

# HORIZONTAL & VERTICAL CONTROL

Chain IL251 contains:  
20 200 CUR 210 CUR 220 A071202

Beginning chain IL251 description  
Feature: PLAT

Point 20 N 1,938,207.6345 E 2,596,044.0299 Sta 344+73.6289

Course from 20 to 200 358° 44' 08.1012" Dist 16,374.7186'

Point 200 N 1,954,578.3660 E 2,595,682.6982 Sta 508+48.3475

Course from 200 to PC 210 358° 41' 28.6409" Dist 6,405.5603'

Curve Data

Curve 210  
P.I. Station 583+09.6531 N 1,962,037.7253 E 2,595,512.2870  
Delta = 49° 24' 02.4383" (LT)  
Degree = 2° 29' 46.3234"  
Tangent = 1,055.7453'  
Length = 1,979.0345'  
Radius = 2,295.3192'  
External = 231.1583'  
Long Chord = 1,918.3013'  
Mid. Ord. = 210.0086'  
P.C. Station 572+53.9078 N 1,960,982.2554 E 2,595,536.3995  
P.T. Station 592+32.9423 N 1,962,706.2803 E 2,594,695.1993  
C.C. N 1,960,929.8318 E 2,593,241.6791

Course from PT 210 to PC 220 309° 17' 26.2026" Dist 1,366.2346'

Curve Data

Curve 220  
P.I. Station 616+55.5707 N 1,964,240.4196 E 2,592,820.2206  
Delta = 49° 24' 06.4386" (RT)  
Degree = 2° 29' 41.0365"  
Tangent = 1,056.3938'  
Length = 1,980.2440'  
Radius = 2,296.6704'  
External = 231.3056'  
Long Chord = 1,919.4710'  
Mid. Ord. = 210.1415'  
P.C. Station 605+99.1769 N 1,963,571.4539 E 2,593,637.8102  
P.T. Station 625+79.4209 N 1,965,296.5383 E 2,592,796.1138  
C.C. N 1,965,348.9482 E 2,595,092.1861

Course from PT 220 to A071202 358° 41' 32.6412" Dist 1,811.0008'

Point A071202 N 1,967,107.0675 E 2,592,754.7868 Sta 643+90.4217

Ending chain IL251 description

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
IL251	210	210	211	212	213
IL251	220	220	221	222	223

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	IL251	446+92.9882	60.6098' LT	FENCE LEFT
501	IL251	446+41.0187	57.5358' LT	POWER POLE
502	IL251	446+40.2419	22.3444' LT	MAILBOX
503	IL251	449+34.3070	23.142' RT	FENCE POST
504	IL251	448+70.4781	24.0404' LT	FENCE POST
505	IL251	448+49.2531	23.8309' RT	FENCE POST
506	IL251	453+51.7746	60.4297' LT	FENCE LEFT
507	IL251	453+14.5762	22.1982' LT	SIGN
508	IL251	453+93.7745	60.3599' LT	FENCE LEFT

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
434	1946968.6330	2597194.3980	862.5610	IL251	432+07.1096	1343.412' RT	NGS MONUMENT, PERM. SURVEY MARKER
65722931	1946826.1150	2596044.1610	887.7370	IL251	430+90.0079	190.3102' RT	D-2 NETWORK MONUMENT, PERM. SURVEY MARKER
10	1948606.6780	2595835.8700	866.4690	IL251	448+74.7336	21.3606' RT	GPS CONTROL POINT, PIN
11	1948420.0790	2595762.1500	870.0940	IL251	446+89.8068	56.459' LT	GPS CONTROL POINT, PIN
12	1949082.0500	2595752.6510	876.9820	IL251	453+51.8262	51.3483' LT	GPS CONTROL POINT, PIN

65722931  
OGL 64 3A  
EL = 887.737  
D-2 NETWORK MONUMENT

434  
WHITE AZ  
EL = 862.561  
N.G.S. MONUMENT