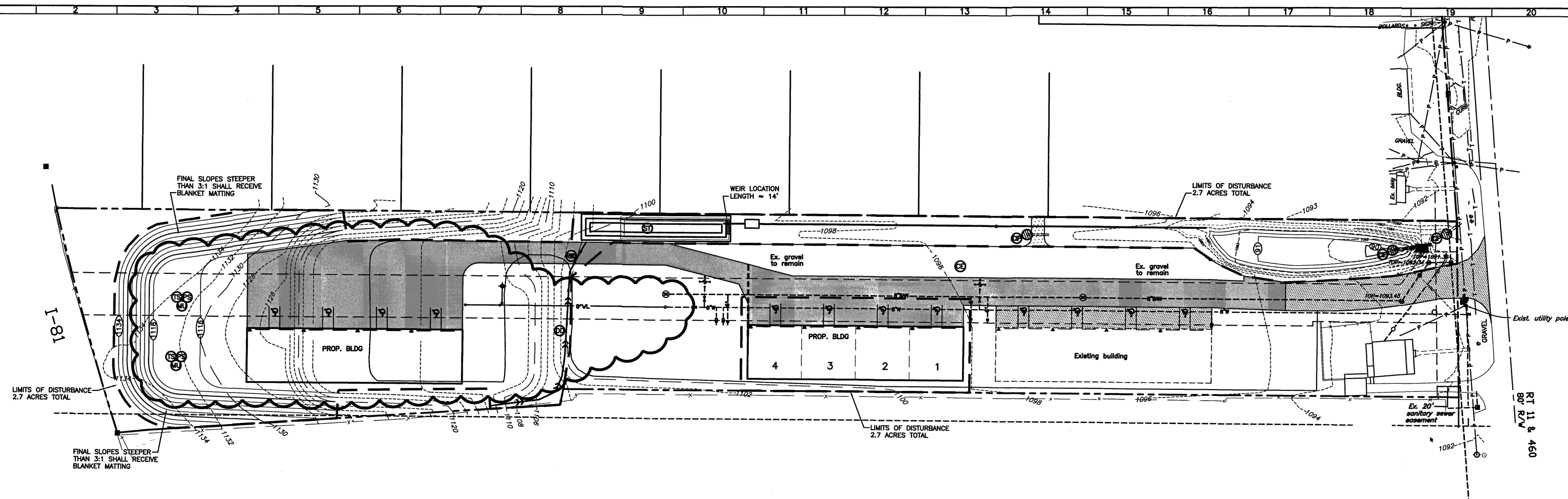




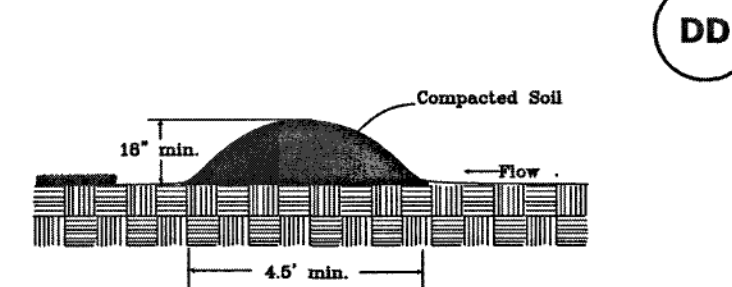
ESC LEGEND

3.02	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE	CE
3.08	CULVERT INLET PROTECTION	CIP
3.09	TEMPORARY DIVERSION DIKE	DD
3.11	TEMPORARY RIGHT-OF-WAY DIVERSION	RWD
3.13	TEMPORARY SEDIMENT TRAP	ST
3.31	TEMPORARY SEEDING	TS
3.32	PERMANENT SEEDING	PS
3.35	MULCHING	MU
3.36	SOIL STABILIZATION BLANKETS & MATTING	B/M

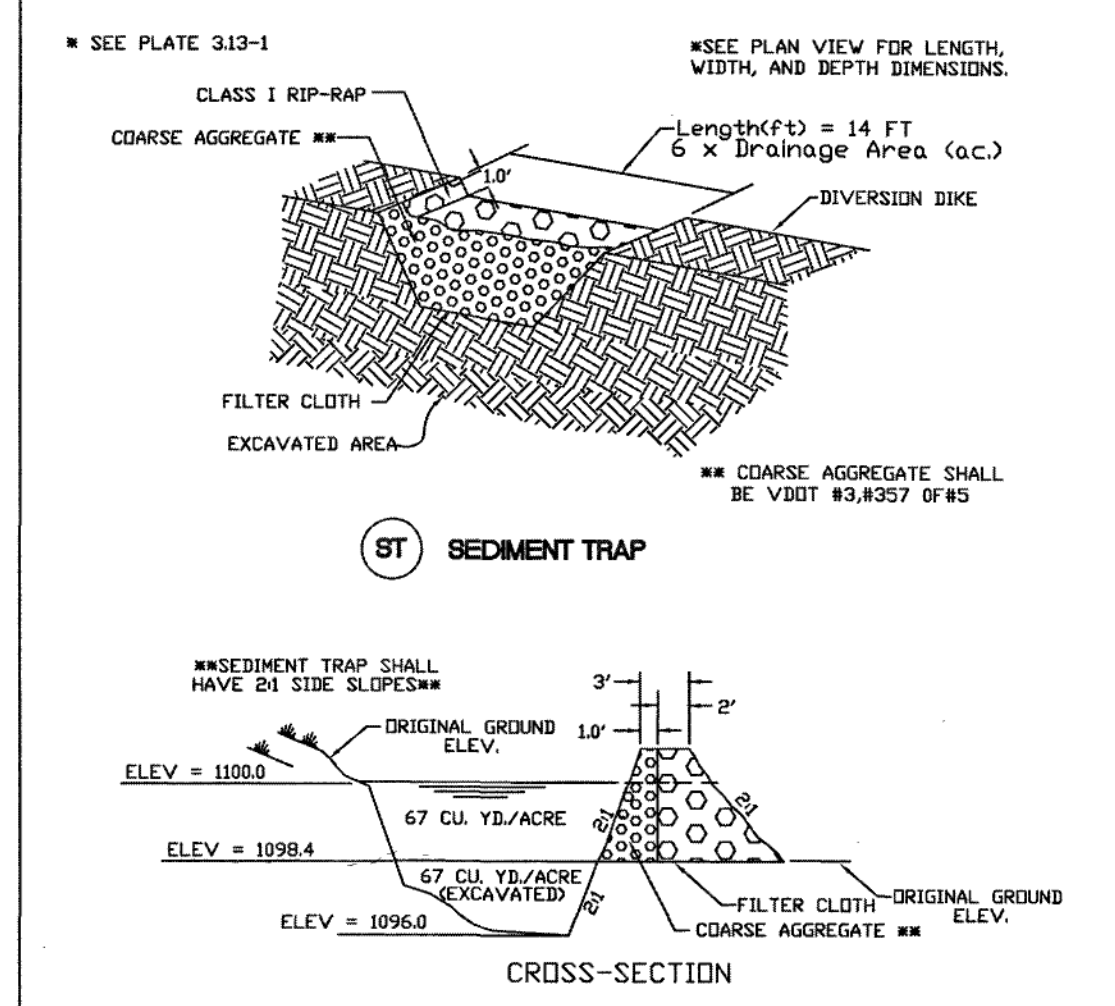
ESC SEQUENCE OF CONSTRUCTION

1. EXISTING GRAVEL AREA SHALL SERVE AS THE CONSTRUCTION ENTRANCE FOR THIS PROJECT. THIS AREA SHALL BE MAINTAINED THROUGHOUT THE PROJECT.
2. AFTER THE CONSTRUCTION SITE IS ACCESSED, INSTALL CULVERT INLET PROTECTION ON THE EXISTING CULVERT AND INSTALL THE PROPOSED SEDIMENT TRAP. THE TRAP SHALL BE IN A CUT CONDITION SO THAT SEDIMENT IS NOT TRANSPORTED TO THE ADJACENT PROPERTIES.
3. THE PROPOSED DIVERSION DIKE AND RIGHT-OF-WAY DIVERSION SHALL BE INSTALLED TO DIRECT SEDIMENT-LADEN RUNOFF TO THE SEDIMENT TRAP.
4. MAJOR GRADING OPERATIONS AND BUILDING CONSTRUCTION SHALL COMMENCE AT THIS TIME. CULVERT INLET PROTECTION SHALL BE PROVIDED AT THE OUTFALL OF THE POND AND ON THE EXISTING VDOT CULVERT WHEN CONSTRUCTION PROGRESSES INTO THIS AREA.
5. ANY AREAS THAT WILL REMAIN DORMANT FOR LONGER THAN 14 DAYS SHALL RECEIVE TEMPORARY SEEDING.
6. INSTALLATION OF UTILITIES TO THE BUILDING SHALL BE COMPLETED.
7. INSTALL ADDITIONAL GRAVEL IN AREAS SHOWN ON PLAN AND BASE MATERIAL IN AREAS TO BE PAVED.
8. UPON REACHING FINAL GRADES, LANDSCAPING SHALL BE INSTALLED.
9. THE SITE SHALL BE SEEDDED AND BLANKET MATTING SHALL BE APPLIED WHERE REQUIRED.
10. AFTER FINAL STABILIZATION OF ALL UPSTREAM AREAS, THE DIVERSIONS MAY BE REMOVED.
11. AFTER FINAL STABILIZATION OF ALL UPSTREAM AREAS, THE SEDIMENT TRAP SHALL BE REMOVED AND THE SEDIMENTATION BASIN INSTALLED. NO DISTURBED AREA SHALL DRAIN TO THE SAND FILTER TO AVOID CLOGGING OF THE SAND LAYER.
12. CLEAN UP CONSTRUCTION ENTRANCE AREA AS NEEDED AND COMPLETE PAVING OF PARKING LOT.
13. ROANOKE COUNTY INSPECTION AND APPROVAL REQUIRED PRIOR TO REMOVAL OF ANY ESC MEASURES.

TEMPORARY DIVERSION DIKE



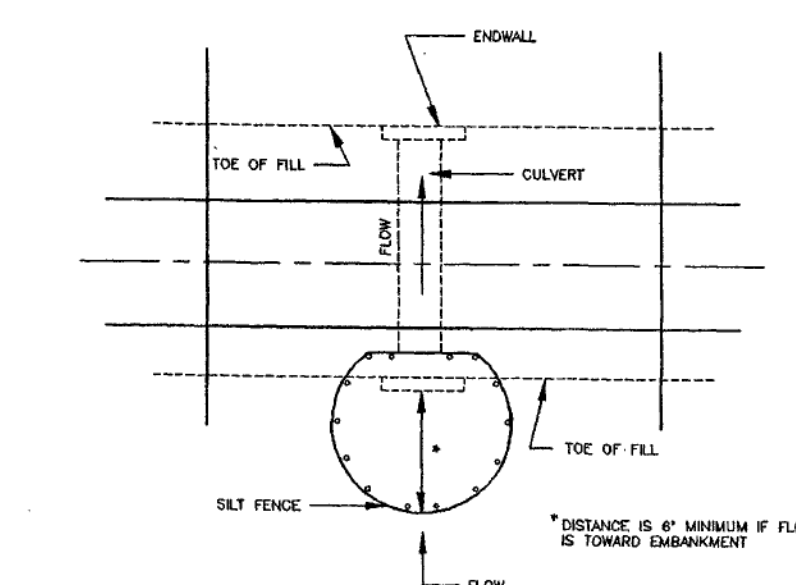
SEDIMENT TRAP DETAIL



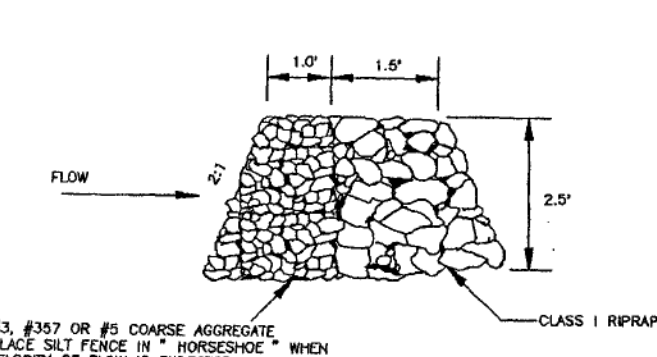
TEMPORARY SEDIMENT TRAP DATA

STR.	D.A. (ACRES)	STORAGE (C.Y.)	WEIR REQ'D	WEIR DESIGN	WEIR LENGTH (FT.)	WEIR HEIGHT (FT.)	BERM LENGTH (FT.)	TOP LENGTH (FT.)	TOP WIDTH (FT.)	TOTAL DEPTH (FT.)
1	2.3	308 (TOTAL) 313 (TOTAL)	14'	1.6'	1.6'	1.6'	138'	24'	4'	
		154 (WET) 103 (WET)								
		154 (DRY) 108 (DRY)								

SILT FENCE CULVERT INLET PROTECTION



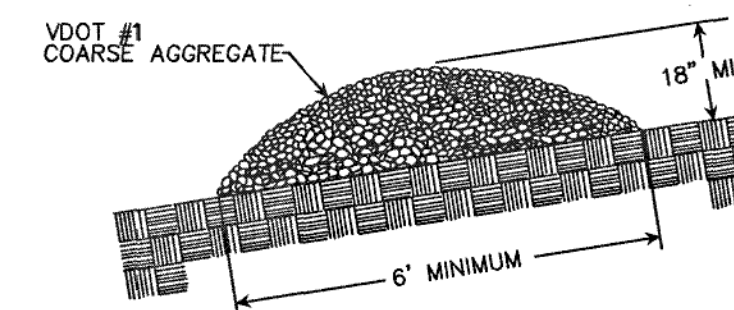
OPTIONAL STONE COMBINATION



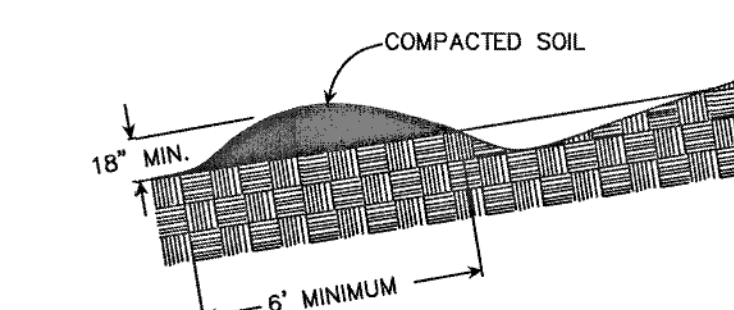
Source: Adapted from VDOT Standard Sheets and Va. DSWC

Plate 3.08-1

III - 49

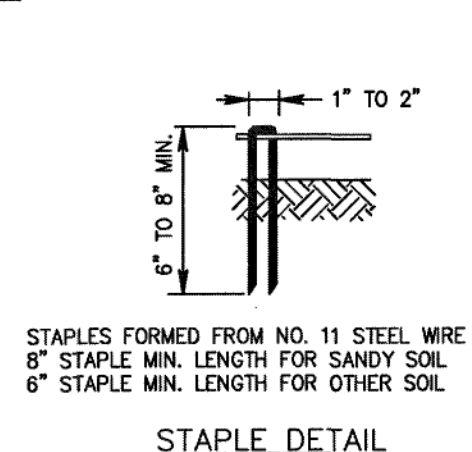
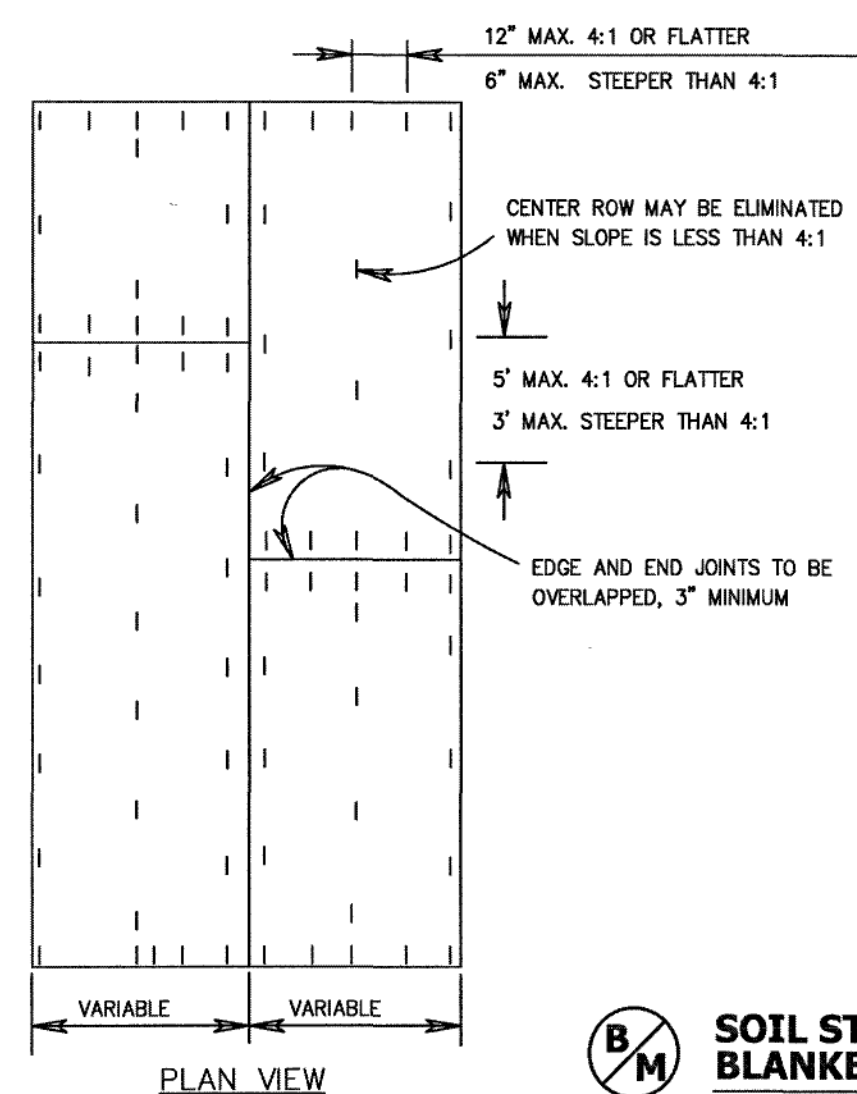


TYPICAL GRAVEL STRUCTURE

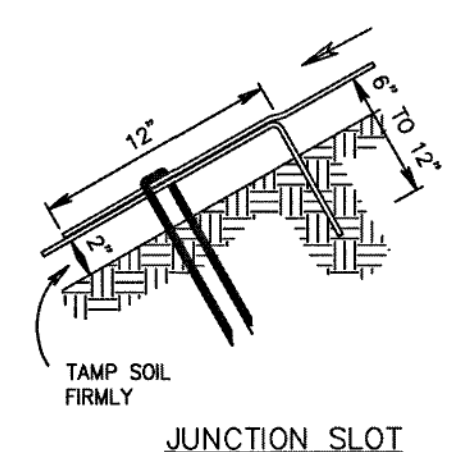


TYPICAL EARTHEN STRUCTURE

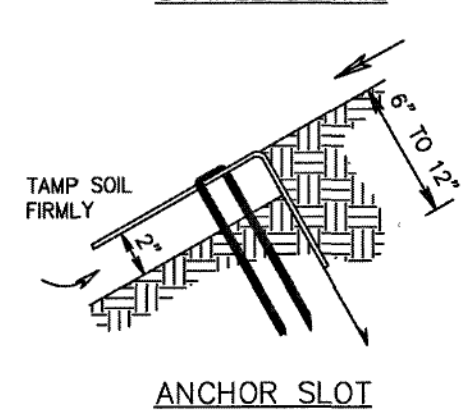
RWD TEMPORARY RIGHT-OF-WAY DIVERSIONS



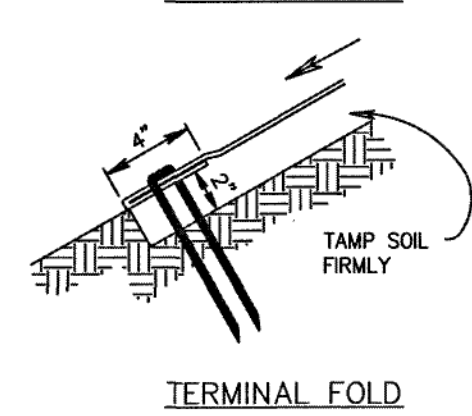
STAPLE DETAIL



JUNCTION SLOT



ANCHOR SLOT



TERMINAL FOLD

NOTE: BLANKET MATTING (B/M) TO BE USED ON ALL SLOPES 3:1 OR STEEPER.

SOIL STABILIZATION
BLANKET & MATTING