ALL COMPUTATIONS ARE IN THREE RING BINDERS

** INVERT ELEVATIONS ARE FOR PIPE RUNS**

ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

** SEE #600 SERIES THREE RING BINDER FOR QUANTITIES

LAYOUT CODE	STATION	STATION	POSITION	TYPE	DITCH			PIPE				Modified Structures w/composite grade ring							PIPE ELBOW	SUMP	MH			DI		CB				DEPTH	DI/CB	CHAN	CRM	TR EXCAV (2)		INLET	OUTLET	STRUC	Dense Graded	GRAN	EROS	STONE FILL		Date Initilas	REMARKS
				IN/OUT	IN	OUT		6"	12"	18"	24"	MH (EA)			CB (EA)				NO-DEG	EA	48"	60"	72"	30"x30"	(MOD.)	48"	60"	72"	96"	DI/CB	GRATE(1)	ELEV		EARTH	ROCK	ELEV.	ELEV.	EXCAV	Stone	BORR	MATT				
								IN	IN	IN	IN	48"	60"	72"	48"	60"	72"	96"		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	FT	TYPE	EA	CY	CY	CY			CY	CY	CY	SY	CY	TYPE		
AC–17	417+98	417+79	80' RT	CS/DI							19																					11											ALL CONNECTIONS TO EXISTING CONTROL STRUCTURE SHALL BE SUBSIDARY TO PIPE ITEMS.
AC–18	*412+96	*411+65	CL							129																1			7.0				~~36~~ 7.4		162.67	160.57		4.2					06/22/04 RRP	18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
AC–19	422+22		113' RT																																							EXISTING DI TO REMAIN
AD–1	*421+70		18' RT																																							EXISTING CB TO REMAIN
AD–2	423+97		24' RT																																							REMOVE EXISTING STRUCTURE AND 15" PIPE TO WEST ABA–REMOVED 21' 7'LT–14'RT 5–25–05 RRP–REMOVED STRUCTURE
AD–3	424+08		23' LT																																							REMOVE EXISTING STRUCTURE AND 18" PIPE TO SOUTH
AD–4	424+40	421+70	44' LT	CB/CB						268																1			9.5	E			~~124~~ 11.8		165.70	161.27		5.3 4.1					06/23/04 RRP	18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E INV. IN FROM AD–30 = 166.62
AD–5	424+80	421+70	35' RT	CB/CB						~~308~~ 309																1			7.0	E			~~113~~ 5.9		168.90	160.09		2.9					09/28/04 RRP	18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
AD–6	424+83		30' RT																																							REMOVE EXISTING STRUCTURE AND 15" PIPE TO SOUTH
AD–7	426+03		29' LT																																							REMOVE EXISTING STRUCTURE AND 15" PIPE TO EAST
AD–8	426+03		24' LT																																							REMOVE EXISTING STRUCTURE AND 18" PIPE TO SOUTH AND NORTH
AD–9	426+20	424+40	44' LT	CB/CB						~~178~~ 176																1			7.0	E			~~83~~ 6.3	~~1.04~~ 1.5	172.38	165.70		1.0 3.2 1.5					06/14/04 RRP	18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
AD–10	426+20	424+80	30' RT	CB/CB						138																	1			5.5	E			~~31~~ 6.32		173.93	169.19		3.4					09/30/04 RRP	18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E INV. IN FROM AD–24 = 174.20
AD–11	426+49		22' RT																																							REMOVE EXISTING STRUCTURE AND 15" PIPE TO SOUTHWEST
AD–12	427+05		46' LT																																							REMOVE EXISTING STRUCTURE AND PIPE TO EAST
AD–13	427+82		46' LT																																							REMOVE EXISTING STRUCTURE AND 4" PIPE, 30' LONG, TO SOUTHEAST AND PLUG PIPE
AD–14	424+12		27' RT																																							REMOVE EXISTING STRUCTURE
AD–15	428+02	426+20	40' LT	CB/CB						180																1			7.5	E			~~64~~ 6.9		176.19	172.38		3.4					06/16/04 RRP	18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E INV. IN FROM EAST(18") = 176.47
AD–16	428+02	428+02	22' LT	MH/CB						13											1									8.0				~~14~~ 7.8		177.94	176.47		1.3					09/30/04 RRP	18" OPTION PIPE, 48" DIA. MH WITH CI COVER, ADJUST COVER TO GRADE
AD–17	428+02	426+20	32' RT	CB/CB						~~180~~ 179																1			5.5	E			~~20~~ 8.0		177.19	174.28		1.34						18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
AD–18	428+22		32' RT																																							~~REMOVE EXISTING STRUCTURE AND 15" PIPE TO SOUTH~~ STRUCTURE NEVER IN PLACE
AD–19	428+55		32' RT																																							REMOVE EXISTING STRUCTURE AND 15" PIPE TO SOUTH, AND 10' OF 15" PIPE TO NORTH
AD–20	428+71	~~428+22~~ 428+02	33' RT	CB/MH						~~45~~ 51.8																1			5.5	E			~~12~~ 10.7		178.75	177.46		1.3					10/05/04 RRP	18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
AD–21	425+30		76' LT																																							EXISTING DI TO REMAIN
AD–22	423+03		111' RT																											3.5		1	5									CONVERT EXISTING STRUCTURE TO MANHOLE AND ADJUST TO GRADE
AD–23	423+04		120' RT																											9.5		1	14									CONVERT EXISTING STRUCTURE TO MANHOLE AND ADJUST TO GRADE
AD–24	426+54	426+20	46' RT							~~36~~ 35																			6.0				~~35~~ 0		175.29	174.20							10/01/04 RRP	~~18" OPTION PIPE. CONNECT FROM EXISTING MANHOLE TO PROPOSED STRUCTURE AD–10, REMOVE EXISTING 15" PIPE TO WEST~~
AD–25	428+22	428+02	32' RT	MH/CB						~~18~~											~~1~~									6.0				10										18" OPTION PIPE, ~~48" DIA. MH WITH 4' X 4' CI COVER~~ NOT NEEDED
AD–26	428+71		35' RT																																							REMOVE EXISTING STRUCTURE AND 15" PIPE TO SOUTH
AD–27	*421+71		18' LT																																							EXISTING CB TO REMAIN
AD–28	*421+00	*413+96	23' RT	CB/CB						~~100~~ 95																1			7.0	E			~~63~~ 6.03		164.91	162.71		3.0					06/23/04 RRP	18" OPTION PIPE, 48" DIA. CB WITH CI GRATE – TYPE E
AD–29	423+98		23' LT																																							REMOVE EXISTING STRUCTURE AND 18" PIPE TO SOUTH, AND 15" PIPE TO WEST
AD–30	424+00	424+40	61' LT	MH/CB						~~40~~ 48												1								6				~~21~~ 12.1		167.75	166.62							06/29/04 RRP	REMOVE EXISTING STRUCTURE AND REPLACE 48" DIA. MH WITH 4' X 4' CI COVER AND 18" OPTION PIPE
SHEET #4: SUB–TOTALS										1621.8	~~1670~~									3						9					2		~~656~~ 89.25	~~2.54~~				35.94						
SUMMARY BY SHEETS																																										
DRAINAGE AS–BUILTS																																										
SHEET #1								129	2529	~~3097~~ 356										7			4		16	1				2		~~1206~~ 152.63	~~27.20~~				75.35		~~63~~				
SHEET #2								80	2161	~~3138~~ 561										4	1		2		18	1				2		~~1499~~ 169.55	~~1.07~~			~~2098~~	49.42		~~348.5~~				
SHEET #3								0	2619	~~3574~~ 1062										7	2		1		15	3				2		~~1777~~ 221.34	~~1.50~~			~~37~~	92.30		~~15.5~~				
SHEET #4								0	1621.8	~~1670~~ 0											3					9					2		~~656~~ 89.25	~~2.54~~				35.94						
TOTAL								209	8930.8	~~11479~~ 1979										18	6		7		58	5				8		~~5138~~ 632.77	~~32.31~~			~~2135~~	253.51		~~427~~				

NOTES: * = SIDE STREET OR JUGHANDLE OR DRIVE

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

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

* FINAL QUANTITIES SHOWN IN RED

↑ ALL ITEMS IN THIS COLUMN ARE IN THE 200–300 FINALS FOLDER

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

PROJECT NUMBER: NH–EGC–019–4 (28)

DRAINAGE AS–BUILTS
ITEM DETAIL DRAWING NO. 4

SHEET 46 OF 283 SHEETS

C:\6330008 (US Rte 7 Shelburne Rd)\AS-BUILTS\DRAINAGE\DRAINAGE-4_4REV.DWG, 6/28/2006 2:38:22 PM