

SDDOT Volumes Report

Report Created: 3/14/2023
Time: 9:27am

Cross Section Set Name: Div757_1

Alignment Name: Div757

Input Grid Factor: 1.000000

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

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
0+00.00							0.00
	Normal Cut:	44.59	0.00	1.00	0.00	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
1+00.00							2786.63
	Normal Cut:	43.30	164.79	1.00	164.79	Yes	
	Normal Fill:	0.07	0.13	1.35	0.18	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	
2+00.00							5060.77
	Normal Cut:	12.94	107.71	1.00	107.71	Yes	
	Normal Fill:	186.43	337.48	1.35	455.60	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	
3+00.00							5964.46
	Normal Cut:	0.00	25.33	1.00	25.33	Yes	
	Normal Fill:	505.73	1291.59	1.35	1743.65	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	
4+00.00							5594.71
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	669.63	2216.13	1.35	2991.78	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	
5+00.00							2063.28
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	1791.75	4558.11	1.35	6153.45	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	

Balance Station

5+53.17

0.00

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
6+00.00							-1817.07
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	809.19	4816.57	1.35	6502.37	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	
7+00.00							-3268.00
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	819.99	3017.00	1.35	4072.95	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	
8+00.00							-4390.81
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	606.34	2773.95	1.35	3744.83	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	
9+00.00							-3348.92
	Normal Cut:	39.63	76.27	1.00	76.27	Yes	
	Normal Fill:	20.30	1226.97	1.35	1656.41	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	
10+00.00							-606.69
	Normal Cut:	49.69	168.62	1.00	168.62	Yes	
	Normal Fill:	0.00	35.86	1.35	48.41	Yes	
	Added Cut:		2978.79	1.00	2978.79	Yes	
	Added Fill:		264.28	1.35	356.77	Yes	
10+21.00							-18.11
	Normal Cut:	47.59	37.96	1.00	37.96	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		625.55	1.00	625.55	Yes	
	Added Fill:		55.50	1.35	74.92	Yes	
10+21.65							-0.36
	Normal Cut:	0.00	0.58	1.00	0.58	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		19.51	1.00	19.51	Yes	
	Added Fill:		1.73	1.35	2.34	Yes	
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Totals:							
	Normal Cut:		581.26		581.26		
	Normal Fill:		20273.79		27369.62		
	Added Cut:		30433.00		30433.00		
	Added Fill:		2700.00		3645.00		

SDDOT Volumes Report

Report Created: 1/16/2024
Time: 9:18am

Cross Section Set Name: Mainline05V1_8

Alignment Name: Mainline05V1

Input Grid Factor: 1.000000

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

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
752+00.00							0.00
	Normal Cut:	237.18	0.00	1.00	0.00	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	129.39	0.00	1.35	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.35	0.00	Yes	
753+00.00							100.85
	Normal Cut:	100.70	625.70	1.00	625.70	Yes	
	Normal Fill:	0.14	0.26	1.35	0.35	Yes	
	Added Cut:		-113.83	1.00	-113.83	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	239.61	1.35	323.48	Yes	
	UndercutA (MDC Cut):	134.52	249.11	1.00	249.11	Yes	
	UndercutA (MDC Fill):	134.52	249.11	1.35	336.30	Yes	
753+76.30							106.88
	Normal Cut:	100.32	284.02	1.00	284.02	Yes	
	Normal Fill:	20.42	29.05	1.35	39.22	Yes	
	Added Cut:		-86.85	1.00	-86.85	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	6.62	9.36	1.35	12.64	Yes	
	UndercutA (MDC Cut):	147.14	397.96	1.00	397.96	Yes	
	UndercutA (MDC Fill):	147.14	397.96	1.35	537.25	Yes	
754+00.00							89.94
	Normal Cut:	102.67	89.09	1.00	89.09	Yes	
	Normal Fill:	19.52	17.53	1.35	23.67	Yes	
	Added Cut:		-26.98	1.00	-26.98	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	10.57	7.55	1.35	10.19	Yes	
	UndercutA (MDC Cut):	147.06	129.13	1.00	129.13	Yes	
	UndercutA (MDC Fill):	147.06	129.13	1.35	174.33	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
755+00.00							111.97
	Normal Cut:	112.98	399.34	1.00	399.34	Yes	
	Normal Fill:	0.00	36.15	1.35	48.80	Yes	
	Added Cut:		-113.83	1.00	-113.83	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	19.57	1.35	26.42	Yes	
	UndercutA (MDC Cut):	143.39	537.88	1.00	537.88	Yes	
	UndercutA (MDC Fill):	143.39	537.88	1.35	726.14	Yes	
756+00.00							239.14
	Normal Cut:	117.54	426.88	1.00	426.88	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		-113.83	1.00	-113.83	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.35	0.00	Yes	
	UndercutA (MDC Cut):	143.39	531.08	1.00	531.08	Yes	
	UndercutA (MDC Fill):	143.39	531.08	1.35	716.96	Yes	
756+17.34							261.96
	Normal Cut:	65.16	58.67	1.00	58.67	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		-19.74	1.00	-19.74	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.35	0.00	Yes	
	UndercutA (MDC Cut):	0.00	46.04	1.00	46.04	Yes	
	UndercutA (MDC Fill):	0.00	46.04	1.35	62.16	Yes	
757+00.00							167.86
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	694.65	0.00	1.35	0.00	Yes	
	Added Cut:		-94.09	1.00	-94.09	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.35	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.35	0.00	Yes	
758+00.00							54.03
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	144.28	0.00	1.35	0.00	Yes	
	Added Cut:		-113.83	1.00	-113.83	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.35	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.35	0.00	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
758+06.34							46.82
	Normal Cut:	4.24	0.00	1.00	0.00	Yes	
	Normal Fill:	48.46	0.00	1.35	0.00	Yes	
	Added Cut:		-7.22	1.00	-7.22	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.35	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.35	0.00	Yes	
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Balance Station							
758+14.81							0.00
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758+19.10							-23.76
	Normal Cut:	104.05	25.59	1.00	25.59	Yes	
	Normal Fill:	167.20	50.97	1.35	68.81	Yes	
	Added Cut:		-14.53	1.00	-14.53	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	4.12	0.97	1.35	1.31	Yes	
	UndercutA (MDC Cut):	139.27	32.91	1.00	32.91	Yes	
	UndercutA (MDC Fill):	139.27	32.91	1.35	44.43	Yes	
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759+00.00							-271.63
	Normal Cut:	122.28	339.06	1.00	339.06	Yes	
	Normal Fill:	0.02	250.51	1.35	338.19	Yes	
	Added Cut:		-92.09	1.00	-92.09	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.08	6.29	1.35	8.49	Yes	
	UndercutA (MDC Cut):	143.31	423.34	1.00	423.34	Yes	
	UndercutA (MDC Fill):	143.31	423.34	1.35	571.51	Yes	
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760+00.00							-223.32
	Normal Cut:	109.48	429.18	1.00	429.18	Yes	
	Normal Fill:	21.95	40.68	1.35	54.92	Yes	
	Added Cut:		-113.83	1.00	-113.83	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	10.25	19.12	1.35	25.81	Yes	
	UndercutA (MDC Cut):	144.13	532.30	1.00	532.30	Yes	
	UndercutA (MDC Fill):	144.13	532.30	1.35	718.60	Yes	
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761+00.00							-239.88
	Normal Cut:	102.80	393.12	1.00	393.12	Yes	
	Normal Fill:	11.14	61.29	1.35	82.74	Yes	
	Added Cut:		-113.83	1.00	-113.83	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	2.06	22.78	1.35	30.76	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
UndercutA (MDC Cut):		137.23	521.04	1.00	521.04	Yes	
UndercutA (MDC Fill):		137.23	521.04	1.35	703.40	Yes	
762+00.00							-186.50
Normal Cut:		98.63	373.02	1.00	373.02	Yes	
Normal Fill:		0.00	20.63	1.35	27.85	Yes	
Added Cut:			-113.83	1.00	-113.83	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
UndercutA (Fill):		0.00	3.81	1.35	5.14	Yes	
UndercutA (MDC Cut):		129.39	493.74	1.00	493.74	Yes	
UndercutA (MDC Fill):		129.39	493.74	1.35	666.55	Yes	
763+00.00							-127.73
Normal Cut:		84.86	339.78	1.00	339.78	Yes	
Normal Fill:		0.00	0.00	1.35	0.00	Yes	
Added Cut:			-113.83	1.00	-113.83	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
UndercutA (Fill):		0.00	0.00	1.35	0.00	Yes	
UndercutA (MDC Cut):		128.56	477.68	1.00	477.68	Yes	
UndercutA (MDC Fill):		128.56	477.68	1.35	644.87	Yes	
763+50.00							-139.87
Normal Cut:		73.10	146.25	1.00	146.25	Yes	
Normal Fill:		0.00	0.00	1.35	0.00	Yes	
Added Cut:			-56.91	1.00	-56.91	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
UndercutA (Fill):		19.76	18.30	1.35	24.70	Yes	
UndercutA (MDC Cut):		108.35	219.36	1.00	219.36	Yes	
UndercutA (MDC Fill):		108.35	219.36	1.35	296.14	Yes	
Totals:							
Normal Cut:			3929.71		3929.71		
Normal Fill:			507.07		684.54		
Added Cut:			-1309.04		-1309.04		
Added Fill:			0.00		0.00		
UndercutA (Fill):			347.37		468.95		
UndercutA (MDC Cut):			4591.58		4591.58		
UndercutA (MDC Fill):			4591.58		6198.64		

SDDOT Volumes Report

Report Created: 3/14/2023
Time: 12:20pm

Cross Section Set Name: Bridge Embankment NE

Alignment Name: Bridge Embankment NE

Input Grid Factor: 1.000000

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

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
0+00.00							0.00
	Normal Cut:	95.06	0.00	1.00	0.00	Yes	
	Normal Fill:	1.53	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+10.00							19.75
	Normal Cut:	13.68	20.14	1.00	20.14	Yes	
	Normal Fill:	0.00	0.28	1.35	0.38	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+20.00							29.78
	Normal Cut:	40.45	10.02	1.00	10.02	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+30.00							44.68
	Normal Cut:	40.31	14.95	1.00	14.95	Yes	
	Normal Fill:	0.23	0.04	1.35	0.06	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+40.00							60.01
	Normal Cut:	43.99	15.61	1.00	15.61	Yes	
	Normal Fill:	0.86	0.20	1.35	0.27	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+50.00							74.18
	Normal Cut:	38.13	15.21	1.00	15.21	Yes	
	Normal Fill:	3.31	0.77	1.35	1.04	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+60.00							86.84
	Normal Cut:	39.77	14.43	1.00	14.43	Yes	
	Normal Fill:	3.77	1.31	1.35	1.77	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+70.00							97.76
	Normal Cut:	35.76	13.99	1.00	13.99	Yes	
	Normal Fill:	8.48	2.27	1.35	3.06	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+80.00							114.09
	Normal Cut:	63.85	18.45	1.00	18.45	Yes	
	Normal Fill:	0.00	1.57	1.35	2.12	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+82.14							119.62
	Normal Cut:	75.74	5.53	1.00	5.53	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	

Totals:

Normal Cut:	128.33	128.33
Normal Fill:	6.45	8.71
Added Cut:	0.00	0.00
Added Fill:	0.00	0.00

SDDOT Volumes Report

Report Created: 3/14/2023

Time: 12:19pm

Cross Section Set Name: Bridge Embankment SW

Alignment Name: Bridge Embankment SW

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

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
0+00.00							0.00
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+10.00							190.52
	Normal Cut:	1028.82	190.52	1.00	190.52	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+20.00							613.76
	Normal Cut:	1256.67	423.24	1.00	423.24	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+30.00							1079.66
	Normal Cut:	1259.20	465.90	1.00	465.90	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+40.00							1545.62
	Normal Cut:	1256.99	465.96	1.00	465.96	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+50.00							2005.60
	Normal Cut:	1226.90	459.98	1.00	459.98	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+60.00							2464.77
	Normal Cut:	1252.63	459.17	1.00	459.17	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+70.00							2921.14
	Normal Cut:	1211.76	456.37	1.00	456.37	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+80.00							3230.13
	Normal Cut:	456.76	308.99	1.00	308.99	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+81.90							3260.61
	Normal Cut:	407.85	30.48	1.00	30.48	Yes	
	Normal Fill:	0.00	0.00	1.35	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	

Totals:

Normal Cut:	3260.61	3260.61
Normal Fill:	0.00	0.00
Added Cut:	0.00	0.00
Added Fill:	0.00	0.00

SDDOT Volumes Report

Report Created: 3/14/2023

Time: 12:33pm

Cross Section Set Name: 03AL_Bridge Berm W

Alignment Name: 03AL_Bridge Berm W

Input Grid Factor: 1.000000

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

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
0+00.00							0.00
	Normal Cut:	154.54	0.00	1.00	0.00	Yes	
	Normal Fill:	0.00	0.00	1.00	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+10.00							91.86
	Normal Cut:	341.49	91.86	1.00	91.86	Yes	
	Normal Fill:	0.00	0.00	1.00	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+20.00							212.20
	Normal Cut:	308.34	120.34	1.00	120.34	Yes	
	Normal Fill:	0.00	0.00	1.00	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+30.00							323.49
	Normal Cut:	292.64	111.29	1.00	111.29	Yes	
	Normal Fill:	0.00	0.00	1.00	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+40.00							434.44
	Normal Cut:	306.50	110.95	1.00	110.95	Yes	
	Normal Fill:	0.00	0.00	1.00	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
0+49.69							550.84
	Normal Cut:	342.08	116.41	1.00	116.41	Yes	
	Normal Fill:	0.00	0.00	1.00	0.00	Yes	
	Added Cut:		0.00	1.00	0.00	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
Totals:							
	Normal Cut:		550.84		550.84		
	Normal Fill:		0.00		0.00		
	Added Cut:		0.00		0.00		
	Added Fill:		0.00		0.00		

SDDOT Volumes Report

Report Created: 1/11/2024
Time: 9:58am

Cross Section Set Name: Mainline03AL_9

Alignment Name: Mainline03AL

Input Grid Factor: 1.000000

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

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
11+00.00							-40.64
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.40	0.00	Yes	
12+00.00							-81.27
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.40	0.00	Yes	
12+26.00							-82.44
	Normal Cut:	73.21	35.25	1.00	35.25	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-10.57	1.00	-10.57	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	134.23	64.63	1.00	64.63	Yes	
	UndercutA (MDC Fill):	134.23	64.63	1.40	90.48	Yes	
13+00.00							-41.67
	Normal Cut:	87.89	220.76	1.00	220.76	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-30.07	1.00	-30.07	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	139.27	374.80	1.00	374.80	Yes	
	UndercutA (MDC Fill):	139.27	374.80	1.40	524.73	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
Balance Station							
13+35.88							0.00
14+00.00							74.47
	Normal Cut:	108.19	363.10	1.00	363.10	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	139.27	515.82	1.00	515.82	Yes	
	UndercutA (MDC Fill):	139.27	515.82	1.40	722.15	Yes	
15+00.00							228.01
	Normal Cut:	108.09	400.51	1.00	400.51	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	139.27	515.82	1.00	515.82	Yes	
	UndercutA (MDC Fill):	139.27	515.82	1.40	722.15	Yes	
16+00.00							378.25
	Normal Cut:	106.41	397.21	1.00	397.21	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	139.27	515.82	1.00	515.82	Yes	
	UndercutA (MDC Fill):	139.27	515.82	1.40	722.15	Yes	
17+00.00							472.16
	Normal Cut:	78.04	341.57	1.00	341.57	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.37	0.69	1.40	0.97	Yes	
	UndercutA (MDC Cut):	138.90	515.13	1.00	515.13	Yes	
	UndercutA (MDC Fill):	138.90	515.13	1.40	721.18	Yes	
18+00.00							414.37
	Normal Cut:	39.39	217.46	1.00	217.46	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	12.06	23.02	1.40	32.23	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
UndercutA (MDC Cut):		134.34	505.99	1.00	505.99	Yes	
UndercutA (MDC Fill):		134.34	505.99	1.40	708.39	Yes	
19+00.00							95.84
Normal Cut:		9.81	91.11	1.00	91.11	Yes	
Normal Fill:		6.95	12.87	1.40	18.02	Yes	
Added Cut:			-40.64	1.00	-40.64	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
UndercutA (Fill):		49.69	114.34	1.40	160.08	Yes	
UndercutA (MDC Cut):		123.37	477.24	1.00	477.24	Yes	
UndercutA (MDC Fill):		123.37	477.24	1.40	668.13	Yes	
<hr/> Balance Station							
19+17.79							0.00
<hr/> 19+94.27							-412.04
Normal Cut:		0.32	17.68	1.00	17.68	Yes	
Normal Fill:		6.62	23.69	1.40	33.17	Yes	
Added Cut:			-38.31	1.00	-38.31	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
UndercutA (Fill):		79.90	226.22	1.40	316.71	Yes	
UndercutA (MDC Cut):		73.38	343.46	1.00	343.46	Yes	
UndercutA (MDC Fill):		73.38	343.46	1.40	480.85	Yes	
20+00.00							-447.06
Normal Cut:		0.00	0.03	1.00	0.03	Yes	
Normal Fill:		9.57	1.72	1.40	2.41	Yes	
Added Cut:			-2.33	1.00	-2.33	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
UndercutA (Fill):		83.15	17.31	1.40	24.23	Yes	
UndercutA (MDC Cut):		70.12	15.23	1.00	15.23	Yes	
UndercutA (MDC Fill):		70.12	15.23	1.40	21.32	Yes	
20+07.07							-474.45
Normal Cut:		0.00	0.00	1.00	0.00	Yes	
Normal Fill:		20.99	4.00	1.40	5.60	Yes	
Added Cut:			-2.87	1.00	-2.87	Yes	
Added Fill:			0.00	1.00	0.00	Yes	
UndercutA (Fill):		0.00	10.89	1.40	15.24	Yes	
UndercutA (MDC Cut):		0.00	9.18	1.00	9.18	Yes	
UndercutA (MDC Fill):		0.00	9.18	1.40	12.85	Yes	
21+00.00							-512.22
Normal Cut:		0.00	0.00	1.00	0.00	Yes	
Normal Fill:		539.48	0.00	1.40	0.00	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
	Added Cut:		-37.76	1.00	-37.76	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.40	0.00	Yes	
22+00.00							-552.85
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	511.09	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.40	0.00	Yes	
22+69.07							-580.92
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	25.45	0.00	1.40	0.00	Yes	
	Added Cut:		-28.07	1.00	-28.07	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.40	0.00	Yes	
22+81.83							-636.52
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	21.17	11.02	1.40	15.43	Yes	
	Added Cut:		-5.19	1.00	-5.19	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	86.71	20.49	1.40	28.69	Yes	
	UndercutA (MDC Cut):	66.56	15.73	1.00	15.73	Yes	
	UndercutA (MDC Fill):	66.56	15.73	1.40	22.02	Yes	
23+00.00							-763.30
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	27.62	16.41	1.40	22.98	Yes	
	Added Cut:		-7.38	1.00	-7.38	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	77.27	55.17	1.40	77.24	Yes	
	UndercutA (MDC Cut):	76.00	47.96	1.00	47.96	Yes	
	UndercutA (MDC Fill):	76.00	47.96	1.40	67.15	Yes	
24+00.00							-1339.67
	Normal Cut:	9.29	17.20	1.00	17.20	Yes	
	Normal Fill:	3.69	57.97	1.40	81.16	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	49.50	234.77	1.40	328.67	Yes	
	UndercutA (MDC Cut):	117.19	357.77	1.00	357.77	Yes	
	UndercutA (MDC Fill):	117.19	357.77	1.40	500.88	Yes	
25+00.00							-1625.74
	Normal Cut:	43.56	97.87	1.00	97.87	Yes	
	Normal Fill:	0.00	6.83	1.40	9.56	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	8.03	106.54	1.40	149.15	Yes	
	UndercutA (MDC Cut):	132.00	461.47	1.00	461.47	Yes	
	UndercutA (MDC Fill):	132.00	461.47	1.40	646.06	Yes	
26+00.00							-1664.86
	Normal Cut:	77.36	223.94	1.00	223.94	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.36	15.53	1.40	21.74	Yes	
	UndercutA (MDC Cut):	138.91	501.70	1.00	501.70	Yes	
	UndercutA (MDC Fill):	138.91	501.70	1.40	702.37	Yes	
27+00.00							-1575.56
	Normal Cut:	104.58	336.93	1.00	336.93	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.66	1.40	0.93	Yes	
	UndercutA (MDC Cut):	139.27	515.16	1.00	515.16	Yes	
	UndercutA (MDC Fill):	139.27	515.16	1.40	721.22	Yes	
28+00.00							-1425.85
	Normal Cut:	109.62	396.67	1.00	396.67	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	139.27	515.82	1.00	515.82	Yes	
	UndercutA (MDC Fill):	139.27	515.82	1.40	722.15	Yes	
29+00.00							-1274.93
	Normal Cut:	105.24	397.89	1.00	397.89	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	139.27	515.82	1.00	515.82	Yes	
	UndercutA (MDC Fill):	139.27	515.82	1.40	722.15	Yes	
30+00.00							-1173.07
	Normal Cut:	83.13	348.83	1.00	348.83	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	139.27	515.82	1.00	515.82	Yes	
	UndercutA (MDC Fill):	139.27	515.82	1.40	722.15	Yes	
30+56.00							-1146.64
	Normal Cut:	73.10	162.02	1.00	162.02	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-22.76	1.00	-22.76	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	132.73	282.08	1.00	282.08	Yes	
	UndercutA (MDC Fill):	132.73	282.08	1.40	394.91	Yes	
31+00.00							-1148.22
	Normal Cut:	0.00	59.56	1.00	59.56	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-17.88	1.00	-17.88	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	0.00	108.15	1.00	108.15	Yes	
	UndercutA (MDC Fill):	0.00	108.15	1.40	151.41	Yes	
32+00.00							-1188.86
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	
	Added Cut:		-40.64	1.00	-40.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.40	0.00	Yes	
32+87.70							-1224.50
	Normal Cut:	0.00	0.00	1.00	0.00	Yes	
	Normal Fill:	0.00	0.00	1.40	0.00	Yes	

Station	Type	Area	Volume	Factor	Adjusted Volume	Included in Mass Ordinate?	Mass Ordinate
	Added Cut:		-35.64	1.00	-35.64	Yes	
	Added Fill:		0.00	1.00	0.00	Yes	
	UndercutA (Fill):	0.00	0.00	1.40	0.00	Yes	
	UndercutA (MDC Cut):	0.00	0.00	1.00	0.00	Yes	
	UndercutA (MDC Fill):	0.00	0.00	1.40	0.00	Yes	

Totals:

	Normal Cut:		4125.59		4125.59		
	Normal Fill:		134.52		188.32		
	Added Cut:		-929.63		-929.63		
	Added Fill:		0.00		0.00		
	UndercutA (Fill):		825.63		1155.88		
	UndercutA (MDC Cut):		7690.64		7690.64		
	UndercutA (MDC Fill):		7690.64		10766.90		