STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL AND DRAINAGE SHEET

STATION	STATION	POS.	ASKEW	INLET/OUTLET TYPE		PIPE		ALLOWABLE OPTIONS				PIPE ELBOW	ES	CB	MH	DEPTH DI	CONC CLASS B	REINF STEEL	DI GRATE	MANHOLE COVER	CRM	TRENCH EXCAVATION		GRAN BKFILL STRUCT	EROS MATT	STONE FILL		MARKER POSTS		REMARKS
			NO. DEG.	INLET	OUTLET	D IN	L FT	RCP CLASS	CAAP TH	CPEP SL	PCCSP TH	NO. DEG.	EA	EA	EA	FT	CY	LBS	TYPE	EA	CY	EARTH CY	ROCK CY	CY	SY	CY	TYPE	LT EA	RT EA	
EXISTING DRAINAGE																														* REFER TO ROADWAY LAYOUT SHEETS FOR REMOVAL OR ABANDONMENT REQUIREMENT FOR EXISTING PIPES. QUANTITY OF PIPE REMOVAL IS INCLUDED IN TRENCH EXCAVATION WHERE APPLICABLE
VT ROUTE 9																														
1 19+47.7	19+47.5	LT-RT		DI	PIPE																									RETAIN EXISTING PIPE TO PROPOSED ELBOW
2 21+97.9	21+97.9	LT-RT		DI	PIPE																									RETAIN EXISTING PIPE TO PROPOSED ELBOW
3 24+47.9	24+47.9	LT-RT		DI	PIPE																									RETAIN EXISTING PIPE TO 10-FEET FROM DOWNSTREAM END
4 28+13.3	27+31.1	LT-RT		PIPE	PIPE																									RETAIN EXISTING PIPE TO 10-FEET FROM DOWNSTREAM END
PROPOSED DRAINAGE																														
VT ROUTE 9																														
1 19+47.5	19+47.5	RT-RT		DI	ES	18	54			X		22.5/22.5	1									49.0			40	1.9	TYPE I		1	FIELD CUT AS REQUIRED TO ACCEPT NEW PIPE ELBOW, SEE 1 1
2 21+97.9	21+97.9	RT-RT		DI	ES	18	46				0.079	11.25/22.5	1									38.0			35	1.3	TYPE I		1	FIELD CUT AS REQUIRED TO ACCEPT NEW PIPE ELBOW, SEE 2 2
3 24+47.9	24+47.9	RT-RT		DI	PIPE	18	10				0.064																		1	FIELD CUT AS REQUIRED TO ACCEPT NEW PIPE, SEE 3
4 27+35.7	27+31.1	RT-RT		PIPE	PIPE	18	10				0.064																		1	FIELD CUT AS REQUIRED TO ACCEPT NEW PIPE, SEE 4
TOTALS						**18** **18** **18**	**54** **46** **20**	**CPEP(SL)** **PCCSP(0.079)** **PCCSP(0.064)**				**2** **2**	**1** **1**									**87.0**			**75.0**	**3.2**			**4**	

STEEL BEAM GUARDRAIL, GALVANIZED

BEGIN STATION	END STATION	POSITION LEFT FT	POSITION RIGHT FT	END TREATMENT LEFT FT	END TREATMENT RIGHT FT
VT ROUTE 9					
23+75.0	27+25.0		350		
18+00.0	19+25.0		125		
TOTAL REMOVE AND RESET			**475**		
VT ROUTE 9					
DAMAGED RAIL SECTIONS			100	AS DIRECTED	
TOTAL NEW GUARDRAIL			**100**	BY ENGINEER	
TOTALS					

CURB

BEGIN STATION	END STATION	POSITION LEFT FT	POSITION RIGHT FT	END TREATMENT LEFT FT	END TREATMENT RIGHT FT
TOTALS					

UNDERDRAIN

BEGIN STATION	END STATION	POSITION	TYPE	DIA IN.	LENGTH FT	TRENCH EARTH CY.	TRENCH ROCK CY.	GRAN BKFILL CF	FB EA	MRK. POST EA
TOTALS										

PROJECT NAME: SEARSBURG
PROJECT NUMBER: NH 010-1(48)

FILE NAME: z12B404itemdet.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: M. BRADLEY
ITEM DETAIL AND DRAINAGE SHEET

PLOT DATE: 6/16/2014
DRAWN BY: M. BRADLEY
CHECKED BY: E. ATKINS
SHEET 11 OF 45

GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS