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	DEPTH DI	CONC CLASS B	REINF STEEL	DI GRATE	CHAN ELEV	CRM	STR. EXC.	TRENCH EXCAVATION		GRAN BKFILL STRUCT	EROS MATT	STONE FILL		MARKER POSTS		REMARKS
			NO. DEG.	INLET	OUTLET	D IN	L FT	PCCSPA TH	CAAPA TH	CPEP SL	NO. DEG.	EA	EA	FT	CY	LBS	TYPE	EA	CY	CY	EARTH CY	ROCK CY	CY	SY	CY	TYPE	LT EA	RT EA	
EXISTING DRAINAGE																													
Mendon Brook																													
1 22+20.6	21+46.5	RT-LT	-	PIPE	PIPE	48	120																					1	RETAIN 48" CPEP PIPE
2 26+52.3	26+16.9	RT-LT	-	PIPE	PIPE	48	100																				1	1	REMOVE ONE SECTION OF PIPE FROM DOWNSTREAM END OF 48" RCP
3 28+72.5	28+72.5	RT-LT	-	PIPE	PIPE	24	92																				1		RETAIN 24" CMP PIPE
4 30+39.9	30+40.5	RT-LT	-	PIPE	PIPE	18	95																				1		RETAIN 18" CMP PIPE
5 200+52.4	200+72.8	BL-RT	-	PIPE	PIPE	24	21																						RELAYING PIPE CULVERTS AND EXTEND 1.6'
NEW DRAINAGE																													
Mendon Brook																													
1 24+21.6	23+80.9	RT-LT	65.5	SHW	PIPE	57"X38"	99	.109	.135						28	3875				611			156				1	1	57" X 38" PIPE OPTION AND CONSTRUCT NEW HEADWALL
2 200+52.4	200+75.0	BL-BL	-	PIPE	PIPE	24	1.6														31								RELAYING PIPE CULVERTS AND EXTEND 1.6'
NEW SEWER																													
1 263+35.2	264+18.2	BL-BL	-	MH	MH	16"	83														48								CONSTRUCT NEW INLINE SANITARY SEWER MANHOLE (4') AND INSTALL 83' OF NEW SPECIAL PROVISION (DUCTILE IRON PIPE, SEWER)(16"). CONNECT TO EXISTING MANHOLE AND REHAB AS NECESSARY.
TOTALS						57"X38"	99	57" X 38" PIPE OPTION							28	3875				611	79		156				4	3	
						24"	1.6	24"CPEP																					
						16"	83	SPECIAL PROVISION (DUCTILE IRON PIPE, SEWER)(16")																					

GUARDRAIL

BEGIN STATION	END STATION	POSITION LEFT FT	POSITION RIGHT FT	END TREATMENT LEFT FT	END TREATMENT RIGHT FT
US ROUTE 4					
REMOVE AND RESET GUARDRAIL					
23+07.2	23+44.7	-	-	37.5	-
24+44.7	29+69.7	525	-	-	-
GALVANIZED/NESTED					
23+44.7	24+44.7	100	-	-	-
TOTAL REMOVE AND RESET		525		37.5	
TOTAL GALVANIZED/NESTED		100			

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: MENDON
PROJECT NUMBER: ER 020-2(39)

FILE NAME: z13b188itemdet.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: M. BRADLEY
ITEM DETAIL & DRAINAGE SHEET

PLOT DATE: 11/13/2015
DRAWN BY: T. BIGELOW
CHECKED BY: E. ATKINS
SHEET 27 OF 72