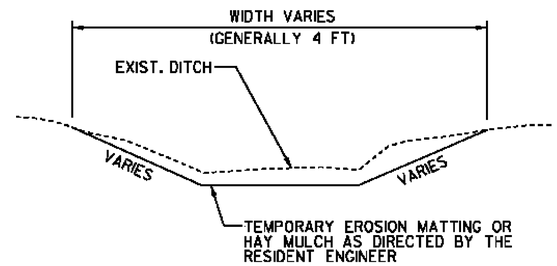
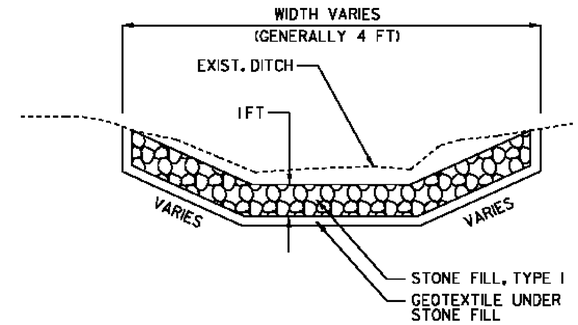
LOCATION				FEET OF DITCHING			MISC. ITEMS					
							613.10	613.11	649.31	651.15	653.20	
SITE	MM	MM	POS.	PERCENT GRADE			STONE FILL, TYP. I	STONE FILL, TYP. II	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	REMARKS
				0-1	1-2.5	2.5-10						
				LF	LF	LF	CY	CY	SY	LBS	SY	
NEWBURY-ST. JOHNSBURY												
NORTHBOUND:												
	112.264	112.892	RT			3316	614.0		2212			SLOPE STABILIZATION (4' WIDE)
	112.944	112.973	LT			153	28.4		103			SLOPE STABILIZATION (4' WIDE)
	116.030	116.417	RT			2043	378.4		1364			SLOPE STABILIZATION (4' WIDE)
	110.677	128.554	LT/LT		1000	200	29.6		135	8	444	
	112.852		RT			34	10.1		40			34' X 8' SWALE
	118.331		RT			18		26.7	59			18' X 20' SLOPE STABILIZATION
	119.810	119.838	RT			150	83.3		287			150' X 15' SLOPE STABILIZATION
	120.786		RT			10	1.5		8			10' X 4' SWALE TO DI
	120.786	120.788	RT			10	1.5		8			10' X 4' SWALE TO DI
	126.264	126.278	LT			75	13.9		60			75' X 5' SLOPE STABILIZATION
	127.486		LT			20	3.7		17			20' X 5' SLOPE STABILIZATION @ DI
	128.268		LT			25	1.9		12			25' X 2' SLOPE STABILIZATION ALONG WING WALL
	128.305	128.307	LT			25	2.8		15			25' X 3' SWALE TO DI
	128.305		LT			19	2.1		12			19' X 3' SLOPE STABILIZATION ALONG WING WALL
ITEM 621.50 MANUFACTURED TERMINAL SECTION, FLARED										26.0	825	
ITEM 621.51 MANUFACTURED TERMINAL SECTION, TANGENT										3.0	75	
ITEM 621.60 ANCHOR FOR STEEL BEAM RAIL										3.0	825	
PROJECT SUBTOTALS							1171.2	26.7	4332	40.0	2169	
ROUNDINGS							8.8	0.3	18	-	31	
PROJECT TOTALS							1180.0	27.0	4350	40	2200	



DITCH DETAIL < 2.5 PERCENT



DITCH DETAIL > 2.5 PERCENT

NOTES

1. GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 651.25, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES OVER 2.5 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE RESIDENT ENGINEER.
2. PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS INDICATED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
3. ITEM 649.51, GEOTEXTILE FOR SILT FENCE SHALL BE INSTALLED IN AREAS OF SLOPE STABILIZATION IN ACCORDANCE WITH THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION OR AS DIRECTED BY THE RESIDENT ENGINEER.

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

SEEDING NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIREDTED BY THE RESIDENT ENGINEER.

TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

DITCH CLEANING SHEET

PROJECT NAME: NEWBURY-ST. JOHNSBURY

PROJECT NUMBER: IM 091-2(78)

FILE NAME: /pave/06a044/pa044
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 06A044_17

PLOT DATE: 8/5/2011
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 17 OF 33