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 CONTINUED																																								
10+270	10+220	LT	17								150	53.6	(UNDERDRAIN)																24.1												WITH FLUSHING BASIN
												8.1																13.6												
10+220	10+220	RT-LT	18	DI	DI						450	~~9.0~~	1.63	1.52	V		SL					I			D			~~15~~												
10+270	10+220	RT	19								150	50.2	(UNDERDRAIN)																27.1												WITH FLUSHING BASIN
												35.35																79.42	29.33				26.62							
10+220	10+256.2	LT	20	DI	CB						450	~~35.1~~	1.63	1.52	V		SL					I			D			~~83~~	~~23~~											
10+301	10+272	RT	21								150	29.3	(UNDERDRAIN)																22.3												WITH FLUSHING BASIN
												29.7																24.15												
10+303	10+272	RT	22	DI	CB						450	~~30.1~~	1.63	1.52	V		SL					I			E			~~40~~												
												8.3																4.13												
10+303	10+303	LT-RT	23	DI	DI						450	~~9.0~~	1.63	1.52	V		SL					I			E			~~8.6~~												
												8.46																16.25												
10+272	10+272	RT-LT	24	CB	DI						450	~~8.9~~	1.63	1.52	V		SL				I				E			~~19.2~~												
10+301	10+272	LT	25								150	29.0	(UNDERDRAIN)																26.1												WITH FLUSHING BASIN
												15.1																												
10+256.2	10+272	LT	26	CB	MH						450	~~15.6~~			V		SL				I				D			43.1	77											CONC. ENCASED RCP OR "HEAVY DUTY" CPEP
10+272	10+272	LT	27	DI	MH						450	8.4	1.63	1.52	V		SL					I			E			26.6												
												2.87																0	22.32											
10+272	10+276	LT	28	MH	*						600	~~2.8~~	1.63	1.52	V		SL		I									~~16~~	~~38~~											
10+276	10+296	LT	29	*	DI						600	13.3	1.63	1.52	V		SL											49.4	139											*PC-STORMCEPTOR UNIT (STC2400) OR EQUAL
10+296	10+322	LT	30	DI		X					600	25.6			V							I			A			58.6	145									I		(SEE DRAINAGE NOTE FOR OUTLET TREATMENT)
SHEET SUBTOTAL											150	162.1	(UNDERDRAIN)																459.1	422									I		4 FLUSHING BASINS
											450	100.5	1.63	1.52	V		SL				I		5																
											450	15.6			V		SL				I																			CONC. ENCASED RCP OR "HEAVY DUTY" CPEP
											600	16.1	1.63	1.52	V		SL		I																					
											600	25.6			V							I																			
SOUTH BURLINGTON TH 3 TOTAL											150	458.9	(UNDERDRAIN)																1079	470									5		10 FLUSHING BASINS
											375	15.0	1.63	1.52				X		2																				
											450	322.5	1.63	1.52	V		SL				3		10																		
											450	5.3	1.63	1.52				X		1																				
								575	350	9.0					III							I																			
											450	15.6			V		SL				I																			1 PC-STORMCEPTOR UNIT (STC2400) OR EQUAL
											600	16.1	1.63	1.52	V		SL		I																					
											600	25.6			V							I																			

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)

NOTE:

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

VHB Vanasse Hangen Brustlin, Inc.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of COLCHESTER-SOUTH BURLINGTON	Bridge No. 6
	Log Sta.
Highway No. TH 4/3	Surv. Sta.

TH 4/3 OVER WINOOSKI RIVER & N.E.C.R.

DRAINAGE DETAIL SHEET (2 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. ZD139DR2	Sheet 6D of 124

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