

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) D51 MULCH

DEFINITION: Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface. PURPOSE: To reduce runoff and erosion, to protect the soil surface from erosion, to improve wildlife habitat, to improve aesthetics, to improve soil infiltration and aeration as well as organic matter for permanent plantings.

REQUIREMENT FOR REGULATORY COMPLIANCE: Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, and have a minimum 80% cover or greater of the soil surface.

CONDITIONS: If any area will remain undisturbed for greater than six months, permanent vegetation techniques shall be employed. Refer to Disturbed Area Stabilization (With Temporary Seeding), Disturbed Area Stabilization (With Permanent Seeding), and Disturbed Area Stabilization (With Sodding).

SPECIFICATIONS: Mulching Without Seeding. This standard applies to areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a suitable cover.

Site Preparation: Install erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials: Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.

Applying Mulch: When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.

Anchoring Mulch: Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk". Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart.

Netting: The appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) D52 SEED

DEFINITION: The establishment of temporary vegetative cover with fast growing seedlings for seasonal protection on disturbed or denuded areas. PURPOSE: To reduce runoff and sediment damage of down stream resources, to protect the soil surface from erosion, to improve wildlife habitat, to improve aesthetics, to improve soil infiltration and aeration as well as organic matter for permanent plantings.

REQUIREMENT FOR REGULATORY COMPLIANCE: Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months.

CONDITIONS: Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established.

SPECIFICATIONS: Seeding and Shaping. Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as silted drains, ditches, dikes, diversions, sediment barriers and others.

Seeding Preparation: When a hydraulic seeder is used, seeded preparation is not required. When using conventional or hand-seeded, seeded preparation is required if the soil material is loose and not sealed by rainfall.

Lime and Fertilizer: Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate determined by soil test for pH. Quick acting lime should be incorporated to modify pH during the germination period.

Mulching: Temporary vegetation can, in most cases, be established without the use of mulch, provided there is little to no erosion potential. However, the use of mulch can often accelerate and enhance germination and vegetation establishment.

Irrigation: During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed.

Table with columns for months (J, F, M, A, M, J, J, A, S, O, N, D) and rows for various species like Bahia Grass, Sericea Lespedeza, etc.

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) D53 PERM

DEFINITION: The planting of permanent vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. PURPOSE: To reduce runoff and sediment damage of down stream areas, to improve wildlife habitat and visual resources, to improve aesthetics.

REQUIREMENT FOR REGULATORY COMPLIANCE: This practice shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade.

CONDITIONS: Permanent permanent vegetation shall be used to provide a protective cover for exposed areas including cuts, fills, ditches, and other denuded areas.

SPECIFICATIONS: Individual Plants. Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.

Planting: The seed (inoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch will be watered and applied in a slurry uniformly over the area to be treated.

Mulching: Mulch is required for all permanent vegetation until it is well established. Mulch applied to seeded areas shall be 2 to 4 inches deep.

CONSTRUCTION SPECIFICATIONS: Seeding and Shaping. Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used.

Lime and Fertilizer Rates and Analysis: Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise.

Table with columns for months and rows for various species like Bahia Grass, Sericea Lespedeza, etc.

D54 CONTINUED

Seeds Quality: Ryegrass shall not be used in any seeding mixtures containing perennial species due to its ability to out-compete desired species chosen for permanent perennial cover.

Seed Quality: The term "pure live seed" is used to express the quality of seed and is not shown on the label. Pure live seed, PLS, is expressed as a percent.

Seedbed Preparation: Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used.

Individual Plants: Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.

Planting: The seed (inoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch will be watered and applied in a slurry uniformly over the area to be treated.

Mulching: Mulch is required for all permanent vegetation until it is well established. Mulch applied to seeded areas shall be 2 to 4 inches deep.

CONSTRUCTION SPECIFICATIONS: Seeding and Shaping. Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used.

Lime and Fertilizer Rates and Analysis: Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise.

Table with columns for months and rows for various species like Bahia Grass, Sericea Lespedeza, etc.

CRITICAL WORK ZONE EROSION CONTROL NOTES

SHADED AREAS SHOWN ON GRADING PHASE EROSION CONTROL PLANS REPRESENT CRITICAL WORK ZONES AT THE END OF EACH WORK DAY.

CONSTRUCTION PHASE EROSION CONTROL NOTES: PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE INSPECTOR.

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CLEARING PHASE EROSION CONTROL NOTES

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MAINTENANCE STATEMENT

ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY.

INSTALLATION STATEMENT

THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

ALL CUT AND FILL SLOPES MUST BE SURFACED

ROUGHENED AND VEGETATED WITHIN (3) DAYS OF THEIR COMPLETION.

ALL FILL SLOPES WILL HAVE SILT FENCE AT TOE OF SLOPE

- CLEARING LIMITS SHALL BE CLEARLY DELINEATED WITH EITHER TREE SAVE FENCE OR OTHER SUITABLE MEANS.

TREATMENT SPECIFICATIONS

Table with columns for species (SERICEA LESPEDEZA, WEeping LOVEGRASS, etc.) and application rates (4000 LBS PER ACRE, etc.).

HYDRAULIC SEEDING EQUIPMENT

WHEN HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS USED, NO GRADING OR SHAPING OR SEEDBED PREPARATION WILL BE REQUIRED.

AGRICULTURAL LIMESTONE 75

Table with columns for application rates (4000 LBS PER ACRE, 1500 LBS PER ACRE, etc.).

SEED SPECIES APPLICATION RATE/ACRE

Table with columns for species and application rates (60 LBS, 4 LBS, etc.).

A. SEEDING WITH MULCH

Table with columns for application rates (4000 LBS PER ACRE, 1500 LBS PER ACRE, etc.).

CONSTRUCTION SPECIFICATIONS

Grading and Shaping: Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used.

Lime and Fertilizer Rates and Analysis

Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise.

Fast-acting lime spread by hydraulic equipment

Fast-acting lime spread by hydraulic equipment should be "limed" with limestone granules.

Anchoring Mulch

Anchor straw or hay mulch immediately after application by one of the following methods.

Plant Selection

Refer to Tables 6-4.1, 6-5.2, 6-5.3 and 6-5.4 for approved species. Species not listed shall be approved by the State Resource Conservationist of the Natural Resources Conservation Service before they are used.

Material

Table with columns for material and depth (Grass Hay 4' to 5', Grass Hay 4' to 6', Pine needles 3' to 5', Wood waste 4' to 6').

Irrigation

Irrigation will be applied at a rate that will not cause runoff.

Topdressing

Topdressing will be applied on all temporary and permanent (perennial) species planted alone or in mixtures with other species.

Second Year and Maintenance Fertilization

Second year fertilizer rates and maintenance fertilizer rates are listed in Table 6-5.1.

Lime Maintenance Application

Apply one ton of agricultural lime every 4 to 6 years or as indicated by soil tests. Soil tests can be conducted to determine more accurate requirements, if desired.

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ROCHESTER ASSOCIATES, INC. logo and contact information.

LANIER ISLANDS CONFERENCE CENTER logo and location information.

REVISIONS table with columns for REV, DATE, and DESCRIPTION.

Professional Engineer Seal for Jeffrey N. Collins, State of Georgia, License No. 13400.

Sheet information: SHEET C56 OF C66, DATE: 12-11-20, SCALE: AS SHOWN, JOB NO.: 0206124-CC, REV'D BY: JNC, DRAWN BY: JNC.