

CLOSURE CALCULATIONS

Lot Report

Wed Jan 5 13:59:27 2022

Location: 14 Carleton Drive georgetwon MA

Lot File: \\2003SERVER\Projects\A.B.O. Projects\3794\Survey\Lots-Srv\3794001.lot

CRD File: \\2003SERVER\Projects\A.B.O. Projects\3794\Survey\Points-Srv\3794001.crd

Lot: **ROW**, Block: 4, Type: ROW

PNT#	Bearing	Distance	Northing	Easting
1016			11336.215	9875.702
Radius: 80.00 Length: 376.80 Chord: 113.27 Delta: 269°51'37"				
Chord BRG: S 29°43'46" E Rad-In: S 74°39'34" E Rad-Out: N 15°12'03" E				
Radius Pt: 1015 11315.051,9952.851 Tangent: 80.20 Dir: Right				
Tangent-In: N 15°20'26" E Tangent-Out: N 74°47'57" W Tangential-Out				
1014			11237.850	9931.875
Radius: 30.00 Length: 44.80 Chord: 40.75 Delta: 85°33'16"				
Chord BRG: S 62°25'25" W Rad-In: S 15°12'03" W Rad-Out: S 70°21'13" E				
Radius Pt: 1013 11208.900,9924.009 Tangent: 27.76 Dir: Left				
Tangent-In: N 74°47'57" W Tangent-Out: S 19°38'47" W Tangential-In				
Tangential-Out				
1012			11218.986	9895.755
Radius: 125.00 Length: 9.39 Chord: 9.39 Delta: 4°18'21"				
Chord BRG: S 17°29'36" W Rad-In: S 70°21'13" E Rad-Out: S 74°39'34" E				
Radius Pt: 1011 11176.959,10013.479 Tangent: 4.70 Dir: Left				
Tangent-In: S 19°38'47" W Tangent-Out: S 15°20'26" W Tangential-In				
Tangential-Out				
1010			11210.029	9892.932
S 15°20'26" W 34.23				
1009			11177.017	9883.876
Radius: 125.00 Length: 48.43 Chord: 48.12 Delta: 22°11'49"				
Chord BRG: S 04°14'31" W Rad-In: S 74°39'34" E Rad-Out: N 83°08'36" E				
Radius Pt: 1008 11143.948,10004.423 Tangent: 24.52 Dir: Left				
Tangent-In: S 15°20'26" W Tangent-Out: S 06°51'24" E Tangential-In				
Tangential-Out				
1007			11129.025	9880.317
S 06°51'24" E 101.05				
1006			11028.702	9892.380
Radius: 175.00 Length: 84.71 Chord: 83.89 Delta: 27°44'09"				
Chord BRG: S 07°00'41" W Rad-In: S 83°08'36" W Rad-Out: N 69°07'15" W				
Radius Pt: 1005 11007.810,9718.632 Tangent: 43.20 Dir: Right				
Tangent-In: S 06°51'24" E Tangent-Out: S 20°52'45" W Tangential-In				
Tangential-Out				
1027			10945.440	9882.140
Radius: 30.00 Length: 35.78 Chord: 33.70 Delta: 68°20'25"				
Chord BRG: S 13°17'27" E Rad-In: S 69°07'15" E Rad-Out: N 42°32'20" E				
Radius Pt: 1026 10934.748,9910.170 Tangent: 20.37 Dir: Left				
Tangent-In: S 20°52'45" W Tangent-Out: S 47°27'40" E Tangential-In				
Tangential-Out				
1025			10912.643	9889.887
S 47°27'40" E 27.11				
504			10894.318	9909.859

S 70°12'52" W 105.37
 883 10858.650 9810.708
 N 44°43'57" W 75.77
 12 10912.474 9757.384
 Radius: 30.00 Length: 47.12 Chord: 42.43 Delta: 90°00'00"
 Chord BRG: S 89°43'57" E Rad-In: N 45°16'03" E Rad-Out: N 44°43'57" W
 Radius Pt: 1022 10933.588,9778.696 Tangent: 30.00 Dir: Left
 Tangent-In: S 44°43'57" E Tangent-Out: N 45°16'03" E Non Tangential-In
 Tangential-Out

1021 10912.276 9799.810
 N 45°16'03" E 9.57

1020 10919.010 9806.607
 Radius: 125.00 Length: 113.72 Chord: 109.84 Delta: 52°07'26"
 Chord BRG: N 19°12'19" E Rad-In: N 44°43'57" W Rad-Out: S 83°08'36" W
 Radius Pt: 1005 11007.810,9718.632 Tangent: 61.13 Dir: Left
 Tangent-In: N 45°16'03" E Tangent-Out: N 06°51'24" W Tangential-In
 Tangential-Out

1019 11022.733 9842.738
 N 06°51'24" W 101.05

1018 11123.056 9830.674
 Radius: 175.00 Length: 67.80 Chord: 67.37 Delta: 22°11'49"
 Chord BRG: N 04°14'31" E Rad-In: N 83°08'36" E Rad-Out: S 74°39'34" E
 Radius Pt: 1008 11143.948,10004.423 Tangent: 34.33 Dir: Right
 Tangent-In: N 06°51'24" W Tangent-Out: N 15°20'26" E Tangential-In
 Tangential-Out

1017 11190.245 9835.658
 N 15°20'26" E 151.36

1016 11336.215 9875.702
 Closure Error Distance> 0.0093 Error Bearing> S 37°40'54" W
 Closure Precision> 1 in 154030.4 Total Distance> 1434.04
 Area: 44115 Sq. Feet, 1.0127 Acres

Lot: LOT 2, Block: 4, Type: LOT

PNT#	Bearing	Distance	Northing	Easting
1520	S 49°49'54" W	454.93	11637.773	10374.937

1521 11344.327 10027.302
 Radius: 80.00 Length: 199.94 Chord: 151.82 Delta: 143°11'38"
 Chord BRG: S 86°56'14" W Rad-In: S 68°32'03" W Rad-Out: S 74°39'34" E
 Radius Pt: 1015 11315.051,9952.851 Tangent: 240.45 Dir: Left
 Tangent-In: N 21°27'57" W Tangent-Out: S 15°20'26" W Non Tangential-In Non
 Tangential-Out

1016 11336.215 9875.702
 N 74°39'34" W 2.00

1049 11336.744 9873.773
 N 15°20'26" E 372.89

884 11696.353 9972.423
 N 15°22'04" E 50.17

1023 11744.727 9985.718
 S 74°38'06" E 403.65

1520 11637.773 10374.937
 Closure Error Distance> 0.0025 Error Bearing> N 14°14'28" W
 Closure Precision> 1 in 604794.2 Total Distance> 1483.57
 Area: 100564 Sq. Feet, 2.3086 Acres

Lot: LOT 1, Block: 4, Type: LOT

PNT#	Bearing	Distance	Northing	Easting
1520			11637.773	10374.937
	S 17°25'30" W	612.52		
512			11053.361	10191.513
	S 42°32'20" W	307.61		
506			10826.709	9983.541
	N 47°27'40" W	127.11		
1025			10912.643	9889.887
Radius: 30.00 Length: 35.78 Chord: 33.70 Delta: 68°20'25"				
Chord BRG: N 13°17'27" W Rad-In: N 42°32'20" E Rad-Out: S 69°07'15" E				
Radius Pt: 1026 10934.748,9910.170 Tangent: 20.37 Dir: Right				
Tangent-In: N 47°27'40" W Tangent-Out: N 20°52'45" E Tangential-In				
Tangential-Out				
1027			10945.440	9882.140
Radius: 175.00 Length: 84.71 Chord: 83.89 Delta: 27°44'09"				
Chord BRG: N 07°00'41" E Rad-In: N 69°07'15" W Rad-Out: S 83°08'36" W				
Radius Pt: 1005 11007.810,9718.632 Tangent: 43.20 Dir: Left				
Tangent-In: N 20°52'45" E Tangent-Out: N 06°51'24" W Tangential-In				
Tangential-Out				
1006			11028.702	9892.380
	N 06°51'24" W	101.05		
1007			11129.025	9880.317
Radius: 125.00 Length: 48.43 Chord: 48.12 Delta: 22°11'49"				
Chord BRG: N 04°14'31" E Rad-In: N 83°08'36" E Rad-Out: S 74°39'34" E				
Radius Pt: 1008 11143.948,10004.423 Tangent: 24.52 Dir: Right				
Tangent-In: N 06°51'24" W Tangent-Out: N 15°20'26" E Tangential-In				
Tangential-Out				
1009			11177.017	9883.876
	N 15°20'26" E	34.23		
1010			11210.029	9892.932
Radius: 125.00 Length: 9.39 Chord: 9.39 Delta: 4°18'21"				
Chord BRG: N 17°29'36" E Rad-In: S 74°39'34" E Rad-Out: S 70°21'13" E				
Radius Pt: 1011 11176.959,10013.479 Tangent: 4.70 Dir: Right				
Tangent-In: N 15°20'26" E Tangent-Out: N 19°38'47" E Tangential-In				
Tangential-Out				
1012			11218.986	9895.755
Radius: 30.00 Length: 44.80 Chord: 40.75 Delta: 85°33'16"				
Chord BRG: N 62°25'25" E Rad-In: S 70°21'13" E Rad-Out: S 15°12'03" W				
Radius Pt: 1013 11208.900,9924.009 Tangent: 27.76 Dir: Right				
Tangent-In: N 19°38'47" E Tangent-Out: S 74°47'57" E Tangential-In				
Tangential-Out				
1014			11237.850	9931.875
Radius: 80.00 Length: 176.86 Chord: 142.98 Delta: 126°39'59"				
Chord BRG: N 41°52'03" E Rad-In: N 15°12'03" E Rad-Out: S 68°32'03" W				

Radius Pt: 1015 11315.051,9952.851 Tangent: 159.29 Dir: Left
Tangent-In: S 74°47'57" E Tangent-Out: N 21°27'57" W Tangential-In Non
Tangential-Out

1521 11344.327 10027.302
N 49°49'54" E 454.93

1520 11637.773 10374.937

Closure Error Distance> 0.0037 Error Bearing> S 64°18'46" E

Closure Precision> 1 in 546324.9 Total Distance> 2037.42

Area: 166018 Sq. Feet, 3.8112 Acres

Lot: **PARCEL B**, Block: 4, Type: LOT

PNT#	Bearing	Distance	Northing	Easting
660			12186.320	10547.106
	S 17°25'30" W	574.93		
1520			11637.773	10374.937
	N 74°38'06" W	403.65		
1023			11744.727	9985.718
	N 15°22'04" E	106.52		
26			11847.439	10013.948
	N 15°37'03" E	121.75		
852			11964.696	10046.725
	N 14°03'58" E	120.96		
853			12082.029	10076.123
	N 16°20'50" E	71.64		
25			12150.777	10096.288
	N 57°22'00" W	156.52		
854			12235.183	9964.475
	N 61°02'00" W	21.07		
24			12245.388	9946.039
	N 59°56'05" W	52.51		
855			12271.694	9900.595
	N 52°35'59" W	34.58		
856			12292.697	9873.124
	N 56°18'07" W	100.00		
857			12348.179	9789.927
	N 69°17'36" W	12.73		
858			12352.680	9778.019
	N 58°13'22" W	68.44		
859			12388.721	9719.838
	N 77°07'32" E	175.14		
21			12427.746	9890.577
	N 75°56'09" E	84.42		
860			12448.260	9972.467
	N 87°37'17" E	60.83		
861			12450.785	10033.244
	N 89°21'39" E	18.10		
862			12450.987	10051.343
	N 86°52'34" E	52.98		
20			12453.874	10104.241
	N 89°09'33" E	106.64		

863			12455.438	10210.865
	S 17°44'55" E	22.42		
864			12434.086	10217.700
	S 24°41'39" E	37.01		
865			12400.460	10233.161
	S 27°28'30" E	41.92		
866			12363.268	10252.502
	S 23°15'55" E	20.70		
867			12344.251	10260.678
	S 31°46'55" E	10.46		
868			12335.360	10266.187
	S 23°22'10" E	40.00		
869			12298.641	10282.053
	S 02°53'36" E	20.95		
870			12277.718	10283.111
	S 06°39'36" W	15.17		
871			12262.650	10281.351
	S 00°44'28" W	29.75		
872			12232.903	10280.966
	S 63°58'13" E	7.18		
873			12229.752	10287.418
	S 54°28'37" E	28.01		
874			12213.477	10310.215
	S 58°32'58" E	12.67		
875			12206.866	10321.023
	S 55°31'43" E	37.02		
876			12185.913	10351.543
	S 60°45'56" E	12.31		
877			12179.901	10362.285
	S 54°59'20" E	54.27		
878			12148.764	10406.734
	S 67°30'41" E	28.24		
879			12137.962	10432.827
	S 80°38'41" E	24.19		
880			12134.030	10456.695
	N 78°44'25" E	14.85		
881			12136.930	10471.259
	N 62°38'11" E	30.21		
882			12150.815	10498.089
	N 54°04'56" E	60.52		
660			12186.320	10547.106

Closure Error Distance> 0.0082 Error Bearing> N 08°09'57" W
 Closure Precision> 1 in 351320.8 Total Distance> 2891.27
 Area: 312772 Sq. Feet, 7.1803 Acres

Lot: BOUNDARY , Block: 1, Type: PERIMETER				
PNT#	Bearing	Distance	Northing	Easting
660			12186.320	10547.106
	S 17°25'30" W	1187.45		
512			11053.361	10191.513

506	S 42°32'20" W	307.61	10826.709	9983.541
504	N 47°27'40" W	100.00	10894.318	9909.859
883	S 70°12'52" W	105.37	10858.650	9810.708
12	N 44°43'57" W	75.77	10912.474	9757.384
884	N 15°20'26" E	812.84	11696.353	9972.423
26	N 15°22'04" E	156.69	11847.439	10013.948
852	N 15°37'03" E	121.75	11964.696	10046.725
853	N 14°03'58" E	120.96	12082.029	10076.123
25	N 16°20'50" E	71.64	12150.777	10096.288
854	N 57°22'00" W	156.52	12235.183	9964.475
24	N 61°02'00" W	21.07	12245.388	9946.039
855	N 59°56'05" W	52.51	12271.694	9900.595
856	N 52°35'59" W	34.58	12292.697	9873.124
857	N 56°18'07" W	100.00	12348.179	9789.927
858	N 69°17'36" W	12.73	12352.680	9778.019
859	N 58°13'22" W	68.44	12388.721	9719.838
21	N 77°07'32" E	175.14	12427.746	9890.577
860	N 75°56'09" E	84.42	12448.260	9972.467
861	N 87°37'17" E	60.83	12450.785	10033.244
862	N 89°21'39" E	18.10	12450.987	10051.343
20	N 86°52'34" E	52.98	12453.874	10104.241
863	N 89°09'33" E	106.64	12455.438	10210.865
864	S 17°44'55" E	22.42	12434.086	10217.700
865	S 24°41'39" E	37.01	12400.460	10233.161
866	S 27°28'30" E	41.92	12363.268	10252.502

	S 23°15'55" E	20.70		
867			12344.251	10260.678
	S 31°46'55" E	10.46		
868			12335.360	10266.187
	S 23°22'10" E	40.00		
869			12298.641	10282.053
	S 02°53'36" E	20.95		
870			12277.718	10283.111
	S 06°39'36" W	15.17		
871			12262.650	10281.351
	S 00°44'28" W	29.75		
872			12232.903	10280.966
	S 63°58'13" E	7.18		
873			12229.752	10287.418
	S 54°28'37" E	28.01		
874			12213.477	10310.215
	S 58°32'58" E	12.67		
875			12206.866	10321.023
	S 55°31'43" E	37.02		
876			12185.913	10351.543
	S 60°45'56" E	12.31		
877			12179.901	10362.285
	S 54°59'20" E	54.27		
878			12148.764	10406.734
	S 67°30'41" E	28.24		
879			12137.962	10432.827
	S 80°38'41" E	24.19		
880			12134.030	10456.695
	N 78°44'25" E	14.85		
881			12136.930	10471.259
	N 62°38'11" E	30.21		
882			12150.815	10498.089
	N 54°04'56" E	60.52		
660			12186.320	10547.106

Closure Error Distance> 0.0076 Error Bearing> N 67°06'20" W

Closure Precision> 1 in 597706.7 Total Distance> 4551.90

Area: 634572 Sq. Feet, 14.5678 Acres

Lot: **PARCEL A**, Block: 4, Type: LOT

PNT#	Bearing	Distance	Northing	Easting
1019			11022.733	9842.738

Radius: 125.00 Length: 113.72 Chord: 109.84 Delta: 52°07'26"

Chord BRG: S 19°12'19" W Rad-In: S 83°08'36" W Rad-Out: N 44°43'57" W

Radius Pt: 1005 11007.810, 9718.632 Tangent: 61.13 Dir: Right

Tangent-In: S 06°51'24" E Tangent-Out: S 45°16'03" W Non Tangential-In

Tangential-Out

1020			10919.010	9806.607
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S 45°16'03" W 9.57

1021			10912.276	9799.810
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Radius: 30.00 Length: 47.12 Chord: 42.43 Delta: 90°00'00"

Chord BRG: N 89°43'57" W Rad-In: N 44°43'57" W Rad-Out: N 45°16'03" E
 Radius Pt: 1022 10933.588,9778.696 Tangent: 30.00 Dir: Right
 Tangent-In: S 45°16'03" W Tangent-Out: N 44°43'57" W Tangential-In Non
 Tangential-Out
 12 10912.474 9757.384
 N 15°20'26" E 439.95
 1049 11336.744 9873.773
 S 74°39'34" E 2.00
 1016 11336.215 9875.702
 S 15°20'26" W 151.36
 1017 11190.245 9835.658
 Radius: 175.00 Length: 67.80 Chord: 67.37 Delta: 22°11'49"
 Chord BRG: S 04°14'31" W Rad-In: S 74°39'34" E Rad-Out: N 83°08'36" E
 Radius Pt: 1008 11143.948,10004.423 Tangent: 34.33 Dir: Left
 Tangent-In: S 15°20'26" W Tangent-Out: S 06°51'24" E Tangential-In
 Tangential-Out
 1018 11123.056 9830.674
 S 06°51'24" E 101.05
 1019 11022.733 9842.738
 Closure Error Distance> 0.0032 Error Bearing> S 59°56'38" E
 Closure Precision> 1 in 293550.9 Total Distance> 932.56
 Area: 11104 Sq. Feet, 0.2549 Acres

Block 1 Total Area: 634572 Sq. Feet, 14.5678 Acres

Block 4 Total Area: 634572 Sq. Feet, 14.5678 Acres

Totals: Area: 1269144 Sq. Feet, 29.1355 Acres