

CLOSURE - NORTHGATE 4TH ADDITION

Point of Beginning

PT 01 Easting: 4940.0006'
Northing: 7120.7685'

Side 1: Line

Direction: S00°01'26.00"W
Angle: [000°01'26.00"]
Deflection angle: [-179°58'34.00"]
Distance: 135.0200'

PT 02 Easting: 4939.9443'
Northing: 6985.7485'

Side 2: Line

Direction: S00°01'08.00"E
Angle: [179°57'26.00"]
Deflection angle: [-000°02'34.00"]
Distance: 210.7200'

PT 03 Easting: 4940.0138'
Northing: 6775.0285'

Side 3: Line

Direction: N89°14'02.00"W
Angle: [-089°12'54.00"]
Deflection angle: [090°47'06.00"]
Distance: 100.7300'

PT 04 Easting: 4839.2928'
Northing: 6776.3754'

Side 4: Line

Direction: N83°25'01.00"W
Angle: [-174°10'59.00"]
Deflection angle: [005°49'01.00"]
Distance: 80.4000'

PT 05 Easting: 4759.4229'
Northing: 6785.5927'

Side 5: Line

Direction: N89°09'05.00"W
Angle: [174°15'56.00"]
Deflection angle: [-005°44'04.00"]
Distance: 580.8300'

PT 06 Easting: 4178.6566'
Northing: 6794.1951'

Side 6: Line

Direction: N00°02'41.00"E
Angle: [-090°48'14.00"]
Deflection angle: [089°11'46.00"]
Distance: 126.0200'
PT 07 Easting: 4178.7549'
Northing: 6920.2150'

Side 7: Line

Direction: N89°09'27.00"W
Angle: [090°47'52.00"]
Deflection angle: [-089°12'08.00"]
Distance: 58.0000'
PT 08 Easting: 4120.7612'
Northing: 6921.0679'

Side 8: Line

Direction: N89°28'29.00"W
Angle: [179°40'58.00"]
Deflection angle: [-000°19'02.00"]
Distance: 3.9200'
PT 09 Easting: 4116.8414'
Northing: 6921.1038'

Side 9: Curve

Curve direction: Counter-clockwise
Radius: 178.0000'
Arc length: [127.4341']
Delta angle: [041°01'09.49"]
Tangent: [66.5857']
Chord direction: S70°27'33.00"W
Chord angle: [159°56'02.00"]
Deflection angle: [-020°03'58.00"]
Chord distance: 124.7300'
PT 10 Easting: 3999.2954'
Northing: 6879.3843'

Side 10: Curve

Curve direction: Clockwise
Radius: [233.4756']
Arc length: [36.4269']
Delta angle: [008°56'21.49"]
Tangent: [18.2505']
Chord direction: S54°25'09.00"W
Chord angle: [-175°31'49.25"]
Deflection angle: [004°28'10.75"]
Chord distance: 36.3900'
PT 11 Easting: 3969.6996'
Northing: 6858.2107'

Side 11: Line

Direction: S00°01'46.00"W
Angle: [121°08'26.25"]
Deflection angle: [-058°51'33.75"]
Distance: 388.9700'
PT 12 Easting: 3969.4997'
Northing: 6469.2408'

Side 12: Line

Direction: N89°08'56.00"W
Angle: [-089°10'42.00"]
Deflection angle: [090°49'18.00"]
Distance: 275.1400'
PT 13 Easting: 3694.3901'
Northing: 6473.3278'

Side 13: Line

Direction: N44°33'12.00"W
Angle: [-135°24'16.00"]
Deflection angle: [044°35'44.00"]
Distance: 121.0500'
PT 14 Easting: 3609.4647'
Northing: 6559.5877'

Side 14: Line

Direction: N00°02'41.00"E
Angle: [-135°24'07.00"]
Deflection angle: [044°35'53.00"]
Distance: 251.3100'
PT 15 Easting: 3609.6608'
Northing: 6810.8976'

Side 15: Curve

Curve direction: Clockwise
Radius: 50.0000'
Arc length: [118.4737']
Delta angle: [135°45'39.02"]
Tangent: [123.0145']
Chord direction: N27°14'36.00"W
Chord angle: [152°42'43.00"]
Deflection angle: [-027°17'17.00"]
Chord distance: 92.6400'
PT 16 Easting: 3567.2530'
Northing: 6893.2611'

Side 16: Line

Direction: N89°09'05.00"W
Angle: [050°12'41.49"]
Deflection angle: [-129°47'18.51"]
Distance: 72.6900'
PT 17 Easting: 3494.5709'
Northing: 6894.3377'

Side 17: Line

Direction: N00°50'55.00"E
Angle: [-090°00'00.00"]
Deflection angle: [090°00'00.00"]
Distance: 140.0000'
PT 18 Easting: 3496.6444'
Northing: 7034.3223'

Side 18: Line

Direction: S89°09'05.00"E
Angle: [-090°00'00.00"]
Deflection angle: [090°00'00.00"]
Distance: 339.5300'
PT 19 Easting: 3836.1372'
Northing: 7029.2937'

Side 19: Line

Direction: N21°55'50.00"E
Angle: [111°04'55.00"]
Deflection angle: [-068°55'05.00"]
Distance: 81.8600'
PT 20 Easting: 3866.7104'
Northing: 7105.2301'

Side 20: Line

Direction: N46°29'23.00"W
Angle: [111°34'47.00"]
Deflection angle: [-068°25'13.00"]
Distance: 145.0000'
PT 21 Easting: 3761.5491'
Northing: 7205.0604'

Side 21: Line

Direction: N43°30'37.00"E
Angle: [-090°00'00.00"]
Deflection angle: [090°00'00.00"]
Distance: 204.0000'
PT 22 Easting: 3901.9999'
Northing: 7353.0116'

Side 22: Line

Direction: S46°29'23.00"E
Angle: [-090°00'00.00"]
Deflection angle: [090°00'00.00"]
Distance: 93.8100'
PT 23 Easting: 3970.0357'
Northing: 7288.4248'

Side 23: Line

Direction: N00°02'41.00"E
Angle: [046°32'04.00"]
Deflection angle: [-133°27'56.00"]
Distance: 45.7700'
PT 24 Easting: 3970.0715'
Northing: 7334.1948'

Side 24: Line

Direction: S89°57'19.00"E
Angle: [-090°00'00.00"]
Deflection angle: [090°00'00.00"]
Distance: 209.0000'
PT 25 Easting: 4179.0714'
Northing: 7334.0317'

Side 25: Line

Direction: S00°02'41.00"W
Angle: [-090°00'00.00"]
Deflection angle: [090°00'00.00"]
Distance: 21.0200'
PT 26 Easting: 4179.0550'
Northing: 7313.0117'

Side 26: Line

Direction: S89°57'19.00"E
Angle: [090°00'00.00"]
Deflection angle: [-090°00'00.00"]
Distance: 160.9600'
PT 27 Easting: 4340.0149'
Northing: 7312.8860'

Side 27: Line

Direction: S00°03'36.00"W
Angle: [-089°59'05.00"]
Deflection angle: [090°00'55.00"]
Distance: 182.6800'
PT 28 Easting: 4339.8236'
Northing: 7130.2061'

Side 28: Line

Direction: S89°05'57.00"E
Angle: [090°50'27.00"]
Deflection angle: [-089°09'33.00"]
Distance: 600.2400'
PT 01 Easting: 4939.9894'
Northing: 7120.7692'

Closure Summary

Precision, 1 part in: 439348.2577'
Error distance: 0.0112'
Error direction: N86°10'57.39"W
Area: 637238.9363 Sq. Ft.
Square area: 637238.9363
Perimeter: 4911.0047'