STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

STATION	DIST	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.	AREA S.F.	VOLUME C.Y.
6+34.10	0	0	0	0	0	0	0		
7+27.12	93	0	75	0	4	1	2		
								CUT	156
9+97.43	0	0	0	0	0	6	0	ROCK	5
10+95.00	98	0	81	0	1	0	11	R.FAC	1
								FILL	13
								F.FAC	1
								EX. C	144

STATION	DIST	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.	AREA S.F.	VOLUME C.Y.

STATION	DIST	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.	AREA S.F.	VOLUME C.Y.

SUMMARY AND BALANCES

STATION TO STATION		TOT EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES CUT	EXCESSES FILL	ACUMULATIVE EXCESSES CUT	ACUMULATIVE EXCESSES FILL
6+34.10	7+27.12	79	4	2	77	0	0	0
9+97.43	10+95.00	82	1	11	71	0	148	0
TOTAL		161	5	13				

REMARKS	
EARTH AND ROCK EXCAVATION	161
SOLID ROCK EXCAVATION	5
EARTH EXCAVATION	156
PLANIMETERED FILL	13
LESS FACTORED SOLID ROCK	7
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	6
FACTOR	0.15
PLANIMETERED FILL INCLUDING FACTOR	7
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	156
CHANNEL EXCAVATION	0
COFFERDAM EXCAVATION	839
TRENCH EXCAVATION	222
UNDERDRAIN EXCAVATION	0
STRUCTURE EXCAVATION	734
TOTAL MATERIAL AVAILABLE FOR FILL	1951
TOTAL FILL INCLUDING FACTOR	7
TOTAL MATERIAL FOR FILL	1951
BORROW	0
EXCESS EXCAVATION	1944

STATE OF VERMONT
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DRAINAGE DETAIL SHEET

STATION	STATION	POS.	PIPE #	INLET/OUTLET TYPE INLET	INLET/OUTLET TYPE OUTLET	DITCH IN	DITCH OUT	PIPE ARCH SPAN IN	PIPE ARCH RISE IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	ALLOWABLE OPTIONS CAAP TH	ALLOWABLE OPTIONS RCP CL	ALLOWABLE OPTIONS CSP TH	ALLOWABLE OPTIONS CPEP SL	ALLOWABLE OPTIONS PCCSP PI TH	MH EA	PRCMH	CB EA	PRCDI	DEPTH DI FT	CONC CLASS B CY	REINF STEEL LBS	DI GRATE TYPE	CHAN ELEV EA	CRM CY	TRENCH EXCAVATION EARTH CY	TRENCH EXCAVATION ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUCT EXCAV CY	GRAN BKFILL STRUCT CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	STONE FILL TYPE	MARKER POSTS LT EA	MARKER POSTS RT EA	REMARKS
6+86.56	7+05.02	LT	1	DI	MH					26 ~~25.95~~	18		.064	.060			X				1				E			25.5											NEW 18" PIPE - SEE PIPE PROFILE SHEET
7+08.07	7+62.59	LT	2	MH	Stone		X			52 ~~54.62~~	18		.064	.060			X			1				C			66.6									1		NEW 18" PIPE - SEE PIPE PROFILE SHEET;
10+26.13	10+46.19	RT - LT	3	DI	DI					34 ~~36.85~~	18		.064	.060			X				1				E			23.2											NEW 18" PIPE - SEE PIPE PROFILE SHEET
10+36.37	10+46.35	LT	4	DI	MH					22 ~~17.40~~	18		.064	.060			X				1				E			15.0											NEW 18" PIPE - SEE PIPE PROFILE SHEET
9+96.67	10+33.57	LT	5	MH	Stone		X			36 ~~36.80~~	18		.064	.060			X			1				C			27.3									1		NEW 18" PIPE - SEE PIPE PROFILE SHEET;
6+73.31	6+77.31	RT			Stone																													1.2	I			4'W X ~~3~~ 5.3 X 1'D STONE PAD
7+62.59	7+78.56	LT			Stone																													6.9	III			4'W X 15.6'L X ~~3~~ 14.5 STONE PAD
9+83.71	9+96.87	LT			Stone																													5.3	III			4'W X 11.9'L X ~~3~~ 17.5 STONE PAD

PROJECT NAME:	BENNINGTON
PROJECT NUMBER:	BRF 1000(16)
FILE NAME: z881087bdr_ews.dgn	PLOT DATE: 8/27/2014
PROJECT LEADER: R. HEBERT	DRAWN BY: J. DAVIS
DESIGNED BY: T. KELLEY	CHECKED BY: D. BRYANT
EARTHWORK SUMMARY / ITEM DETAIL & DRAINAGE	SHEET 6 OF 75