

EARTHWORKS



																				SUMMARY AND BALANCES																			
		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT						TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT						TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT				STATION TO STATION		TOT EXC. EARTH & ROCK	ROCK EXCAV	EMBANK	EXCESSES		ACUMULATIVE EXCESSES		
STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	km + m	km + m	m ³	m ³	m ³	CUT	FILL	CUT	FILL	
km + m	m	m ²	m ³	m ²	m ³	m ²	m ³	m ²	m ³	km + m	m	m ²	m ³	m ²	m ³	m ²	m ³	m ²	m ³	km + m	m	m ²	m ³	m ²	m ³	m ²	m ³	km + m	km + m	m ³	m ³	m ³							
VT 100								CUT	72																														
7+540								R.CUT	0																														
7+580	20	0.3	3.0			5.4	54.0	FILL	190																														
7+580	20	1.7	20.0			3.8	92.0	FAC	1.15																														
7+600	20	3.2	49.0			0.6	44.0	EXF	147																														
7+620	20	9.2	124.0				6.0																																
7+640	20	27.6	368.0																																				
7+660	20	42.5	701.0					CUT	13306																														
7+680	20	54.4	969.0					R.CUT	0																														
7+700	20	66.8	1212.0					FILL	6																														
7+720	20	83.0	1498.0					FAC	1.15																														
7+740	20	97.7	1807.0					EXC	13299																														
7+760	20	112.5	2102.0																																				
7+780	20	112.1	1569.0																																				
7+800	20	116.1	2282.0																																				
7+820	20	91.5	1246.0					CUT	19779																														
7+840	20	103.8	1953.0					R.CUT	0																														
7+860	20	243.8	3476.0					FILL	138																														
7+880	20	289.6	5334.0					FAC	1.15																														
7+900	20	218.2	5078.0					EXC	19620																														
7+912	12	75.6	1763.0			1.5	11.0																																
8+081			BRIDGE			186.7																																	
8+084	3					186.7	580.0																																
8+084		38.4				309.0		CUT	320																														
8+100	16		307.0			381.4	5523.0	R.CUT	0																														
8+120	20					251.8	6332.0	FILL	27351																														
8+140	20					180.3	4321.0	FAC	1.15																														
8+160	20					129.2	3095.0	EXF	31134																														
8+180	20					192.2	3214.0																																
8+200	20	1.3	13.0			238.4	4306.0																																
8+220	20		13.0			283.9	5223.0																																
8+240	20					266.8	5507.0																																
8+260	20					200.1	4669.0	CUT	221																														
8+280	20					335.6	5357.0	R.CUT	0																														
8+300	20					263.8	5994.0	FILL	31723																														
8+320	20					107.2	3710.0	FAC	1.15																														
8+340	20	8.3	83.0			8.3	1155.0	EXF	36280																														
8+346	6	8.3	50.0			8.3	50.0																																
8+360	14	2.3	74.0			0.0	58.0																																
8+361	1		1.0																																				

REMARKS

EARTH AND ROCK EXCAVATION	34468
SOLID ROCK EXCAVATION (ASSUME 2% OF EARTH EXC)	689
EARTH EXCAVATION	33779
PLANIMETERED FILL	59900
LESS FACTORED SOLID ROCK	896
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	59004
FACTOR QUANT X (0.15) =	8851
PLANIMETERED FILL INCLUDING FACTOR	67855
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	33779
UNCLASSIFIED CHANNEL EXCAVATION	1350
UNDERDRAIN EXCAVATION	607
STRUCTURE EXCAVATION	1180
TOTAL MATERIAL AVAILABLE FOR FILL	36896
TOTAL FILL INCLUDING FACTOR	67855
TOTAL MATERIAL FOR FILL	36896
BORROW	30959
EXCESS EXCAVATION	

PROJECT NAME: MORRISTOWN
 PROJECT NUMBER: STP F-029-1(2) C/1
 FILE NAME: z10b194ew3.xls PLOT DATE: 3/29/2012
 PROJECT LEADER: DMB DRAWN BY: MJF
 DESIGNED BY: JWS CHECKED BY: BRC
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