

CLOSURE - NIEDERLANDER'S 2ND ADDITION

Point of Beginning

PT 01 Easting: 1645256.4302'
Northing: 1686243.2613'

Side 1: Line

Direction: N01°10'46.00"W
Angle: [178°49'14.00"]
Deflection angle: [-001°10'46.00"]
Distance: 208.7500'
PT 02 Easting: 1645252.1333'
Northing: 1686451.9671'

Side 2: Curve

Curve direction: Counter-clockwise
Radius: 576.5000'
Arc length: [35.6657']
Delta angle: [003°32'40.76"]
Tangent: [17.8385']
Chord direction: S80°38'06.00"E
Chord angle: [-079°27'20.00"]
Deflection angle: [100°32'40.00"]
Chord distance: 35.6600'
PT 03 Easting: 1645287.3181'
Northing: 1686446.1644'

Side 3: Curve

Curve direction: Counter-clockwise
Radius: 706.7300'
Arc length: [128.3162']
Delta angle: [010°24'10.10"]
Tangent: [64.3349']
Chord direction: S88°16'24.00"E
Chord angle: [174°08'02.38"]
Deflection angle: [-005°51'57.62"]
Chord distance: 128.1400'
PT 04 Easting: 1645415.3999'
Northing: 1686442.3033'

Side 4: Curve

Curve direction: Clockwise
Radius: 512.1200'
Arc length: [226.0814']
Delta angle: [025°17'38.02"]
Tangent: [114.9131']
Chord direction: S78°41'22.00"E
Chord angle: [-165°12'52.95"]
Deflection angle: [014°47'07.05"]
Chord distance: 224.2500'
PT 05 Easting: 1645635.2946'
Northing: 1686398.3219'

Side 5: Line

Direction: S64°35'53.00"E
Angle: [-178°33'20.01"]
Deflection angle: [001°26'39.99"]
Distance: 34.9200'
PT 06 Easting: 1645666.8386'
Northing: 1686383.3424'

Side 6: Curve

Curve direction: Clockwise
Radius: 163.1600'
Arc length: [31.1473']
Delta angle: [010°56'15.99"]
Tangent: [15.6211']
Chord direction: S59°21'26.00"E
Chord angle: [-174°45'33.00"]
Deflection angle: [005°14'27.00"]
Chord distance: 31.1000'
PT 07 Easting: 1645693.5958'
Northing: 1686367.4912'

Side 7: Curve

Curve direction: Clockwise
Radius: 50.0100'
Arc length: [38.4501']
Delta angle: [044°03'06.18"]
Tangent: [20.2316']
Chord direction: S34°30'19.00"E
Chord angle: [-160°37'00.99"]
Deflection angle: [019°22'59.01"]
Chord distance: 37.5100'
PT 08 Easting: 1645714.8446'
Northing: 1686336.5802'

Side 8: Curve

Curve direction: Clockwise
Radius: [49.7602']
Arc length: [76.7427']
Delta angle: [088°21'51.82"]
Tangent: [48.3596']
Chord direction: S31°42'10.00"W
Chord angle: [-135°49'04.09"]
Deflection angle: [044°10'55.91"]
Chord distance: 69.3600'
PT 09 Easting: 1645678.3950'
Northing: 1686277.5697'

Side 9: Line

Direction: S80°58'00.00"W
Angle: [-174°55'05.91"]
Deflection angle: [005°04'54.09"]
Distance: 192.8300'
PT 10 Easting: 1645487.9566'
Northing: 1686247.2937'

Side 10: Line

Direction: S89°02'46.00"W
Angle: [-171°55'14.00"]
Deflection angle: [008°04'46.00"]
Distance: 33.4300'
PT 11 Easting: 1645454.5313'
Northing: 1686246.7371'

Side 11: Line

Direction: S88°59'44.00"W
Angle: [179°56'58.00"]
Deflection angle: [-000°03'02.00"]
Distance: 198.1400'
PT 01 Easting: 1645256.4217'
Northing: 1686243.2637'

Closure Summary

Precision, 1 part in: 136405.4931'
Error distance: 0.0088'
Error direction: N73°56'41.23"W
Area: 77908.0389 Sq. Ft.
Square area: 77908.0389
Perimeter: 1204.4733'