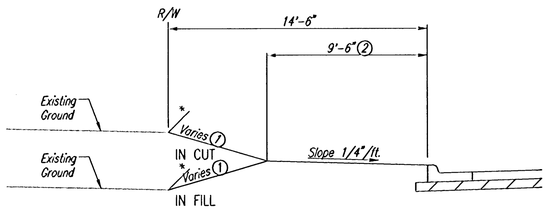
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-83077-000-000-001	4	60

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

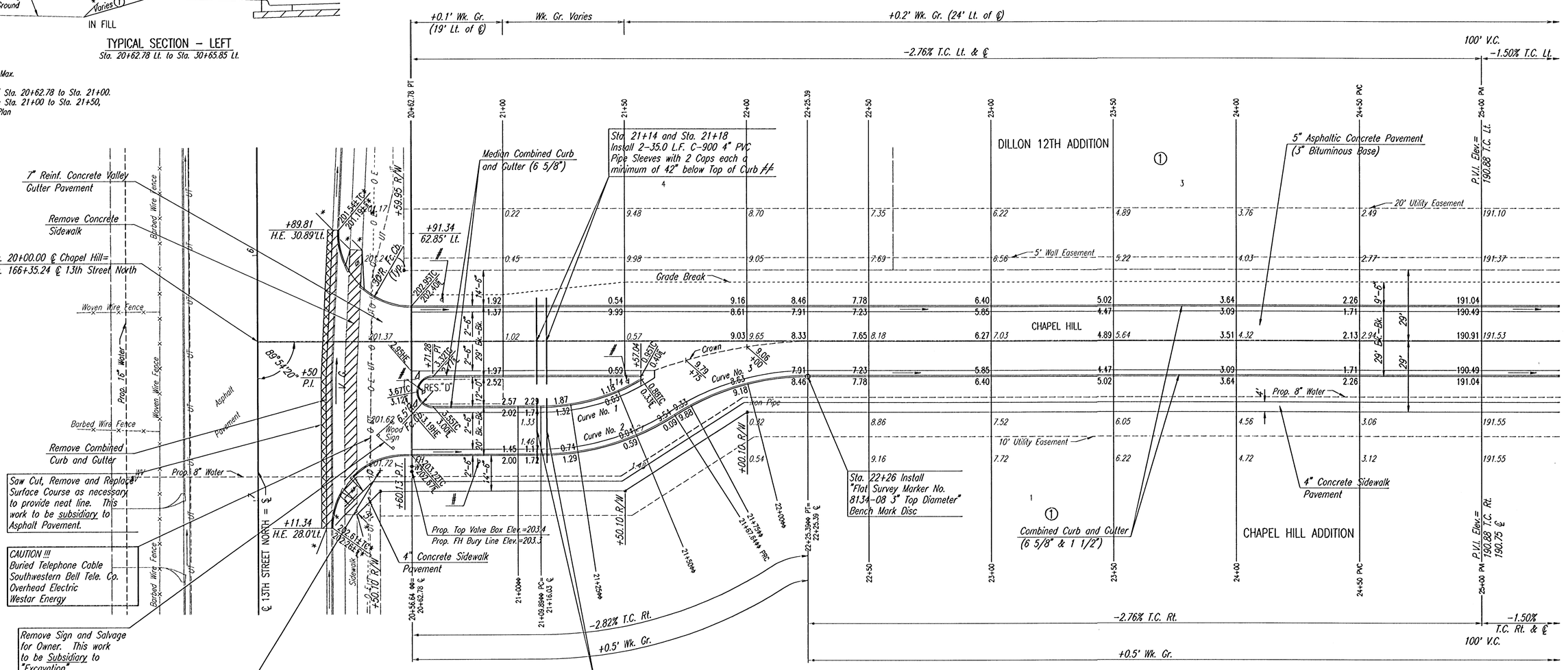
SCALE: 1"=20'



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



CURVE NO. 2 STAKING DATA						
CURVE DATA BASED ON RADIUS TO 8' BEHIND FACE OF CURB						
Δ=32° 37'09"	D=52° 21'15"	R=109.44'	L=62.31'	T=32.02'	E=4.59'	
FACE CURB STATION	ARC LENGTH ALONG FACE CURB	ARC LENGTH ALONG 8' OFFSET	CHD LENGTH 8' OFF FC. OF CB.	Δ/2=16° 18'34.5" DEFLECTION ANGLE	TOTAL DEFLECTION	REMARKS
21+09.89	——	——	——	0° 00'00"	0° 00'00"	P.C.
21+25	15.11'	16.31'	16.29'	4° 16'02"	4° 16'02"	
21+50	25.00'	26.97'	26.90'	7° 03'38"	11° 19'40"	
21+67.64	17.64'	19.03'	19.01'	4° 58'55"	16° 18'34.5"	P.R.C.

Defl./ft.=15.704943 min.

CURVE NO. 3 STAKING DATA						
CURVE DATA BASED ON RADIUS TO 8' BEHIND FACE OF CURB						
Δ=32° 37'09"	D=61° 19'06"	R=93.44'	L=53.20'	T=27.34'	E=3.92'	
FACE CURB STATION	ARC LENGTH ALONG FACE CURB	ARC LENGTH ALONG 8' OFFSET	CHD LENGTH 8' OFF FC. OF CB.	Δ/2=16° 18'34.5" DEFLECTION ANGLE	TOTAL DEFLECTION	REMARKS
21+67.64	——	——	——	0° 00'00"	0° 00'00"	P.R.C.
21+75	7.36'	6.78'	6.78'	2° 04'43"	2° 04'43"	
22+00	25.00'	23.03'	22.97'	7° 03'38"	9° 08'20"	
22+25.39	25.39'	23.39'	23.33'	7° 10'14"	16° 18'34.5"	P.T.

Defl./ft.=18.394267 min.

Curve Data Curve No. 1 (Face of Curb)	Curve Data Curve Nos. 2 & 3 (Face of Curb)
Δ=29°49'49"	Δ=32°37'09"
D=69°30'00"	D=56°28'57"
R=82.44'	R=101.44'
L=42.92'	L=57.73'
T=21.96'	T=29.68'
E=2.87'	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, GDD	Checked by	
Drawn by	DEP, SAD	Date JANUARY, 2001	Job No. 99127

4

DSNR: GDD OPER: DEP SCALE: 1=20.00
O:\1999\99127\000\STR20-25 06-12-2002 08:42:13 am