

# EARTHWORKS

		TOTAL EXCAVATION EARTH AND ROCK				ROCK EXCAVATION				EMBANKMENT						TOTAL EXCAVATION EARTH AND ROCK				ROCK EXCAVATION				EMBANKMENT						SUMMARY AND BALANCES								
STATION	DIST	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	STATION TO STATION	TOT EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES		ACUMULATIVE EXCESSES				
	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.			FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.			CUT	FILL	CUT	FILL	
136+00		0				0																																
	50		87																																			
136+50		94				2																																
	50		178				3																															
137+00		98				2																																
	50		213				2																															
137+50		132				0																																
	50		252				3																															
138+00		140				3																																
	50		246				3																															
138+50		126				0																																
	50		203				12																															
139+00		94				13																																
	50		87				12																															
139+50		0				0																																
	50		15			47				CUT	2189																											
140+00		16				51				ROCK	0																											
	50		30			75				R.FAC	.495																											
140+50		0+16				30				FILL	224																											
	50		37			38				F.FAC	1.15																											
141+00		0+24				11				EX. C	1931																											
	50		88				11																															
141+50		71				2																																
	50		161				2																															
142+00		104				1																																
	50		186				1																															
142+50		98				0																																
	50		173				5																															
143+00		89				5																																
	50		157				7																															
143+50		80				3																																
	50		75				3																															
144+00		0				0																																
	50		18				19																															
50+25		16					19																															
	25		18																																			
50+50		23				8				CUT	71																											
	25		24			8				ROCK	0																											
50+75		30				9				R.FAC	.495																											
	25		28			4				FILL	13																											
51+00		31				0				F.FAC	1.15																											
	25									EX. C	56																											

**REMARKS**

EARTH AND ROCK EXCAVATION	2260
SOLID ROCK EXCAVATION	
EARTH EXCAVATION	2260
PLANIMETERED FILL	237
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	237
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	273
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	2260
CHANNEL EXCAVATION	
UNDERDRAIN EXCAVATION	
STRUCTURE EXCAVATION	
TOTAL MATERIAL AVAILABLE FOR FILL	2260
TOTAL FILL INCLUDING FACTOR	273
TOTAL MATERIAL FOR FILL	2260
BORROW	
EXCESS EXCAVATION	1987

PROJECT NAME: **MIDDLEBURY**  
PROJECT NUMBER: **RS 0174(8)**  
FILE NAME: **z78f217\_Earthwork** PLOT DATE: **8/9/2013**  
PROJECT LEADER: **M. COLGAN** DRAWN BY: **M. BOGUE**  
DESIGNED BY: **M. BOGUE** CHECKED BY: **J. A. WHITMORE**  
**EARTHWORK SHEET** SHEET **13** OF **104**