

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				
NEWFANE				LF	LF	LF	SY	CY	SY	TOWNSHEND				LF	LF	LF	SY	CY	SY		
VT 30										VT 30											
1	2.003	2.038	RT		185		82.2			31	0.049	0.072	RT		121		53.8				
2	2.266	2.314	RT			253		37.5	168.7	32	0.519	0.652	RT		702		312.0				
3	2.566	2.587	LT		III		49.3			32	1.004	1.032	RT		153		68.0				
4	2.640	2.661	RT		III		49.3			34	1.672	1.691	LT		100		44.4				
5	2.701	2.717	LT	84			37.3			35	1.702	1.751	LT		259		38.4	172.7			
6	2.730	2.761	LT	164			72.9			36	2.215	2.232	RT		90		13.3	60.0			
7	3.272	3.368	LT			507		75.1	328.0	37	2.538	2.543	RT		26		3.9	17.3			
8	3.384	3.416	LT		169		75.1			38	2.548	2.557	RT		48		7.1	32.0	HAS STONE		
9	3.416	3.435	LT			100		14.8	66.7	39	2.655	2.680	RT		132		19.6	88.0			
10	3.473	3.512	LT		206		91.6			40	2.795	2.861	RT		348		51.6	232.0	7.0%		
11	3.521	3.585	LT			328		50.1	225.3	41	2.968	3.013	RT		238		35.3	158.7			
12	3.675	3.700	RT			132		19.6	88.0	42	3.327	3.326	RT		48		21.3				
13	3.720	3.750	LT			158		23.4	105.3	43	3.363	3.720	RT		1885		279.3	1256.7			
14	4.134	4.163	LT			153		22.7	102.0	44	3.497	3.512	RT		79		35.1				
15	4.362	4.375	LT			69		10.2	46.0	45	3.577	3.601	RT		127		56.4				
16	4.430	4.457	LT		143		63.6			46	3.601	3.632	RT		169		25.0	112.7			
17	4.462	4.484	LT		116		51.6			47	3.711	3.734	RT		121		17.9	80.7			
18	4.675	4.717	LT		222		98.7			48	3.730	3.775	LT		238		35.3	158.7	6.5%		
19	4.753	4.818	LT			343		50.8	228.7	49	3.734	3.847	RT		597		88.4	398.0			
20	4.773	4.781	RT	42			18.7			50	3.857	3.880	RT		121		17.9	80.7	7.5%		
21	4.863	4.891	LT			148		21.9	98.7	51	4.016	4.043	RT		143		21.2	95.3			
22	4.934	4.953	LT			100		14.8	66.7	52	4.227	4.242	RT		79		11.7	52.7			
23	5.022	5.073	LT			269		39.9	179.3	53	4.242	4.279	RT		195		86.7				
24	5.078	5.116	LT			201		29.8	134.0	54	4.327	4.845	RT		2735		405.2	1823.3	SLOPE VARIES		
25	5.116	5.191	LT			396		58.7	264.0	55	4.688	4.746	LT		306		45.3	204.0	8.6%		
26	5.235	5.277	LT			222		32.9	148.0	56	4.918	5.060	RT		750		111.1	500.0	SLOPE VARIES		
27	5.302	5.307	LT			26		3.9	17.3	57	4.954	4.991	LT		195		28.9	130.0	6.9%		
28	5.370	5.384	LT	74			32.9			58	5.388	5.403	RT		79		11.7	52.7	6.0%		
29	5.392	5.408	LT			84		12.4	56.0	59	5.510	5.630	LT		634		93.9	422.7			
30	5.625	5.666	LT			216		32.0	144.0	60	5.630	5.652	LT		116		17.2	77.3	11.6%		
NEWFANE SUBTOTALS							723.2	550.5	2476.7												
								TOWNSHEND THIS SHEET SUBTOTALS							677.7	1379.2	6206.2				
								PROJECT TOTALS (THIS SHEET)							1400.9	1929.7	8682.9				

DITCH LOCATIONS AND QUANTITIES USED ON PAGES 61310-1 TO 61310-3 AND 65320-1 IN PROJECT COMPUTATION BINDER

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
15	12	ANNUAL RYE GRASS	95	90
3		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 65115: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 65118: 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)

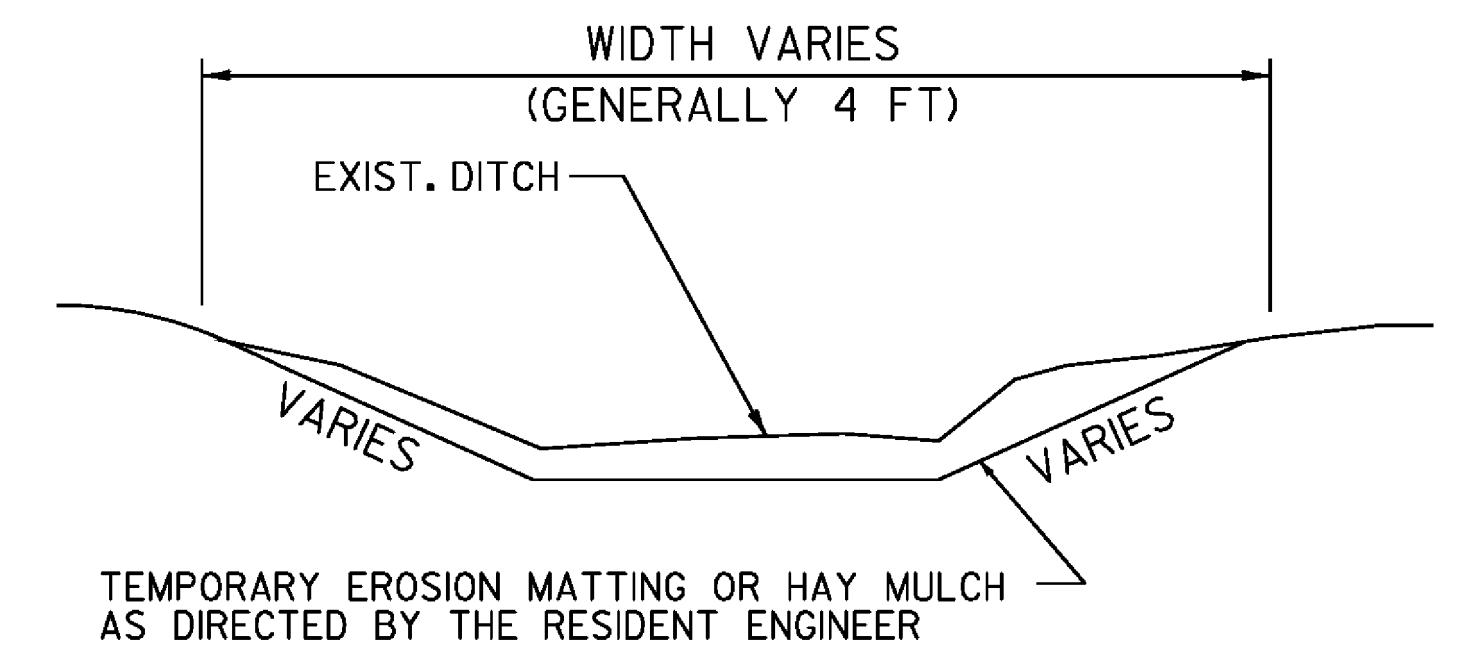
AGRICULTURAL LIMESTONE ITEM 65120: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 65125: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

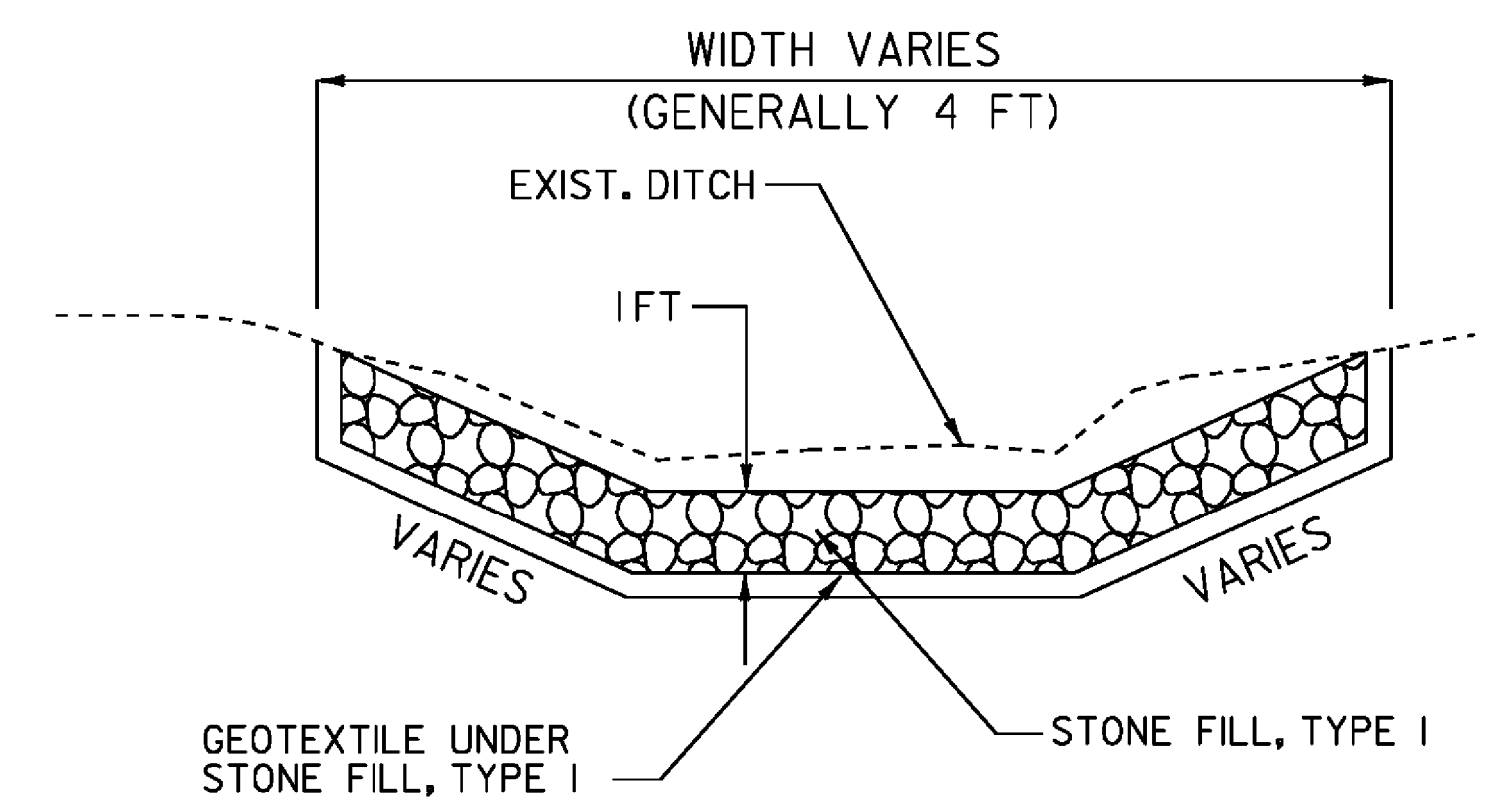
TOPSOIL ITEM 65135: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

GRADES LESS THAN 1 PERCENT SHALL USE ITEM 65115, SEED AND ITEM 65125, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 65125, HAY MULCH OR ITEM 65320, 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 1

PROJECT NAME: NEWFANE-TOWNSHEND
PROJECT NUMBER: STP 2401 (I)
FILE NAME: p01b036.dgn
PROJECT LEADER: CRB
DESIGNED BY: JBZ
IPARM FILE NAME: p01b036_18.1
PLOT DATE: 04-FEB-2010
DRAWN BY: JBZ
CHECKED BY: BDB
SHEET 18 OF 32