STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

CHANNEL (CITY STREAM)

STATION	DIST FT.	UNCLASSIFIED EXCAVATION AREA S.F.	UNCLASSIFIED EXCAVATION VOLUME C.Y.	UNCLASSIFIED CHANNEL AREA S.F.	UNCLASSIFIED CHANNEL VOLUME C.Y.	NATIVE RIVERBED MATERIAL AREA S.F.	NATIVE RIVERBED MATERIAL VOLUME C.Y.		
4+00		0		0		0			
	50		95		64		0		
4+50		103		69		0			
	50		379		578		188		
5+00		307		555		203			
	50		565		1078		374	CUT	16413
5+50		303		609		201		ROCK	0
	50		681		1177		400	R.FAC	0.495
6+00		432		662		231		FILL	3267
	50		660		1233		411	F.FAC	1.15
6+50		281		670		213		EX. C	12656
	50		553		1292		408		
7+00		316		725		228			
	50		728		1407		445		
7+50		470		794		253			
	50		830		1643		462		
8+00		426		980		246			
	50		735		1597		403		
8+50		368		745		189			
	50		385		689		175		
9+00		49		0		0			
	50		45		0		0		
9+50		0		0		0			

* 5% CONTIGENCY ADDED FOR CHANGE IN FIELD CONDITIONS

			283		

STATION	DIST FT.	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.		

STATION	DIST FT.	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.		

SUMMARY AND BALANCES

STATION TO STATION	TOT EXC. EARTH & CHANNEL C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES CUT	EXCESSES FILL	ACUMULATIVE EXCESSES CUT	ACUMULATIVE EXCESSES FILL
WOODFORD ER NH 010-1(47)							
4+00 9+50	16413		3757	12656		12656	
5% CONTINGENCY	283			283		12939	
SUB-TOTAL	16696		3757	12939			
TOTAL	16696		3757	12939			

REMARKS

EARTH AND ROCK EXCAVATION		5938
SOLID ROCK EXCAVATION		0
EARTH EXCAVATION		0
BACKFILL FOR TRENCH EXCAVATION (CB AND PIPES)		
PLANIMETERED FILL		
LESS FACTORED SOLID ROCK		
LESS DISPLACEMENT OF ANY LARGE STRUCTURES		
NET PLANIMETERED FILL		
FACTOR		1.15
PLANIMETERED FILL INCLUDING FACTOR		
MATERIALS AVAILABLE FOR FILLS		
EARTH EXCAVATION		0
CHANNEL EXCAVATION		10758
UNDERDRAIN EXCAVATION		
STRUCTURE EXCAVATION		
TRENCH EXCAVATION FOR DRAINAGE		
TRENCH EXCAVATION OF ROCK		
TOTAL MATERIAL AVAILABLE FOR FILL		16696
TOTAL FILL INCLUDING FACTOR		3757
TOTAL MATERIAL FOR FILL		16696
BORROW		
EXCESS EXCAVATION		12939

GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: WOODFORD
PROJECT NUMBER: ER NH 010-1(47)

FILE NAME: z12B402ewqty.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: M. BRADLEY
EARTHWORKS SHEET

PLOT DATE: 12/03/2014
DRAWN BY: M. BRADLEY
CHECKED BY: E. ATKINS
SHEET 14 OF 35