STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET #5

LAYOUT CODE (#)	STATION	STATION	POS.	ASKEW NO. DEG.	INLET/OUTLET TYPE INLET	INLET/OUTLET TYPE OUTLET	DITCH IN	DITCH OUT	PIPE ARCH SPAN IN	PIPE ARCH RISE IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	ALLOWABLE OPTIONS SPECIAL PROVISION (TRENCHLESSS PIPE)	ALLOWABLE OPTIONS CPEP SL	ALLOWABLE OPTIONS PVC	PIPE ELBOW NO. DEG.	ES EA	DMH EA	CB EA	DI EA	PRCCDI	DEPTH DI / DMH FT	SPECIAL PROVISION (FLOWABLE FILL) CY	REINF STEEL LBS	GRATE TYPE	CHAN ELEV EA	CRM CY	TRENCH EXCAVATION EARTH CY	TRENCH EXCAVATION ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUCT EXCAV CY	GRAN BKFILL STRUCT CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	STONE FILL TYPE	MARKER POSTS LT EA	MARKER POSTS RT EA	REMARKS
R42	132+45	132+62	LT																										0 ~~4~~	2.3		SEE DUFRESNE GROUP REPORT 7/19/12									REMOVE 16 LF EXIST 10" VCT. REMOVE EXIST DMH & DI.
																														2.0		SEE DUFRESNE GROUP REPORT 7/31/12									
R43	SL 90+35	132+45	LT																										0 ~~5~~	~~3.7~~ 0											REMOVE 17 LF EXIST 8" VCT.
R44	132+62	133+15	LT																											4.4		SEE DUFRESNE GROUP REPORT 7/30/12									
																													0 ~~12~~	~~3.0~~ 0											REMOVE 49 LF EXIST 10" VCT. REMOVE EXIST DMH & DI.
R45	135+02	135+00	RT-LT																											2.0		SEE DUFRESNE GROUP REPORT 8/1/12									
																													0 ~~8~~	~~1.1~~ 0											REMOVE 34 LF EXIST 8" VCT. REMOVE EXIST DMH & DI.
R46	134+94	135+00	LT																											2.5		SEE DUFRESNE GROUP REPORT 8/7/12									
																													0 ~~3~~												REMOVE 5 LF EXIST 8" VCT. REMOVE EXIST DI.
R47	SL 200+38	135+00	LT																											7.4		SEE DUFRESNE GROUP REPORT 8/15/12									
																													0 ~~7~~	~~5.1~~ 0											REMOVE 18 LF EXIST 8" VCT.
R48	135+00	135+19	LT																										0 ~~3~~												REMOVE 16 LF EXIST 10" RCP. REMOVE EXIST DMH.
																														2.5I		SEE DUFRESNE GROUP REPORT 7/26/12									
R49	135+19	137+12	LT																										0 ~~77~~												REMOVE 189 LF EXIST 10" RCP.
																														3.64		SEE DUFRESNE GROUP REPORT 7/23/12									
R50	137+12	137+20	LT-RT																										0 ~~40~~	~~6.0~~ 0											REMOVE 42 LF EXIST 24" RCP. NOT REMOVED, PARTIAL REMOVAL DURING SEWER & WATER INSTALLATION, REMAINDER OF PIPE WAS FILLED WITH FLOWABLE FILL.
R51	137+20	138+29	RT																										0 ~~45~~	~~4.1~~ 3.56	SEE DUFRESNE GROUP REPORT 9/19/12 FOR COMPUTATION									REMOVE 111 LF EXIST 12" RCP. REMOVE EXIST DMH.
R52	138+29	SL 600+60	RT																										0 ~~10~~	~~3.3~~ 3.56	SEE DUFRESNE GROUP REPORT 9/19/12 FOR COMPUTATION									REMOVE 51 LF EXIST 12" RCP. REMOVE EXIST DI. PLUG & ABANDON EXIST 8" VCT.
R53	SL 600+56	SL 600+60	LT-RT																						1.1				0 ~~8~~	~~3.0~~ 0											PLUG & ABANDON EXIST 8" VCT. FILL WITH CONCRETE CLASS D. REMOVE EXIST DMH.
																																									SEE NEW DRAINAGE SHEETS FOR REMOVAL OF EXISTING DI.
R54	SL 600+70	SL 600+56	LT																						0.1				0 ~~4~~	~~2.5~~ 0											PLUG & ABANDON EXIST 8" VCT. FILL WITH CONCRETE CLASS D. REMOVE EXIST DI.
																																									SEE NEW DRAINAGE SHEETS FOR REMOVAL OF EXISTING DI.
R55	139+58	SL 600+56	RT-LT																						0.2				0 ~~6~~												PLUG & ABANDON EXIST 8" VCT. FILL WITH CONCRETE CLASS D. REMOVE EXIST DI.
																																									SEE NEW DRAINAGE SHEETS FOR REMOVAL OF EXISTING DI.
R56	SL 700+40	139+58	RT																						1.0																	PLUG & ABANDON EXIST 8" VCT. FILL WITH CONCRETE CLASS D. PLUG & ABANDON EXIST. DMH
																										SEE FLOWABLE FILL SLIPS																SEE FLOWABLE FILL SLIPS.
R57	SL 700+38	SL 700+49	RT																						0.5																	PLUG & ABANDON EXIST 18" PIPE. FILL WITH CONCRETE CLASS D. PLUG & ABANDON EXIST. DMH
																																									SEE FLOWABLE FILL SLIPS.
DRAINAGE DETAIL SHEET #5 SUBTOTAL:																									2.9				~~241~~ 0	~~33.6~~ 33.87											
TOTALS:																				13	12	67			85.4				3773	233.5				1998			4.5 80.5	III I		3	
																											90 15														TYPE D GRATES DRAIN MANHOLE COVERS
									12	33						X																									
									18	2580						X																									
									24	1424						X																									
									30	1119						X																									
									36	387						X																									
									48	48				X																											

PROJECT NAME:	**BARRE CITY**
PROJECT NUMBER	**FEGC F 026-1(34) C/2**
FILE NAME: z85b010dds.xls	PLOT DATE: **3/21/2011**
PROJECT LEADER: G. BAKOS	DRAWN BY: D. PECK
DESIGNED BY: D. PECK	CHECKED BY:
DRAINAGE DETAIL SHEET #5	SHEET **23** OF **339**

VHB Vanasse Hangen Brustlin, Inc.