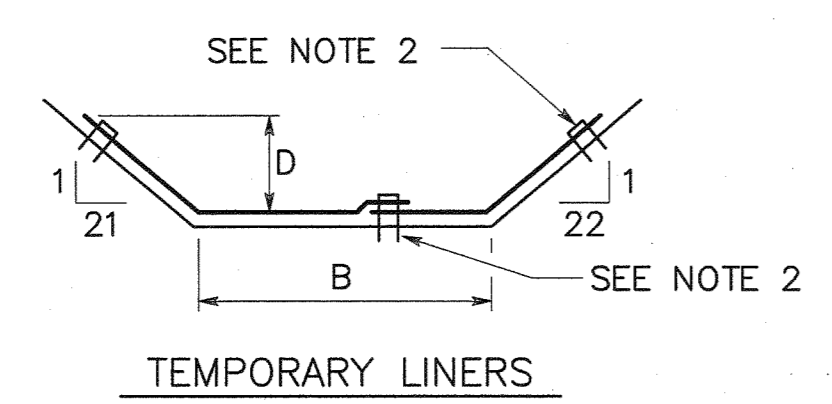
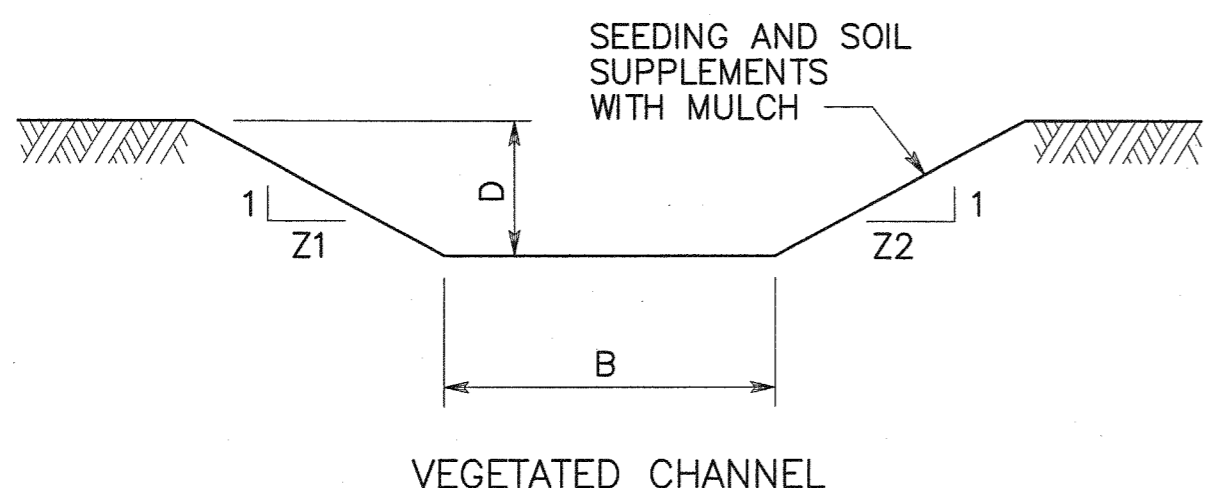
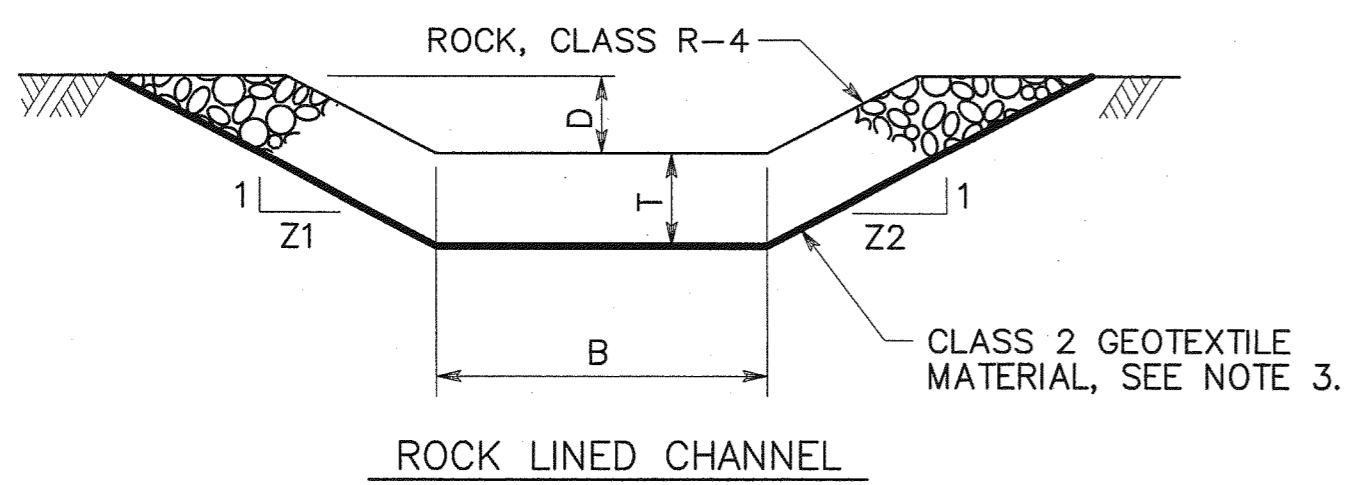


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8 - 0	CUMBERLAND AND YORK	2011	005	8 OF 15
MONROE TOWNSHIP AND CARROLL TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

ROCK	
SIZE	T
R-3	12"
R-4	18"
R-5	24"
R-6	30"
R-7	36"
R-8	48"



HIGH VELOCITY EROSION CONTROL MULCH BLANKET (HV ECMB)
 EROSION CONTROL MULCH BLANKET (ECMB)

PERMANENT CHANNELS

CHANNEL	STATIONS/LOCATION	B (ft)	D (ft)	Z1	Z2	LINING
PD-1	24+61 TO 27+15, LT.	0	1.5	6	6	ECMB/GRASS
PD-1	27+15 TO 28+21, LT.	0	1.0	6	6	ROCK, CLASS R-4

CHANNEL INSTALLATION NOTES

- CONSTRUCT CHANNELS STARTING FROM DOWNSTREAM END AND WORKING UPSTREAM.
- INSTALL TEMPORARY LINERS IN ACCORDANCE WITH MANUFACTURED SPECIFICATIONS AND AS FOLLOWS:
 - PROVIDE 12" OVERLAP OF UPSTREAM TEMPORARY LINER OVER DOWNSTREAM TEMPORARY LINER. STAPLE ON 18" CENTERS.
 - PROVIDE 4" LONGITUDINAL OVERLAP OF TEMPORARY LINER WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED. STAPLE ON 18" CENTERS.
 - PROVIDE 6" STAPLES ON OUTSIDE EDGE ON 2' CENTERS.
- FOR ROCK LINE CHANNELS, PROVIDE GEOTEXTILE MATERIAL ALONG ALL INTERFACE AREAS WITH GROUND CONTACT.
- VEGETATED CHANNELS, SHALL BE CONSTRUCTED FREE OF ROCKS, TREE ROOTS, STUMPS OR OTHER PROJECTIONS THAT WILL IMPEDE NORMAL CHANNEL FLOW AND/OR PREVENT GOOD LINING TO SOIL CONTACT. THE CHANNEL SHALL BE INITIALLY OVER-EXCAVATED TO ALLOW FOR THE PLACEMENT OF TOPSOIL.

CHANNEL MAINTENANCE AND INSPECTION NOTES

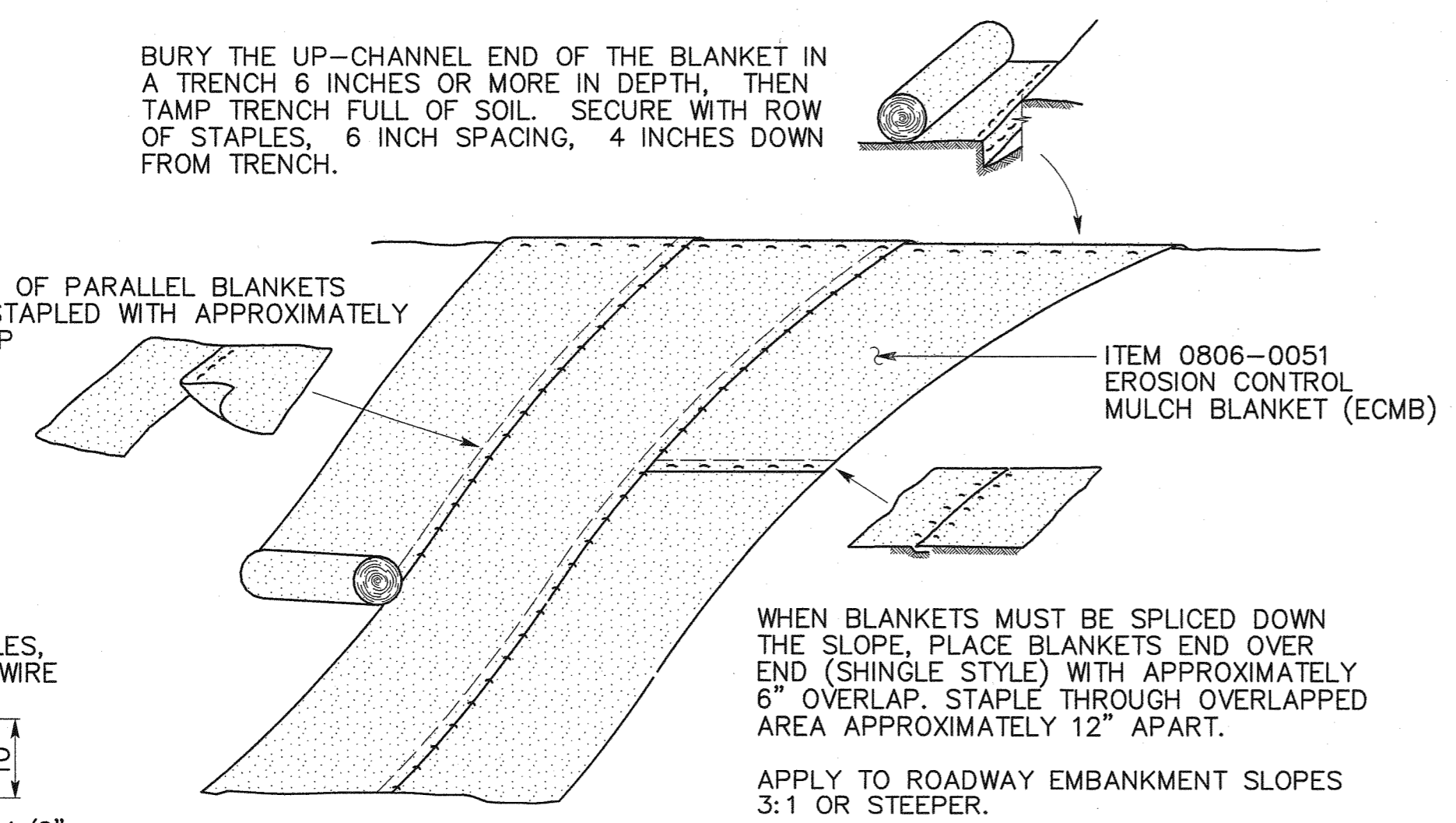
- INSERT CHANNELS WEEKLY AND AFTER EACH RUNOFF EVENT.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS SO AS TO MAINTAIN CHANNEL CAPACITY AT ALL TIMES.
- DAMAGED PROTECTIVE LININGS SHOULD BE REPAIRED OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- ALL CHANNELS MUST BE KEPT FREE OF OBSTRUCTION SUCH AS FILL GROUND, FALLEN LEAVES & WOODY DEBRIS, ACCUMULATED SEDIMENT, AND CONSTRUCTION MATERIALS/WASTES. CHANNELS SHOULD BE KEPT MOWED AND/OR FREE OF ALL WEEDY, BRUSHY OR WOODY GROWTH. ANY UNDERGROUND UTILITIES RUNNING ACROSS/THROUGH THE CHANNEL(S) SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL(S) REPAIRED AND STABILIZED PER THE CHANNEL CROSS-SECTION DETAIL.

PERMANENT CHANNELS

NOT TO SCALE

BURY THE UP-CHANNEL END OF THE BLANKET IN A TRENCH 6 INCHES OR MORE IN DEPTH, THEN TAMP TRENCH FULL OF SOIL. SECURE WITH ROW OF STAPLES, 6 INCH SPACING, 4 INCHES DOWN FROM TRENCH.

THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP



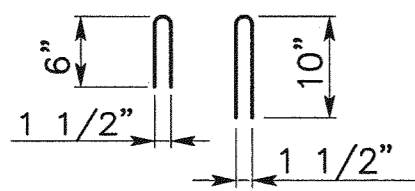
ITEM 0806-0051
 EROSION CONTROL
 MULCH BLANKET (ECMB)

WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART.

APPLY TO ROADWAY EMBANKMENT SLOPES 3:1 OR STEEPER.

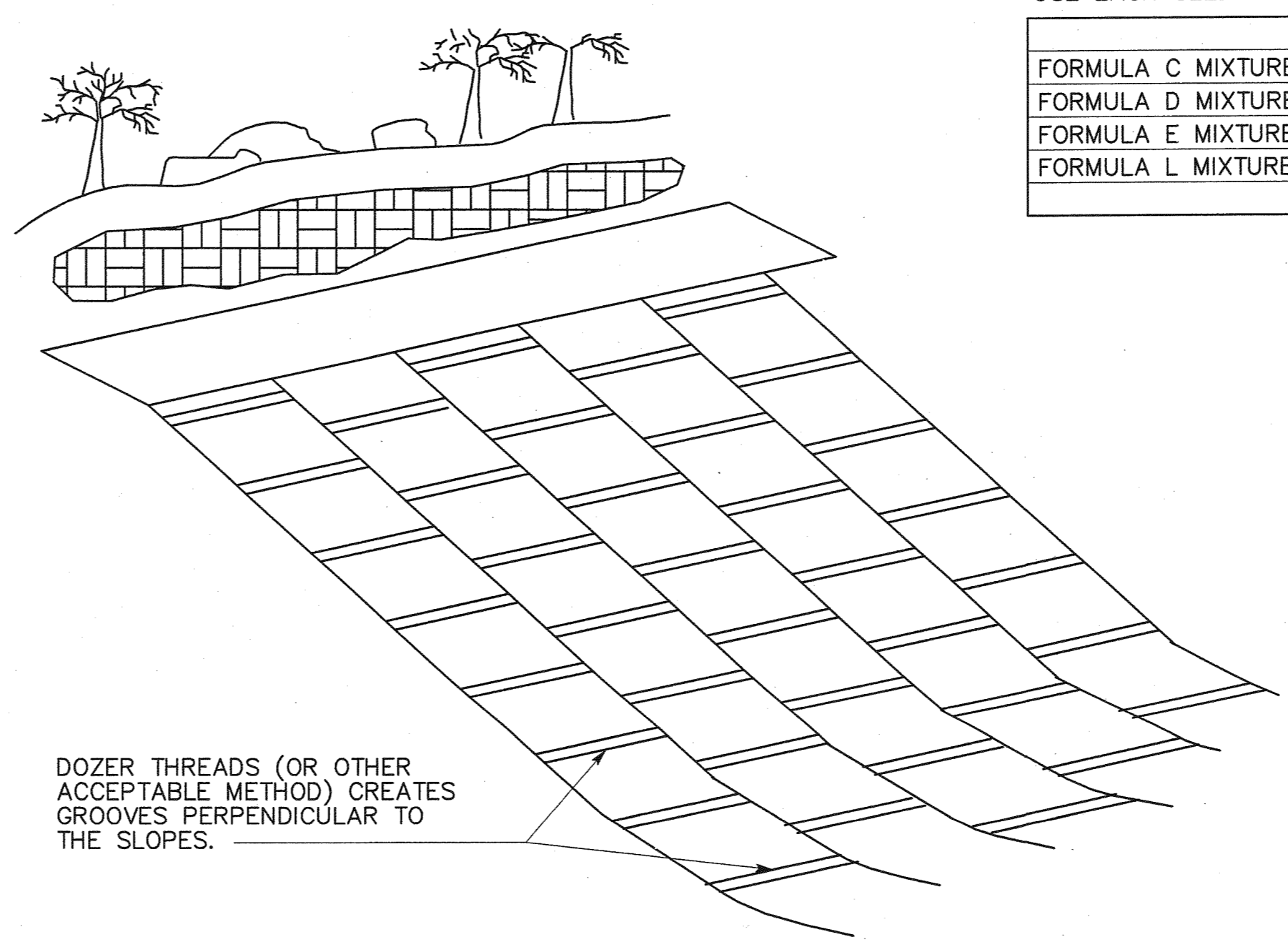
APPLY TO DISTURBED AREA IN CLOSE PROXIMITY (WITHIN 50') TO WATER OF THE COMMONWEALTH WHICH DO NOT RECEIVE ROCK PROTECTION AS INDICATED

TYPICAL STAPLES,
 NO. 8 GAUGE WIRE



SLOPE EROSION PROTECTION APPLICATION

NOT TO SCALE



DOZER THREADS (OR OTHER ACCEPTABLE METHOD) CREATES GROOVES PERPENDICULAR TO THE SLOPES.

SLOPE PREPARATION

NOT TO SCALE

PERMANENT SEED MIXTURE

	% OF MIXTURE	% PURITY	% GERMINATION	% WEED SEED
FORMULA C MIXTURE				
SPECIES				
CROWN VETCH	45	99	70	0.10
ANNUAL RYEGRASS	55	98	90	0.15
FORMULA D MIXTURE				
SPECIES				
TALL FESCUE	70	98	85	0.15
CREEPING RED FESCUE OR CHEWINGS FESCUE	30	98	85	0.15
FORMULA L MIXTURE				
SPECIES				
HARD FESCUE	55	98	85	0.15
CREEPING RED FESCUE	35	98	85	0.15
ANNUAL RYEGRASS	10	98	90	0.15

APPLICATIONS :

AGRICULTURAL LIMESTONE	2 TON/AC
FERTILIZER (10-20-20)	700 LB/AC
FORMULA C SEED MIX	44 LB/AC (9 LB/1000 SY)
FORMULA D SEED MIX	100 LB/AC (21 LB/1000 SY)
FORMULA L SEED MIX	116 LB/AC (24 LB/1000 SY)
STRAW MULCH	3 TON/AC (ANCHOR IN ACCORDANCE WITH PENNDOT PUB. 408)

TEMPORARY SEED MIXTURE

	% OF MIXTURE	% PURITY	% GERMINATION	% WEED SEED
FORMULA E MIXTURE				
SPECIES				
ANNUAL RYEGRASS	100	98	90	0.15

APPLICATIONS :

FORMULA E SEED MIX	50 LB/AC (10 LB/1000 SY)
STRAW MULCH	3 TON/AC (ANCHOR IN ACCORDANCE WITH PENNDOT PUB. 408)

USE EACH SEED MIXTURE IN THE AREAS DESIGNATED AS FOLLOWS OR AS DIRECTED.

FORMULA C MIXTURE	CUT AND FILL SLOPES STEEPER THAN 3:1
FORMULA D MIXTURE	CHANNELS
FORMULA E MIXTURE	AS NECESSARY
FORMULA L MIXTURE	DISTURBED AREAS 3:1 AND FLATTER

