

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

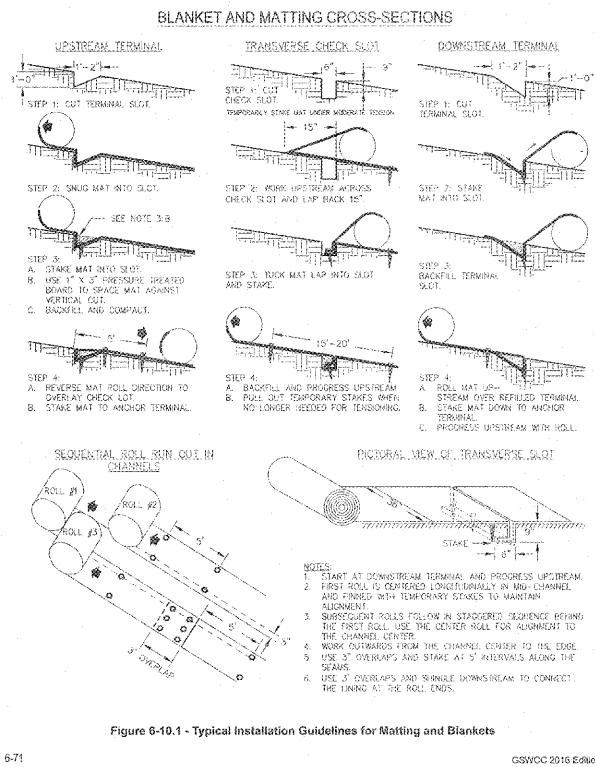


Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets

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CURB INLET FILTER "PIGS IN BLANKET"

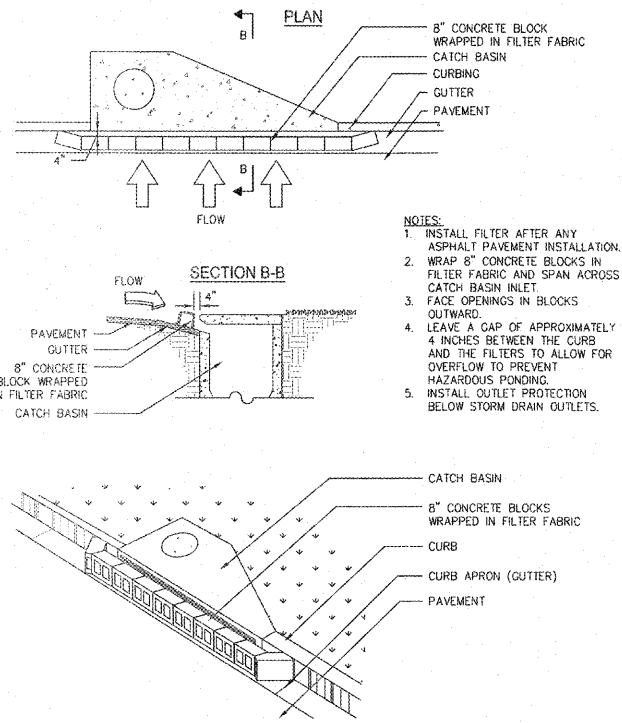


Figure 6-28.6 Curb Inlet Filter "Pigs in Blanket"

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TYPICAL STRAW BALE CHECK DAM

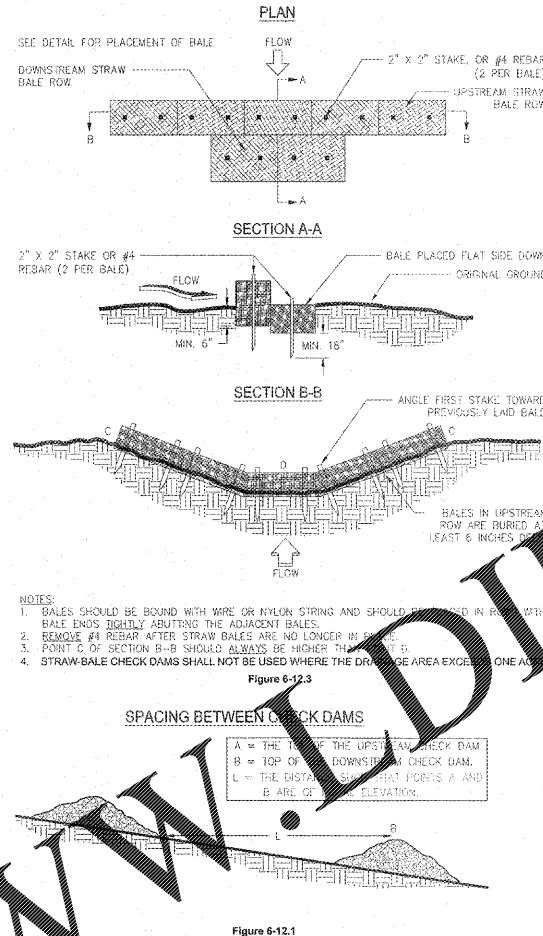


Figure 6-12.3

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INITIAL PHASE - SHEET C-2.0

- CONTRACTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE APPROPRIATE CITY OFFICIALS PRIOR TO ANY LAND DISTURBING ACTIVITY.
- LIMIT DISTURBED AREAS TO ONLY THE AREA NECESSARY TO INSTALL THE FOLLOWING: CONSTRUCTION EXIT, WASHOUT AREA, PERIMETER SILT FENCE, TREE PROTECTION FENCE, INLET PROTECTION BMPs, TEMPORARY SEDIMENT TRAP AND DIVERSIONS AS SHOWN ON THE SHEET C-2.0.
- PROVIDE NOTICE TO DESIGN ENGINEER THAT THE INITIAL BMPs ARE READY TO BE INSPECTED. BEGIN INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURES.
- BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND ONLY IN AREAS WHERE CONSTRUCTION IS PLANNED TO COMMENCE WITHIN 15 DAYS AFTER CLEARING AND GRUBBING. CONTRACTOR TO UTILIZE EXISTING PARKING AREAS DURING INITIAL PHASE AS PRACTICAL TO MINIMIZE THE AMOUNT OF EXPOSED SOIL.

INTERMEDIATE PHASE - SHEET C-2.1

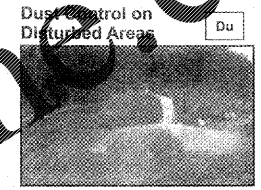
- TEMPORARY SEDIMENT TRAP (S4) SHALL REMAIN AS LONG AS PRACTICAL. CONTRACTOR TO MODIFY ELEVATION AS NECESSARY DURING WALL CONSTRUCTION.
- BEGIN CUT/FILL/RETAINING WALL CONSTRUCTION ON SITE TO BRING SITE TO SURGRADE AND STABILIZE ANY SLOPES WITH TEMPORARY MATTING MULCH AND/OR GRASSING. POLYACRYLAMIDE AS PROPOSED GRASSING IS ACHIEVED.
- INSTALL INLET/OUTLET PROTECTION AND EXCAVATED INLET SEDIMENT TRAPS CONCURRENT WITH THE INSTALLATION OF ANY DROP INLETS, CURB INLETS, CATCH BASIN, HEADWALLS AND PIPES.

FINAL PHASE - SHEET C-2.2

- COMPLETE FINE GRADING TO FINALIZE PAVEMENT SUB-GRADE PREPARATION.
- CONSTRUCT ALL SIDEWALKS, CURB, GUTTER AND STORM INLET TOPS AS SHOWN ON THE GRADING PLAN. CONVERT SEDIMENT TRAPS TO INLET PROTECTION AS SOIL EXPOSURE IS REDUCED WITH PAVING AND LANDSCAPING ACTIVITIES AS BASE COURSE IS BEING INSTALLED.
- INSTALL ASPHALT BINDER AND CONCRETE PAVEMENT. REMOVE CONSTRUCTION EXITS TO PAVEMENT INSTALLATION IN THESE AREAS (AREA OF CONSTRUCTION EXIT SHOULD BE PAVED LAST).
- INSTALL FINAL SEEDING AND/OR SODDING AND PLANTING PER THE FINAL PHASE PLAN AND THE LANDSCAPE PLAN.
- INSPECT AND CLEAN STORM DRAINAGE SYSTEM INCLUDING THE UNDERDRAIN AND DETENTION CISTERN.
- UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF FINAL PAVEMENT, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES (PERIMETER SILT-FENCE AND INLET PROTECTION MEASURES), ENSURE THAT THE SITE HAS BEEN PROPERLY STABILIZED PER THE PERMIT REQUIREMENTS AND IS AN NOT TO THE BENEFIT OF THE OWNER/DEVELOPER.

PHASING DETAIL

NOT TO SCALE



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, straw 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 most 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.

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 objectionable 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 materials. 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 mud 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

STONE CHECK DAM - (Cd-S)

NOT TO SCALE

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

1. cfs in the channel/ditch that the check dam is being used in: _____

2. Above 2.0 cfs: Yes _____ No _____

3. If Yes, list BMP being used in conjunction with check dams: _____

REFER TO SHEET C-2.1 FOR CALCULATIONS.

CERTIFICATION STATEMENT

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."

I CERTIFY UNDER PENALTY OF THE LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT UNDER MY SUPERVISION."

UPON THE INSTALLATION OF THE PHASE 1 EROSION CONTROL MEASURES, I WILL VISIT THE SITE TO PERFORM THE INSPECTION CERTIFICATION WITHIN 7 DAYS, ONCE NOTIFIED BY THE CONTRACTOR.

Mark S. LeCraw
Georgia Licensed Professional (SIGN) 11/28/18 DATE

Mark S. LeCraw
Georgia Licensed Professional (PRINT)

030828
GEORGIA PE# _____

000006928
GEORGIA EROSION CONTROL LEVEL 2 CERTIFICATION 3

EROSION CONTROL CERTIFICATION

NOT TO SCALE

FRAME & FILTER DISCHARGE ANALYSIS

HEAD PTE. ELEVATION (FT)	OPENING AREA (SQ FT)	FRAME AREA (SQ FT)	FILTER AREA (SQ FT)	FILTERED FLOW (CFS)
2.0	0.39	19	17	2.0
1.5	0.78	41	34	4.0
1.0	1.56	82	68	8.0
0.5	3.12	164	136	16.0

NOTE: DUE TO WINDROW BUILD-UP, A TRANSITION WALL WILL OCCUR BETWEEN HEADS AND OPENING CONDITIONS. GROSS FLOW WILL PROVIDE A MORE CONSERVATIVE ESTIMATE OF FLOW, THEREFORE THE LOSSES OF THE OPENING AND HEAD FLOW WILL BE USED FOR EACH STAGE.

FILTER MATERIAL: ALLOWS 150 GPH/FT OR 0.34 GPM/INCH

FRAME MATERIAL: BLACK 9.25" HDMP

FILTER FABRIC MATERIAL: REFER TO SPEC

SCALE: NOT TO SCALE

LAST UPDATED: APRIL 2010

ROUND FRAME & FILTER ASSEMBLY Model # R-100A

SILT SAVER, INC. 1006 CALLEPPER DRIVE, COVINGTON, GA 30004 PHONE: (770) 388-7918 FAX: (770) 388-7940 TOLL FREE: 1-888-382-5817 (T-888) WWW.SILTSAVER.COM

SLOPE STABILIZATION (Ss)

NOT TO SCALE

Disturbed Area Stabilization (With Mulching Only) Ds1

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 conserve moisture
- To prevent surface compaction or crusting
- To control undesirable vegetation
- To modify soil temperature
- To increase biological activity in the soil

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, anchored and have a continuous 90% cover or greater of the soil surface.

Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months.

If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to Ds2 - Disturbed Area Stabilization (With Temporary Seeding), Ds3 - Disturbed Area Stabilization (With Permanent Seeding), and Ds4 - Disturbed Area Stabilization (With Sodding).

SPECIFICATIONS

Mulching Without Seeding

This standard applies to graded or cleared areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

- Grade to permit the use of equipment for applying and anchoring mulch.
- Install needed 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

Select one of the following materials and apply at the depth indicated.

- Dry straw or hay shall be applied at a depth of 2 to 4 inches providing uniform soil coverage. One advantage of this material is application.
- Wood chips, sawdust, or bark shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
- Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

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.
- If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
- Apply polyethylene film on exposed areas immediately after application.

Anchoring Mulch

- Straw or hay mulch shall be pressed into the soil with a disk harrow with the disk set straight to create a special "packing" disk". Disks should be smooth or serrated and should be 2 1/2 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored in place immediately after application.
- Netting of 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.
- Polyethylene film shall be anchored trenched at the top as well as incrementally as necessary.

SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPABILITY AND EASE OF MAINTENANCE ARE DESIRABLE.

EXCAVATED INLET SEDIMENT TRAP TO BE USED IN CONJUNCTION WITH SILT SAVER

PROVIDE MINIMUM 35 C.Y. JAC STORAGE OR CONFORM TO LOCAL REQUIREMENT

PLAN VIEW

ELEVATION VIEW

NOTES:

- PLACE GEOTEXTILE
- WEEP HOLES FOR DEWATERING
- LARGER PARTICLES SETTLE OUT
- STORM WATER WITH LARGE PARTICLES REMOVED
- SEEDING AS REQUIRED
- DEPTH BELOW TOP OF INLET: MIN 1'-MAX 2'
- MAX. SLOPE 2:1
- DRAIN INLET

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INLET SEDIMENT TRAP - (SD2-P)

NOT TO SCALE

Excavated Inlet Sediment Trap (Sd2-Excavated)

NOT TO SCALE

INLET SEDIMENT TRAP (Sd2-Ss)

NOT TO SCALE

Disturbed Area Stabilization (Ds1)

NOT TO SCALE

Disturbed Area Stabilization (Ds1)

NOT TO SCALE

LECRAW ENGINEERING

PREPARED BY THE OFFICE OF

3475 CORNWELL AVE. WY.

DULUTH, GA 30096

PHONE - 678.548.8100

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NO.	REVISION	DATE	BY	CHKD
1	REVISION			
2	REVISION			
3	REVISION			
4	REVISION			
5	REVISION			
6	REVISION			

CLIENT

CHRISTIAN BROTHERS AUTOMOTIVE

17725 KATY FREEWAY - SUITE 200 - HOUSTON, TX 77084

PROJECT

CHRISTIAN BROTHERS AUTOMOTIVE - NORCROSS

5650 PEACHTREE INDUSTRIAL BLVD

LAND LOT 272, DISTRICT 6, PARCEL 6272.327

NORCROSS, GWINNETT COUNTY, GA

SCALE:

DESIGN TEAM:

DRAWN BY: TDD

DESIGNED BY: TDD

REVIEWED BY: MSL

811

Know what's below. Call before you dig.

DETAILS ARE NOT DRAWN TO SCALE

JOB # 199208

DATE 09/18/2018

EROSION CONTROL DETAILS - 2

6/21

GWINNETT COUNTY PROJECT # CDP2018-00206

C-2.5