VAOT Metric

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

DRAINAGE STRUCTURES

STATION	STATION	POS.	DRAINAGE NOTE	INLET/OUTLET TYPE		DITCH		ELLIPTICAL PIPE			ROUND PIPE		ALLOWABLE OPTIONS						MH	ES	CB	PRCCDI	DI	CONC CL B	REINF STEEL	GRATE	CHAN ELEV	CRM	TRENCH EXCAVATION		COMM EXC	UNC CHAN EXC	STRUCT EXCAV	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	CSP mm	CPEP SL	CPEP	EA	EA	EA		EA	m^3	kg	TYPE	EA	m^3	EARTH m^3	ROCK m^3	m^3	m^3	m^3	m^3	m^3	m^3	m^2	m^3	TYPE	LT ea	RT ea	
SOUTH BURLINGTON TH 3																																								
10+055	10+100	LT	1								150	45.9	(UNDERDRAIN)																41.3												WITH FLUSHING BASIN
10+055	10+100	RT	2								150	45.3	(UNDERDRAIN)																20.4												WITH FLUSHING BASIN
069 10+~~072~~	10+087	LT	3	ES	ES	X	X				375	18.22 ~~15.0~~	1.63	1.52				X		2									15.09 ~~7.6~~										2		DRIVE CULVERT (SEE DRAINAGE NOTE)
10+100	10+100	LT	4	ES	DI	X					450	4.9 ~~5.3~~	1.63	1.52				X		1									8.12 ~~7.7~~										1		(SEE DRAINAGE NOTE)
10+100	10+100	RT-LT	5	DI	DI			575	350	8.56 ~~9.0~~					111							1			E			6.165 ~~8.0~~	4.52			6.27								
10+100	10+168	LT	6	DI	DI						450	67.3 ~~67.4~~	1.63	1.52	V		SL						1			E			12 ~~12.4~~	72.88				72.11							
10+102	10+147	RT	7								150	46.3	(UNDERDRAIN)																24.3												WITH FLUSHING BASIN
10+102	10+168	LT	8								150	66.9	(UNDERDRAIN)																35.6												WITH FLUSHING BASIN
10+168	10+168	RT-LT	9	DI	DI						450	8.05 ~~9.0~~	1.63	1.52	V		SL						1			E			10.34 ~~12.9~~												
10+147	10+168	RT	10	DI	DI						450	20.2 ~~20.4~~	1.63	1.52	V		SL						1			E			16.81 ~~22.3~~												
10+178	10+220	LT	11								150	41.3	(UNDERDRAIN)																18.9												WITH FLUSHING BASIN
10+170	10+220	RT	12								150	51.1	(UNDERDRAIN)																27												WITH FLUSHING BASIN
10+145	10+184	RT	12A								375	40																													ABANDON PIPE, ~~FILL W/ FLOWABLE FILL~~
10+186	10+233	RT	12B								375	~~48~~ 9.0					SL						1																		~~ABANDON PIPE, FILL W/ FLOWABLE FILL~~ PIPE MODIFIED
10+168	10+196	LT	13	DI	CB						450	27.2 ~~27.1~~	1.63	1.52	V		SL						1			E			51.03 ~~61.5~~	5.84											
10+196	10+211	LT	14	CB	CB	X					450	13.5 ~~13.4~~	1.63	1.52	V		SL				+		1			A			44.7 ~~38.3~~	0 ~~8~~									1		
10+211	10+272	LT	15	CB	MH						450	59.0	1.63	1.52	V		SL				1					D			137.2	40											
10+193	10+220	LT	16	DI	DI						450	25.3 ~~25.7~~	1.63	1.52	V		SL						1			E			41.72 ~~32.9~~												
SHEET SUBTOTAL											150	296.8	(UNDERDRAIN)																619.9	48									4		6 FLUSHING BASINS
											375	15.0	1.63	1.52				X		2																			
											450	222.0	1.63	1.52	V		SL				2		5																	
								575	350	9.0					111								1																	
											450	5.3	1.63	1.52				X		1																					

NOTE:

1. ALL PRECAST REINFORCED CONCRETE DROP INLETS, CATCH BASINS, AND MANHOLES SHALL HAVE AN INSIDE DIAMETER OF 1.5 m UNLESS OTHERWISE NOTED.

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)

VHB Vanasse Hangen Brustlin, Inc.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of COLCHESTER-SOUTH BURLINGTON	Bridge No. 6
Highway No. TH 4/3	Log Sta. / Surv. Sta.
TH 4/3 OVER WINOOSKI RIVER & N.E.C.R.	
DRAINAGE DETAIL SHEET (1 OF 4)	
Designed By S.W. BEKIER	Drawn By B.J. MASSE
Checked By S.M. HODGDON Date 4/05	Bridge Design Supervisor S.M. GUNN Date 4/05
PROJECT COLCHESTER-SOUTH BURLINGTON	PROJECT NO. BRM 5600(6)S C/2
I.G.C. Info.	
Bridge Sheet No. ZD139DR1	Sheet 6C of 124

VHB NO. 50735 plot date: 4/25/2005