STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

VAOT Metric

DRAINAGE STRUCTURES

STATION km + m	STATION km + m	POS.	ASKEW	INLET/OUTLET TYPE		D.I. REHAB CLASS		CLEANING CULVERT	PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	PRCCDI	DEPTH DI	CONC CL B	REINF STEEL	DI GRATE	CHAN ELEV	TRENCH EXCAVATION		COMMON EXCAVATION		CHANNEL EXCAVATION		GEOT FABR	GRAN BKFILL STRUCT	GRAN BORR	EROS MATT	STONE FILL		MARKER POSTS		REMARKS
				INLET	OUTLET	I	II	L	D	L	PCCSP	CAAP	RCP	CPEP	CPEP SL	PCCSP PI										EARTH	ROCK	EARTH	ROCK	EARTH	ROCK							LT	RT	
						ea	ea	m	mm	m	mm	mm	CL	mm	mm	mm	NO. DEG	ea	ea		m	m^3	kg	TYPE	ea	m^3	m^3	m^3	m^3	m^3	m^3	m^2	m^3	m^3	m^2	m^3	TYPE	ea	ea	
AB10+046.0	AB10+051.0	LT		RCDI	RCDI				450	15	1.7	1.6	III	450	450						2.20	2.8	151	D		46							50.7						CONSTRUCT A RCDI WITH A COVER AND A TYPE "D" FRAME & GRATE.
																																						INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.
AB10+051.0	AB10+055.0	LT		RCDI	ES				450	12	1.7	1.6	III	450	450			1			2.20	2.8	137	D		17		1					43.5		0.5	1	1		CONSTRUCT A RCDI WITH A COVER AND A TYPE "D" FRAME & GRATE.
																																						INSTALL A 450 mm PIPE WITH A STONE PAD AT OUTLET.
AB10+087.620		RT		RCDI	ES				450	15	1.7	1.6	III	450	450			1			1.95	2.5	129	E		67		1					54.3		0.5	1		1	CONSTRUCT A RCDI WITH A COVER AND A TYPE "E" FRAME & GRATE.
																																						INSTALL A 450 mm PIPE WITH A STONE PAD AT OUTLET.
AB10+093.7	AB10+093.7	LT		RCDI	ES				300	8	1.7	1.6	III	300	300			1			1.80	2.3	118	E		5		1					19.4		0.2	1	1		CONSTRUCT A RCDI WITH A COVER AND A TYPE "E" FRAME & GRATE.
																																						INSTALL A 300 mm PIPE WITH A STONE PAD AT OUTLET.
AB10+126.0	AB10+126.0	RT		RCDI	RCDI				450	6	1.7	1.6	III	450	450						1.80	2.3	125	E		32							21.7						CONSTRUCT A RCDI WITH A COVER AND A TYPE "E" FRAME & GRATE.
																																						INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.
AB10+126.0	AB10+126.0	RT		RCDI	ES				450	11	1.7	1.6	III	450	450			1			2.80	3.4	170	E		108		1					68.8		0.5	1		1	CONSTRUCT A RCDI WITH A COVER AND A TYPE "E" FRAME & GRATE.
																																						INSTALL A 450 mm PIPE WITH A STONE PAD AT OUTLET.
AB10+196.4	A10+003.0	LT/RT		RCDI	ES				450	15	1.7	1.6	III	450	450			1			1.95	2.5	130	E		25							50.7		0.5	1		1	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE "E" FRAME
																																						& GRATE. INSTALL A 450 mm PIPE WITH A STONE PAD AT OUTLET.
B10+074.1	B10+086.7	LT/RT		RCDI	ES		1	31.6																														PAYMENT FOR CLEANING CULVERT UNDER ITEM 601.995.
B10+074.4	B10+074.4	RT		RCDI	ES	1		9.8																														PAYMENT FOR CLEANING CULVERT UNDER ITEM 601.995.
C10+130.0	C10+130.0	RT		RCDI	ES				300	8	1.7	1.6		300			2/22.5°	1			1.80	2.3	121	E				1					19.4		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 AT OUTLET.
C10+228.0	C10+228.0	RT		RCDI	ES				300	8	1.7	1.6		300			2/22.5°	1			1.80	2.3	121	E				1					19.4		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 AT OUTLET.
D10+217.0	D10+217.0	RT		RCDI	ES				300	14	1.7	1.6		300			2/22.5°	1			1.80	2.3	121	E				1					34.0		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 AT OUTLET.
D10+222.8	D10+222.8	RT		RCDI	ES	1		14.1																														PAYMENT FOR CLEANING CULVERT UNDER ITEM 601.995.
CD10+019.2	CD10+021.9	LT		(RCDI)	(RCDI)																				21	2.3						21						REMOVE EXISTING 600 mm x 600 mm DI & 450 mm RCP.
CD10+019.2	CD10+077.0	LT		RCDI	ES				450	61	1.7	1.6	III	450	450			1						E		40		1					221.0		0.5	1	1		CONSTRUCT A 450 mm - 61m PIPE FROM EXISTING RCDI. INSTALL TYPE "E"
																																						FRAME & GRATE ONTO EXISTING RCDI.
CD10+021.9	CD10+021.9	LT		RCDI	RCDI		1																															
CD10+021.9	CD10+043.0	LT		(RCDI)	(ES)																				48													REMOVE EXISTING 450 mm RCP WITH END SECTION AT OUTLET.
CD10+043.0	CD10+065.0	LT		RCDI	RCDI				450	22	1.7	1.6	III	450	450						1.95	2.5	128	D		16		1					94.2						CONSTRUCT A RCDI WITH A COVER AND A TYPE "D" FRAME & GRATE.
																																						INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.
CD10+065.0	CD10+087.6	LT		RCDI	RCDI				450	23	1.7	1.6	III	450	450						1.95	2.5	129	E		17							83.3						CONSTRUCT A RCDI WITH A COVER AND A TYPE "E" FRAME & GRATE.
																																						INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.
SUBTOTAL						2	2	55.5/0.0	300		38	38	8	38	8		6	4			30.5	1580	3(D)		442	2.3	9					801.4		3.3	1	3	6	
									450		180	180	180	180	180			5					10(E)														

PROJECT NAME : BENNINGTON - HOOSICK
PROJECT NO. : D.P.I. 0146(1) C/4

DESIGN FILE NAME: /5116/VAOT/DRADET2.DGN
IPARM FILE NAME: N/A
SURVEYED BY: N/A
SQUAD LEADER: T.P.K.
DWG. NO. DT-2
PLOT DATE: 9/00
SURVEY DATE: N/A
DRAWN BY: E.C.D.
SHEET: 18 OF 385

FILE NAME =u:\5116\vaot\contract4\dradet2.dgn
DATE/TIME =08 SEP 2000
USER =1459