

LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS	LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS
SITE	MILE MARKER	MILE MARKER	POS.	PERCENT GRADE			653.20 TEMP. EROS. MATT.	613.10 STONE FILL TYP. I	649.31 GEOT. UNDER STONE FILL		SITE	MILE MARKER	MILE MARKER	POS.	PERCENT GRADE			653.20 TEMP. EROS. MATT.	613.10 STONE FILL TYP. I	649.31 GEOT. UNDER STONE FILL	
				0-1	1-2.5	2.5-10									0-1	1-2.5	2.5-10				
TOWNSHEND VT 30				LF	LF	LF	SY	CY	SY		LF	LF	LF	SY	CY	SY					
61	5.741	5.784	RT			227		32.6	151.3	6.0%											
62	5.795	5.834	RT			206		30.5	137.3												
63	5.836	5.872	LT	190			84.4														
64	5.840	5.867	RT			143		21.2	95.3												
65	5.872	5.884	RT			63		9.3	42.0												
66	5.892	5.917	RT		132		58.7														
67	5.922	5.936	RT	74			32.9														
68	5.936	5.950	LT		74		32.9														
69	6.066	6.195	LT		681		302.7														
70	6.083	6.230	RT			776		115.0	517.3												
71	6.135	6.288	RT		491		218.2														
72	6.248	6.290	RT			222		32.9	148.0												
73	6.297	6.427	RT			686		101.6	457.3												
74	6.298	6.319	LT	116			51.6														
75	6.301	6.341	RT		211		93.8														
76	6.348	6.477	RT		681		302.7														
77	6.794	6.811	LT		90		40.0														
78	6.881	6.910	RT			153		22.7	102.0												
79	6.917	6.958	RT			216		32.0	144.0												
80	7.021	7.034	RT			69		10.2	46.0												
81	7.056	7.121	LT		343		152.4														
82	7.132	7.141	RT			42		6.2	28.0												
83	7.148	7.292	RT			760		112.6	506.7	SLOPE VARIES											
										ESTIMATED GUARDRAIL MTS DISTURBANCE	2050				82 MTS						
										PREVIOUS SHEET TOTALS	1400.9	1929.7	8682.9				25 SY/ MTS				
										TOWNSHEND THIS SHEET SUBTOTALS	1370.3	527.8	2375.2								
										PROJECT SUBTOTALS	4821.2	2457.5	11058.1								
										ROUNDING	78.8	2.5	1.9								
										PROJECT TOTALS	4900	2460	11060								

**SEEDING FORMULA**

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREeping RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
3	3	ANNUAL RYE GRASS	95	90
		INERTS	--	--
100.0	80 LB/A			

**NOTES**

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

SEED ITEM 651.5: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: 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)

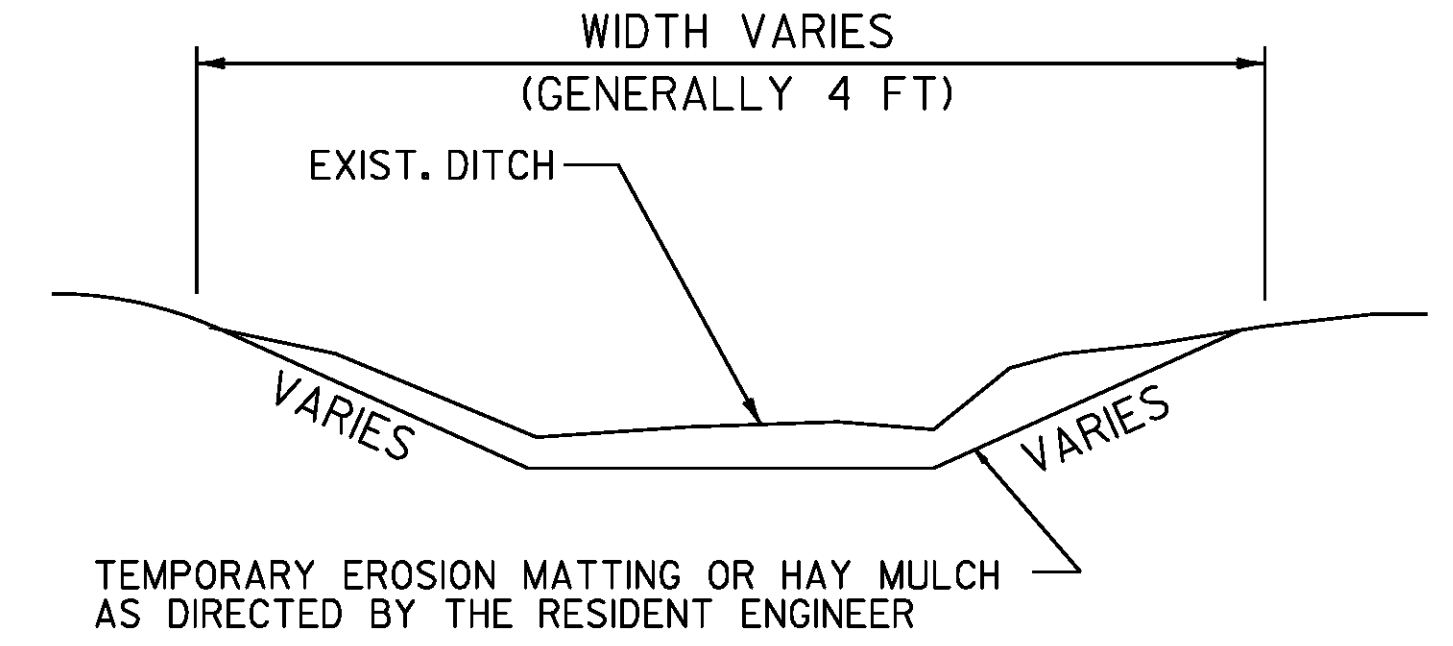
AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

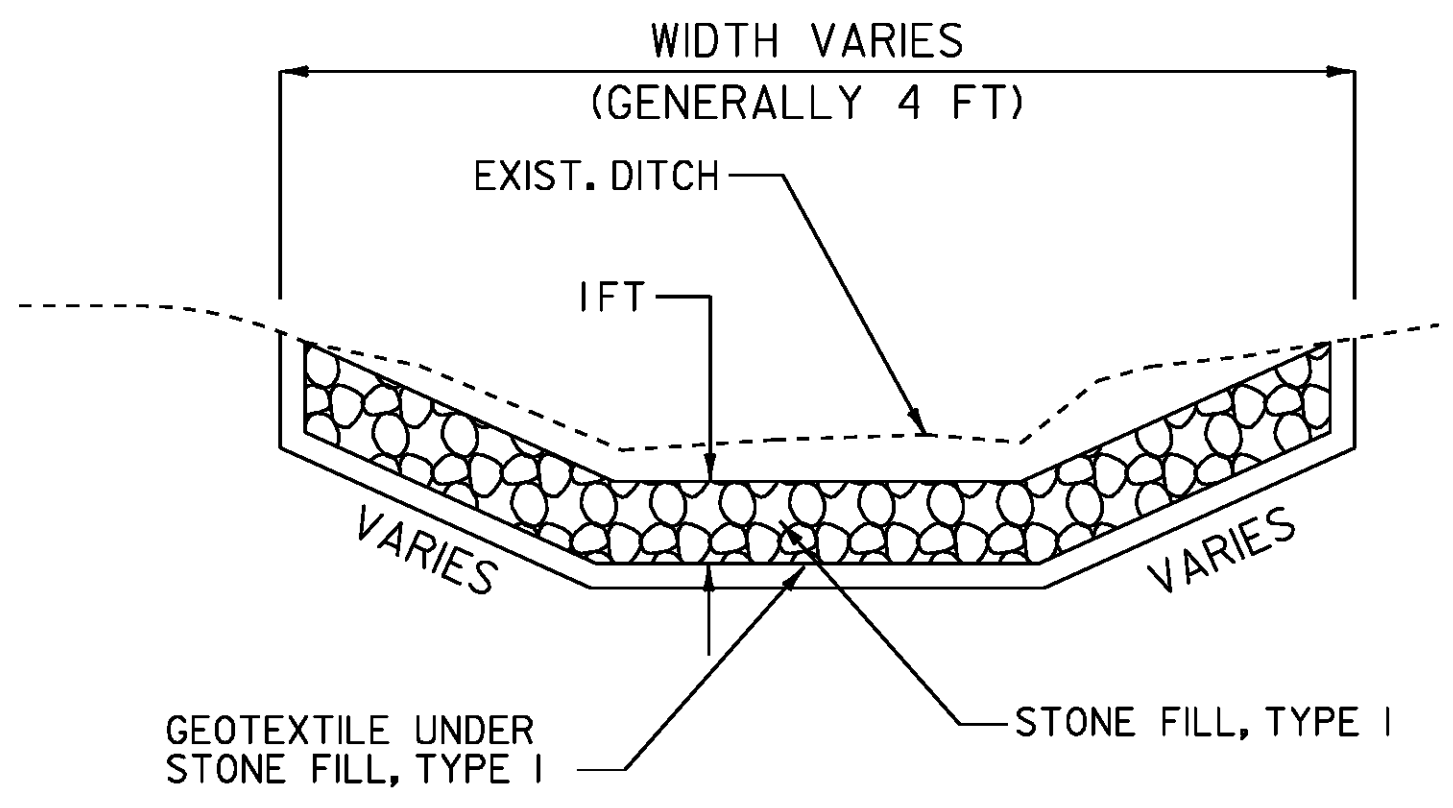
TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.5, 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.

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).



**DITCH DETAIL < 2.5 PERCENT NOT TO SCALE**



**DITCH DETAIL > 2.5 PERCENT NOT TO SCALE**  
**DITCH CLEANING DETAIL SHEET 2**

PROJECT NAME: NEWFANE-TOWNSHEND  
 PROJECT NUMBER: STP 2401 (1)  
 FILE NAME: p01b036.dgn PLOT DATE: 04-FEB-2010  
 PROJECT LEADER: CRB DRAWN BY: JBZ  
 DESIGNED BY: JBZ CHECKED BY: BDB  
 IPARM FILE NAME: p01b036\_19.1 SHEET 19 OF 32