

## FRONTGATE CLOSURE

Point of Beginning  
PT 01 Easting: 10000.8038'  
Northing: 4950.1407'

Side 1: Line  
Direction: N89°05'36.00"E  
Angle: [-090°54'24.00"]  
Deflection angle: [089°05'36.00"]  
Distance: 192.0600'

PT 02 Easting: 10192.8398'  
Northing: 4953.1798'

Side 2: Line  
Direction: N88°58'04.00"E  
Angle: [179°52'28.00"]  
Deflection angle: [-000°07'32.00"]  
Distance: 35.2200'

PT 03 Easting: 10228.0540'  
Northing: 4953.8143'

Side 3: Line  
Direction: S07°28'18.00"E  
Angle: [-096°26'22.00"]  
Deflection angle: [083°33'38.00"]  
Distance: 10.0600'

PT 04 Easting: 10229.3622'  
Northing: 4943.8397'

Side 4: Line  
Direction: S07°28'18.00"E  
Angle: [180°00'00.00"]  
Deflection angle: [000°00'00.00"]  
Distance: 99.7900'

PT 05 Easting: 10242.3385'  
Northing: 4844.8970'

Side 5: Line  
Direction: S82°31'42.00"W  
Angle: [-090°00'00.00"]  
Deflection angle: [090°00'00.00"]  
Distance: 35.0000'

PT 06 Easting: 10207.6357'  
Northing: 4840.3457'

Side 6: Line  
Direction: S07°28'18.00"E  
Angle: [090°00'00.00"]  
Deflection angle: [-090°00'00.00"]  
Distance: 281.3600'

PT 07 Easting: 10244.2226'  
Northing: 4561.3747'

Side 7: Curve  
Curve direction: Counter-clockwise  
Radius: 115.2200'

Arc length: [167.7205']  
Delta angle: [083°24'10.35"]  
Tangent: [102.6625']  
Chord direction: S49°13'32.00"E  
Chord angle: [138°14'46.00"]  
Deflection angle: [-041°45'14.00"]  
Chord distance: 153.3000'  
PT 08 Easting: 10360.3146'  
Northing: 4461.2571'

Side 8: Line

Direction: N89°02'57.00"E  
Angle: [179°58'34.18"]  
Deflection angle: [-000°01'25.82"]  
Distance: 246.9100'  
PT 09 Easting: 10607.1906'  
Northing: 4465.3544'

Side 9: Curve

Curve direction: Clockwise  
Radius: 35.0000'  
Arc length: [55.1797']  
Delta angle: [090°19'49.57"]  
Tangent: [35.2024']  
Chord direction: S45°58'13.00"E  
Chord angle: [-135°01'10.00"]  
Deflection angle: [044°58'50.00"]  
Chord distance: 49.6400'  
PT 10 Easting: 10642.8807'  
Northing: 4430.8530'

Side 10: Line

Direction: S00°46'14.00"E  
Angle: [-179°57'55.79"]  
Deflection angle: [000°02'04.21"]  
Distance: 80.1300'  
PT 11 Easting: 10643.9583'  
Northing: 4350.7303'

Side 11: Line

Direction: S89°02'53.00"W  
Angle: [-090°10'53.00"]  
Deflection angle: [089°49'07.00"]  
Distance: 633.9900'  
PT 12 Easting: 10010.0558'  
Northing: 4340.1973'

Side 12: Line

Direction: S89°02'24.00"W  
Angle: [179°59'31.00"]  
Deflection angle: [-000°00'29.00"]  
Distance: 330.0500'  
PT 13 Easting: 9680.0521'  
Northing: 4334.6675'

Side 13: Line

Direction: N00°51'54.00"W  
Angle: [-089°54'18.00"]  
Deflection angle: [090°05'42.00"]  
Distance: 610.1200'  
PT 14 Easting: 9670.8415'  
Northing: 4944.7180'  
Side 14: Line  
Direction: N89°03'23.00"E  
Angle: [-090°04'43.00"]  
Deflection angle: [089°55'17.00"]  
Distance: 330.0100'  
PT 01 Easting: 10000.8067'  
Northing: 4950.1527'

#### Closure Summary

Precision, 1 part in: 251647.2443'  
Error distance: 0.0123'  
Error direction: N13°35'04.44"E  
Area: 389396.5399 Sq. Ft.  
Square area: 389396.5399  
Perimeter: 3107.6003'