.40					
18+25	16.60'	18.64'	14.56'	19.79'	13.38'
18+38.23	13.23'	14.85'	11.60'	15.78'	10.67'
TOTAL	29.83'	33.49'	26.16'		

THE COURTS II

PEMBROOK

STA. 16+40.22 TO STA. 20+03.23

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