





Calc. By: M. Pochop, P.E.  
 Date: 7/12/2010  
 Check By: C. Chambers, P.E.  
 Date: 7/12/2010



File No.: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Project: 08R0114  
 Sheet No.: 3 of 7

Earthwork Volume Calculation

	Station	Default Subgrade		Subgrade for Grade Separation				Additional Volume CY	Additional Footprint AC
		End Area SF	Volume CY	H FT	B FT	End Area SF	Volume CY		
PVC	0+00.00	150		3.00	56	150			
Sag VPI	6+00.00	150	3,333	3.90	59.6	202	3,911	578	0.02
EVC	12+00.00	150	3,333	6.60	70.4	378	6,444	3,111	0.12
PVC	16+33.33	150	2,407	9.20	80.8	574	7,640	5,233	0.19
Crest VPI	22+33.33	150	3,333	11.00	88	726	14,444	11,111	0.39
EVC	28+33.33	150	3,333	9.20	80.8	574	14,444	11,111	0.39
PVC	32+66.67	150	2,407	6.60	70.4	378	7,640	5,233	0.19
Sag VPI	38+66.67	150	3,333	3.90	59.6	202	6,444	3,111	0.12
EVC	44+66.67	150	3,333	3.00	56	150	3,911	578	0.02
Totals			24,812				64,878	40,066	1.44





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File No.: \_\_\_\_\_  
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 Project: 08R0114  
 Sheet No.: 5 of 7

Earthwork Volume Calculation

	Station	Default Subgrade		Subgrade for Grade Separation				Additional Volume CY	Additional Footprint AC
		End Area SF	Volume CY	H FT	B FT	End Area SF	Volume CY		
PVC	0+00.00	150		3.00	56	150			
Sag VPI	7+00.00	150	3,889	4.23	60.9	222	4,822	933	0.04
EVC	14+00.00	150	3,889	7.90	75.6	472	8,996	5,107	0.20
PVC	16+42.86	150	1,349	10.30	85.2	665	5,113	3,764	0.14
Crest VPI	24+42.86	150	4,444	12.75	95	886	22,978	18,534	0.63
EVC	32+42.86	150	4,444	10.30	85.2	665	22,978	18,534	0.63
PVC	34+85.71	150	1,349	7.90	75.6	472	5,113	3,764	0.14
Sag VPI	41+85.71	150	3,889	4.23	60.9	222	8,996	5,107	0.20
EVC	48+85.71	150	3,889	3.00	56	150	4,822	933	0.04
Totals			27,142				83,818	56,676	2.02





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 Project: 08R0114  
 Sheet No.: 7 of 7

Earthwork Volume Calculation									
	Station	Default Subgrade		Subgrade for Grade Separation				Additional Volume CY	Additional Footprint AC
		End Area SF	Volume CY	H FT	B FT	End Area SF	Volume CY		
PVC	0+00.00	150		3.00	56	150			
Sag VPI	9+00.00	150	5,000	5.03	64.1	272	7,033	2,033	0.08
EVC	18+00.00	150	5,000	11.10	88.4	735	16,783	11,783	0.42
PVC	20+88.89	150	1,605	13.70	98.8	978	9,164	7,559	0.25
Crest VPI	29+88.89	150	5,000	17.75	115	1411	39,817	34,817	1.05
EVC	38+88.89	150	5,000	13.70	98.8	978	39,817	34,817	1.05
PVC	41+77.78	150	1,605	11.10	88.4	735	9,164	7,559	0.25
Sag VPI	50+77.78	150	5,000	5.03	64.1	272	16,783	11,783	0.42
EVC	59+77.78	150	5,000	3.00	56	150	7,033	2,033	0.08
Totals			33,210				145,594	112,384	3.60