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 DRAINAGE LAYOUT SHEETS FOR REMOVAL OR ABANDONMENT REQUIREMENT FOR EXISTING PIPES. QUANTITY OF PIPE REMOVAL IS INCLUDED IN TRENCH EXCAVATION OF ROCK WHERE APPLICABLE
RAMP "B"																														
1	55+06.6	55+06.6	LT		DI	DI																								REMOVE ENTIRE STRUCTURE AND REPLACE WITH NEW CB (SEE BELOW)
VT ROUTE 15																														
2	16+91.5	15+86.2	RT-RT		DI	DI																								RETAIN PIPE. RETAIN STRUCTURE AT 15+86.2 RT, ADJUST ELEVATION.
3	15+84.1		LT		DI	DI																								RETAIN STRUCTURE AT 15+84.1 LT, ADJUST ELEVATION.
4	16+91.6	16+91.5	LT-RT		DI	DI													E											RETAIN PIPE. REHAB STRUCTURE AT 16+91.6 LT.
5	19+21.4	16+91.5	RT-RT		DI	DI													D											RETAIN PIPE. REHAB STRUCTURE AT 16+91.5 RT.
6	19+21.2	19+21.4	LT-RT		DI	DI													E											RETAIN PIPE. REHAB STRUCTURE AT 19+21.2 LT.
7	20+42.7	19+21.4	RT-RT		DI	DI													D											RETAIN PIPE. REHAB STRUCTURE AT 19+21.4 RT.
8	20+67.2	20+42.7	LT-RT		DI	DI																								RETAIN PIPE. RETAIN STRUCTURES AT 20+42.7 RT, ADJUST ELEVATION.
SLIP RAMP																														
9	81+87.3	81+40.9	RT-RT		DI	DI																								REMOVE PIPE AND BOTH STRUCTURES. (PIPE REMOVAL LENGTH = 37 FT.)
10	81+40.9	VT 15 16+91.5	RT-RT		DI	DI																								REMOVE PIPE AND STRUCTURE @ 81+40.9 RT. (PIPE REMOVAL LENGTH = 53 FT.)
PROPOSED DRAINAGE																														
RAMP "B"																														
1	55+06.58	55+06.58	LT		CB	PIPE	18	4				0.064		1					B			15.7	5.6					1		4' DIA. PRECAST REINFORCED CONCRETE CATCHBASIN (1 GRATE). STONE FILL, TYPE I PAD @ DITCH. SHORT PIPE SEGMENT TO CONNECT TO EXISTING. SEE DRAINAGE DETAIL SHEET.
SLIP RAMP																														
2	81+87.3	81+40.9	RT-RT		CB	CB	18	36	III		X			1					D			15.4	7.7							4' DIAMETER PRECAST REINFORCED CONCRETE CATCHBASIN (1 GRATE). SEE DRAINAGE DETAIL SHEET
3	81+40.9	VT 15 16+91.5	RT-RT		CB	DI	18	54	III		X			1					D			31.1	7.8							4' DIAMETER PRECAST REINFORCED CONCRETE CATCHBASIN (1 GRATE). SEE DRAINAGE DETAIL SHEET
TOTALS						18 18 18	90 90 4	RCP CLASS III CPEP(SL) PCCSP (0.064)						3					D=4 B=1 E=2			62.2	21.1					1		

CURB					
BEGIN STATION	END STATION	POSITION LEFT FT	POSITION RIGHT FT	END TREATMENT LEFT FT	END TREATMENT RIGHT FT
TOTAL OF EXISTING CURB WITHIN THE PROJECT = 1067 FT.					
TOTAL OF CURBING REQUIRED FOR THE PROJECT = 841 FT.					
TOTAL OF REMOVING AND RESETTING CURB = 396 FT.					
TOTAL OF NEW VERTICAL GRANITE CURB NEEDED = 445 FT.					
TOTAL OF REMOVAL OF EXISTING CURB = 671 FT.					
DONE BY OTHERS IN 2009					
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
3 57+59.7	55+00.0	RT-RT	U	8	260	113.6			1	1
4 80+60.2	57+59.7	RT-RT	U	8	111	51.7			1	1
5 81+40.9	80+60.2	RT-RT	U	8	66	32.6				1
6 56+75.0	55+06.3	LT-LT	U	8	166	82.7			1	1
7 58+59.0	56+75.0	LT-LT	U	8	184	88.5			1	1
8 59+00.0	58+59.0	LT-LT	U	8	42	17.8			1	1
9 59+46.7	58+59.3	LT-LT	U	8	46	17.5			1	1
TOTAL 8 INCH UNDERDRAIN PIPE					875	404.4			6	7
56+83	LATERAL	LT-RT	U	8	22					
57+22	LATERAL	LT-RT	U	8	22					
57+95	LATERAL	LT-RT	U	8	22					
1 55+00.0	53+07.4	RT-RT	C	8	194	71			1	1
2 53+07.4	53+00.0	RT-RT	C	8	18	2.7			1	2
TOTAL 8 INCH UNDERDRAIN CARRIER PIPE					212	73.7			2	3
TOTALS						478.1			8	10

PROJECT NAME: **WINOOSKI**
PROJECT NUMBER: **NH 089-3(65)**

FILE NAME: **z94a198ITEMDET.XLS**
PROJECT LEADER: **KEN UPMAL**
DESIGNED BY: **A. ACHARYA**
ITEM DETAIL AND DRAINAGE SHEET

PLOT DATE: **2/19/2010**
DRAWN BY: **A. ACHARYA**
CHECKED BY: **E. ATKINS**
SHEET **10** OF **67**