

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 C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	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	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.					CUT	FILL	CUT	FILL			
US ROUTE 7										LAKE ROAD										US ROUTE 7																				
100+00		0		0		0				300+50		312		0		31														100+00	105+50	2739	389	579	2265	0	2265	0		
100+50	50	6	5	0	0	5	0			301+00	50	254	525	0	0	3	0												106+00	111+50	2972	352	86	3047	0	5312	0			
101+00	50	92	90	20	19	13	16			301+50	50	242	459	0	0	7	9												LAKE ROAD											
101+50	50	196	196	20	37	13	18			302+00	50	227	434	0	0	8	14											300+50	305+00	2576	0	57	2510	0	7822	0				
102+00	50	128	230	20	37	11	16			302+50	50	175	372	0	0	2	9											KILBURN ROAD												
102+50	50	140	249	20	37	9	18			303+00	50	119	273	0	0	0	0											200+50	201+26	9	49	33	0	4	7818	0				
103+00	50	126	247	20	37	187	181	CUT	2739	303+50	50	95	199	0	0	0	0											TOTALS												
103+50	50	158	263	20	37	13	186	R.FAC	495	304+00	50	84	166	0	0	6	6																							
104+00	50	177	310	20	37	8	19	F.FAC	1.15	304+50	50	39	114	0	0	7	12																							
104+50	50	159	292	20	37	23	28	EX. C	2265	305+00	50	0	36	0	0	0	7																							
105+00	50	156	283	20	37	28	32			KILBURN ROAD																														
105+50	50	149	263	20	37	7	16			200+50	50	0	18	18	32	1	33	CUT	9																					
106+00	50	135	258	20	37	11	10			201+00	26	7	6	18	17	0	0	ROCK	49																					
106+50	50	144	347	20	37	0	0			201+26	0	0	3	18	0	0	0	R.FAC	495																					
107+00	50	231	540	20	37	0	0											FILL	33																					
107+50	50	352	532	20	37	0	0											F.FAC	1.15																					
108+00	50	222	333	20	37	0	10			NOTE: ROCK EXCAVATION ON KILBURN ROAD WAS ESTIMATED FROM THE LAYOUT SHEETS AND NOT BY END AREA METHOD. KILBURN ROAD ROCK EXCAVATION END AREAS SHOWN ARE ASSUMED BASED ON TOTAL VOLUME CALCULATED.																														
108+50	50	138	251	20	37	11	21	CUT	2972									ROCK	352																					
109+00	50	133	241	20	37	12	16	R.FAC	495									FILL	86																					
109+50	50	127	229	20	37	5	8	F.FAC	1.15									EX. C	3047																					
110+00	50	120	173	20	37	3	11																																	
110+50	50	67	64	20	37	9	9																																	
111+00	50	3	2	0	0	1	1																																	
111+50	50	0	0	0	0	0	0																																	
NOTE: ROCK EXCAVATION ON US ROUTE 7 IS ESTIMATED TO BE THE AVERAGE END AREA REMOVAL OF THE EXISTING CONCRETE ROADBED AND PAVEMENT. CONCRETE ROADBED AND PAVEMENT ESTIMATED TO BE 1' THICK (7" SLAB AND 5" OF PAVEMENT) AND 20' WIDE.																																								
																				REMARKS																				
																				EARTH AND ROCK EXCAVATION 8296 CY SOLID ROCK EXCAVATION 790 CY EARTH EXCAVATION 7506 CY																				
																				PLANIMETERED FILL 755 CY LESS FACTORED SOLID ROCK (FACTOR = 0.495) 391 CY NET PLANIMETERED FILL 1146 CY FACTOR 1.15 PLANIMETERED FILL INCLUDING FACTOR 1318 CY																				
																				MATERIALS AVAILABLE FOR FILLS																				
																				EARTH EXCAVATION 7506 CY UNCLASSIFIED CHANNEL EXCAVATION 450 CY TRENCH EXCAVATION (EARTH AND ROCK) X 60% 2478 CY DRIVE EXCAVATION 365 CY EXCAVATION OF SURFACES AND PAVEMENTS 85 CY																				
																				TOTAL MATERIAL AVAILABLE FOR FILL 10884 CY																				
																				TOTAL FILL INCLUDING FACTOR 1318 CY TOTAL MATERIAL FOR FILL 10884 CY BORROW 0 CY EXCESS EXCAVATION 9566 CY																				

PROJECT NAME: MILTON
PROJECT NUMBER: STP 5800 (2)
FILE NAME: +92D289.frm.dgn PLOT DATE: 23-FEB-2011
PROJECT LEADER: J. SCHULTZ DRAWN BY: D. LYMAN
DESIGNED BY: D. LYMAN CHECKED BY: J. DEVLIN
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