

## TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

Ss

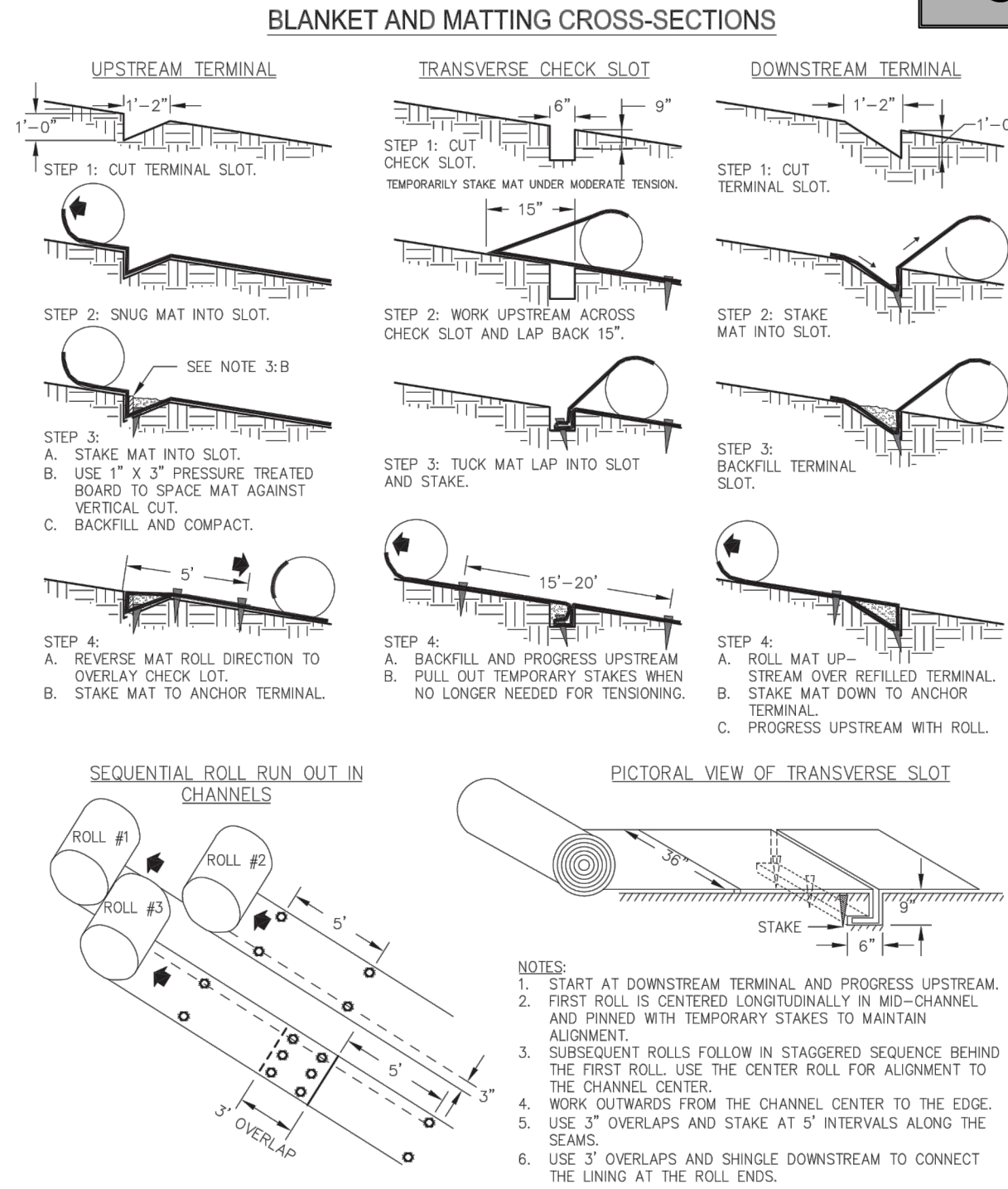


Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets

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## Dust Control on Disturbed Areas

Du



### DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

### PURPOSE

•To prevent surface and air movement of dust from exposed soil surfaces.

•To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

### CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

### METHOD AND MATERIALS

#### A. Temporary Methods

**Mulches.** See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification Tac - Tackifiers. Resins should be used according to manufacturer's recommendations.

**Vegetative Cover.** See specification Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

**Spray-on Adhesives.** These are used on mineral soils (not effective on poor soils). Keep traffic off these areas. Refer to specification Tac - Tackifiers.

**Tillage.** This practice is designed to roughen and bring clods to the surface. It is an emergency

measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

**Irrigation.** This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

**Barriers.** Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

**Calcium Chloride.** Apply at rate that will keep surface moist. May need retreatment.

#### B. Permanent Methods

**Permanent Vegetation.** See specification Ds3 - Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.

**Topsailing.** This entails covering the surface with less erosive soil material. See specification Tp - Topsailing.

**Stone.** Cover surface with crushed stone or coarse gravel. See specification Cr-Construction Road Stabilization.

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Ds2

Table 6-4.1 - Temporary Cover or Companion Cover Crops  
PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS

Species	Broadcast Rates	Resource Area <sup>a</sup>	Planting Dates by Resource Area	Remarks
	Pure Live Seed (PLS) Per 1000 sqft Rate Per Acre <sup>2</sup>		Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates. J F M A M J J A S O N D	
BARLEY <i>Hordeum vulgare</i>				
alone	3 bu. (144 lbs)	3.3 lbs	M-L	
in mixture	1/2 bu. (24lbs)	0.6 lb	P	14,000 seed per pound. Winter hardy. Use on productive soils.
			C	
LESPEDEZA, ANNUAL <i>Lespedeza striata</i>				
alone	40 lbs	0.9 lb	M-L	
in mixture	10 lbs	0.2 lb	P	200,000 seed per pound. May volunteer for several years. Use inoculant EL.
			C	
LOVEGRASS, WEEPING <i>Eragrostis curvula</i>				
alone	4 lbs	0.1 lb	M-L	
in mixture	2 lbs	0.05 lb	P	1,500,000 seed per pound. May last for several years. Mix with <i>Setaria lespedeza</i> .
			C	
MILLET, BROWNTOP <i>Panicum fasciculatum</i>				
alone	40 lbs	0.9 lb	M-L	
in mixture	10 lbs	0.2 lb	P	137,000 seed per pound. Quick dense cover. Will provide excessive competition in mixtures if seeded at high rate.
			C	

Species	Broadcast Rates	Resource Area <sup>a</sup>	Planting Dates by Resource Area	Remarks
	Pure Live Seed (PLS) Per 1000 sqft Rate Per Acre <sup>2</sup>		Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates. J F M A M J J A S O N D	
TRITICALE <i>X-Triticosecale</i>				
alone	3 bu. (144 lbs)	3.3 lbs	C	
in mixture	1/2 bu. (24 lbs)	0.6 lb		Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
WHEAT <i>Triticum aestivum</i>				
alone	3 bu. (180 lbs)	4.1 lbs	M-L	
in mixture	1/2 bu. (30 lbs)	0.7 lb	P	15,000 seed per pound. Winter hardy.
			C	

<sup>1</sup>Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily  
<sup>2</sup>Reduce seeding rates by 50% when drilled.

<sup>a</sup>M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs

P represents the Southern Piedmont MLRA

C represents Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs

(see Figure 6-4.1, p. 6-40)

Ds2

## Disturbed Area Stabilization (With Temporary Seeding)

Ds2



### 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 tilth, 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. If an area is expected to be undisturbed for longer than six months, permanent perennial vegetation shall be used. If optimum planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to six months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface. Refer to specification Ds1-Disturbed Area Stabilization (With Temporary Seeding).

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Ds2

Ds2

## GEORGIA Major Land Resource Areas

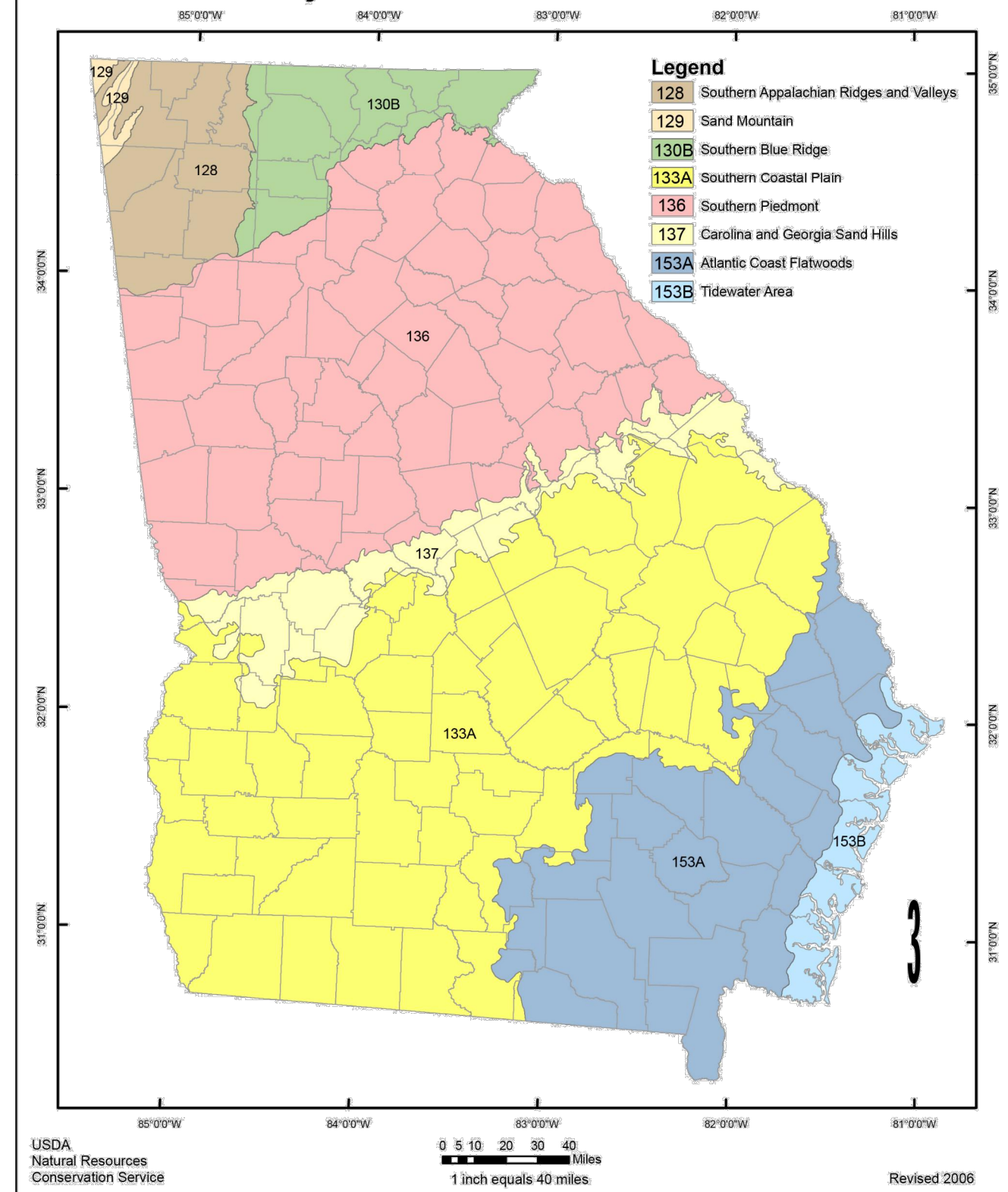


Figure 6-4.1

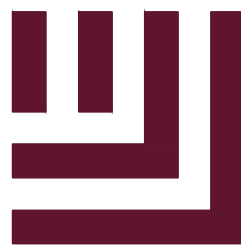
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ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT DAWSON COUNTY ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



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STRICKLAND BROTHERS OIL  
CHANGE - DAWSONVILLE  
SITE PLAN SUBMITTAL  
HIGHWAY 53, NORTHWEST OF ITS  
INTERSECTION WITH CENTER LANE  
DAWSONVILLE, GA 30534

GSWCC CERTIFICATION #: 94146



### REVISIONS

NO.	DATE	REVISION DESCRIPTION
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-

### PLAN INFORMATION

PROJECT NO. NTR21002

FILENAME NTR21002-ESPC

CHECKED BY LAM

DRAWN BY AP

SCALE N/A

DATE 12.15.2021

### SHEET

EROSION CONTROL  
DETAILS

C6.02