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	I	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^2	m^3	TYPE	LT ea	RT ea	
COLCHESTER TH 3												26.58											1.9	5.59															
10+423	10+423	LT-RT	31	HW	MH	X					450	~~26.4~~	1.63	1.52				X					~~1.3~~	~~6~~				24.9									1		RC HEADWALL AT INLET (SEE DRAINAGE NOTE)
																																		62.43					
10+540	10+416	LT	32																															~~75~~	1			STONE FILL LINED DITCH
																																		18.61					
10+590	10+540	LT	33																															~~20~~	1			STONE FILL LINED DITCH
10+423	10+420	RT	34	MH	ES		X				450	13.9	1.63	1.52				X	1	1								35								76	11		1	(SEE DRAINAGE NOTE)
10+425	10+423	RT	35	*	MH						450	5.2	1.63	1.52				X										1.4												*PC-STORMCEPTOR UNIT (STC1800) OR EQUAL
												1.7																											
10+428	10+425	RT	36	CB	*						450	~~2.1~~	1.63	1.52				X			1					E														
												8.2																											
10+428	10+428	LT-RT	37	CB	CB						450	~~8.4~~	1.63	1.52				X			1					E														
												17.6																											
10+409	10+428	LT	38	DI	CB						450	~~18.1~~	1.63	1.52				X				1				E														
												8.3																											
10+409	10+409	RT-LT	39	DI	DI						450	~~9.0~~	1.63	1.52				X				1				E														
												69.9																											
10+500	10+428	LT	40	CB	CB						450	~~69.6~~	1.63	1.52				X			1					E														
												8.4																											
10+500	10+500	RT-LT	41	DI	CB						450	~~8.7~~	1.63	1.52				X				1				E														
10+474	10+474	LT	42																										0.90										REMOVE EXISTING CB. REMOVE EXISTING PIPE (305mm x 2.4m)
												62.26																											
10+566	10+500	LT	43	DI	CB						450	~~63.3~~	1.63	1.52				X				1				E		30.6												
10+541	10+543	LT	44																										0.90										REMOVE EXISTING CB. REMOVE EXISTING PIPE (305mm x 2.2m)
												8.1																											
10+566	10+566	RT-LT	45	DI	DI						450	~~9.0~~	1.63	1.52	V		SL					1				E		16.3												
												54.36																											
10+620	10+566	LT	46	DI	DI						450	~~54.4~~	1.63	1.52	V		SL					1				E		95												
SHEET SUBTOTAL											450	224.7	1.63	1.52				X	1	1	3		4	1.3	6			203.2									1	1	
											450	63.4	1.63	1.52	V		SL						2															
																																			95	1				
																																			76	11				

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 (3 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. ZD139DR3	Sheet 6E of 124

VHB NO. 50735

plot date: 4/25/2005