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
				INLET	OUTLET	D	L	RCP	CAAP	CPEP	PCCSP											EARTH	ROCK					LT	RT	
			NO. DEG.			IN	FT	CLASS	TH	SL	TH	NO. DEG.	EA	EA	EA	FT	CY	LBS	TYPE	EA	CY	CY	CY	CY	SY	CY	TYPE	EA	EA	
EXISTING DRAINAGE																														
MONTPELIER																														
1	5+80.0	5+37.6	LT		PIPE	CB																								RETAIN PIPE.
2	5+37.6	1+28.2	LT-LT		CB	CB																								RETAIN PIPE. REMOVE AND DISPOSE EXISTING CB. CONNECT NEW CB TO EXISTING.
3	1+28.2	1+58.9	LT-RT		CB	MH																								RETAIN PIPE. CONNECT NEW CB TO EXISTING PIPE.
4	1+28.7	1+58.9	RT		CB	MH																								RETAIN PIPE.
5	1+90.9	1+58.9	RT		CB	MH																								RETAIN PIPE.
6	2+02.2	1+74.4	RT		CB	CB																								RETAIN PIPE. CONVERT CB TO MANHOLE.
7	1+58.9	10+61.5	RT-LT		MH	PIPE																								RETAIN PIPE.
PROPOSED DRAINAGE																														
MONTPELIER - ELM STREET																														
1	1+28.2	1+31.5	LT		PIPE	CB	24	4				0.064*			1				D			6.5	5.0	2.8						5' DIAMETER PRECAST REINFORCED CONCRETE CATCH BASIN (1 GRATE). CONNECT NEW PIPE TO EXISTING PIPE.
2	1+28.2	1+34.0	LT		CB	PIPE	24	4				0.064*																		CONNECT TO NEW CB AND EXISTING PIPE.
3	1+92.6		LT		PIPE	PIPE									1				D			6.5	5.0	2.8						4' DIAMETER PRECAST REINFORCED CONCRETE CATCH BASIN (1 GRATE). CONNECT EXISTING PIPES TO NEW CB.
4	1+74.7	1+58.9	RT		CB	MH															1									REHAB CATCH BASIN. CONVERT TO MANHOLE. REMOVE AND DISPOSE CATCH BASIN FRAME AND GRATE AND REPLACE WITH NEW FRAME AND COVER.
TOTALS						24	8	PCCSP .064 (2-2/3 X 1/2)*						2					D=2	1		13.0	10.0	5.6						

*NOTE: PRIOR TO ORDERING THE NEW PIPE, THE CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE MATERIAL. THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THAT THE NEW PIPE MATERIAL AND EXISTING PIPE MATIERAL ARE COMPATIBLE.

STEEL BEAM GUARDRAIL, GALVANIZED

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

CURB

SEE ROADWAY LAYOUT SHEETS AND CURB TIE AND GRADING SHEETS FOR ADDITIONAL DETAILS

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										

GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: STATEWIDE
PROJECT NUMBER: STP SDWK(11)

FILE NAME: z11f1161temdet.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: T. BIGELOW
ITEM DETAIL AND DRAINAGE SHEET

PLOT DATE: 10/9/2013
DRAWN BY: A. SWEETMAN
CHECKED BY: A. ACHARYA
SHEET 6 OF 53