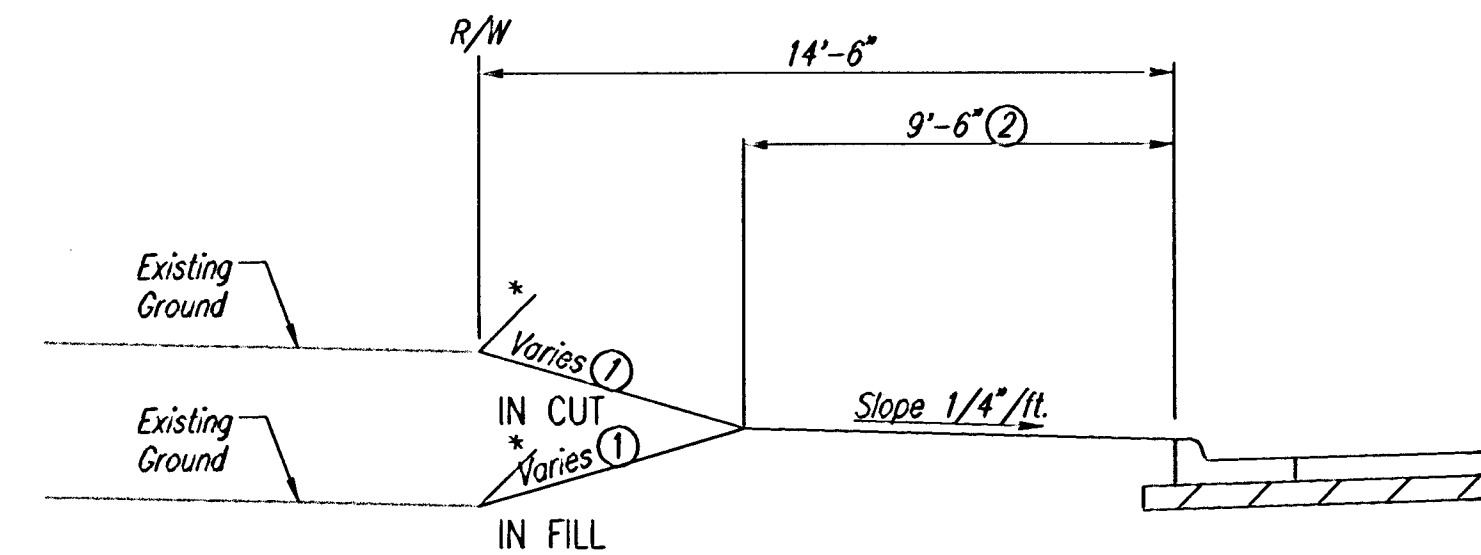


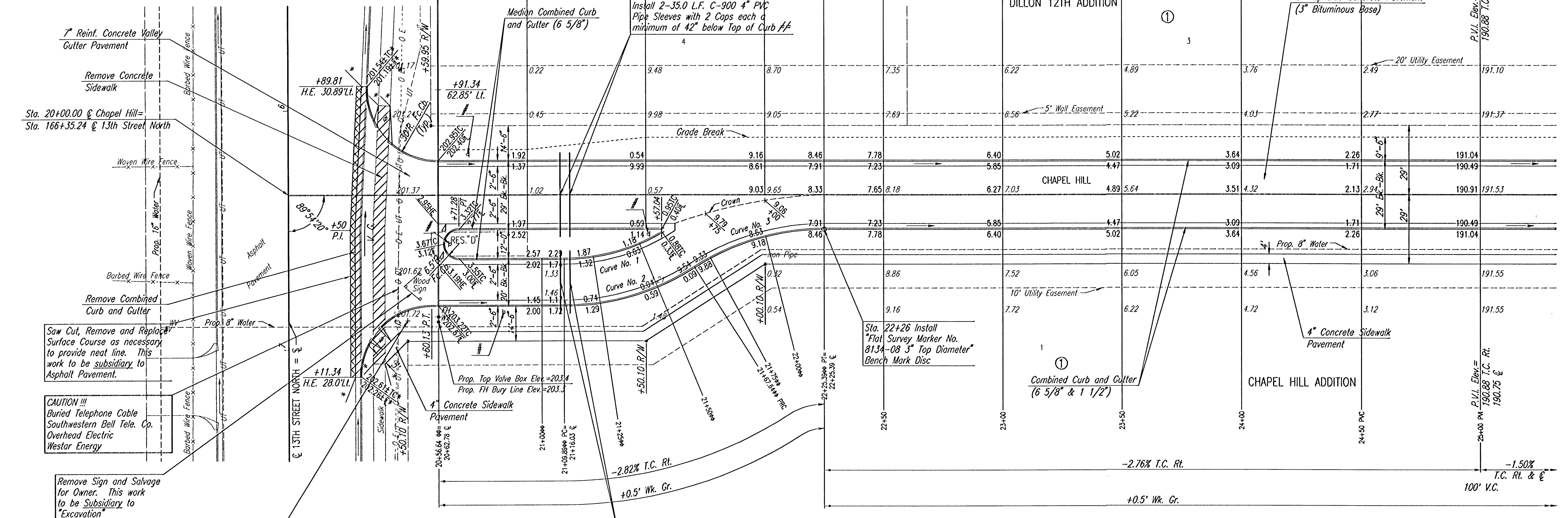
WATER VALVE BOX ELEVATIONS			
STREET	STATION	OFFSET	PROPOSED ELEVATION
CHAPEL HILL	20+62.78	53.0' RL	203.4

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-83077-000-000-001	4	60



TYPICAL SECTION - LEFT
Sta. 20+62.78 Lt. to Sta. 30+65.85 Lt.

- ① 4: 1 Max.
② 4'-6" Sta. 20+62.78 to Sta. 21+00.
Varies Sta. 21+00 to Sta. 21+50,
See Plan



Sta. 20+50, 52.5' Rt.
Install Street Name Sign
(13th St N 11800 E/Chapel Hill 1400 N)
See Sh. No. 36

Sta. 21+14 and Sta. 21+18, 36.5' Rt.
Install 2-26.0 L.F. C-900 4" PVC
Pipe Sleeves with 2 Caps each a
minimum of 42" below Top of Curb #/

CURVE NO. 2 STAKING DATA						
CURVE DATA BASED ON RADIUS TO 8" BEHIND FACE OF CURB						
$\Delta=32^{\circ}37'09"$	$D=52^{\circ}21'13"$	$R=109.44'$	$L=62.31'$	$T=32.02'$	$E=4.59'$	
FACE CURB STATION	ARC LENGTH ALONG FACE CURB	CHD LENGTH 8" OFF FC. OF CB.	DEFLECTION ANGLE	TOTAL DEFLECTION	REMARKS	
21+09.89			$0^{\circ}00'00"$	$0^{\circ}00'00"$	P.C.	
21+25	15.11'	18.31'	$4^{\circ}16'02"$	$4^{\circ}16'02"$		
21+50	25.00'	28.97'	$7^{\circ}03'38"$	$11^{\circ}19'40"$		
21+67.64	17.64'	19.03'	$4^{\circ}58'55"$	$16^{\circ}18'34.5"$	P.R.C.	

Defl./lt.=15.704943 min.

CURVE NO. 3 STAKING DATA						
CURVE DATA BASED ON RADIUS TO 8" BEHIND FACE OF CURB						
$\Delta=32^{\circ}37'09"$	$D=61^{\circ}19'06"$	$R=93.44'$	$L=53.20'$	$T=27.34'$	$E=3.92'$	
FACE CURB STATION	ARC LENGTH ALONG FACE CURB	CHD LENGTH 8" OFF FC. OF CB.	DEFLECTION ANGLE	TOTAL DEFLECTION	REMARKS	
21+67.64			$0^{\circ}00'00"$	$0^{\circ}00'00"$	P.C.	
21+75	7.36'	8.78'	$2^{\circ}04'43"$	$2^{\circ}04'43"$		
22+00	25.00'	23.03'	$7^{\circ}03'38"$	$9^{\circ}08'20"$		
22+25.39	25.39'	23.39'	$7^{\circ}10'14"$	$16^{\circ}18'34.5"$	P.T.	

Defl./lt.=18.394267 min.

Curve Data
Curve No. 1
(Face of Curb)
 $\Delta=29^{\circ}49'49"$
 $D=69^{\circ}30'00"$
 $R=82.44'$
 $L=42.92'$
 $T=21.96'$
 $E=2.87'$

Curve Data
Curve Nos. 2 & 3
(Face of Curb)
 $\Delta=32^{\circ}37'09"$
 $D=56^{\circ}28'57"$
 $R=101.44'$
 $L=57.75'$
 $T=29.68'$
 $E=4.25'$

Δ WIDENED GUTTER SECTION WILL NOT BE PAID FOR DIRECTLY, AND THIS COST SHALL BE CONSIDERED SUBSIDIARY TO "MEDIAN COMBINED CURB AND GUTTER(6 5/8)".

* MATCH EXISTING

♦ CONST. STD. WHEELCHAIR RAMP

♦♦ RIGHT FACE OF CURB STATION

SEE SH. NO. 36 FOR SIGNING NOTES AND DETAILS

EACH END OF 4" PVC PIPE SLEEVE SHALL BE MARKED WITH STEEL "I" POSTS OR 2" STEEL PIPE A MAXIMUM OF 12" ABOVE GRADE. PIPE, CAPS, PIPE INSTALLATION AND MARKERS SHALL BE SUBSIDIARY TO "COMBINED CURB AND GUTTER (6 5/8 & 1 1/2)".

CHAPEL HILL ADDITION

CHAPEL HILL
STA. 20+00.00 TO STA. 25+00.00

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

Designed by BER, ODD
Drawn by DEP, SAD

Checked by
Date JANUARY, 2001
Job No. 99127