

**MATERIALS (GENERAL)**

**MULCH:** TO THE MAXIMUM DEGREE PRACTICAL THE MULCH SHALL BE FREE OF WEED SPECIES ESPECIALLY PROHIBITED NOXIOUS WEED SEED. DO NOT USE WOODY OR OTHER HEAVY MATERIALS THAN MAY INTERFERE WITH THE EMERGENCE OF SEEDLINGS.

**APPLICATION (GENERAL)**

1. REFER TO APPROVED PLANS FOR LOCATION, EXTENT, AND APPLICATION DETAILS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, EXTENT, OR METHOD OF APPLICATION CONTACT THE ENGINEER OR RESPONSIBLE ON-SITE OFFICER FOR ASSISTANCE.

2. ENSURE THE SURFACE IS FREE OF DEEP TRACK MARKS OF OTHER FEATURES THAT MAY RESULT IN FLOW CONCENTRATION DOWN THE SLOPE. WHERE NECESSARY, ESTABLISH UP-SLOPE DRAINAGE CONTROLS TO LIMIT RUN-ON WATER THAT MAY DISTURB THE MULCH.

3. SPREAD ENOUGH MULCH TO COMPLETELY COVER THE SURFACE OF THE SOIL AT THE DENSITY OR THICKNESS SPECIFIED IN THE APPROVED PLANS, BUT NOT GREATER THAN 50mm.

4. MACHINE APPLICATIONS SHALL COMPRISE A MINIMUM OF TWO PASSES IN OPPOSITE DIRECTIONS UNLESS OTHERWISE SPECIFIED.

5. DURING APPLICATION, ALL REASONABLE EFFORTS SHALL BE TAKEN TO AVOID SPRAY ONTO ROADS, PATHWAYS, DRAINAGE CHANNELS NOT INTENDED FOR APPLICATION, AND EXISTING VEGETATION.

6. SUITABLE ANCHORAGE OF THE MULCH MUST BE ACCOMPLISHED IMMEDIATELY AFTER THE MULCH HAS BEEN PLACED.

7. ENSURE THE MULCH IS RESTRAINED FROM EXCESSIVE MOVEMENT BY WIND OR STORMWATER RUNOFF BY THE APPROPRIATE APPLICATION OF AN APPROVED TACKIFIER. ON FLAT OR GENTLE SLOPES, STRAW MULCH MAY BE FIXED TO THE SOIL BY MECHANICAL CRIMPING.

8. IF THE TREATED AREA WAS SEEDED, CONTINUE TO WATER AFTER MULCHING IN ACCORDANCE WITH WEATHER CONDITIONS, OR AS REQUIRED TO OBTAIN SUITABLE GERMINATION AND PLANT ESTABLISHMENT.

9. APPLICATION (SPRAYING) OF A TACKIFIER MUST NOT BE PERFORMED DURING PERIODS OF WINDY CONDITIONS THAT WOULD PREVENT THE PROPER PLACEMENT OF ADHESIVE.

10. THE CONTRACTOR MUST TAKE APPROPRIATE STEPS TO PROTECT ALL TRAFFIC, SIGNS, STRUCTURES, AND OTHER OBJECTS FROM BEING MARKED OR DISFIGURED BY THE TACKIFIER MATERIAL.

**APPLICATION (HYDROMULCHING)**

THE FOLLOWING SPECIFICATION APPLIES TO GRASS SEEDING, NOT THE APPLICATION OF NATIVE TREE OR SHRUB SEED.

1. REFER TO APPROVED PLANS FOR LOCATION, EXTENT, AND APPLICATION DETAILS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, EXTENT, OR METHOD OF APPLICATION CONTACT THE ENGINEER OR RESPONSIBLE ON-SITE OFFICER FOR ASSISTANCE.

2. ENSURE THE SURFACE IS FREE OF DEEP TRACK MARKS OF OTHER FEATURES THAT MAY RESULT IN FLOW CONCENTRATION DOWN THE SLOPE. WHERE NECESSARY, ESTABLISH UP-SLOPE DRAINAGE CONTROLS TO LIMIT RUN-ON WATER THAT MAY DISTURB THE MULCH.

3. PRIOR TO APPLICATION, ROUGHEN THE SOIL SURFACE AND FILL AREAS BY ROLLING WITH A CRIMPING OR PUNCHING TYPE ROLLER OR BY TRACK WALKING WHERE PRACTICAL.

4. IF THE SOIL IS DRY, WATER THE TREATMENT AREA BEFORE HYDROSEEDING TO INCREASE PENETRATION OF THE ADHESIVE AND FERTILISER ADDITIVES.

5. ADD STRAW, WOOD OR PAPER CELLULOSE FIBRE MULCH TO THE SLURRY AT THE SPECIFIED RATE, OTHERWISE AT A RATE OF 2 TO 3 TONNES PER HECTARE.

6. MACHINE APPLICATIONS SHALL COMPRISE A MINIMUM OF TWO PASSES IN OPPOSITE DIRECTIONS UNLESS OTHERWISE SPECIFIED.

7. DURING APPLICATION, ALL REASONABLE EFFORTS SHALL BE TAKEN TO AVOID SPRAY ONTO ROADS, PATHWAYS, DRAINAGE CHANNELS NOT INTENDED FOR APPLICATION, AND EXISTING VEGETATION.

8. THE CONTRACTOR MUST TAKE APPROPRIATE STEPS TO PROTECT ALL TRAFFIC, SIGNS, STRUCTURES, AND OTHER OBJECTS FROM BEING MARKED

OR DISFIGURED BY THE MULCH AND/OR ASSOCIATED TACKIFIER.

9. CONTINUE TO WATER AFTER ALLOWING 24 HOURS DRYING TIME. WATER IN ACCORDANCE WITH THE WEATHER CONDITIONS, OR AS REQUIRED TO MAINTAIN SUITABLE GERMINATION AND PLANT GROWTH. THE WOOD-FIBRE SHOULD BE KEPT MOIST UNTIL GERMINATION OCCURS.

**MAINTENANCE**

1. INSPECT ALL MULCHES FORTNIGHTLY AND AFTER RUNOFF-PRODUCING RAINFALL AND STRONG WINDS.

2. CHECK FOR RILL EROSION, OR DISLODGMET OF THE MULCH.


3. REPLACE ANY DISPLACED MULCH TO MAINTAIN THE REQUIRED COVERAGE.

4. IF STORMWATER RUNOFF DISPLACES MORE THAN 10% OF THE MULCH, THEN INVESTIGATE THE NEED FOR ADDITIONAL DRAINAGE CONTROLS TO PREVENT FURTHER DISPLACEMENT.

5. CONTINUE INSPECTIONS UNTIL VEGETATION IS SUITABLY ESTABLISHED OR EROSION CONTROL IS NO LONGER REQUIRED.

6. IF THE MULCHING IS NOT EFFECTIVE IN CONTAINING THE SOIL EROSION IT SHOULD BE REPLACED, OR AN ALTERNATIVE EROSION CONTROL PROCEDURE ADOPTED.

NOTE: MINIMUM COVERAGE 70 TO 75% OF SURFACE AREA, REINFORCED WITH NETTING IF SLOPE > 20%.

<b>LIGHT MULCHING</b>		SHEET 1 OF 1
		WORKS JOB No. -
		DRAWING No. A3-6767
		AMEND. A
		
	DIRECTOR ENGINEERING SERVICES  <i>C. M. H. H. H.</i> STUART HOLLEY RPEQ 5693	DATE 19.12.11
	SIGNED P.D.G. SIGNED P.D.G. SIGNED P.D.G.	DATE 12/12/11 DATE 12/12/11 DATE
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