

PROPOSED HORIZONTAL & VERTICAL CONTROL

LATHAM RD

Chain PROP173C contains:
G81 CUR G200 CUR G210 CUR G220 CUR G230 CUR G240 CUR 70210 CUR G260 CUR 74360 -
CUR 74330 CUR 74340 CUR 74350 73000 CUR 73270 CUR 73280 G1060

Beginning chain PROP173C description
=====

Point G81 N 2,078,579.0959 E 2,587,968.8944 Sta 856+60.4352

Course from G81 to PC G200 88° 49' 17.0966" Dist 3,331.1632'

Curve Data

Curve G200
P.I. Station 893+37.9148 N 2,078,654.7370 E 2,591,645.5960
Delta = 1° 46' 00.0029" (RT)
Degree = 0° 15' 18.3087"
Tangent = 346.3164'
Length = 692.5779'
Radius = 22,461.3802'
External = 2.6696'
Long Chord = 692.5504'
Mid. Ord. = 2.6693'
P.C. Station 889+91.5984 N 2,078,647.6137 E 2,591,299.3529
P.T. Station 896+84.1763 N 2,078,651.1825 E 2,591,991.8941
C.C. N 2,056,190.9854 E 2,591,761.3549

Curve Data

Curve G210
P.I. Station 900+61.9405 N 2,078,647.3052 E 2,592,369.6385
Delta = 1° 58' 06.3955" (LT)
Degree = 0° 15' 38.0312"
Tangent = 377.7642'
Length = 755.4541'
Radius = 21,989.1204'
External = 3.2447'
Long Chord = 755.4170'
Mid. Ord. = 3.2442'
P.C. Station 896+84.1763 N 2,078,651.1825 E 2,591,991.8941
P.T. Station 904+39.6304 N 2,078,656.4053 E 2,592,747.2931
C.C. N 2,100,639.1446 E 2,592,217.5862

Course from PT G210 to PC G220 88° 37' 10.7040" Dist 2,310.6899'

Curve Data

Curve G220
P.I. Station 931+01.4887 N 2,078,720.5282 E 2,595,408.3789
Delta = 3° 00' 54.7836" (LT)
Degree = 0° 25' 45.8807"
Tangent = 351.1684'
Length = 702.1747'
Radius = 13,342.8668'
External = 4.6204'
Long Chord = 702.0937'
Mid. Ord. = 4.6188'
P.C. Station 927+50.3203 N 2,078,712.0687 E 2,595,057.3124
P.T. Station 934+52.4950 N 2,078,747.4424 E 2,595,758.5144
C.C. N 2,092,051.0635 E 2,594,735.8895

Course from PT G220 to PC G230 85° 36' 15.9204" Dist 1,291.1453'

Curve Data

Curve G230
P.I. Station 951+00.2329 N 2,078,873.7285 E 2,597,401.4058
Delta = 2° 25' 25.0738" (RT)
Degree = 0° 20' 23.5777"
Tangent = 356.5926'
Length = 713.0789'
Radius = 16,857.5165'
External = 3.7711'
Long Chord = 713.0257'
Mid. Ord. = 3.7703'
P.C. Station 947+43.6403 N 2,078,846.3985 E 2,597,045.8620
P.T. Station 954+56.7192 N 2,078,885.9989 E 2,597,757.7872
C.C. N 2,062,038.4655 E 2,598,337.8570

Course from PT G230 to PC G240 88° 01' 40.9943" Dist 2,235.7847'

Curve Data

Curve G240
P.I. Station 983+77.2868 N 2,078,986.4961 E 2,600,676.6253
Delta = 33° 26' 24.1747" (RT)
Degree = 2° 30' 48.2674"
Tangent = 684.7829'
Length = 1,330.4666'
Radius = 2,279.6056'
External = 100.6317'
Long Chord = 1,311.6634'
Mid. Ord. = 96.3771'
P.C. Station 976+92.5039 N 2,078,962.9326 E 2,599,992.2479
P.T. Station 990+22.9705 N 2,078,629.0231 E 2,601,260.6978
C.C. N 2,076,684.6770 E 2,600,070.6895

Course from PT G240 to PC 70210 121° 28' 05.1690" Dist 1,113.0210'

Curve Data

Curve 70210
P.I. Station 1002+67.7000 N 2,077,979.2446 E 2,602,322.3661
Delta = 15° 00' 22.6942" (LT)
Degree = 5° 43' 46.4806"
Tangent = 131.7085'
Length = 261.9094'
Radius = 1,000.0000'
External = 8.6363'
Long Chord = 261.1615'
Mid. Ord. = 8.5623'
P.C. Station 1001+35.9915 N 2,078,047.9996 E 2,602,210.0279
P.T. Station 1003+97.9009 N 2,077,941.9216 E 2,602,448.6757
C.C. N 2,078,900.9305 E 2,602,732.0517

Course from PT 70210 to PC G260 106° 27' 42.4748" Dist 319.5645'

Curve Data

Curve G260
P.I. Station 1010+89.7665 N 2,077,745.8635 E 2,603,112.1809
Delta = 18° 24' 34.9257" (LT)
Degree = 2° 29' 38.0916"
Tangent = 372.3011'
Length = 738.1850'
Radius = 2,297.4237'
External = 29.9705'
Long Chord = 735.0137'
Mid. Ord. = 29.5846'
P.C. Station 1007+17.4654 N 2,077,851.3647 E 2,602,755.1409
P.T. Station 1014+55.6504 N 2,077,758.5183 E 2,603,484.2668
C.C. N 2,080,054.6145 E 2,603,406.1756

Course from PT G260 to PC 74360 88° 03' 07.5491" Dist 4,487.0786'

Curve Data

Curve 74360
P.I. Station 1063+15.5249 N 2,077,923.7092 E 2,608,341.3331
Delta = 3° 13' 45.4931" (LT)
Degree = 0° 25' 59.6428"
Tangent = 372.7960'
Length = 745.3946'
Radius = 13,225.1313'
External = 5.2532'
Long Chord = 745.2959'
Mid. Ord. = 5.2511'
P.C. Station 1059+42.7290 N 2,077,911.0376 E 2,607,968.7525
P.T. Station 1066+88.1236 N 2,077,957.3490 E 2,608,712.6082
C.C. N 2,091,128.5267 E 2,607,519.2201

Curve Data

Curve 74330
P.I. Station 1070+60.9207 N 2,077,990.9889 E 2,609,083.8844
Delta = 3° 13' 45.5277" (RT)
Degree = 0° 25' 59.6428"
Tangent = 372.7971'
Length = 745.3968'
Radius = 13,225.1313'
External = 5.2533'
Long Chord = 745.2982'
Mid. Ord. = 5.2512'
P.C. Station 1066+88.1236 N 2,077,957.3490 E 2,608,712.6082
P.T. Station 1074+33.5204 N 2,078,003.6605 E 2,609,456.4661
C.C. N 2,064,786.1713 E 2,609,905.9963

Course from PT 74330 to PC 74340 88° 03' 07.5837" Dist 2,916.4162'

Curve Data

Curve 74340
P.I. Station 1112+42.7379 N 2,078,133.1381 E 2,613,263.4825
Delta = 34° 56' 56.5895" (LT)
Degree = 2° 01' 13.0891"
Tangent = 892.8013'
Length = 1,729.8920'
Radius = 2,836.0000'
External = 137.2121'
Long Chord = 1,703.1981'
Mid. Ord. = 130.8798'
P.C. Station 1103+49.9366 N 2,078,102.7912 E 2,612,371.1970
P.T. Station 1120+79.8286 N 2,078,669.1560 E 2,613,977.4706
C.C. N 2,080,937.1524 E 2,612,274.7997

Course from PT 74340 to PC 74350 53° 06' 10.9942" Dist 982.9279'

Curve Data

Curve 74350
P.I. Station 1135+43.4872 N 2,079,547.9038 E 2,615,147.9827
Delta = 35° 32' 23.8977" (RT)
Degree = 3° 49' 10.9871"
Tangent = 480.7307'
Length = 930.4343'
Radius = 1,500.0000'
External = 75.1514'
Long Chord = 915.5895'
Mid. Ord. = 71.5659'
P.C. Station 1130+62.7565 N 2,079,259.2839 E 2,614,763.5344
P.T. Station 1139+93.1908 N 2,079,559.2882 E 2,615,628.5786
C.C. N 2,078,059.7089 E 2,615,664.1008

Course from PT 74350 to 73000 88° 38' 34.8920" Dist 1,529.4933'

Equation: Sta 1155+22.6841 (BK) = Sta 154+90.2917 (AH) -----
End Region 1
Begin Region 2

Point 73000 N 2,079,595.5089 E 2,617,157.6430 Sta 154+90.2917

Course from 73000 to PC 73270 88° 38' 34.8919" Dist 6,215.4950'

Curve Data

Curve 73270
P.I. Station 220+08.0166 N 2,079,749.8581 E 2,623,673.5400
Delta = 4° 19' 37.4388" (RT)
Degree = 0° 42' 58.3101"
Tangent = 302.2299'
Length = 604.1724'
Radius = 8,000.0000'
External = 5.7069'
Long Chord = 604.0289'
Mid. Ord. = 5.7028'
P.C. Station 217+05.7867 N 2,079,742.7008 E 2,623,371.3949
P.T. Station 223+09.9592 N 2,079,734.1981 E 2,623,975.3639
C.C. N 2,071,744.9444 E 2,623,560.8466

Curve Data

Curve 73280
P.I. Station 226+35.5025 N 2,079,717.3302 E 2,624,300.4700
Delta = 4° 39' 37.7780" (LT)
Degree = 0° 42' 58.3101"
Tangent = 325.5434'
Length = 650.7277'
Radius = 8,000.0000'
External = 6.6209'
Long Chord = 650.5483'
Mid. Ord. = 6.6154'
P.C. Station 223+09.9592 N 2,079,734.1981 E 2,623,975.3639
P.T. Station 229+60.6869 N 2,079,726.9334 E 2,624,625.8717
C.C. N 2,087,723.4518 E 2,624,389.8813

Course from PT 73280 to G1060 88° 18' 34.5528" Dist 5,185.0596'

Point G1060 N 2,079,879.8864 E 2,629,808.6748 Sta 281+45.7465

=====

Ending chain PROP173C description

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
PROP173C	G200	200	201	202	203
PROP173C	G210	210	211	212	213
PROP173C	G220	220	221	222	223
PROP173C	G230	230	231	232	233
PROP173C	G240	240	241	242	243
PROP173C	70210	70210	70211	70212	70213
PROP173C	G260	260	261	262	263
PROP173C	74360	74360	74361	74362	74363
PROP173C	74330	74330	74331	74332	74333
PROP173C	74340	74340	74341	74342	74343
PROP173C	74350	74350	74351	74352	74353
PROP173C	73270	73270	73271	73272	73273
PROP173C	73280	73280	73281	73282	73283