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			48"	60"	72"	30"x30"	(MOD.)	48"	60"	72"	96"					EARTH	ROCK										
							IN	IN	FT	IN	FT	TH	TH	CL	TH		SL	TH	NO-DEG	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	
L-2	316+11	316+11	37' LT	CB/CB						18	70					X											1		11.0	E			62											
L-3	316+11	316+26	37' RT	CB/OUT						24	39					X				1							1		12.0	E			57								3	I			18" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E, W/NEW OPTION END SECTION
L-4	317+55		37' LT																																									REMOVE EXISTING 18" RCP AND HEADWALLS
L-5	318+75		43' LT																																									REMOVE EXISTING 18" RCP AND HEADWALLS
L-6	318+35	316+11	37' LT	CB/CB						18	222					X										1			8.0	E			99											
L-7	319+31		CL	IN/OUT																																					670	II			SEE BOX CULVERT DRAWING SHEET NO. BC100
L-8	320+35	320+35	37' LT	CB/CB						18	70					X											1		8.0	E			31											18" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E
L-9	320+35	~~320+40~~ 320+00	37' RT	CB/OUT						18	48					X				1							1		8.5	E			40								4	I			18" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E, W/NEW OPTION END SECTION
L-10	320+75	320+35	37' LT	CB/CB						18	38					X										1			8.0	E			19											18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
L-11	320+75	320+35	37' RT	CB/CB						18	38					X										1			8.5	E			21											18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
L-12	~~91+00~~ 318+35	~~91+00~~ 316+11	~~24" LT~~ 37' RT	CB/CB						18	220					X										1			8.0	E			62											18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
L-13	91+00	301+70	16'RT	MH/OUT						30	27					X				1	1								12.0				32								ⓒ	II			30" OPTION PIPE, 48 DIA. MH WITH CI COVER, W/NEW OPTION END SECTION ⓒ = STONE FILL INCLUDED WITH BOX CULVERT (L–
M-1	321+73		27' LT																																									REMOVE EXISTING STRUCTURE. PLUG AND ABANDON 24" RCP WEST
M-2	322+00		44' RT																																									REMOVE EXISTING STRUCTURE AND 24" RCP WEST
M-3	326+06		38' LT																																									REMOVE EXISTING STRUCTURE AND 24" CMP WEST TO ROW, PLUG AT ROW
M-4	*141+53		CL	IN/OUT																																					340	II			SEE BOX CULVERT DRAWING SHEET NO. BC200
M-5	323+67	323+90	41.5' RT	CB/OUT						18	48					X				1							1		9.0	E			43								15	II			18" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E, AND END SECTION
M-6	323+57	~~323+30~~ 322+30	94' RT	MH/MH						30	127												1						7.0	E			151											SEE OUTLET STRUCTURE DETAIL ON SEDIMENTATION POND DRAWING NO. 2
M-7	324+10		36' RT																																									REMOVE EXISTING PIPE
M-8	~~326+06~~ 326+13	324+39	37' LT	CB/CB						18	165					X										1			8.5	E			140											18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
M-9	323+16	322+44	37' LT	CB/OUT						18	82					X				1						1			7.5	E			11								ⓒ	II			18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E, W/NEW OPTION END SECTION ⓒ = STONE FILL INCLUDED WITH BOX CULVERT (M-4
M-10	326+20	324+37	37' RT	CB/CB						30	178					X											1		9.5	E			122											30" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E
M-11	326+23		43' RT																																									REMOVE EXISTING STRUCTURE AND 24" RCP WEST
M-12	324+39	323+16	51' LT	CB/CB						18	121					X											1		8.0	E			33											18" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E, (OVERFLOW PIPE)
M-12	324+39	324+37	51' LT	CB/MH						18	85					X													8.0				26											18" OPTION PIPE
M-13	322+30	319+48	55' RT	MH/MH						30	278					X					1								13.0				582											30" OPTION PIPE, 48" DIA. MH WITH CI COVER
M-14	324+37	324+05	37' RT	MH/OUT						36	56					X				1			1						10.0				14								15	II			36" OPTION PIPE, 72" DIA. MH WITH CI COVER, W/NEW OPTION END SECTION
N-1	327+75		38' RT																																									REMOVE EXISTING 24" RCP AND HEADWALLS
N-2	NA																																										DID NOT USE
N-3	328+55		50' LT																																									REMOVE EXISTING 8" PVC
N-4	328+58	326+06	37' LT	CB/CB						18	250					X										1			8.5	E			79											18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
N-5	329+10	326+20	37' RT	CB/CB						30	288					X											1		10.0	E			187											18" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E
N-6	329+10	329+10	70' RT	DI/CB						24	32					X								1					5.5	A			34											24" OPTION PIPE, 30" X 30" DI WITH CI GRATE – TYPE A
N-7	329+25		38' LT																																									REMOVE EXISTING 18" RCP
N-8	331+00	331+00	70' LT	DI/CB						18	32					X								1					4.5	A			26											18" OPTION PIPE, 30" X 30" DI WITH CI GRATE – TYPE A
N-9	331+00	328+58	37' LT	CB/CB						18	240					X										1			10.0	E			101											18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
N-10	332+61	329+10	37' RT	CB/CB						30	349					X											1		10.5	E			263											30" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E
N-11	332+50		37' LT																																									REMOVE EXISTING 18" CGMP
N-12	332+73	332+61	99' RT	DI/CB						18	63					X								1					7.5	A			62											18" OPTION PIPE, 30" X 30" DI WITH CI GRATE – TYPE A, REMOVE EXISTING STRUCTURE
N-13	333+00		35' LT																																									REMOVE EXISTING 18" RCP AND HEADWALL
N-14	333+00		37' RT																																									REMOVE EXISTING 18" CGMP AND HEADWALLS
O-1	333+50	331+00	37' LT	CB/CB						18	248					X										1			8.5	E			92											18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
O-2	333+50	332+61	41.5' RT	CB/CB						30	87					X											1		10.5	E			78											30" OPTION PIPE, 72" DIA. CB WITH CI GRATE – TYPE E
O-3	335+00		35' LT																																									REMOVE EXISTING 18" RCP AND HEADWALLS
COLUMN #1: SUB–TOTAL											3501									6	2		2	3		9		10				2467								1047				

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. 3
SHEET 70 OF 537 SHEETS