

# HORIZONTAL & VERTICAL CONTROL

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
US20	220	220	221	222	223

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
33	2072821.5884	2332040.4848	928.6840	US20	2122+45.5221	54.4982' LT	GPS CONTROL POINT, REBAR
34	2072788.1330	2333089.9610	947.1230	US20	2132+94.1242	31.0864' LT	GPS CONTROL POINT, REBAR

Chain US20 contains:  
200 CUR 210 CUR 220 CUR 230 CUR 240 48

Beginning chain US20 description  
=====

Point 200 N 2,068,837.1148 E 2,313,467.4657 Sta 1921+22.8822

Course from 200 to PC 210 47° 17' 27.2685" Dist 5,626.2302'

Curve Data  
\*-----\*

Curve 220  
P.I. Station 2135+84.8918 N 2,072,756.1149 E 2,333,379.3629  
Delta = 19° 29' 05.7767" (RT)  
Degree = 2° 40' 00.0000"  
Tangent = 368.9048'  
Length = 730.6852'  
Radius = 2,148.5917'  
External = 31.4397'  
Long Chord = 727.1692'  
Mid. Ord. = 30.9863'  
P.C. Station 2132+15.9870 N 2,072,759.1384 E 2,333,010.4705  
P.T. Station 2139+46.6722 N 2,072,630.2172 E 2,333,726.1201  
C.C. N 2,070,610.6188 E 2,332,992.8611

Course from PT 220 to PC 230 109° 57' 16.2920" Dist 1,659.5416'

Point 48 N 2,072,675.8691 E 2,340,073.4740 Sta 2204+97.6146

Ending chain US20 description  
=====

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
419	2072712.9970	2332577.1070	931.8270	US20	2127+83.0163	49.6915' RT	POWER POLE, RAIL ROAD SPIKE
420	2072679.5107	2333205.6733	952.0080	US20	2134+18.6132	68.7834' RT	POWER POLE, RAIL ROAD SPIKE
421	2072499.0949	2334011.8644	1000.9150	US20	2142+60.0101	25.733' RT	BOX CULVERT, CHISELED SQUARE
422	2071984.5770	2335469.2233	1079.6020	US20	2158+00.6945	31.2242' RT	POWER POLE, RAIL ROAD SPIKE
423	2072023.2755	2335957.7286	1061.2350	US20	2162+80.8260	32.1754' RT	POWER POLE, RAIL ROAD SPIKE
424	2072450.6604	2337171.7959	1008.3140	US20	2175+67.0444	15.3602' LT	BOX CULVERT, CHISELED SQUARE
425	2072704.8632	2338075.1129	996.3950	US20	2185+01.9808	29.5682' LT	BOX CULVERT, CHISELED SQUARE

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
569	US20	2122+34.1843	52.5215' RT	R.O.W. MARKER
570	US20	2122+44.9562	58.3468' LT	R.O.W. MARKER
571	US20	2122+96.1105	17.6071' LT	SHINER, GUARDPOST
572	US20	2133+06.3693	17.7867' LT	BOLT, GUARDRAIL
573	US20	2132+94.0196	17.3736' LT	BOLT, GUARDRAIL
574	US20	2132+82.3786	16.9374' LT	BOLT, GUARDRAIL