ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

LAYOUT CODE	STATION	STATION	POSITION	TYPE IN/OUT	DITCH IN	DITCH OUT	PIPE ARCH S (IN)	PIPE ARCH R (IN)	PIPE ARCH L (FT)	PIPE D (IN)	PIPE L (FT)	PCCSP (TH)	CAAP (TH)	RCP (CL)	CSP (TH)	OPT.	CPEP (SL)	PCCSP PI (TH)	PIPE ELBOW (NO-DEG)	ES (EA)	MH 48" (EA)	MH 60" (EA)	MH 72" (EA)	DI 30"x30" (EA)	DI (MOD.) (EA)	CB 48" (EA)	CB 60" (EA)	CB 72" (EA)	CB 96" (EA)	DEPTH DI/CB (FT)	DI/CB GRATE(1) (TYPE)	CHAN ELEV (EA)	CRM (CY)	TR EXCAV (2) EARTH (CY)	TR EXCAV (2) ROCK (CY)	COMM EXC (CY)	UNCH CHAN EXC (CY)	STRUC EXCAV (CY)	GRAN BKF STRUC (CY)	GRAN BORR (CY)	EROS MATT (SY)	STONE FILL (CY)	STONE FILL (TYPE)	MRKR POSTS LT	MRKR POSTS RT	REMARKS
U-14	375+00		38' LT																																											REMOVE EXISTING PIPE
U-15	369+35	371+50	37' RT	CB/CB						18	213					X										1				8.5	E			80												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
U-16	372+24	371+50	41' RT	MH/CB						18	73					X					1									8.5	E			34												18" OPTION PIPE, 48" DIA. MH WITH CI COVER
V-1	376+43		34' RT																													1														ADJUST TO GRADE
V-2	379+96		44' RT																																											TO REMAIN
V-3	376+10	376+09	40' LT	CB/OUT						18	34					X										1				9.0	E			30								4	II			18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E, 4' X 5' STRAIGHT HEADWALL AND STONE FILL
V-4	375+25		51' LT																																											REMOVE EXISTING PIPE
V-5	377+50		48.5' LT																													1														ADJUST TO GRADE
V-6	378+57		34.5' RT																																											TO REMAIN
V-7																																														DID NOT USE
V-8																																														DID NOT USE
V-9	377+50		10' LT																													1														ADJUST TO GRADE
V-10	380+82		44' LT																																											TO REMAIN
V-11																																														DID NOT USE
V-12	380+27		30' RT																																											TO REMAIN
AE-1	*131+26	*131+26	13' RT	CB/CB						18	34					X										1				7.5	E			11												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
AE-2	*131+26	131+79	25' LT	CB/OUT						18	46					X				1						1				7.0	E			30								4	II			18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E, W/NEW OPTION END SECTION
AE-3	*133+33		25' LT																																											REMOVE EXISTING STRUCTURE AND PIPE TO SOUTH
AE-4	*133+23		CL																																											REMOVE EXISTING STRUCTURE AND 15" PIPE EAST TO AE-5
AE-5	*133+83		15' RT	CB/OUT						12																1				7.0	E			10												48" DIA. CB WITH CI GRATE – TYPE E. CONNECT TO EXISTING PIPE
AE-6	*133+83	*133+83	15' LT	CB/CB						18	26					X										1				6.5	E			6												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
AF-1	*252+50	*250+66	15' LT	CB/CB						18	182					X										1				8.5	E			12												18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
AF-2	*253+74	*252+50	31' LT	CB/CB						18	118					X										1				8.5	E			65												18" OPTION PIPE, ~~48"~~ 72" DIA. CB WITH CI GRATE – TYPE E. CONNECT TO EXISTING 12" TILE PIPE
AF-3	*253+70		32' LT																																											REMOVE EXISTING STRUCTURE AND PIPE TO WEST
	* 130+84	*131+20	LEFT																																							165	II			STONE FILL AT SEDIMENTATION POND
	*131+20	*131+71	LEFT																																							8	II			STONE FILL AT SEDIMENTATION POND
	*211+00	*212+44	RIGHT																																							39	I			STONE FILL AT DITCH
COLUMN #6: SUB-TOTAL											726									1	1					8						3		278								220				

SUMMARY BY COLUMNS

ITEM DETAIL DWG. NO.	COLUMN NUMBER	DITCH IN	DITCH OUT	PIPE ARCH S	PIPE ARCH R	PIPE ARCH L	PIPE D	PIPE L	PCCSP	CAAP	RCP	CSP	OPT.	CPEP	PCCSP PI	PIPE ELBOW	ES	MH 48"	MH 60"	MH 72"	DI 30"x30"	DI (MOD.)	CB 48"	CB 60"	CB 72"	CB 96"	DEPTH DI/CB	DI/CB GRATE	CHAN ELEV	CRM	TR EXCAV EARTH	TR EXCAV ROCK	COMM EXC	UNCH CHAN EXC	STRUC EXCAV	GRAN BKF STRUC	GRAN BORR	EROS MATT	STONE FILL CY	STONE FILL TYPE	MRKR LT	MRKR RT
1	1							4723									5				6		22		4				2		2810								122			
2	2							4305									5				6		21		2						2149								16			
3	3							3501									6	2		2	3		9		10						2467								1047			
4	4							4011									4				9		14		4						2122								71			
5	5							3391									1				5		18		3				1		2060								2			
6	6							726									1	1					8						3		278								220			
	TOTAL							20657									22	3		2	29		92		23				6		11886								1478			

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. 6