STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

VAOT Metric

DRAINAGE STRUCTURES

DRAINAGE NUMBERS (DR #)	STATION km + m	STATION km + m	POS.	ASKEW	INLET/OUTLET TYPE		DITCH		BOX CULVERT			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	PRCDI	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	
39	14+010.0	14+010.0	RT/LT		RCDI	RCDI						450	14	1.7	1.6	III	X	X						1.95	2.69	131	E									50.7						CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.
40	14+010.0	14+010.0	LT		RCDI	HW						450	45	1.7	1.6		X			2/22.5°				2.23	4.32	151	E			5						163.0		5.1	II	1		CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 450 mm DOWNSPOUT WITH A RCHW AND STONE PAD @ OUTLET.
41	14+120.0	14+120.0	RT/LT		RCDI	RCDI						450	14	1.7	1.6	III	X	X						1.95	2.69	131	E			1						50.7						CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO A RCDI.
42	14+120.0	14+120.0	LT		RCDI	ES						450	28	1.7	1.6		X			2/22.5°	1			2.23	3.02	145	E			5						101.4		0.5	1	1		CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 450 mm DOWNSPOUT WITH STONE PAD @ OUTLET.
43	14+262.6	14+262.6	LT		RCDI	ES						300	13	1.7	1.6		X			2/22.5°	1			1.80	2.53	128	E									31.6		0.2	1	1		CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 300 mm DOWNSPOUT WITH A STONE PAD @ OUTLET.
44	14+282.2	14+282.2	RT		RCDI	ES						300	12	1.7	1.6		X			2/22.5°	1			1.80	2.53	128	E			1						29.2		0.2	1		1	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 300 mm DOWNSPOUT WITH A STONE PAD @ OUTLET.
45	14+698.0	14+698.0	RT		RCDI	ES						300	14	1.7	1.6		X			2/22.5°	1			1.80	2.53	128	E			1						34.0					1	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 300 mm DOWNSPOUT
46	14+800.0	14+800.0	RT		RCDI	ES						300	20	1.7	1.6		X			2/22.5°	1			1.80	2.53	128	E									48.6					1	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 300 mm DOWNSPOUT.
47	14+920.0	14+920.0	RT		RCDI	ES						300	27	1.7	1.6		X			2/22.5°	1			1.80	2.53	128	E			1						65.6		0.2	1		1	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 300 mm DOWNSPOUT WITH A STONE PAD @ OUTLET.
48	15+030.0	15+030.0	RT		RCDI	ES						300	26	1.7	1.6		X			2/22.5°	1			1.80	2.53	128	E									63.2		0.2	1		1	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 300 mm DOWNSPOUT WITH A STONE PAD @ OUTLET.
49	15+440.0	15+440.0	RT		RCDI	ES						300	10	1.7	1.6		X			2/22.5°	1			1.80	2.53	128	E									24.3					1	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 300 mm DOWNSPOUT.
50	15+487.0	15+487.0	RT/LT	128°	ES	ES						1200	66	2.8		III			2.8		2								7		49.7				470.4		6.9	II	1	1	CONSTRUCT A 120 mm - 66 m CROSS CULVERT WITH A STONE PAD @ OUTLET.
51	16+070.0	16+070.0	RT/LT	72°	ES	ES						900	39	2.1	1.6	III	X	X	1.7		2								2		34.5				195.5		1.9	1	1	1	CONSTRUCT A 900 mm - 39 m CROSS CULVERT WITH A STONE PAD @ OUTLET.
52	16+440.0	16+440.0	LT		RCDI	ES						300	15	1.7	1.6		X			2/22.5°	1			1.80	2.53	128	E									36.5		0.2	1	1		CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 300 mm DOWNSPOUT WITH A STONE PAD @ OUTLET.
53	16+540.0	16+540.0	LT/RT		RCDI	RCDI						450	19	1.7	1.6	III	X	X						1.95	2.69	131	E									68.8						CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO A RCDI.
54	16+540.0	16+540.0	RT		RCDI	ES						450	10	1.7	1.6		X				1			2.70	3.50	170	E									36.2					1	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 450 mm DOWNSPOUT.
55	16+640.0	16+640.0	LT/RT		RCDI	RCDI						450	19	1.7	1.6	III	X	X						1.95	2.69	131	E									68.8						CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.
56	16+640.0	16+640.0	RT		RCDI	ES						450	22	1.7	1.6		X			2/22.5	1			2.36	3.18	155	E									79.7					1	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME & GRATE. INSTALL A 450 mm DOWNSPOUT.
																																									AS-BUILT NOTE: ADD DRAINAGE NUMBERS RMT 2/3/06
	SUBTOTAL											300		137	137		137			16	8				45.02	2169	16			23		84.2				1618.2		3.4	1	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																					

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-3

PLOT DATE: 11/01
SURVEY DATE: N/A
DRAWN BY: E.C.D.
SHEET: 17 OF 473

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