ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

LAYOUT CODE	STATION	STATION	POSITION	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS							PIPE ELBOW	ES	MH			DI		CB				DEPTH DI/CB	DI/CB GRATE(1)	CHAN ELEV	CRM	TR EXCAV (2)		COMM EXC	UNCH CHAN EXC	STRUC EXCAV	GRAN BKF STRUC	GRAN BORR	EROS MATT	STONE FILL		MRKR POSTS		REMARKS
				IN/OUT	IN	OUT	S	R	L	D	L	PCCSP	CAAP	RCP	CSP	OPT.	CPEP	PCCSP PI	NO-DEG	EA	48"	60"	72"	30"x30"	(MOD.)	48"	60"	72"	96"					EARTH	ROCK										
					IN		IN	IN	FT	IN	FT	TH	TH	CL	TH		SL	TH		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	FT	TYPE	EA	CY	CY	CY	CY	CY	CY	CY	SY	CY	TYPE	LT	RT	
B–1	256+30		21.5' LT																																									EXISTING DI TO REMAIN
B–2	258+70		20' RT																													1												EXISTING DI TO REMAIN – ADJUST TO GRADE
B–3	260+95		20' RT																													1												EXISTING DI TO REMAIN – ADJUST TO GRADE
C–1																																											DID NOT USE
C–2	263+14	262+97	20' RT	CB/DI						18	46					X										1				8.5	E			21												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
C–3	265+47	264+97	65' LT	CB/DI						24	58					X										1				7.5	E			38												24" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
C–4	266+07	265+47	20' LT	CB/CB						24	69					X											1			10.5	E			95												24" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E
C–5	266+07	266+07	3' RT	CB/CB						18	18					X										1				9.5	E			20												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
C–6	266+55	266+07	49' RT	CB/CB						18	67					X										1				8	E			39												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
C–7	262+97	261+48	26' LT	DI/OUT						24	147									1				1						8	A			107								58	I			24" OPTION PIPE, 30" X 30" DI WITH CI GRATE – TYPE A, W/NEW OPTION END SECTION
C–8	264+97	262+97	28' LT	DI/DI						24	198													1						7.5	A			191								58	I			24" OPTION PIPE, 30" X 30" DI WITH CI GRATE – TYPE A
D–1	267+80		29' RT																																									REMOVE EXISTING 15" CMP
D–2	269+76		39' RT																																									REMOVE EXISTING 18" CMP & DROP INLET. PLUG EXISTING 24" CMP EAST AT THE INLET AND ABANDON IN PLACE
D–3	271+15	271+15	70' LT	MES/CB						18	27					X				1										2				12												18" OPTION PIPE, W/NEW OPTION END SECTION
D–4	271+15	24+69	42' LT	CB/CB						18	198					X										1				8.5	E			190												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
D–5	271+15	271+15	3' RT	CB/CB						18	43					X										1				8.5	E			23												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
D–6	268+75	266+07	30' LT	CB/CB						18	266					X										1				10.5	E			169												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
D–7	24+69	268+75	6' LT	CB/CB						18	51					X											1			9.5	E			53												18" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E
D–8	24+69	24+69	24' LT	MES/CB						18	16					X				1										2				6												18" OPTION PIPE, W/NEW OPTION END SECTION
D–9	269+68	269+68	64' RT	CB/OUT																						1				8	E			12												48" DIA. CB WITH CI GRATE – TYPE E, OUTLET TO 24" RCP PIPE
D–10	270+04	269+68	57' RT	CB/CB						18	41					X										1				6.5	E			14												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
E–1	274+15	277+15	47' LT	CB/CB						18	298					X										1				8.5	E			107												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
E–2	274+15	277+15	27' RT	CB/CB						18	298					X										1				8.5	E			176												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
E–3	277+15	277+15	75' LT	DI/CB						18	24					X								1						5	A			22												18" OPTION PIPE, 30" X 30" DI WITH CI GRATE – TYPE A
E–4	277+15	279+84	49' LT	CB/CB						18	267					X										1				10	E			121												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
E–5	277+15	279+84	25' RT	CB/CB						18	267					X										1				8.5	E			105												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
F–1	~~279+84~~ 279+92	~~279+84~~ 279+92	73' LT	MES/CB						18	31					X				1										2				16												18" OPTION PIPE, W/NEW OPTION END SECTION
F–2	~~279+84~~ 279+92	~~279+84~~ 279+92	42' LT	CB/CB						24	73					X											1			9.5	E			53												24" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E
F–3	~~279+84~~ 279+92	280+60	33' RT	CB/OUT						24	214					X				1								1		10	E			191								6	I			24" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E, W/NEW OPTION END SECTION
F–4	282+14		35' LT																																									REMOVE EXISTING STRUCTURE (18" RCP SOUTH & 18" RCP NORTH)
F–5	282+65	285+53	37' LT	CB/CB						18	286					X										1				8.5	E			178												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
F–6	283+75	285+55	37' RT	CB/CB						18	178					X										1				8.5	E			59												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
G–1	285+50	285+53	55' LT	DI/CB						18	13					X								1						8	A			19												18" OPTION PIPE, 30" X 30" DI WITH CI GRATE – TYPE A
G–2	285+55	288+95	37' RT	CB/CB						18	338					X										1				8.5	E			119												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
G–3	285+53	286+56	41.5' LT	CB/CB						18	101					X										1				10	E			56												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
G–4	286+56	289+75	37' LT	CB/CB						18	317					X										1				9.5	E			135												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
G–5																																											DID NOT USE
G–6	289+00		35' LT																																									REMOVE EXISTING 18" CMP
G–7	~~288+95~~ 288+70	~~288+95~~ 288+70	55' RT	DI/CB						18	17					X								1						8	A			23												18" OPTION PIPE, 30" X 30" DI WITH CI GRATE – TYPE A
G–8	289+75	292+65	37' LT	CB/CB						18	288					X										1				9	E			153												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
G–9	~~288+95~~ 288+70	292+65	37' RT	CB/CB						18	368					X										1				10	E			229												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
G–10	285+86	286+28	61' LT	CB/CB						18	41					X										1				5.5	E			5												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
G–11	286+28	286+56	55' LT	CB/CB						18	32					X										1				6	E			6												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
H–1	292+49	~~292+65~~ 292+75	60' LT	DI/CB						24	27					X								1						10	A			47												24" OPTION PIPE, 30" X 30" DI WITH CI GRATE – TYPE A
COLUMN #1: SUB–TOTAL											4723									5				6		22		4				2		2810								122				

RECORD DRAWING REVISIONS

NO.	DATE	DESCRIPTION
1.	7/24/09	FIELD MARK UPS ADDED TO THE PLANS

* = SIDE STREET OR JUGHANDLE OR DRIVE

(1) = GRATES ARE INCIDENTAL TO CATCH BASINS / DROP INLETS.

(2) = TRENCH ITEMS TO BE INCIDENTAL TO CULVERTS, STORM DRAINS, UNDERDRAIN AND STONE OUTLETS. QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY.

PROJECT NAME: U.S. ROUTE 7: SHELBURNE ROAD (F.A.P.)

PROJECT NUMBER: NH–EGC–019–4 (27)

7/20/04

DRAINAGE
ITEM DETAIL DRAWING NO. 1
SHEET 68 OF 537 SHEETS