

Amber

## End Area Volume Report

Report Created: 3/26/2018  
Time: 3:49pm

**Cross Section Set Name:** DE8

**Alignment Name:** DE8

**Input Grid Factor:** 1.000000 **Note:** All units in this report are in feet, square feet and cubic yards unless specified otherwise.

----- Station Quantities -----								----- Added Quantities -----							
Baseline	----- Cut -----			----- Fill -----				----- Cut -----			----- Fill -----			Mass	
Station	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	Ordinate
219+50.00	1.00	11.78	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
219+70.00	1.00	2.06	5.13	5.13	1.00	2.17	0.80	0.80	1.00	0.00	0.00	1.00	0.00	0.00	4.32
Grand Total:			5.13	5.13			0.80	0.80			0.00	0.00	0.00	0.00	

Benton A

End Area Volume Report

Report Created: 2/12/2018  
Time: 9:26am

Cross Section Set Name: DE1\_2

Alignment Name: DE1

Input Grid Factor: 1.000000

Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	----- Station Quantities -----								----- Added Quantities -----						Mass Ordinate
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	
19+12.52	1.00	5.79	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
19+50.00	1.00	11.67	12.12	12.12	1.00	1.37	0.95	0.95	1.00	0.00	0.00	1.00	0.00	0.00	11.17
20+00.00	1.00	19.64	28.99	28.99	1.00	8.52	9.16	9.16	1.00	0.00	0.00	1.00	0.00	0.00	30.99
20+50.00	1.00	28.92	44.96	44.96	1.00	27.95	33.77	33.77	1.00	0.00	0.00	1.00	0.00	0.00	42.18
21+00.00	1.00	31.48	55.93	55.93	1.00	47.78	70.12	70.12	1.00	0.00	0.00	1.00	0.00	0.00	27.99
21+18.52															0.00
21+50.00	1.00	7.95	36.51	36.51	1.00	73.28	112.09	112.09	1.00	0.00	0.00	1.00	0.00	0.00	-47.59
22+00.00	1.00	13.02	19.42	19.42	1.00	78.30	140.35	140.35	1.00	0.00	0.00	1.00	0.00	0.00	-168.52
22+50.00	1.00	16.12	26.98	26.98	1.00	96.02	161.41	161.41	1.00	0.00	0.00	1.00	0.00	0.00	-302.95
23+00.00	1.00	13.97	27.86	27.86	1.00	101.35	182.75	182.75	1.00	0.00	0.00	1.00	0.00	0.00	-457.85
23+50.00	1.00	4.64	17.23	17.23	1.00	129.58	213.82	213.82	1.00	0.00	0.00	1.00	0.00	0.00	-654.44
24+00.00	1.00	2.59	6.69	6.69	1.00	179.17	285.88	285.88	1.00	0.00	0.00	1.00	0.00	0.00	-933.63
24+50.00	1.00	1.57	3.85	3.85	1.00	0.00	165.90	165.90	1.00	0.00	0.00	1.00	0.00	0.00	-1095.67
25+00.00	1.00	0.15	1.59	1.59	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1094.08
25+50.00	1.00	0.00	0.13	0.13	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1093.95
26+00.00	1.00	1.41	1.30	1.30	1.00	270.95	250.88	250.88	1.00	0.00	0.00	1.00	0.00	0.00	-1343.53
26+50.00	1.00	2.90	3.99	3.99	1.00	436.92	655.43	655.43	1.00	0.00	0.00	1.00	0.00	0.00	-1994.97
27+00.00	1.00	5.77	8.03	8.03	1.00	514.93	881.34	881.34	1.00	0.00	0.00	1.00	0.00	0.00	-2868.28
27+50.00	1.00	8.68	13.38	13.38	1.00	528.09	965.76	965.76	1.00	0.00	0.00	1.00	0.00	0.00	-3820.66
28+00.00	1.00	10.53	17.79	17.79	1.00	547.29	995.72	995.72	1.00	0.00	0.00	1.00	0.00	0.00	-4798.60
28+50.00	1.00	20.29	28.54	28.54	1.00	389.54	867.43	867.43	1.00	0.00	0.00	1.00	0.00	0.00	-5637.49
29+00.00	1.00	28.62	45.29	45.29	1.00	236.14	579.33	579.33	1.00	0.00	0.00	1.00	0.00	0.00	-6171.54
29+50.00	1.00	37.65	61.35	61.35	1.00	134.78	343.44	343.44	1.00	0.00	0.00	1.00	0.00	0.00	-6453.63
30+00.00	1.00	49.18	80.39	80.39	1.00	84.27	202.82	202.82	1.00	0.00	0.00	1.00	0.00	0.00	-6576.05
30+50.00	1.00	62.04	102.98	102.98	1.00	46.91	121.46	121.46	1.00	0.00	0.00	1.00	0.00	0.00	-6594.54
31+00.00	1.00	91.20	141.89	141.89	1.00	23.51	65.21	65.21	1.00	0.00	0.00	1.00	0.00	0.00	-6517.86
31+50.00	1.00	94.12	171.59	171.59	1.00	26.43	46.24	46.24	1.00	0.00	0.00	1.00	0.00	0.00	-6392.51
32+00.00	1.00	56.56	139.52	139.52	1.00	23.03	45.80	45.80	1.00	0.00	0.00	1.00	0.00	0.00	-6298.78
32+50.00	1.00	71.91	118.96	118.96	1.00	92.13	106.64	106.64	1.00	0.00	0.00	1.00	0.00	0.00	-6286.46
33+00.00	1.00	34.56	98.58	98.58	1.00	148.30	222.62	222.62	1.00	0.00	0.00	1.00	0.00	0.00	-6410.51
33+50.00	1.00	33.50	63.02	63.02	1.00	175.31	299.63	299.63	1.00	0.00	0.00	1.00	0.00	0.00	-6647.12
34+00.00	1.00	33.41	61.96	61.96	1.00	162.69	312.96	312.96	1.00	0.00	0.00	1.00	0.00	0.00	-6898.12
34+50.00	1.00	36.36	64.60	64.60	1.00	194.01	330.28	330.28	1.00	0.00	0.00	1.00	0.00	0.00	-7163.80
35+00.00	1.00	39.87	70.58	70.58	1.00	208.04	372.28	372.28	1.00	0.00	0.00	1.00	0.00	0.00	-7465.49
35+50.00	1.00	54.21	87.11	87.11	1.00	215.74	392.40	392.40	1.00	0.00	0.00	1.00	0.00	0.00	-7770.78
36+00.00	1.00	74.55	119.22	119.22	1.00	241.89	423.73	423.73	1.00	0.00	0.00	1.00	0.00	0.00	-8075.29
36+50.00	1.00	108.25	169.26	169.26	1.00	244.25	450.13	450.13	1.00	0.00	0.00	1.00	0.00	0.00	-8356.17
37+00.00	1.00	154.40	243.19	243.19	1.00	227.17	436.51	436.51	1.00	0.00	0.00	1.00	0.00	0.00	-8549.48
37+50.00	1.00	211.14	338.46	338.46	1.00	213.47	408.01	408.01	1.00	0.00	0.00	1.00	0.00	0.00	-8619.03
38+00.00	1.00	266.07	441.86	441.86	1.00	187.35	371.14	371.14	1.00	0.00	0.00	1.00	0.00	0.00	-8548.31
38+50.00	1.00	274.88	500.88	500.88	1.00	167.56	328.62	328.62	1.00	0.00	0.00	1.00	0.00	0.00	-8376.05
39+00.00	1.00	267.42	502.14	502.14	1.00	151.87	295.76	295.76	1.00	0.00	0.00	1.00	0.00	0.00	-8169.67
39+50.00	1.00	224.63	455.61	455.61	1.00	161.21	289.89	289.89	1.00	0.00	0.00	1.00	0.00	0.00	-8003.95
40+00.00	1.00	220.71	412.36	412.36	1.00	144.35	282.93	282.93	1.00	0.00	0.00	1.00	0.00	0.00	-7874.52
40+50.00	1.00	233.78	420.82	420.82	1.00	119.20	244.03	244.03	1.00	0.00	0.00	1.00	0.00	0.00	-7697.73
41+00.00	1.00	244.97	443.28	443.28	1.00	99.34	202.35	202.35	1.00	0.00	0.00	1.00	0.00	0.00	-7456.80
41+50.00	1.00	225.78	435.87	435.87	1.00	125.74	208.41	208.41	1.00	0.00	0.00	1.00	0.00	0.00	-7229.34
42+00.00	1.00	199.38	393.67	393.67	1.00	156.80	261.62	261.62	1.00	0.00	0.00	1.00	0.00	0.00	-7097.29

Benton A

Baseline Station	----- Station Quantities -----								----- Added Quantities -----						Mass Ordinate
	----- Cut -----				----- Fill -----				----- Cut -----		----- Fill -----				
Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted		
42+50.00	1.00	147.71	321.38	321.38	1.00	286.53	410.50	410.50	1.00	0.00	0.00	1.00	0.00	0.00	-7186.40
43+00.00	1.00	121.47	249.24	249.24	1.00	388.65	625.17	625.17	1.00	0.00	0.00	1.00	0.00	0.00	-7562.34
43+50.00	1.00	113.44	217.51	217.51	1.00	435.76	763.35	763.35	1.00	0.00	0.00	1.00	0.00	0.00	-8108.18
44+00.00	1.00	84.00	182.82	182.82	1.00	576.58	937.36	937.36	1.00	0.00	0.00	1.00	0.00	0.00	-8862.72
44+50.00	1.00	37.96	112.93	112.93	1.00	688.31	1171.19	1171.19	1.00	0.00	0.00	1.00	0.00	0.00	-9920.98
45+00.00	1.00	0.00	35.15	35.15	1.00	0.00	637.32	637.32	1.00	0.00	0.00	1.00	0.00	0.00	-
45+50.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	10523.16
46+00.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-
46+50.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	10523.16
47+00.00	1.00	0.00	0.00	0.00	1.00	967.70	896.02	896.02	1.00	0.00	0.00	1.00	0.00	0.00	-
47+50.00	1.00	130.69	121.01	121.01	1.00	662.43	1509.39	1509.39	1.00	0.00	0.00	1.00	0.00	0.00	11419.18
48+00.00	1.00	142.78	253.22	253.22	1.00	477.66	1055.64	1055.64	1.00	0.00	0.00	1.00	0.00	0.00	-
48+50.00	1.00	107.44	231.69	231.69	1.00	346.94	763.52	763.52	1.00	0.00	0.00	1.00	0.00	0.00	12807.55
49+00.00	1.00	103.81	195.60	195.60	1.00	217.34	522.48	522.48	1.00	0.00	0.00	1.00	0.00	0.00	-
49+50.00	1.00	115.22	202.80	202.80	1.00	83.17	278.25	278.25	1.00	0.00	0.00	1.00	0.00	0.00	14468.70
50+00.00	1.00	226.34	316.26	316.26	1.00	9.52	85.82	85.82	1.00	0.00	0.00	1.00	0.00	0.00	-
50+50.00	1.00	332.86	517.78	517.78	1.00	0.00	8.82	8.82	1.00	0.00	0.00	1.00	0.00	0.00	14313.70
51+00.00	1.00	319.27	603.82	603.82	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-
51+50.00	1.00	293.81	567.67	567.67	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	13804.74
52+00.00	1.00	280.27	531.56	531.56	1.00	2.35	2.18	2.18	1.00	0.00	0.00	1.00	0.00	0.00	-
52+50.00	1.00	271.63	511.02	511.02	1.00	0.00	2.18	2.18	1.00	0.00	0.00	1.00	0.00	0.00	13200.91
53+00.00	1.00	252.40	485.21	485.21	1.00	0.66	0.61	0.61	1.00	0.00	0.00	1.00	0.00	0.00	-
53+50.00	1.00	54.23	283.91	283.91	1.00	11.53	11.29	11.29	1.00	0.00	0.00	1.00	0.00	0.00	12633.25
54+00.00	1.00	41.93	89.04	89.04	1.00	0.00	10.68	10.68	1.00	0.00	0.00	1.00	0.00	0.00	-
54+50.00	1.00	51.44	86.46	86.46	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	12103.87
55+00.00	1.00	74.35	116.47	116.47	1.00	3.57	3.30	3.30	1.00	0.00	0.00	1.00	0.00	0.00	-
55+50.00	1.00	162.27	219.09	219.09	1.00	2.17	5.31	5.31	1.00	0.00	0.00	1.00	0.00	0.00	11595.03
56+00.00	1.00	140.85	280.67	280.67	1.00	1.65	3.53	3.53	1.00	0.00	0.00	1.00	0.00	0.00	-
56+50.00	1.00	149.25	268.61	268.61	1.00	0.72	2.19	2.19	1.00	0.00	0.00	1.00	0.00	0.00	11110.43
Grand Total:		13540.63	13540.63			23343.11	23343.11		0.00	0.00		0.00	0.00		

Benton B

End Area Volume Report

Report Created: 2/12/2018  
Time: 10:18am

Cross Section Set Name: DE1\_1

Alignment Name: DE1

Input Grid Factor: 1.000000

Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	----- Station Quantities -----								----- Added Quantities -----						Mass
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	
57+00.00	1.00	183.11	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
57+50.00	1.00	221.08	374.26	374.26	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	374.26
58+00.00	1.00	291.86	474.95	474.95	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	849.20
58+50.00	1.00	341.53	586.47	586.47	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1435.67
59+00.00	1.00	410.90	696.70	696.70	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	2132.37
59+20.00	1.00	526.76	347.28	347.28	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	2479.66
59+40.00	1.00	613.74	422.41	422.41	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	2902.06
59+60.00	1.00	614.56	454.93	454.93	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	3356.99
59+80.00	1.00	602.71	450.84	450.84	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	3807.83
60+00.00	1.00	865.64	543.83	543.83	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	4351.67
60+20.00	1.00	679.40	572.24	572.24	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	4923.90
60+40.00	1.00	689.70	507.08	507.08	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	5430.98
60+60.00	1.00	699.21	514.41	514.41	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	5945.39
60+80.00	1.00	660.97	503.77	503.77	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	6449.16
61+00.00	1.00	643.47	483.12	483.12	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	6932.29
61+20.00	1.00	782.06	527.98	527.98	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	7460.26
61+40.00	1.00	533.37	487.20	487.20	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	7947.46
61+60.00	1.00	637.07	433.50	433.50	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	8380.96
61+80.00	1.00	258.97	331.87	331.87	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	8712.82
62+00.00	1.00	405.28	246.02	246.02	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	8958.84
62+20.00	1.00	220.02	231.59	231.59	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	9190.43
62+40.00	1.00	159.42	140.53	140.53	1.00	3.31	1.23	1.23	1.00	0.00	0.00	1.00	0.00	0.00	9329.74
62+60.00	1.00	105.52	98.12	98.12	1.00	19.62	8.49	8.49	1.00	0.00	0.00	1.00	0.00	0.00	9419.37
62+80.00	1.00	80.80	69.01	69.01	1.00	56.70	28.26	28.26	1.00	0.00	0.00	1.00	0.00	0.00	9460.11
63+00.00	1.00	63.56	53.47	53.47	1.00	114.63	63.46	63.46	1.00	0.00	0.00	1.00	0.00	0.00	9450.13
63+20.00	1.00	5.86	25.71	25.71	1.00	154.99	99.86	99.86	1.00	0.00	0.00	1.00	0.00	0.00	9375.98
63+40.00	1.00	9.24	5.59	5.59	1.00	311.63	172.82	172.82	1.00	0.00	0.00	1.00	0.00	0.00	9208.75
63+60.00	1.00	67.71	28.50	28.50	1.00	75.33	143.32	143.32	1.00	0.00	0.00	1.00	0.00	0.00	9093.93
63+80.00	1.00	22.17	33.29	33.29	1.00	689.66	283.33	283.33	1.00	0.00	0.00	1.00	0.00	0.00	8843.89
64+00.00	1.00	0.00	8.21	8.21	1.00	1314.16	742.16	742.16	1.00	0.00	0.00	1.00	0.00	0.00	8109.94
64+20.00	1.00	0.00	0.00	0.00	1.00	1201.09	931.58	931.58	1.00	0.00	0.00	1.00	0.00	0.00	7178.37
64+40.00	1.00	0.01	0.00	0.00	1.00	862.14	764.16	764.16	1.00	0.00	0.00	1.00	0.00	0.00	6414.21
64+60.00	1.00	0.00	0.00	0.00	1.00	330.75	441.81	441.81	1.00	0.00	0.00	1.00	0.00	0.00	5972.40
64+80.00	1.00	0.00	0.00	0.00	1.00	1429.33	651.88	651.88	1.00	0.00	0.00	1.00	0.00	0.00	5320.52
65+00.00	1.00	0.00	0.00	0.00	1.00	1157.69	958.16	958.16	1.00	0.00	0.00	1.00	0.00	0.00	4362.36
65+20.00	1.00	0.00	0.00	0.00	1.00	1255.70	893.85	893.85	1.00	0.00	0.00	1.00	0.00	0.00	3468.51
65+40.00	1.00	0.00	0.00	0.00	1.00	1545.39	1037.44	1037.44	1.00	0.00	0.00	1.00	0.00	0.00	2431.07
65+60.00	1.00	0.00	0.00	0.00	1.00	1798.20	1238.36	1238.36	1.00	0.00	0.00	1.00	0.00	0.00	1192.71
65+80.00	1.00	0.01	0.00	0.00	1.00	1070.60	1062.52	1062.52	1.00	0.00	0.00	1.00	0.00	0.00	130.19
65+83.54															0.00
66+00.00	1.00	0.00	0.00	0.00	1.00	914.39	735.18	735.18	1.00	0.00	0.00	1.00	0.00	0.00	-604.99
66+20.00	1.00	0.00	0.00	0.00	1.00	683.50	591.81	591.81	1.00	0.00	0.00	1.00	0.00	0.00	-1196.80
66+40.00	1.00	0.00	0.00	0.00	1.00	795.38	547.73	547.73	1.00	0.00	0.00	1.00	0.00	0.00	-1744.53
66+60.00	1.00	0.00	0.00	0.00	1.00	824.82	600.08	600.08	1.00	0.00	0.00	1.00	0.00	0.00	-2344.61
66+80.00	1.00	0.00	0.00	0.00	1.00	803.12	602.94	602.94	1.00	0.00	0.00	1.00	0.00	0.00	-2947.55
67+00.00	1.00	0.00	0.00	0.00	1.00	1244.31	758.30	758.30	1.00	0.00	0.00	1.00	0.00	0.00	-3705.86
67+20.00	1.00	0.00	0.00	0.00	1.00	652.05	702.35	702.35	1.00	0.00	0.00	1.00	0.00	0.00	-4408.21
67+50.00	1.00	0.00	0.00	0.00	1.00	297.04	527.27	527.27	1.00	0.00	0.00	1.00	0.00	0.00	-4935.48

Benton B

Baseline Station	----- Station Quantities -----								----- Added Quantities -----						Mass Ordinate
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	
68+00.00	1.00	0.00	0.00	0.00	1.00	205.73	465.53	465.53	1.00	0.00	0.00	1.00	0.00	0.00	-5401.01
68+50.00	1.00	0.00	0.00	0.00	1.00	148.30	327.81	327.81	1.00	0.00	0.00	1.00	0.00	0.00	-5728.82
69+00.00	1.00	28.48	26.37	26.37	1.00	108.86	238.11	238.11	1.00	0.00	0.00	1.00	0.00	0.00	-5940.56
69+50.00	1.00	40.47	63.84	63.84	1.00	75.85	171.03	171.03	1.00	0.00	0.00	1.00	0.00	0.00	-6047.74
Grand Total:			9743.09	9743.09			15790.84	15790.84		0.00	0.00		0.00	0.00	

Benton C

End Area Volume Report

Report Created: 3/19/2018  
Time: 6:24pm

Cross Section Set Name: DE1

Alignment Name: DE1

Input Grid Factor: 1.000000

Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	----- Station Quantities -----						----- Added Quantities -----						Mass Ordinate		
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor		Volume	Adjusted
70+00.00	1.00	48.95	0.00	0.00	1.00	55.84	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
70+50.00	1.00	48.41	90.15	90.15	1.00	55.84	103.40	103.40	1.00	0.00	0.00	1.00	0.00	0.00	-13.25
71+00.00	1.00	12.53	56.42	56.42	1.00	70.10	116.61	116.61	1.00	0.00	0.00	1.00	0.00	0.00	-73.44
71+50.00	1.00	13.04	23.68	23.68	1.00	76.93	136.14	136.14	1.00	0.00	0.00	1.00	0.00	0.00	-185.90
72+00.00	1.00	6.00	17.64	17.64	1.00	92.80	157.16	157.16	1.00	0.00	0.00	1.00	0.00	0.00	-325.42
72+50.00	1.00	0.00	5.56	5.56	1.00	110.11	187.88	187.88	1.00	0.00	0.00	1.00	0.00	0.00	-507.74
73+00.00	1.00	42.50	39.35	39.35	1.00	144.99	236.21	236.21	1.00	0.00	0.00	1.00	0.00	0.00	-704.61
73+50.00	1.00	32.87	69.78	69.78	1.00	158.49	281.00	281.00	1.00	0.00	0.00	1.00	0.00	0.00	-915.82
74+00.00	1.00	25.30	53.86	53.86	1.00	179.47	312.93	312.93	1.00	0.00	0.00	1.00	0.00	0.00	-1174.89
74+50.00	1.00	21.68	43.50	43.50	1.00	187.27	339.58	339.58	1.00	0.00	0.00	1.00	0.00	0.00	-1470.97
75+00.00	1.00	15.12	34.07	34.07	1.00	198.49	357.18	357.18	1.00	0.00	0.00	1.00	0.00	0.00	-1794.08
75+50.00	1.00	16.42	29.21	29.21	1.00	179.28	349.78	349.78	1.00	0.00	0.00	1.00	0.00	0.00	-2114.65
76+00.00	1.00	22.18	35.74	35.74	1.00	155.34	309.83	309.83	1.00	0.00	0.00	1.00	0.00	0.00	-2388.74
76+50.00	1.00	21.48	40.43	40.43	1.00	158.44	290.54	290.54	1.00	0.00	0.00	1.00	0.00	0.00	-2638.86
77+00.00	1.00	19.84	38.26	38.26	1.00	167.57	301.87	301.87	1.00	0.00	0.00	1.00	0.00	0.00	-2902.47
77+50.00	1.00	8.11	25.87	25.87	1.00	183.13	324.73	324.73	1.00	0.00	0.00	1.00	0.00	0.00	-3201.32
78+00.00	1.00	4.89	12.03	12.03	1.00	186.22	341.99	341.99	1.00	0.00	0.00	1.00	0.00	0.00	-3531.28
78+50.00	1.00	4.55	8.74	8.74	1.00	173.75	333.31	333.31	1.00	0.00	0.00	1.00	0.00	0.00	-3855.85
79+00.00	1.00	8.43	12.02	12.02	1.00	150.43	300.16	300.16	1.00	0.00	0.00	1.00	0.00	0.00	-4143.99
79+50.00	1.00	11.91	18.84	18.84	1.00	125.63	255.61	255.61	1.00	0.00	0.00	1.00	0.00	0.00	-4380.76
80+00.00	1.00	14.31	24.28	24.28	1.00	109.09	217.33	217.33	1.00	0.00	0.00	1.00	0.00	0.00	-4573.82
80+50.00	1.00	9.49	22.03	22.03	1.00	93.07	187.18	187.18	1.00	0.00	0.00	1.00	0.00	0.00	-4738.97
81+00.00	1.00	17.73	25.20	25.20	1.00	67.02	148.23	148.23	1.00	0.00	0.00	1.00	0.00	0.00	-4862.00
81+50.00	1.00	23.28	37.97	37.97	1.00	55.99	113.90	113.90	1.00	0.00	0.00	1.00	0.00	0.00	-4937.92
82+00.00	1.00	20.79	40.81	40.81	1.00	57.03	104.65	104.65	1.00	0.00	0.00	1.00	0.00	0.00	-5001.76
82+50.00	1.00	29.13	46.22	46.22	1.00	37.79	87.80	87.80	1.00	0.00	0.00	1.00	0.00	0.00	-5043.33
83+00.00	1.00	81.86	102.76	102.76	1.00	7.19	41.65	41.65	1.00	0.00	0.00	1.00	0.00	0.00	-4982.21
83+50.00	1.00	106.79	174.67	174.67	1.00	3.17	9.59	9.59	1.00	0.00	0.00	1.00	0.00	0.00	-4817.14
84+00.00	1.00	133.95	222.90	222.90	1.00	1.20	4.04	4.04	1.00	0.00	0.00	1.00	0.00	0.00	-4598.28
84+50.00	1.00	161.02	273.12	273.12	1.00	0.60	1.66	1.66	1.00	0.00	0.00	1.00	0.00	0.00	-4326.82
85+00.00	1.00	330.64	455.24	455.24	1.00	9.24	9.11	9.11	1.00	0.00	0.00	1.00	0.00	0.00	-3880.69
85+20.00	1.00	371.58	260.08	260.08	1.00	9.76	7.04	7.04	1.00	0.00	0.00	1.00	0.00	0.00	-3627.64
85+40.00	1.00	290.68	245.28	245.28	1.00	7.20	6.28	6.28	1.00	0.00	0.00	1.00	0.00	0.00	-3388.65
85+60.00	1.00	436.99	269.51	269.51	1.00	9.15	6.06	6.06	1.00	0.00	0.00	1.00	0.00	0.00	-3125.20
85+80.00	1.00	352.33	292.34	292.34	1.00	8.53	6.55	6.55	1.00	0.00	0.00	1.00	0.00	0.00	-2839.40
86+00.00	1.00	238.21	218.72	218.72	1.00	5.37	5.15	5.15	1.00	0.00	0.00	1.00	0.00	0.00	-2625.83
86+20.00	1.00	383.24	230.17	230.17	1.00	13.88	7.13	7.13	1.00	0.00	0.00	1.00	0.00	0.00	-2402.80
86+40.00	1.00	396.75	288.88	288.88	1.00	21.74	13.19	13.19	1.00	0.00	0.00	1.00	0.00	0.00	-2127.11
86+60.00	1.00	409.02	298.43	298.43	1.00	31.23	19.62	19.62	1.00	0.00	0.00	1.00	0.00	0.00	-1848.29
86+80.00	1.00	417.54	306.13	306.13	1.00	34.68	24.41	24.41	1.00	0.00	0.00	1.00	0.00	0.00	-1566.57
87+00.00	1.00	526.08	349.49	349.49	1.00	51.25	31.83	31.83	1.00	0.00	0.00	1.00	0.00	0.00	-1248.91
87+20.00	1.00	386.18	337.87	337.87	1.00	47.40	36.54	36.54	1.00	0.00	0.00	1.00	0.00	0.00	-947.58
87+40.00	1.00	498.53	327.67	327.67	1.00	19.24	24.68	24.68	1.00	0.00	0.00	1.00	0.00	0.00	-644.59
87+60.00	1.00	414.12	338.02	338.02	1.00	64.77	31.11	31.11	1.00	0.00	0.00	1.00	0.00	0.00	-337.69
87+80.00	1.00	268.71	252.90	252.90	1.00	32.58	36.06	36.06	1.00	0.00	0.00	1.00	0.00	0.00	-120.85
87+94.63															0.00
88+00.00	1.00	260.29	195.92	195.92	1.00	50.45	30.75	30.75	1.00	0.00	0.00	1.00	0.00	0.00	44.32

Benton C

Baseline Station	----- Station Quantities -----								----- Added Quantities -----						Mass Ordnate
	Factor	----- Cut -----			----- Fill -----			Factor	----- Cut -----			----- Fill -----			
		Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	
88+20.00	1.00	213.22	175.37	175.37	1.00	36.05	32.04	32.04	1.00	0.00	0.00	1.00	0.00	0.00	187.66
88+40.00	1.00	190.73	149.61	149.61	1.00	60.92	35.91	35.91	1.00	0.00	0.00	1.00	0.00	0.00	301.35
88+60.00	1.00	275.25	172.59	172.59	1.00	65.13	46.69	46.69	1.00	0.00	0.00	1.00	0.00	0.00	427.25
88+80.00	1.00	149.67	157.38	157.38	1.00	54.04	44.14	44.14	1.00	0.00	0.00	1.00	0.00	0.00	540.49
89+00.00	1.00	111.26	96.64	96.64	1.00	76.70	48.42	48.42	1.00	0.00	0.00	1.00	0.00	0.00	588.71
89+20.00	1.00	161.46	101.01	101.01	1.00	147.75	83.13	83.13	1.00	0.00	0.00	1.00	0.00	0.00	606.59
89+40.00	1.00	156.08	117.61	117.61	1.00	144.48	108.24	108.24	1.00	0.00	0.00	1.00	0.00	0.00	615.96
89+60.00	1.00	182.74	125.49	125.49	1.00	213.06	132.42	132.42	1.00	0.00	0.00	1.00	0.00	0.00	609.03
89+80.00	1.00	35.08	80.68	80.68	1.00	503.26	265.30	265.30	1.00	0.00	0.00	1.00	0.00	0.00	424.40
90+00.00	1.00	0.00	12.99	12.99	1.00	433.46	346.93	346.93	1.00	0.00	0.00	1.00	0.00	0.00	90.46
<hr/>															
90+03.11															0.00
<hr/>															
90+20.00	1.00	7.06	2.62	2.62	1.00	1143.17	583.94	583.94	1.00	0.00	0.00	1.00	0.00	0.00	-490.86
90+40.00	1.00	0.00	2.62	2.62	1.00	1509.45	982.45	982.45	1.00	0.00	0.00	1.00	0.00	0.00	-1470.69
<hr/>															
Grand Total:		7486.37	7486.37			8957.06	8957.06			0.00	0.00		0.00	0.00	
<hr/>															

Highlands A

End Area Volume Report

Report Created: 3/19/2018  
Time: 6:26pm

Cross Section Set Name: DE2

Alignment Name:

Input Grid Factor: 1.000000 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	----- Station Quantities -----								----- Added Quantities -----								Mass Ordinate
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted			
128+15.00	1.00	19.73	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00		
128+50.00	1.00	21.52	26.74	26.74	1.00	0.10	0.07	0.07	1.00	0.00	0.00	1.00	0.00	0.00	26.67		
129+00.00	1.00	20.90	39.28	39.28	1.00	8.62	8.08	8.08	1.00	0.00	0.00	1.00	0.00	0.00	57.87		
129+50.00	1.00	78.45	91.98	91.98	1.00	13.56	20.54	20.54	1.00	0.00	0.00	1.00	0.00	0.00	129.31		
130+00.00	1.00	0.00	72.64	72.64	1.00	0.00	12.56	12.56	1.00	0.00	0.00	1.00	0.00	0.00	189.39		
130+20.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	189.39		
Grand Total:		230.64	230.64			41.24	41.24			0.00	0.00		0.00	0.00			



Highlands B

End Area Volume Report

Report Created: 3/27/2018  
Time: 10:25am

Cross Section Set Name: DE52

Alignment Name: DE52

Input Grid Factor: 1.000000

Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	----- Station Quantities -----						----- Added Quantities -----						Mass Ordinate		
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor		Volume	Adjusted
630+20.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
630+50.00	1.00	1.19	0.66	0.66	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.66
630+50.22															0.00
631+00.00	1.00	27.79	26.83	26.83	1.00	190.96	176.82	176.82	1.00	0.00	0.00	1.00	0.00	0.00	-149.32
631+50.00	1.00	7.37	32.56	32.56	1.00	237.97	397.16	397.16	1.00	0.00	0.00	1.00	0.00	0.00	-513.92
632+00.00	1.00	21.28	26.53	26.53	1.00	263.68	464.49	464.49	1.00	0.00	0.00	1.00	0.00	0.00	-951.88
632+50.00	1.00	25.75	43.55	43.55	1.00	213.87	442.18	442.18	1.00	0.00	0.00	1.00	0.00	0.00	-1350.51
633+00.00	1.00	20.44	42.77	42.77	1.00	169.81	355.26	355.26	1.00	0.00	0.00	1.00	0.00	0.00	-1663.00
633+50.00	1.00	34.13	50.52	50.52	1.00	141.31	288.07	288.07	1.00	0.00	0.00	1.00	0.00	0.00	-1900.55
634+00.00	1.00	49.37	77.32	77.32	1.00	101.98	225.27	225.27	1.00	0.00	0.00	1.00	0.00	0.00	-2048.51
Grand Total:			300.74	300.74			2349.25	2349.25		0.00	0.00		0.00	0.00	

Highlands Extension

End Area Volume Report

Report Created: 3/27/2018  
Time: 10:27am

Cross Section Set Name: DE52

Alignment Name: DE52

Input Grid Factor: 1.000000

Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	----- Station Quantities -----						----- Added Quantities -----						Mass Ordinate		
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor		Volume	Adjusted
634+00.00	1.00	49.37	0.00	0.00	1.00	101.98	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
634+50.00	1.00	40.27	83.01	83.01	1.00	62.87	152.64	152.64	1.00	0.00	0.00	1.00	0.00	0.00	-69.64
635+00.00	1.00	29.43	64.54	64.54	1.00	38.92	94.25	94.25	1.00	0.00	0.00	1.00	0.00	0.00	-99.35
635+50.00	1.00	21.03	46.72	46.72	1.00	26.64	60.71	60.71	1.00	0.00	0.00	1.00	0.00	0.00	-113.34
636+00.00	1.00	19.52	37.55	37.55	1.00	18.96	42.22	42.22	1.00	0.00	0.00	1.00	0.00	0.00	-118.01
636+50.00	1.00	21.62	38.09	38.09	1.00	15.14	31.57	31.57	1.00	0.00	0.00	1.00	0.00	0.00	-111.49
637+00.00	1.00	36.20	53.53	53.53	1.00	10.21	23.47	23.47	1.00	0.00	0.00	1.00	0.00	0.00	-81.43
637+50.00	1.00	36.39	67.21	67.21	1.00	15.15	23.47	23.47	1.00	0.00	0.00	1.00	0.00	0.00	-37.69
-----															
637+90.83															0.00
-----															
638+00.00	1.00	38.07	68.95	68.95	1.00	9.46	22.78	22.78	1.00	0.00	0.00	1.00	0.00	0.00	8.47
638+50.00	1.00	36.38	68.93	68.93	1.00	10.07	18.09	18.09	1.00	0.00	0.00	1.00	0.00	0.00	59.32
639+00.00	1.00	37.80	68.69	68.69	1.00	2.74	11.86	11.86	1.00	0.00	0.00	1.00	0.00	0.00	116.14
639+50.00	1.00	27.55	60.51	60.51	1.00	2.85	5.17	5.17	1.00	0.00	0.00	1.00	0.00	0.00	171.48
640+00.00	1.00	21.92	45.80	45.80	1.00	6.09	8.28	8.28	1.00	0.00	0.00	1.00	0.00	0.00	209.01
640+50.00	1.00	23.18	41.76	41.76	1.00	8.45	13.47	13.47	1.00	0.00	0.00	1.00	0.00	0.00	237.30
641+00.00	1.00	23.79	43.49	43.49	1.00	10.58	17.62	17.62	1.00	0.00	0.00	1.00	0.00	0.00	263.17
641+50.00	1.00	24.05	44.30	44.30	1.00	11.23	20.20	20.20	1.00	0.00	0.00	1.00	0.00	0.00	287.28
642+00.00	1.00	26.05	46.39	46.39	1.00	10.40	20.03	20.03	1.00	0.00	0.00	1.00	0.00	0.00	313.63
642+50.00	1.00	33.46	55.10	55.10	1.00	29.44	36.89	36.89	1.00	0.00	0.00	1.00	0.00	0.00	331.84
643+00.00	1.00	42.06	69.92	69.92	1.00	73.49	95.30	95.30	1.00	0.00	0.00	1.00	0.00	0.00	306.46
643+50.00	1.00	40.89	76.80	76.80	1.00	67.28	130.34	130.34	1.00	0.00	0.00	1.00	0.00	0.00	252.92
644+00.00	1.00	36.84	71.97	71.97	1.00	60.91	118.69	118.69	1.00	0.00	0.00	1.00	0.00	0.00	206.20
644+50.00	1.00	39.21	70.41	70.41	1.00	72.46	123.49	123.49	1.00	0.00	0.00	1.00	0.00	0.00	153.12
645+00.00	1.00	34.23	67.99	67.99	1.00	80.52	141.65	141.65	1.00	0.00	0.00	1.00	0.00	0.00	79.46
-----															
645+47.48															0.00
-----															
645+50.00	1.00	23.52	53.47	53.47	1.00	67.59	137.15	137.15	1.00	0.00	0.00	1.00	0.00	0.00	-4.22
646+00.00	1.00	16.37	36.94	36.94	1.00	45.90	105.09	105.09	1.00	0.00	0.00	1.00	0.00	0.00	-72.37
646+50.00	1.00	10.39	24.78	24.78	1.00	28.16	68.57	68.57	1.00	0.00	0.00	1.00	0.00	0.00	-116.16
647+00.00	1.00	4.83	14.10	14.10	1.00	10.43	35.73	35.73	1.00	0.00	0.00	1.00	0.00	0.00	-137.79
647+50.00	1.00	5.80	9.85	9.85	1.00	0.00	9.66	9.66	1.00	0.00	0.00	1.00	0.00	0.00	-137.60
647+60.00	1.00	6.64	2.30	2.30	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-135.30
-----															
Grand Total:		1433.11	1433.11			1568.41	1568.41			0.00	0.00		0.00	0.00	

Meinhard Circle

End Area Volume Report

Report Created: 3/26/2018  
Time: 3:44pm

Cross Section Set Name: DE22

Alignment Name: DE22

Input Grid Factor: 1.000000

Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	----- Station Quantities -----				----- Added Quantities -----				Mass Ordinate						
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted							
10+00.00	1.00	0.00	0.00	0.00	1.00	438.59	0.01	0.01	1.00	0.00	0.00	1.00	0.00	0.00	-0.01
10+10.00	1.00	0.00	0.00	0.00	1.00	285.43	134.08	134.08	1.00	0.00	0.00	1.00	0.00	0.00	-134.08
10+20.00	1.00	0.00	0.00	0.00	1.00	282.36	105.15	105.15	1.00	0.00	0.00	1.00	0.00	0.00	-239.23
10+30.00	1.00	0.00	0.00	0.00	1.00	230.80	95.03	95.03	1.00	0.00	0.00	1.00	0.00	0.00	-334.26
10+40.00	1.00	0.00	0.00	0.00	1.00	230.47	85.42	85.42	1.00	0.00	0.00	1.00	0.00	0.00	-419.68
10+50.00	1.00	0.00	0.00	0.00	1.00	261.31	91.07	91.07	1.00	0.00	0.00	1.00	0.00	0.00	-510.75
10+60.00	1.00	0.00	0.00	0.00	1.00	341.37	111.61	111.61	1.00	0.00	0.00	1.00	0.00	0.00	-622.36
10+70.00	1.00	0.00	0.00	0.00	1.00	396.92	136.72	136.72	1.00	0.00	0.00	1.00	0.00	0.00	-759.08
10+80.00	1.00	0.00	0.00	0.00	1.00	292.84	127.73	127.73	1.00	0.00	0.00	1.00	0.00	0.00	-886.81
10+90.00	1.00	0.00	0.00	0.00	1.00	269.71	104.18	104.18	1.00	0.00	0.00	1.00	0.00	0.00	-990.99
11+00.00	1.00	0.00	0.00	0.00	1.00	254.20	97.02	97.02	1.00	0.00	0.00	1.00	0.00	0.00	-1088.01
11+10.00	1.00	0.15	0.03	0.03	1.00	238.72	91.28	91.28	1.00	0.00	0.00	1.00	0.00	0.00	-1179.26
11+20.00	1.00	13.82	2.59	2.59	1.00	224.66	85.81	85.81	1.00	0.00	0.00	1.00	0.00	0.00	-1262.48
11+30.00	1.00	19.36	6.15	6.15	1.00	220.06	82.36	82.36	1.00	0.00	0.00	1.00	0.00	0.00	-1338.69
11+40.00	1.00	15.99	6.55	6.55	1.00	218.42	81.20	81.20	1.00	0.00	0.00	1.00	0.00	0.00	-1413.35
11+50.00	1.00	43.89	11.09	11.09	1.00	217.14	80.66	80.66	1.00	0.00	0.00	1.00	0.00	0.00	-1482.92
11+60.00	1.00	40.76	15.68	15.68	1.00	220.15	80.98	80.98	1.00	0.00	0.00	1.00	0.00	0.00	-1548.22
11+70.00	1.00	42.08	15.34	15.34	1.00	236.16	84.50	84.50	1.00	0.00	0.00	1.00	0.00	0.00	-1617.38
11+80.00	1.00	15.00	10.57	10.57	1.00	242.81	88.70	88.70	1.00	0.00	0.00	1.00	0.00	0.00	-1695.51
11+90.00	1.00	6.27	3.94	3.94	1.00	253.38	91.89	91.89	1.00	0.00	0.00	1.00	0.00	0.00	-1783.45
12+00.00	1.00	0.00	1.16	1.16	1.00	240.79	91.51	91.51	1.00	0.00	0.00	1.00	0.00	0.00	-1873.80
12+10.00	1.00	0.00	0.00	0.00	1.00	199.56	81.54	81.54	1.00	0.00	0.00	1.00	0.00	0.00	-1955.35
12+20.00	1.00	0.00	0.00	0.00	1.00	192.98	72.69	72.69	1.00	0.00	0.00	1.00	0.00	0.00	-2028.04
12+30.00	1.00	0.00	0.00	0.00	1.00	208.51	74.35	74.35	1.00	0.00	0.00	1.00	0.00	0.00	-2102.39
12+40.00	1.00	0.00	0.00	0.00	1.00	297.64	93.73	93.73	1.00	0.00	0.00	1.00	0.00	0.00	-2196.12
12+50.00	1.00	0.00	0.00	0.00	1.00	336.48	117.43	117.43	1.00	0.00	0.00	1.00	0.00	0.00	-2313.55
12+60.00	1.00	0.00	0.00	0.00	1.00	317.05	121.03	121.03	1.00	0.00	0.00	1.00	0.00	0.00	-2434.58
12+70.00	1.00	0.00	0.00	0.00	1.00	278.04	110.20	110.20	1.00	0.00	0.00	1.00	0.00	0.00	-2544.78
12+80.00	1.00	0.00	0.00	0.00	1.00	299.57	106.96	106.96	1.00	0.00	0.00	1.00	0.00	0.00	-2651.75
12+90.00	1.00	0.00	0.00	0.00	1.00	312.31	113.31	113.31	1.00	0.00	0.00	1.00	0.00	0.00	-2765.06
13+00.00	1.00	0.00	0.00	0.00	1.00	325.71	118.15	118.15	1.00	0.00	0.00	1.00	0.00	0.00	-2883.21
13+10.00	1.00	0.00	0.00	0.00	1.00	338.25	122.96	122.96	1.00	0.00	0.00	1.00	0.00	0.00	-3006.16
13+20.00	1.00	0.00	0.00	0.00	1.00	331.24	123.98	123.98	1.00	0.00	0.00	1.00	0.00	0.00	-3130.14
13+30.00	1.00	0.00	0.00	0.00	1.00	413.47	137.91	137.91	1.00	0.00	0.00	1.00	0.00	0.00	-3268.05
13+40.00	1.00	0.00	0.00	0.00	1.00	542.20	176.98	176.98	1.00	0.00	0.00	1.00	0.00	0.00	-3445.03
13+50.00	1.00	0.00	0.00	0.00	1.00	475.29	188.42	188.42	1.00	0.00	0.00	1.00	0.00	0.00	-3633.45
Grand Total:		73.08	73.08			3706.54	3706.54		0.00	0.00		0.00	0.00		

add area in center of circle:  
 $221.98\text{ft}^2 \times 8\text{ft} =$   
 $1775.84\text{ft}^3 =$   
 $65.77\text{ cubic yards}$

Meinhard  
Cul-de-sac

## End Area Volume Report

Report Created: 3/26/2018  
Time: 2:13pm

**Cross Section Set Name:** DE6

**Alignment Name:** DE6

**Input Grid Factor:** 1.000000 **Note:** All units in this report are in feet, square feet and cubic yards unless specified otherwise.

----- Station Quantities -----										----- Added Quantities -----					
Baseline	----- Cut -----			----- Fill -----			----- Cut -----			----- Fill -----			Mass		
Station	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	Ordinate
171+00.00	1.00	36.97	0.00	0.00	1.00	28.96	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
171+50.00	1.00	84.64	112.60	112.60	1.00	10.90	36.91	36.91	1.00	0.00	0.00	1.00	0.00	0.00	75.69
172+00.00	1.00	42.79	117.99	117.99	1.00	8.08	17.57	17.57	1.00	0.00	0.00	1.00	0.00	0.00	176.10
172+35.00	1.00	36.92	51.66	51.66	1.00	0.71	5.70	5.70	1.00	0.00	0.00	1.00	0.00	0.00	222.06
Grand Total:		282.25	282.25			60.18	60.18			0.00	0.00		0.00	0.00	

Meinhard

End Area Volume Report

Report Created: 3/26/2018  
Time: 3:14pm

Cross Section Set Name: DE6\_1

Alignment Name: DE6

Input Grid Factor: 1.000000

Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	Station Quantities								Added Quantities								Mass Ordinate	
	Factor	Cut		Fill		Factor	Cut		Fill		Factor	Cut		Fill				
		Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	
194+50.00	1.00	4.41	0.00	0.00	1.00	5.25	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
195+00.00	1.00	1.66	5.62	5.62	1.00	11.70	15.69	15.69	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-10.07
195+50.00	1.00	1.16	2.62	2.62	1.00	17.14	26.70	26.70	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-34.16
196+00.00	1.00	1.16	2.15	2.15	1.00	28.19	41.96	41.96	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-73.97
196+50.00	1.00	0.88	1.88	1.88	1.00	33.55	57.16	57.16	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-129.25
197+00.00	1.00	2.18	2.83	2.83	1.00	32.87	61.50	61.50	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-187.91
197+50.00	1.00	4.97	6.62	6.62	1.00	23.75	52.43	52.43	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-233.72
198+00.00	1.00	1.67	6.14	6.14	1.00	103.58	117.90	117.90	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-345.47
198+40.00	1.00	9.19	8.05	8.05	1.00	175.67	206.85	206.85	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-544.28
198+60.00	1.00	1.40	3.93	3.93	1.00	278.85	168.34	168.34	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-708.69
198+80.00	1.00	4.96	2.36	2.36	1.00	252.65	196.85	196.85	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-903.19
199+00.00	1.00	0.00	1.84	1.84	1.00	524.24	287.74	287.74	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1189.09
199+20.00	1.00	0.00	0.00	0.00	1.00	1250.96	657.48	657.48	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1846.57
199+40.00	1.00	0.00	0.00	0.00	1.00	1367.93	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1846.57
199+60.00	1.00	0.00	0.00	0.00	1.00	1814.88	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1846.57
199+80.00	1.00	0.00	0.00	0.00	1.00	2603.77	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1846.57
200+00.00	1.00	7.72	0.00	0.00	1.00	3013.20	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1846.57
200+20.00	1.00	16.35	0.00	0.00	1.00	1356.57	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1846.57
200+40.00	1.00	64.24	0.00	0.00	1.00	781.65	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1846.57
200+60.00	1.00	12.11	0.00	0.00	1.00	728.05	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1846.57
200+80.00	1.00	17.19	0.00	0.00	1.00	240.79	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1846.57
201+00.00	1.00	21.18	14.21	14.21	1.00	128.55	136.79	136.79	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-1969.15
201+20.00	1.00	25.33	17.23	17.23	1.00	95.53	82.99	82.99	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2034.91
201+40.00	1.00	28.09	19.79	19.79	1.00	82.11	65.79	65.79	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2080.92
201+60.00	1.00	28.67	21.02	21.02	1.00	69.81	56.27	56.27	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2116.17
201+80.00	1.00	24.36	19.64	19.64	1.00	58.76	47.62	47.62	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2144.15
202+00.00	1.00	15.97	14.93	14.93	1.00	60.40	44.13	44.13	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2173.35
202+20.00	1.00	13.94	11.08	11.08	1.00	65.81	46.75	46.75	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2209.02
202+40.00	1.00	16.40	11.24	11.24	1.00	57.61	45.71	45.71	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2243.49
202+60.00	1.00	5.71	8.19	8.19	1.00	124.83	67.57	67.57	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2302.87
203+00.00	1.00	4.72	7.73	7.73	1.00	45.88	126.45	126.45	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2421.60
203+50.00	1.00	2.56	6.74	6.74	1.00	44.02	83.24	83.24	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2498.10
204+00.00	1.00	2.32	4.52	4.52	1.00	34.12	72.35	72.35	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2565.92
204+50.00	1.00	2.62	4.58	4.58	1.00	13.29	43.89	43.89	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2605.24
205+00.00	1.00	3.12	5.31	5.31	1.00	19.26	30.14	30.14	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2630.06
205+50.00	1.00	2.94	5.61	5.61	1.00	21.83	38.05	38.05	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2662.51
206+00.00	1.00	2.04	4.61	4.61	1.00	16.57	35.56	35.56	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2693.45
206+50.00	1.00	1.14	2.94	2.94	1.00	12.85	27.23	27.23	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2717.74
206+76.50	1.00	3.09	2.07	2.07	1.00	6.97	9.72	9.72	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-2725.39
Grand Total:		225.47	225.47			2950.86	2950.86			0.00	0.00		0.00	0.00		0.00	0.00	

## Pond 1

## Triangle Volume Report

Report Created: 3/19/2018  
Time: 5:42pm

**Mode:** Selected Shapes

**Input Grid Factor:** 1.000000

---

**Original Surface: 3003038\_Exist**

Description: Existing Surface

Preference: EXISTING

Type: Existing

**Design Surface: 3003038\_SR30 ROUNDABOUT**

Description:

Preference: Default

Type: Design

**Cut Factor:** 1.00

**Fill Factor:** 1.00

Cut: 196738.94 cu ft  
Fill: 21343.86 cu ft  
Net: 175395.09 cu ft

Cut: 7286.63 cu yd  
Fill: 790.51 cu yd  
Net: 6496.11 cu yd

## Pond 2

## Triangle Volume Report

Report Created: 3/19/2018  
Time: 5:23pm

**Mode:** Selected Shapes

**Input Grid Factor:** 1.000000

---

**Original Surface: 3003038\_Exist**

Description: Existing Surface

Preference: EXISTING

Type: Existing

**Design Surface: 3003038\_MEINHARD ROUNDABOUT**

Description:

Preference: Default

Type: Design

**Cut Factor:** 1.00

**Fill Factor:** 1.00

Cut:	56530.12 cu ft
Fill:	10283.44 cu ft
Net:	46246.68 cu ft

Cut:	2093.71 cu yd
Fill:	380.87 cu yd
Net:	1712.84 cu yd

Red Robbin North

End Area Volume Report

Report Created: 3/26/2018  
Time: 2:09pm

Cross Section Set Name: DE5

Alignment Name: DE5

Input Grid Factor: 1.000000 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

----- Station Quantities -----										----- Added Quantities -----					
Baseline	----- Cut -----				----- Fill -----				----- Cut -----				----- Fill -----		Mass
Station	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	Ordinate
163+80.00	1.00	26.35	0.00	0.00	1.00	0.12	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
164+00.00	1.00	36.15	23.15	23.15	1.00	0.00	0.05	0.05	1.00	0.00	0.00	1.00	0.00	0.00	23.10
164+50.00	1.00	157.48	179.28	179.28	1.00	0.28	0.26	0.26	1.00	0.00	0.00	1.00	0.00	0.00	202.13
164+64.00	1.00	53.47	54.69	54.69	1.00	1.34	0.42	0.42	1.00	0.00	0.00	1.00	0.00	0.00	256.40
Grand Total:			257.12	257.12			0.72	0.72			0.00	0.00		0.00	0.00



Red Robbin South

End Area Volume Report

Report Created: 3/21/2018  
Time: 11:19am

Cross Section Set Name: DE4\_1

Alignment Name: DE4

Input Grid Factor: 1.000000 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	----- Station Quantities -----				----- Added Quantities -----				Mass Ordinate						
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted							
150+00.00	1.00	0.00	0.00	0.00	1.00	46.39	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
150+50.00	1.00	3.77	3.49	3.49	1.00	8.21	50.55	50.55	1.00	0.00	0.00	1.00	0.00	0.00	-47.07
150+90.00	1.00	13.57	12.84	12.84	1.00	0.00	6.08	6.08	1.00	0.00	0.00	1.00	0.00	0.00	-40.31
Grand Total:			16.33	16.33			56.64	56.64		0.00	0.00		0.00	0.00	

Shellbark

End Area Volume Report

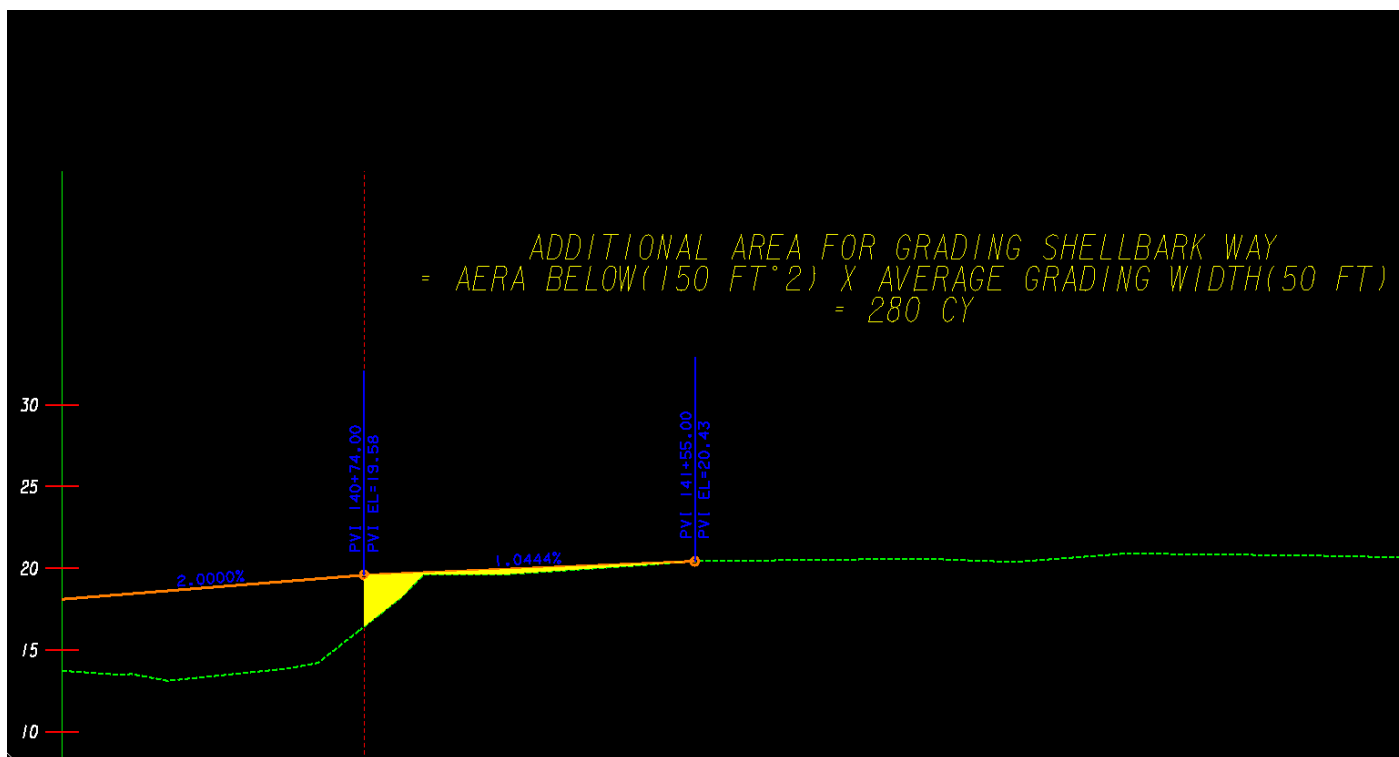
Report Created: 3/21/2018  
Time: 10:54am

Cross Section Set Name: DE3

Alignment Name: DE3

Input Grid Factor: 1.000000 **Note:** All units in this report are in feet, square feet and cubic yards unless specified otherwise.

----- Station Quantities -----									----- Added Quantities -----						
Baseline	Cut			Fill			Cut			Fill			Mass		
Station	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	Ordinate
140+25.00	1.00	0.00	0.00	0.00	1.00	420.94	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
140+50.00	1.00	0.00	0.00	0.00	1.00	299.09	333.35	333.35	1.00	0.00	0.00	1.00	0.00	0.00	-333.35
140+74.00	1.00	0.00	0.00	0.00	1.00	115.60	184.31	184.31	1.00	0.00	0.00	1.00	0.00	0.00	-517.66
Grand Total:			0.00	0.00		517.66	517.66		0.00	0.00		0.00	0.00		



Shellbark

End Area Volume Report

Report Created: 3/21/2018  
Time: 10:49am

Cross Section Set Name: DE61

Alignment Name: DE61

Input Grid Factor: 1.000000 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

----- Station Quantities -----								----- Added Quantities -----							
Baseline	----- Cut -----			----- Fill -----			----- Cut -----			----- Fill -----			Mass		
Station	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	Ordinate
500+35.00	1.00	16.71	0.00	0.00	1.00	4.77	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
500+50.00	1.00	10.75	7.63	7.63	1.00	4.62	2.61	2.61	1.00	0.00	0.00	1.00	0.00	0.00	5.02
500+75.00	1.00	10.54	9.86	9.86	1.00	1.09	2.64	2.64	1.00	0.00	0.00	1.00	0.00	0.00	12.23
Grand Total:			17.48	17.48			5.25	5.25			0.00	0.00		0.00	

Short Leaf

End Area Volume Report

Report Created: 3/21/2018  
Time: 10:41am

Cross Section Set Name: DE60

Alignment Name: DE60

Input Grid Factor: 1.000000 Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

----- Station Quantities -----										----- Added Quantities -----					
Baseline	----- Cut -----			----- Fill -----			----- Cut -----			----- Fill -----			Mass		
Station	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted	Ordinate
400+35.00	1.00	11.19	0.00	0.00	1.00	14.38	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
400+50.00	1.00	6.13	4.81	4.81	1.00	2.88	4.79	4.79	1.00	0.00	0.00	1.00	0.00	0.00	0.02
400+75.00	1.00	7.15	6.15	6.15	1.00	0.11	1.38	1.38	1.00	0.00	0.00	1.00	0.00	0.00	4.78
Grand Total:			10.96	10.96		6.18	6.18		0.00	0.00		0.00	0.00		

SR 30 circle

End Area Volume Report

Report Created: 3/27/2018  
Time: 10:42am

Cross Section Set Name: DE41

Alignment Name: DE41

Input Grid Factor: 1.000000

Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	----- Station Quantities -----				----- Added Quantities -----				Mass Ordinate						
	----- Cut -----		----- Fill -----		----- Cut -----		----- Fill -----								
Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted		
10+00.00	1.00	0.00	0.00	0.00	1.00	342.53	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
10+10.00	1.00	0.00	0.00	0.00	1.00	317.82	122.29	122.29	1.00	0.00	0.00	1.00	0.00	0.00	-122.29
10+20.00	1.00	0.00	0.00	0.00	1.00	320.52	118.21	118.21	1.00	0.00	0.00	1.00	0.00	0.00	-240.50
10+30.00	1.00	0.00	0.00	0.00	1.00	300.58	115.02	115.02	1.00	0.00	0.00	1.00	0.00	0.00	-355.52
10+40.00	1.00	0.00	0.00	0.00	1.00	247.70	101.53	101.53	1.00	0.00	0.00	1.00	0.00	0.00	-457.05
10+50.00	1.00	3.93	0.73	0.73	1.00	236.81	89.73	89.73	1.00	0.00	0.00	1.00	0.00	0.00	-546.05
10+60.00	1.00	6.20	1.88	1.88	1.00	235.70	87.50	87.50	1.00	0.00	0.00	1.00	0.00	0.00	-631.67
10+70.00	1.00	0.03	1.15	1.15	1.00	249.94	89.93	89.93	1.00	0.00	0.00	1.00	0.00	0.00	-720.45
10+80.00	1.00	0.00	0.01	0.01	1.00	324.33	106.35	106.35	1.00	0.00	0.00	1.00	0.00	0.00	-826.79
10+90.00	1.00	0.00	0.00	0.00	1.00	410.83	136.14	136.14	1.00	0.00	0.00	1.00	0.00	0.00	-962.93
11+00.00	1.00	50.95	9.43	9.43	1.00	418.57	153.59	153.59	1.00	0.00	0.00	1.00	0.00	0.00	-1107.09
11+10.00	1.00	48.19	18.36	18.36	1.00	425.34	156.28	156.28	1.00	0.00	0.00	1.00	0.00	0.00	-1245.01
11+20.00	1.00	45.95	17.43	17.43	1.00	428.46	158.11	158.11	1.00	0.00	0.00	1.00	0.00	0.00	-1385.69
11+30.00	1.00	43.05	16.48	16.48	1.00	427.42	158.50	158.50	1.00	0.00	0.00	1.00	0.00	0.00	-1527.70
11+40.00	1.00	39.96	15.37	15.37	1.00	419.78	156.89	156.89	1.00	0.00	0.00	1.00	0.00	0.00	-1669.22
11+50.00	1.00	42.73	15.31	15.31	1.00	402.36	152.25	152.25	1.00	0.00	0.00	1.00	0.00	0.00	-1806.16
11+60.00	1.00	47.47	16.70	16.70	1.00	382.78	145.40	145.40	1.00	0.00	0.00	1.00	0.00	0.00	-1934.85
11+70.00	1.00	51.78	18.38	18.38	1.00	364.26	138.34	138.34	1.00	0.00	0.00	1.00	0.00	0.00	-2054.81
11+80.00	1.00	56.51	20.05	20.05	1.00	347.45	131.80	131.80	1.00	0.00	0.00	1.00	0.00	0.00	-2166.56
11+90.00	1.00	61.85	21.92	21.92	1.00	332.88	125.99	125.99	1.00	0.00	0.00	1.00	0.00	0.00	-2270.63
12+00.00	1.00	67.52	23.96	23.96	1.00	322.70	121.40	121.40	1.00	0.00	0.00	1.00	0.00	0.00	-2368.07
12+10.00	1.00	72.96	26.02	26.02	1.00	315.73	118.23	118.23	1.00	0.00	0.00	1.00	0.00	0.00	-2460.29
12+20.00	1.00	19.89	17.19	17.19	1.00	309.60	115.80	115.80	1.00	0.00	0.00	1.00	0.00	0.00	-2558.90
12+30.00	1.00	10.33	5.60	5.60	1.00	281.45	109.45	109.45	1.00	0.00	0.00	1.00	0.00	0.00	-2662.75
12+40.00	1.00	2.00	2.28	2.28	1.00	278.02	103.61	103.61	1.00	0.00	0.00	1.00	0.00	0.00	-2764.08
12+50.00	1.00	1.17	0.59	0.59	1.00	285.70	104.39	104.39	1.00	0.00	0.00	1.00	0.00	0.00	-2867.88
12+60.00	1.00	0.00	0.22	0.22	1.00	278.80	104.54	104.54	1.00	0.00	0.00	1.00	0.00	0.00	-2972.20
12+70.00	1.00	0.00	0.00	0.00	1.00	221.72	92.69	92.69	1.00	0.00	0.00	1.00	0.00	0.00	-3064.89
12+80.00	1.00	8.03	1.49	1.49	1.00	201.41	78.36	78.36	1.00	0.00	0.00	1.00	0.00	0.00	-3141.76
12+90.00	1.00	11.47	3.61	3.61	1.00	194.42	73.30	73.30	1.00	0.00	0.00	1.00	0.00	0.00	-3211.45
13+00.00	1.00	6.20	3.27	3.27	1.00	195.70	72.25	72.25	1.00	0.00	0.00	1.00	0.00	0.00	-3280.43
13+10.00	1.00	0.00	1.15	1.15	1.00	245.96	81.79	81.79	1.00	0.00	0.00	1.00	0.00	0.00	-3361.07
13+20.00	1.00	0.25	0.05	0.05	1.00	266.04	94.81	94.81	1.00	0.00	0.00	1.00	0.00	0.00	-3455.84
13+30.00	1.00	5.77	1.11	1.11	1.00	259.02	97.23	97.23	1.00	0.00	0.00	1.00	0.00	0.00	-3551.96
13+40.00	1.00	3.98	1.80	1.80	1.00	254.59	95.11	95.11	1.00	0.00	0.00	1.00	0.00	0.00	-3645.26
13+50.00	1.00	7.02	2.04	2.04	1.00	254.06	94.20	94.20	1.00	0.00	0.00	1.00	0.00	0.00	-3737.42
13+60.00	1.00	8.92	2.95	2.95	1.00	254.32	94.15	94.15	1.00	0.00	0.00	1.00	0.00	0.00	-3828.62
13+70.00	1.00	9.35	3.38	3.38	1.00	256.66	94.63	94.63	1.00	0.00	0.00	1.00	0.00	0.00	-3919.86
13+80.00	1.00	8.45	3.30	3.30	1.00	261.37	95.93	95.93	1.00	0.00	0.00	1.00	0.00	0.00	-4012.49
13+90.00	1.00	6.59	2.79	2.79	1.00	267.27	97.90	97.90	1.00	0.00	0.00	1.00	0.00	0.00	-4107.60
14+00.00	1.00	4.44	2.04	2.04	1.00	273.93	100.22	100.22	1.00	0.00	0.00	1.00	0.00	0.00	-4205.78
14+10.00	1.00	2.44	1.27	1.27	1.00	281.67	102.89	102.89	1.00	0.00	0.00	1.00	0.00	0.00	-4307.40
14+20.00	1.00	1.12	0.66	0.66	1.00	288.33	105.56	105.56	1.00	0.00	0.00	1.00	0.00	0.00	-4412.29
14+30.00	1.00	2.59	0.69	0.69	1.00	312.70	111.30	111.30	1.00	0.00	0.00	1.00	0.00	0.00	-4522.91
14+40.00	1.00	89.46	17.05	17.05	1.00	351.29	122.96	122.96	1.00	0.00	0.00	1.00	0.00	0.00	-4628.82
14+50.00	1.00	1.59	16.86	16.86	1.00	366.77	132.97	132.97	1.00	0.00	0.00	1.00	0.00	0.00	-4744.94
Grand Total:		314.56	314.56			5059.50	5059.50		0.00	0.00		0.00	0.00		0.00

add area in center of circle:  
 $607.13\text{ft}^2 \times 8\text{ft} =$   
 $4857.04\text{ft}^3 =$   
 $179.89\text{ cubic yards}$

SR 30

End Area Volume Report

Report Created: 3/27/2018  
Time: 9:02am

Cross Section Set Name: DE7

Alignment Name: DE7

Input Grid Factor: 1.000000

Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	Station Quantities								Added Quantities						Mass Ordinate
	Factor	Area	Cut Volume	Adjusted	Factor	Area	Fill Volume	Adjusted	Factor	Volume	Cut Adjusted	Factor	Volume	Fill Adjusted	
292+00.00	1.00	22.81	0.00	0.00	1.00	2.44	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00
292+50.00	1.00	23.98	43.33	43.33	1.00	28.36	28.51	28.51	1.00	0.00	0.00	1.00	0.00	0.00	14.81
292+73.30															0.00
293+00.00	1.00	23.90	44.33	44.33	1.00	53.86	76.13	76.13	1.00	0.00	0.00	1.00	0.00	0.00	-16.98
293+50.00	1.00	8.46	29.96	29.96	1.00	75.42	119.71	119.71	1.00	0.00	0.00	1.00	0.00	0.00	-106.73
294+00.00	1.00	7.27	14.57	14.57	1.00	114.28	175.65	175.65	1.00	0.00	0.00	1.00	0.00	0.00	-267.81
294+50.00	1.00	6.67	12.91	12.91	1.00	741.82	792.69	792.69	1.00	0.00	0.00	1.00	0.00	0.00	-1047.58
294+60.00	1.00	4.82	2.13	2.13	1.00	732.13	272.95	272.95	1.00	0.00	0.00	1.00	0.00	0.00	-1318.41
294+80.00	1.00	4.18	3.33	3.33	1.00	445.50	436.16	436.16	1.00	0.00	0.00	1.00	0.00	0.00	-1751.23
295+00.00	1.00	3.84	2.97	2.97	1.00	422.55	321.50	321.50	1.00	0.00	0.00	1.00	0.00	0.00	-2069.77
295+20.00	1.00	3.66	2.78	2.78	1.00	404.05	306.15	306.15	1.00	0.00	0.00	1.00	0.00	0.00	-2373.14
295+40.00	1.00	5.22	3.29	3.29	1.00	193.23	221.21	221.21	1.00	0.00	0.00	1.00	0.00	0.00	-2591.06
295+60.00	1.00	4.83	3.72	3.72	1.00	354.69	202.93	202.93	1.00	0.00	0.00	1.00	0.00	0.00	-2790.27
295+80.00	1.00	5.66	3.88	3.88	1.00	181.60	198.63	198.63	1.00	0.00	0.00	1.00	0.00	0.00	-2985.01
296+00.00	1.00	7.04	4.70	4.70	1.00	126.64	114.16	114.16	1.00	0.00	0.00	1.00	0.00	0.00	-3094.47
296+20.00	1.00	11.52	6.87	6.87	1.00	216.12	126.95	126.95	1.00	0.00	0.00	1.00	0.00	0.00	-3214.54
296+40.00	1.00	26.94	14.24	14.24	1.00	161.69	139.93	139.93	1.00	0.00	0.00	1.00	0.00	0.00	-3340.23
296+60.00	1.00	32.33	21.95	21.95	1.00	143.36	112.98	112.98	1.00	0.00	0.00	1.00	0.00	0.00	-3431.25
296+80.00	1.00	44.29	28.38	28.38	1.00	78.98	82.35	82.35	1.00	0.00	0.00	1.00	0.00	0.00	-3485.23
297+00.00	1.00	59.36	38.39	38.39	1.00	79.50	58.70	58.70	1.00	0.00	0.00	1.00	0.00	0.00	-3505.54
297+20.00	1.00	79.45	51.41	51.41	1.00	74.27	56.95	56.95	1.00	0.00	0.00	1.00	0.00	0.00	-3511.08
297+40.00	1.00	108.68	69.68	69.68	1.00	96.79	63.35	63.35	1.00	0.00	0.00	1.00	0.00	0.00	-3504.75
297+60.00	1.00	140.54	92.30	92.30	1.00	106.24	75.20	75.20	1.00	0.00	0.00	1.00	0.00	0.00	-3487.65
297+80.00	1.00	132.42	101.09	101.09	1.00	136.21	89.79	89.79	1.00	0.00	0.00	1.00	0.00	0.00	-3476.35
298+00.00	1.00	168.41	111.42	111.42	1.00	115.94	93.39	93.39	1.00	0.00	0.00	1.00	0.00	0.00	-3458.32
298+20.00	1.00	160.78	121.92	121.92	1.00	126.13	89.66	89.66	1.00	0.00	0.00	1.00	0.00	0.00	-3426.06
298+40.00	1.00	176.94	125.08	125.08	1.00	185.98	115.60	115.60	1.00	0.00	0.00	1.00	0.00	0.00	-3416.57
298+60.00	1.00	133.29	114.90	114.90	1.00	165.01	130.00	130.00	1.00	0.00	0.00	1.00	0.00	0.00	-3431.67
298+80.00	1.00	114.77	91.87	91.87	1.00	265.98	159.63	159.63	1.00	0.00	0.00	1.00	0.00	0.00	-3499.43
299+00.00	1.00	96.98	78.42	78.42	1.00	305.84	211.78	211.78	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
299+20.00	1.00	111.94	0.00	0.00	1.00	262.50	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
299+40.00	1.00	76.47	0.00	0.00	1.00	236.72	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
299+60.00	1.00	55.00	0.00	0.00	1.00	541.28	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
299+80.00	1.00	38.31	0.00	0.00	1.00	849.95	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
300+00.00	1.00	29.71	0.00	0.00	1.00	1059.65	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
300+20.00	1.00	30.12	0.00	0.00	1.00	988.86	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
300+40.00	1.00	38.76	0.00	0.00	1.00	727.97	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
300+60.00	1.00	48.87	0.00	0.00	1.00	577.24	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
300+80.00	1.00	56.66	0.00	0.00	1.00	426.76	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
301+00.00	1.00	158.85	0.00	0.00	1.00	291.13	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	-3632.79
301+20.00	1.00	142.75	111.70	111.70	1.00	195.13	180.09	180.09	1.00	0.00	0.00	1.00	0.00	0.00	-3701.18
301+40.00	1.00	125.34	99.29	99.29	1.00	202.22	147.17	147.17	1.00	0.00	0.00	1.00	0.00	0.00	-3749.05
301+60.00	1.00	182.91	114.17	114.17	1.00	143.17	127.92	127.92	1.00	0.00	0.00	1.00	0.00	0.00	-3762.81
301+80.00	1.00	116.23	110.80	110.80	1.00	101.68	90.68	90.68	1.00	0.00	0.00	1.00	0.00	0.00	-3742.69
302+00.00	1.00	101.37	80.60	80.60	1.00	98.01	73.96	73.96	1.00	0.00	0.00	1.00	0.00	0.00	-3736.05
302+20.00	1.00	83.31	68.40	68.40	1.00	74.90	64.04	64.04	1.00	0.00	0.00	1.00	0.00	0.00	-3731.69
302+40.00	1.00	59.95	53.06	53.06	1.00	81.89	58.07	58.07	1.00	0.00	0.00	1.00	0.00	0.00	-3736.70
302+60.00	1.00	54.81	42.50	42.50	1.00	54.30	50.44	50.44	1.00	0.00	0.00	1.00	0.00	0.00	-3744.64

SR 30

Baseline Station	Station Quantities								Added Quantities						Mass Ordinate
	Cut				Fill				Cut		Fill				
Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted	Factor	Volume	Adjusted	Factor	Volume	Adjusted		
302+80.00	1.00	60.85	42.84	42.84	1.00	43.82	36.34	36.34	1.00	0.00	0.00	1.00	0.00	0.00	-3738.14
303+00.00	1.00	58.83	44.33	44.33	1.00	45.16	32.96	32.96	1.00	0.00	0.00	1.00	0.00	0.00	-3726.77
303+20.00	1.00	59.43	43.80	43.80	1.00	47.30	34.25	34.25	1.00	0.00	0.00	1.00	0.00	0.00	-3717.22
303+40.00	1.00	52.06	41.29	41.29	1.00	107.97	57.51	57.51	1.00	0.00	0.00	1.00	0.00	0.00	-3733.43
303+60.00	1.00	48.55	37.26	37.26	1.00	110.47	80.90	80.90	1.00	0.00	0.00	1.00	0.00	0.00	-3777.07
303+80.00	1.00	50.16	36.56	36.56	1.00	76.14	69.11	69.11	1.00	0.00	0.00	1.00	0.00	0.00	-3809.62
304+00.00	1.00	48.00	36.36	36.36	1.00	61.71	51.05	51.05	1.00	0.00	0.00	1.00	0.00	0.00	-3824.32
304+20.00	1.00	42.72	33.60	33.60	1.00	62.91	46.16	46.16	1.00	0.00	0.00	1.00	0.00	0.00	-3836.88
304+40.00	1.00	26.36	25.58	25.58	1.00	83.15	54.10	54.10	1.00	0.00	0.00	1.00	0.00	0.00	-3865.40
304+60.00	1.00	29.37	20.64	20.64	1.00	68.02	55.99	55.99	1.00	0.00	0.00	1.00	0.00	0.00	-3900.74
304+80.00	1.00	17.38	17.31	17.31	1.00	140.48	77.22	77.22	1.00	0.00	0.00	1.00	0.00	0.00	-3960.65
305+00.00	1.00	10.96	10.50	10.50	1.00	86.09	83.92	83.92	1.00	0.00	0.00	1.00	0.00	0.00	-4034.07
305+50.00	1.00	18.49	27.27	27.27	1.00	80.92	154.64	154.64	1.00	0.00	0.00	1.00	0.00	0.00	-4161.45
306+00.00	1.00	14.34	30.40	30.40	1.00	62.79	133.06	133.06	1.00	0.00	0.00	1.00	0.00	0.00	-4264.11
306+50.00	1.00	5.77	18.62	18.62	1.00	87.40	139.06	139.06	1.00	0.00	0.00	1.00	0.00	0.00	-4384.56
307+00.00	1.00	4.16	9.19	9.19	1.00	130.22	201.50	201.50	1.00	0.00	0.00	1.00	0.00	0.00	-4576.87
307+50.00	1.00	0.00	3.85	3.85	1.00	181.17	288.33	288.33	1.00	0.00	0.00	1.00	0.00	0.00	-4861.35
308+00.00	1.00	4.85	4.49	4.49	1.00	2.64	170.19	170.19	1.00	0.00	0.00	1.00	0.00	0.00	-5027.05
Grand Total:		2404.23	2404.23			7431.29	7431.29		0.00	0.00		0.00	0.00		