STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

VAOT Metric

DRAINAGE STRUCTURES

DRAINAGE NUMBER (DR#)	STATION km + m	STATION km + m	POS.	ASKEW	INLET/OUTLET TYPE		DITCH		BOX CULVERT			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	PSCCI	DEPTH DI	CONC CL B	REINF STEEL	DI GRATE	CHAN ELEV	STRUCT EXC	COMMON EXCAVATION		TRENCH EXCAVATION		GEOT FABR	GRAN BKFILL STRUCT	GRAN BORR	EROS MATT	STONE FILL		MARKER POSTS		REMARKS
					INLET	OUTLET	IN	OUT	SPAN mm	RISE mm	L m	D mm	L m	PCCSP mm	CAAP mm	RCP CL	CPEP mm	CPEP SL mm	PCCSP PI mm	NO. DEG	EA	EA		m	m^3	kg	TYPE	EA	m^3	EARTH m^3	ROCK m^3	EARTH m^3	ROCK m^3	m^2	m^3	m^3	m^2	m^3	TYPE	LT ea	RT ea	
57	13+864.8	13+864.8	RT		-	-						1800	2	2.8											8					4											CONSTRUCT A PERFORATED RISER PIPE WITH CONCRETE BASE AND CONE OF MODIFIED BACKFILL MATERIAL.
58	13+864.8	13+864.8	RT		-	-						2550	1	2.8																											CONSTRUCT ANTI-VORTEX DEVICE WITH STEEL TOP PLATE AND ATTACH TO RISER PIPE. PAYMENT FOR PIPE TO BE MADE UNDER ITEM 601.0542 (MOD.)
59	13+864.8	13+900.0	RT		RISER	HW						1350	38	2.1											7.3	II			135	4					209					1	CONSTRUCT A 1350 mm OUTLET PIPE WITH A RCHW.
60	14+010.0	14+010.0	LT		-	-						600	2	1.7											1					1											CONSTRUCT A PERFORATED RISER PIPE WITH CONCRETE BASE AND CONE OF MODIFIED BACKFILL MATERIAL.
61	14+010.0	14+010.0	LT		-	-						900	1	2.1																											CONSTRUCT ANTI-VORTEX DEVICE WITH STEEL TOP PLATE AND ATTACH TO RISER PIPE.
62	14+010.0	14+036.3	LT		RISER	ES						450	27	1.7								1										33.5				97.8				1		CONSTRUCT A 450 mm OUTLET PIPE WITH END SECTION.
63	14+856.6	14+856.6	RT		-	-						750	2	2.1											1.4					2											CONSTRUCT A PERFORATED RISER PIPE WITH CONCRETE BASE AND CONE OF MODIFIED BACKFILL MATERIAL.
64	14+856.6	14+856.6	RT		-	-						1350	1	2.1																											CONSTRUCT ANTI-VORTEX DEVICE WITH STEEL TOP PLATE AND ATTACH TO RISER PIPE.
65	14+856.6	14+863.4	RT		RISER	ES						450	20	1.7								1										34.2				72.5					1	CONSTRUCT A 450 mm OUTLET PIPE WITH END SECTION.
SUBTOTAL THIS SHEET												450		47								2			17.7	II			135	II		67.7				379.3				1	2	
												600		2																											
												750		2																											
												900		1																											
												1350		39																											
												1800		2																											
												2550		1																											
SUBTOTAL SHEET DT-1																														11383	4433			31305			3209	I			
																																					9206	II			
																																					832	IV			
SUBTOTAL SHEET DT-2												300		117	117		117			14	7				45.42	2180	17			11		331.2	396.8	34		1129.2		1.2	I	8	11	
												450		530	530	14	530	514		2	1																9.6	II			
												600		147	147		147	130		2	1																			
												900			54	54			54		1																			
SUBTOTAL SHEET DT-3												300		137	137		137			16	8				45.02	2169	16			23		84.2				1618.2		3.4	I	6	10	
												450		171	171	66	171	66		6	3																12.0	II			
												900		39	39	39	39	39	39		2																			
												1200		66		66			66		2																			
TOTALS												300		254	254		254			30	15				108.14	4360	33		135	11428	4433	483.1	396.8	31339		3126.7		3213.6	I	15	23	
												450		748	701	80	701	580		8	6																9227.6	II			AS-BUILTS NOTE: ADD DRAINAGE NUMBERS
												600		149	147		147	130		2	1																832	IV			RMT 2/3/06
												750		2																											
												900		40	93	93	39	39	93		3																			
												1200		66		66			66		2																			
												1350		39																											
												1800		2																											
												2550		1																											

PROJECT NAME : BENNINGTON - HOOSICK

PROJECT NO. : D.P.I. 0146(1) C/3

DESIGN FILE NAME: /5116/VAOT/DRADET2.DGN
IPARM FILE NAME: N/A
SURVEYED BY: N/A
SQUAD LEADER: T.P.K.
DWG. NO. DT-4

PLOT DATE: 11/01
SURVEY DATE:
DRAWN BY: E.C.D.
SHEET: 18 OF 473

FILE NAME =u:\5116\VAOT\CONTRACT3\dradet2.dgn
DATE/TIME =10/11/2001
USER =664