



Chain US20 contains:
 US201 CUR US20.1 US204
 Beginning chain US20 description
 =====
 Point US201 N 2,118,333.1890 E 2,171,977.7369 Sta 88+79.00
 Course from US201 to PC US20.1 S 44° 09' 29" E Dist 2,252.5959'

Curve Data

Curve US20.1
 P.I. Station 113+63.37 N 2,116,550.8550 E 2,173,708.4516
 Delta = 6° 24' 19" (LT)
 Degree = 1° 23' 00"
 Tangent = 231.7728'
 Length = 463.0627'
 Radius = 4,142.1822'
 External = 6.4793'
 Long Chord = 462.8216'
 Mid. Ord. = 6.4692'
 P.C. Station 111+31.60 N 2,116,717.1332 E 2,173,546.9891
 P.T. Station 115+94.66 N 2,116,403.6273 E 2,173,887.4562
 C.C. N 2,119,602.7498 E 2,176,518.6705

Point US204 N 2,116,403.6273 E 2,173,887.4562 Sta 115+94.66
 =====
 Ending chain US20 description

Chain US20EB contains:
 41 CUR 210 33
 Beginning chain US20EB description
 =====
 Point 41 N 2,116,769.4382 E 2,173,476.8314 Sta 110+45.20
 Course from 41 to PC 210 S 44° 09' 48" E Dist 92.4908'

Curve Data

Curve 210
 P.I. Station 121+53.21 N 2,115,974.5993 E 2,174,248.7890
 Delta = 26° 33' 56" (LT)
 Degree = 1° 19' 55"
 Tangent = 1,015.5198'
 Length = 1,994.5227'
 Radius = 4,301.7061'
 External = 118.2437'
 Long Chord = 1,976.7048'
 Mid. Ord. = 115.0804'
 P.C. Station 111+37.69 N 2,116,703.0894 E 2,173,541.2703
 P.T. Station 131+32.21 N 2,115,639.4405 E 2,175,207.4074
 C.C. N 2,119,700.1139 E 2,176,627.1282

Course from PT 210 to 33 S 70° 43' 44" E Dist 2,589.7571'
 Point 33 N 2,114,784.7257 E 2,177,652.0555 Sta 157+21.97
 =====
 Ending chain US20EB description

Chain US20WB contains:
 40 CUR 200 34
 Beginning chain US20WB description
 =====
 Point 40 N 2,116,788.7973 E 2,173,496.7679 Sta 110+45.20
 Course from 40 to PC 200 S 44° 09' 11" E Dist 95.1724'

Curve Data

Curve 200
 P.I. Station 120+67.47 N 2,116,055.3402 E 2,174,208.8549
 Delta = 27° 12' 13" (LT)
 Degree = 1° 29' 43"
 Tangent = 927.0933'
 Length = 1,819.2233'
 Radius = 3,831.6359'
 External = 110.5635'
 Long Chord = 1,802.1839'
 Mid. Ord. = 107.4626'
 P.C. Station 111+40.37 N 2,116,720.5128 E 2,173,563.0628
 P.T. Station 129+59.60 N 2,115,758.9683 E 2,175,087.3000
 C.C. N 2,119,389.5430 E 2,176,312.1920

Course from PT 200 to 34 S 71° 21' 23" E Dist 2,759.6422'
 Point 34 N 2,114,876.7697 E 2,177,702.1328 Sta 157+19.24
 =====
 Ending chain US20WB description

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
US20	US20.1	S20.1	1	2	3
US20EB	210	210	211	212	213
US20WB	200	200	201	202	203

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	US20	109+66.05	75.086' LT	SHINER SOUTH SIDE OF POLE
501	US20	110+17.79	51.1139' LT	TOP BOLT ON FIRE HYDRANT
502	US20	106+64.97	46.7636' LT	SHINER SOUTHEAST SIDE OF POLE
503	US20	107+82.96	46.1286' LT	SHINER SOUTHWEST SIDE OF POLE
504	US20	107+32.38	38.2423' LT	STEEL PLATE BEAM GUARDRAIL
505	US20	107+74.53	36.5584' LT	HEADWALL
506	US20	107+63.43	38.2542' RT	HEADWALL
507	US20	107+78.96	38.1612' RT	HEADWALL

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	2116888.4063	2173486.5730	615.0310	US20	109+66.63	75.9723' LT	SOUTHEAST SIDE OF POLE
402	2117010.0104	2173314.6213	613.6076	US20	107+59.60	37.3253' LT	NORTHWEST CORNER OF NORTH HEADWALL