

DRAINAGE DETAIL SHEET 1

LOCATION																			REMARKS			
BEGIN STA.	END STA.	POS.	DRAINAGE ID#	INVERT IN	INVERT OUT	RIM ELEV.	204.20 TRENCH EXCAVATION OF EARTH CY	204.21 TRENCH EXCAVATION OF ROCK CY	507.11 REINFORCING STEEL, LEVEL I LB	541.25 CONCRETE, CLASS B CY	601.0010 15" CSP .064 (2-2/3X1/2) LF	601.0016 18" CSP .079 (2-2/3X1/2) LF	601.0805 12" RCP CLASS III LF	601.0815 18" RCP CLASS III LF	601.2615 18" CPEP(SL) LF	601.7015 18" CPEPES EA	604.18 PRECAST REINF. CONC. DI WITH CAST IRON GRATE EA	GRATE TYPE		619.17 YIELDING MARKER POSTS EA		
U.S. ROUTE 2																						
S. BURLINGTON																						
134+34		RT	1	329.61			-23-18.56	-2.5-1.05	376 ✓	-2.5-2.05								I ✓	D	I	REMOVE 8' OF EXISTING RCP AND EXISTING HEADWALL. CONNECT NEW 18" RCP TO EXISTING 18" RCP WITH CONCRETE COLLAR. CONSTRUCT NEW HEADWALL. SEE DETAIL ON SHEET 48.	
136+05		RT	2	18" 333.30 6" 333.60	333.05	335.50	-9-6.66	2.71										I ✓	D	I	REMOVE EXISTING CB; CONNECT EXISTING 15" RCP TO NEW DI.	
136+05	138+60	RT	3	18" 340.70	340.40	346.70	125.542H								260250			I ✓	D		NEW DI AT 138+60, RT	
138+60	140+50	RT	4	6" 349.66	347.25	353.24	212225.89											I ✓	D		NEW DI AT 140+50, RT	
149+38		LT	5	15" 314.52	314.43	318.31	+9-9.33	2.27			+0-							I ✓	D		REMOVE EXISTING DI; CONNECT 2 EXISTING 15" CGMP PIPES TO NEW DI.	
149+77		RT	6	12" 314.33	311.68	317.27	+4-9.79	4.47			△ -5-	-5-						I ✓	D	I	REMOVE EXISTING DI; CONNECT EXISTING 12" RCP TO NEW DI; CONNECT EXISTING 18" CMP TO NEW DI.	
WILLISTON																						
20+46	20+47	LT-RT	7	310.25	309.1		-48-29.68	4.82							54 ✓	I ✓					REMOVE EXISTING 18" CGMP. INSTALL NEW 18" CPEP(SL) WITH END SECTION OUTLETTING TO DITCH ON STONE SLOPE. CONNECT NEW 18" CPEP(SL) TO EXISTING DI AT STA. 20+46, LT.	
77+60		LT																				
(TAFT CORNERS SHOPPING CENTER)																						
65+50	(Drive)	LT					6.67								40						△ INLET TO EXISTING OUTLET IS 18" RCP. CONTRACTOR RE-USED 12" RCP WITH A FEMCO TO ALLOW PENETRATE STRUCTURE.	
66+80	(Drive)	LT					4.67								28							
135+45	136+05	LT	1A				18.52	2.71							60							
135+50	136+65	RT					13.00								26							
SHEET SUBTOTALS:							468.31	18.03	376 ✓	-2.5-2.05	10	-5-	-5-	12 ✓	500-	I ✓	-5- 6			3		
ROUNDING:							-	-	-4-	-0.5-	-	-	-	-8-	20-	-	-			-		
TOTALS:							-528- *	-2.5- *	-380-376	-3-2.05	10	-5-	-5-	-20-	520-	I ✓	-5- 6			3 *		
							468.31	18.03						12	642							

* TOTALS ARE CARRIED FORWARD TO THE QUANTITY SHEETS, DETAILED SUMMARY OF QUANTITIES. SEE SHEETS 41-44.

PROJECT NAME: SOUTH BURLINGTON-WILLISTON	
PROJECT NUMBER: NH 2944(I)	
FILE NAME: z11d340frm.dgn	PLOT DATE: 2/15/2017
PROJECT LEADER: G. EDWARDS	DRAWN BY: J. BURKE
DESIGNED BY: J. BURKE	CHECKED BY: J. LITTLE
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