HORIZONTAL & VERTICAL CONTROL

EXISTING IL 2 CHAIN INFORMATION

Chain FA561_742 contains:
5 CUR 250 CUR 260 CUR 270 CUR 280 CUR 290 CUR 300 CUR 310 CUR 320 20 21 22 24 C-
UR 330 CUR 340 CUR 350 CUR 360 CUR 370 CUR 380 CUR 390 CUR 1200 25 23 CUR 1210 -
CUR 1220 CUR 1230 CUR 1240 26 80 CUR 1250 CUR 1260 39

Beginning chain FA561_742 description
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Point 5 N 1,878,334.6825 E 2,442,702.8242 Sta 0+00.0000

Course from 5 to PC 250 86° 59′ 37.2256″ Dist 2,946.1273′

Curve Data

Curve 370
Feature: 111
P.I. Station 480+52.2307 N 1,887,011.4558 E 2,486,498.6575
Delta = 63° 34′ 06.9683″ (LT)
Degree = 28° 18′ 26.5993″
Tangent = 125.4201′
Length = 224.5654′
Radius = 202.4057′
External = 35.7083′
Long Chord = 213.2235′
Mid. Ord. = 30.3534′
P.C. Station 479+26.8106 N 1,886,915.5550 E 2,486,417.8290
P.T. Station 481+51.3760 N 1,887,126.5230 E 2,486,448.7603
C.C. N 1,887,045.9978 E 2,486,263.0622

Course from PT 370 to PC 380 336° 33′ 24.3387″ Dist 48.7404′

Curve Data

Curve 380
Feature: 111
P.I. Station 482+41.5523 N 1,887,209.2557 E 2,486,412.8845
Delta = 17° 08′ 14.2374″ (RT)
Degree = 20° 50′ 05.3889″
Tangent = 41.4359′
Length = 82.2531′
Radius = 275.0000′
External = 3.1042′
Long Chord = 81.9468′
Mid. Ord. = 3.0695′
P.C. Station 482+00.1164 N 1,887,171.2402 E 2,486,429.3694
P.T. Station 482+82.3695 N 1,887,250.4409 E 2,486,408.3333
C.C. N 1,887,280.6463 E 2,486,681.6694

Curve Data

Curve 390
Feature: 111
P.I. Station 483+67.8415 N 1,887,335.3958 E 2,486,398.9453
Delta = 44° 17′ 36.9819″ (RT)
Degree = 27° 17′ 01.3335″
Tangent = 85.4721′
Length = 162.3445′
Radius = 210.0000′
External = 16.7277′
Long Chord = 158.3320′
Mid. Ord. = 15.4936′
P.C. Station 482+82.3695 N 1,887,250.4409 E 2,486,408.3333
P.T. Station 484+44.7140 N 1,887,402.7601 E 2,486,451.5526
C.C. N 1,887,273.5068 E 2,486,617.0627

Course from PT 390 to PC 1200 217° 59′ 28.9027″ Dist 0.0000′

Curve Data

Curve 1200
Feature: 111
P.I. Station 484+72.1179 N 1,887,424.3583 E 2,486,468.4195
Delta = 7° 50′ 33.4420″ (RT)
Degree = 14° 19′ 54.1784″
Tangent = 27.4039′
Length = 54.7221′
Radius = 399.7831′
External = 0.9381′
Long Chord = 54.6794′
Mid. Ord. = 0.9359′
P.C. Station 484+44.7140 N 1,887,402.7601 E 2,486,451.5526
P.T. Station 484+99.4362 N 1,887,443.4529 E 2,486,488.0757
C.C. N 1,887,156.6969 E 2,486,766.6390

Course from PT 1200 to 25 45° 49′ 49.0000″ Dist 116.0226′

Point 25 N 1,887,524.2959 E 2,486,571.2963 Sta 486+15.4588

Course from 25 to 23 46° 24′ 21.9397″ Dist 195.5707′

Point 23 N 1,887,659.1502 E 2,486,712.9374 Sta 488+11.0295

Course from 23 to PC 1210 45° 49′ 49.0000″ Dist 1,014.4900′

Curve Data

Curve 1210
Feature: 111
P.I. Station 501+35.1775 N 1,888,581.7982 E 2,487,662.7209
Delta = 15° 23′ 05.0000″ (LT)
Degree = 2° 29′ 57.0528″
Tangent = 309.6580′
Length = 615.5905′
Radius = 2,292.5819′
External = 20.8182′
Long Chord = 613.7428′
Mid. Ord. = 20.6308′
P.C. Station 498+25.5195 N 1,888,366.0327 E 2,487,440.6097
P.T. Station 504+41.1100 N 1,888,848.7577 E 2,487,819.6306
C.C. N 1,890,010.4534 E 2,485,843.1704

Course from PT 1210 to PC 1220 30° 26′ 44.0000″ Dist 283.6510′

Curve Data

Curve 1220
Feature: 111
P.I. Station 512+44.4610 N 1,889,541.3355 E 2,488,226.7041
Delta = 5° 19′ 29.0000″ (RT)
Degree = 0° 30′ 45.5656″
Tangent = 519.7000′
Length = 1,038.6518′
Radius = 11,176.2384′
External = 12.0766′
Long Chord = 1,038.2781′
MId. Ord. = 12.0636′
P.C. Station 507+24.7610 N 1,889,093.2964 E 2,487,963.3620
P.T. Station 517+63.4128 N 1,889,963.0030 E 2,488,530.4879
C.C. N 1,883,430.0798 E 2,497,598.5207

Course from PT 1220 to PC 1230 35° 46′ 13.0000″ Dist 1,211.7443′

Curve Data

Curve 1230
Feature: 111
P.I. Station 534+76.1773 N 1,891,352.6839 E 2,489,531.6619
Delta = 38° 41′ 01.5944″ (RT)
Degree = 4° 00′ 50.9618″
Tangent = 501.0202′
Length = 963.6839′
Radius = 1,427.3431′
External = 85.3795′
Long Chord = 945.4844′
Mid. Ord. = 80.5606′
P.C. Station 529+75.1571 N 1,890,946.1726 E 2,489,238.7971
P.T. Station 539+38.8410 N 1,891,486.9629 E 2,490,014.3527
C.C. N 1,890,111.8379 E 2,490,396.8964

Course from PT 1230 to PC 1240 74° 27′ 14.5944″ Dist 1,546.1877′

Curve Data

Curve 1240
Feature: 111
P.I. Station 561+87.4242 N 1,892,089.6080 E 2,492,180.6734
Delta = 10° 30′ 23.0000″ (LT)
Degree = 0° 44′ 59.9990″
Tangent = 702.3954′
Length = 1,400.8524′
Radius = 7,639.4400′
External = 32.2223′
Long Chord = 1,398.8905′
Mid. Ord. = 32.0870′
P.C. Station 554+85.0288 N 1,891,901.3582 E 2,491,503.9745
P.T. Station 568+85.8811 N 1,892,398.0944 E 2,492,811.7007
C.C. N 1,899,261.3158 E 2,489,456.5203

Course from PT 1240 to 26 63° 56′ 51.5944″ Dist 1,001.0138′

Point 26 N 1,892,837.7316 E 2,493,711.0048 Sta 578+86.8949

Course from 26 to 80 153° 56′ 56.9747″ Dist 10.9778′

Equation: Sta 578+97.8728 (BK) = Sta 578+86.8949 (AH) End Region 1 / Begin Region 2

Point 80 N 1,892,827.8691 E 2,493,715.8259 Sta 578+86.8949

Course from 80 to PC 1250 63° 56′ 51.5944″ Dist 3,511.4492′