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	"C"	DEPTH DI	CONC CLASS B	REINF STEEL	DI GRATE	CHAN ELEV	CRM	TRENCH EXCAVATION		GRAN BKFILL STRUCT	EROS MATT	STONE FILL		MARKER POSTS		DRAINAGE FLAG	REMARKS
				INLET	OUTLET	D	L	PCCSP	CAAP	CPEP	RCP											EARTH	ROCK					LT	RT		
			NO. DEG.			IN	FT	TH	TH	SL	CL	NO. DEG.	EA	EA		FT	CY	LBS	TYPE	EA	CY	CY	CY	CY	SY	CY	TYPE	EA	EA		
I-91 DRAINAGE																															
1902+87	2903+13	LT.-LT.				18																								6	RETAIN EXIST. PIPE & DROP INLETS
2903+13	2903+13	RT.-LT.				18																								7	RETAIN EXIST. PIPE & DROP INLETS
2903+13	2906+58	LT.-LT.				24																								8	RETAIN EXIST. PIPE & DROP INLETS
2906+58	2906+58	RT.-LT.				18																								9	RETAIN EXIST. PIPE & DROP INLETS
1906+42	2906+58	LT.-LT.				18																								10	RETAIN EXIST. PIPE & DROP INLETS.
2906+58	2910+03	LT.-LT.				30																								11	RETAIN EXIST. PIPE & DROP INLETS. COVER INLET GRATE DURING STAGE 1 CONSTR.
2910+03	2909+71	LT.-RT.				30																								12	RETAIN EXIST. PIPE & DROP INLETS. COVER INLET GRATE DURING STAGE 1 CONSTR.
2912+50	2912+51	LT.-RT.				18																								13	RETAIN EXIST. PIPE & DROP INLETS. COVER INLET GRATE DURING STAGE 2 CONSTR.
2912+51	2912+51	RT.-RT.				18																								14	RETAIN EXIST. PIPE & DROP INLETS
2915+00	2915+00	LT.-RT.				18																								15	RETAIN EXIST. PIPE & DROP INLETS
2915+00	2915+00	RT.-RT.				18																								16	RETAIN EXIST. PIPE & DROP INLETS
1917+60	2918+22	RT.-LT.		PRCDI	MH	18	62				III				X				A											5	6'X4' DOUBLE GRATE DI.
																															INLET RIM ELEV. = 474.10
																															INLET INVERT ELEV. = 471.70 / OUTLET INVERT ELEV. = 471.30
																														6	DOGHOUSE MH BUILT OVER EXISTING DRAINAGE PIPE.
																															RIM ELEV. = 476.50 / OUTLET INVERT ELEV. = 471.20
1918+22	1918+22	LT.-LT.				18																								17	RETAIN EXIST. PIPE & DROP INLETS
2918+22	2918+22	LT.-RT.				24																								18	REMOVE EXIST. DI & PIPE UPSTREAM OF NEW DOGHOUSE MH DURING STAGE 2 CONS
2918+22	2918+22	RT.-RT.				24																								19	RETAIN EXIST. PIPE & DROP INLETS
1920+15	1920+15	LT.-LT.		PRCDI	ES	18	15				III		1		X				E								3.5			1	TYPE 1 STONE PAD @ OUTLET
																															INLET RIM ELEV. = 479.97
																															INLET INVERT ELEV. = 474.75 / OUTLET INVERT ELEV. = 474.00
2920+40	2920+40	RT.-RT.		PRCDI	ES	18	15				III		1		X				E								3.5			2	TYPE 1 STONE PAD @ OUTLET
																															INLET RIM ELEV. = 479.52
																															INLET INVERT ELEV. = 475.00 / OUTLET INVERT ELEV. = 474.25
1920+40	1920+40	LT.-LT.				18																								20	REMOVE EXISTING PIPE AND DROP INLET
2920+61	2920+62	RT.-RT.				18																								21	REMOVE EXISTING PIPE AND DROP INLET DURING STAGE 2 CONSTR.
2927+94	2927+94	LT.-RT.		PRCDI	ES	18	72				III		1		X				A								3.5			3	TYPE 1 STONE PAD @ OUTLET
																															INLET RIM ELEV. = 487.25
																															INLET INVERT ELEV. = 482.75 / OUTLET INVERT ELEV. = 482.00
2927+70	2927+70	LT.-RT.				18																								22	REMOVE EXISTING PIPE AND DROP INLET DURING STAGE 2 CONSTR.
1932+54	1932+53	LT.-RT.				18																								23	RETAIN EXIST. PIPE & DROP INLETS
1932+53	2932+47	RT.-LT.				18																								24	RETAIN EXIST. PIPE & DROP INLETS. COVER INLET GRATE DURING STAGE 2 CONSTR.
2932+47	2932+46	LT.-RT.				18																								25	RETAIN EXIST. PIPE & DROP INLETS.
1935+59	2935+42	LT.-LT.				24																								26	RETAIN EXIST. PIPE & DROP INLETS
2935+42	2935+42	LT.-RT.				24																								27	RETAIN EXIST. PIPE & DROP INLETS. COVER INLET GRATE DURING STAGE 1 CONSTR.
1939+41	2939+42	LT.-LT.				24																								28	RETAIN EXIST. PIPE & DROP INLETS
2939+42	2939+44	LT.-RT.				30																								29	RETAIN EXIST. PIPE & DROP INLETS
2943+17	2939+42	LT.-LT.				24																								30	RETAIN EXIST. PIPE & DROP INLETS
1943+34	2943+17	LT.-LT.				18																								31	RETAIN EXIST. PIPE & DROP INLETS
2943+17	2943+17	RT.-LT.				18																								32	RETAIN EXIST. PIPE & DROP INLETS
1946+09	2945+92	LT.-LT.				24																								33	RETAIN EXIST. PIPE & DROP INLETS
2945+92	2946+17	LT.-RT.				24																								34	RETAIN EXIST. PIPE & DROP INLETS
1949+55	2949+46	LT.-LT.				36																								35	RETAIN EXIST. PIPE & DROP INLETS
2949+46	2949+46	LT.-RT.				36																								36	RETAIN EXIST. PIPE & DROP INLETS
2951+99	2952+00	LT.-RT.				18																								37	RETAIN EXIST. PIPE & DROP INLETS
VT RTE. 44																															
104+43	104+30	LT.-RT.		ES	ES	12							1																	38	RETAIN EXIST. PIPE & DROP INLETS.
104+32	104+41	RT.-RT.		PRCM	ES	12	22				III																1.5			4	TYPE 1 STONE PAD @ OUTLET. CONSTRUCT DOGHOUSE MANHOLE OVER EXISTING PIPE AND REMOVED EXISTING DOWNSTREAM MH RIM ELEV. = 404.50 MH INVERT ELEV. = 398.10 OUTLET INVERT ELEV. = 397.70
TOTALS						12 18	22 164						4		4												12.0					

FOR FINAL DRAINAGE: SEE 20 SCALE LAYOUT SHEETS 11-23

NOTE: FINAL LOCATION AND ELEVATION OF DRAINAGE ITEMS MAY BE ADJUSTED IN THE FIELD AS DEEMED NECESSARY BY THE RESIDENT ENGINEER.

ITEM NUMBER	ITEMS
204.20	TRENCH EXCAVATION OF EARTH
601.0815	18" RCP CLASS III
601.0817	18" RCP CLASS V
601.6815	18" RCPES CLASS III
604.18	PRECAST REINFORCED CONCRETE DROP INLET WITH CAST IRON GRATE
604.21	PRECAST REINFORCED CONCRETE MANHOLE WITH CAST IRON COVER
604.412	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I
613.10	STONE FILL, TYPE I

GUARDRAIL

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

UNDERDRAIN

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

PROJECT NAME: **WINDSOR**
PROJECT NUMBER: **IM 091-1(64)**

FILE NAME: **z10a188DI.dgn**
PROJECT LEADER: **J. WILSON**
DESIGNED BY: **P. CROWLEY**
ITEM DETAIL AND DRAINAGE SHEET

PLOT DATE: **4/25/2013**
DRAWN BY: **S. GUNN**
CHECKED BY: **T. MORIN**
SHEET **43** OF **156**