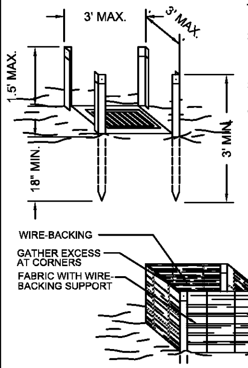
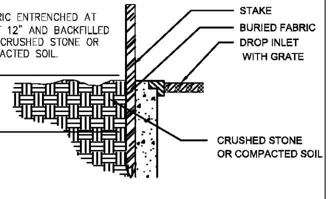
STEEL FRAME AND SILT FENCE INSTALLATION



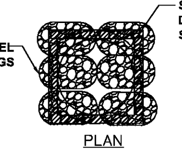
NOTES
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.



NOT TO SCALE

INLET SEDIMENT TRAP - TYPE F

Sd2-F



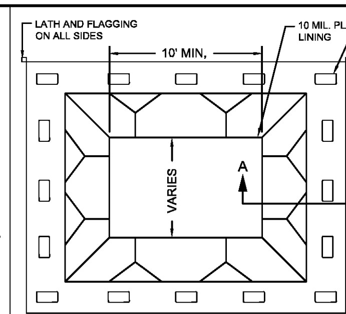
NOTE:

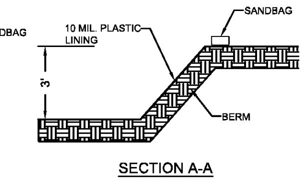
CONTRACTOR IS TO PLACE BURLAP BAGS FILLED WITH GRAVEL AND PEA STONE ON TOP OF EXISTING STRUCTURE. ALL OPEN HOLES SHALL BE COVERED. THIS WILL ENSURE THAT SEDIMENT AND OTHER DEBRIS DOES NOT ENTER THE EXISTING STORM SEWER SYSTEM YET ALLOW WATER TO PASS THROUGH.

NOT TO SCALE

INLET SEDIMENT TRAP - GRAVEL BAG

Sd2-Bg



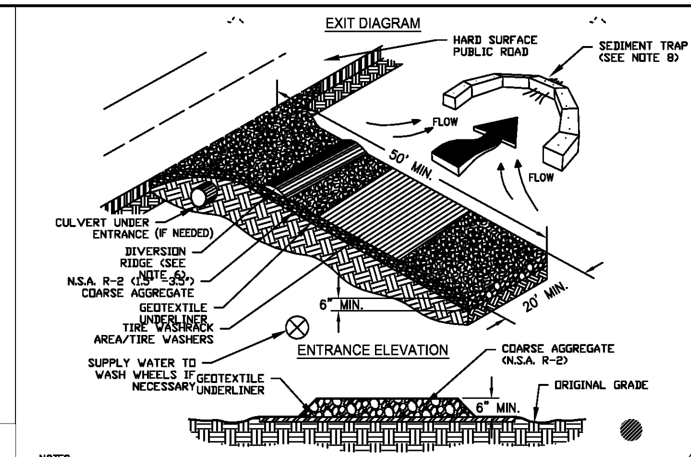


NOTES:
1. THE CONTRACTOR MUST PROVIDE A DESIGNATED AREA FOR CONCRETE WASH-DOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF THE VEHICLES. THIS AREA MUST HAVE A CONCRETE WASHOUT FACILITY AND SHALL BE CONSTRUCTED TO THE DETAIL SHOWN BELOW.
2. THE CONCRETE WASHOUT FACILITY SHALL BE LOCATED A MINIMUM OF 50 FT FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
3. WASHOUT DISCHARGE FROM THE CLEANING OF CONCRETE TRUCKS, TOOLS AND OTHER EQUIPMENT SHALL NOT BE DISCHARGED INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
4. EXCESS CONCRETE SHALL BE DISPOSED OF ON SITE. ALL EXCESS CONCRETE SHALL BE TRANSPORTED OFF-SITE AND DISPOSED OF PROPERTY.
5. IT IS PROHIBITED TO WASH OUT THE MIXING DRUM OF CONCRETE TRUCKS ON-SITE.

NOT TO SCALE

CONCRETE WASHDOWN DETAIL

CWA



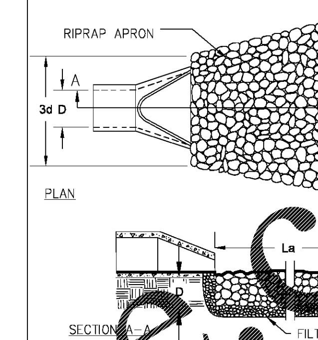
NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

NOT TO SCALE

CONSTRUCTION EXIT DETAIL

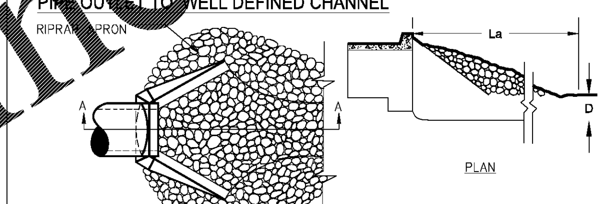
Co

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

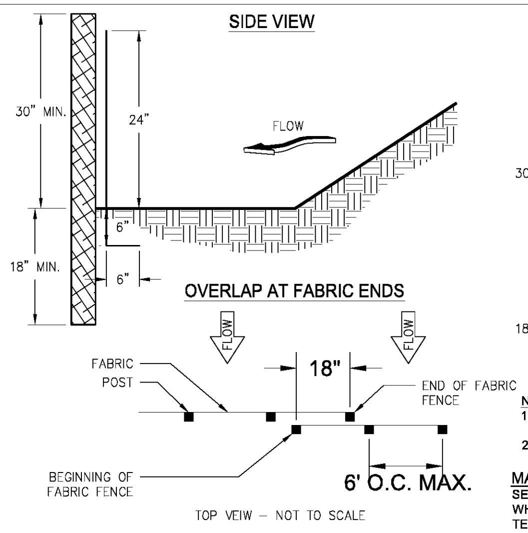
PIPE OUTLET TO WELL DEFINED CHANNEL

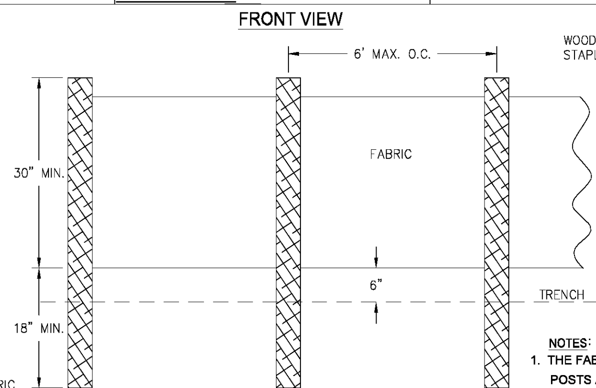


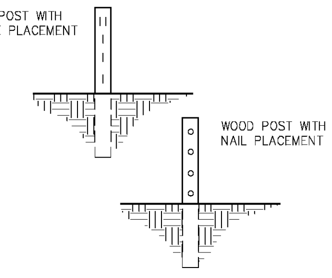
NOT TO SCALE

OUTLET PROTECTION

St







NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN.
2. HEIGHT (28") IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

MAINTENANCE NOTE:
SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS). TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

NOT TO SCALE

SILT FENCE-NON SENSITIVE AND FASTENERS FOR SILT FENCES

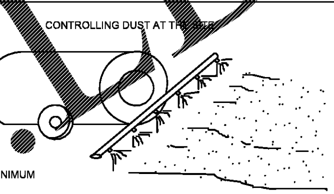
Sd1-NS

MAINTENANCE NOTE:
PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING
SUPPLEMENT SURFACE COVERING AS NEEDED

*TEMPORARY METHODS:
- -MULCHES
- -TEMPORARY VEGETATIVE COVER
- -SPRAY ON ADHESIVES
- -TELLAGE
- -IRRIGATION
- -BARRIERS
- -CALCIUM CHLORIDE

PERMANENT METHODS
- PERMANENT VEGETATION
- TOPSOILING
- STONE COVER

A WATER TRUCK SHALL BE USED TO KEEP DUST DOWN TO A MINIMUM



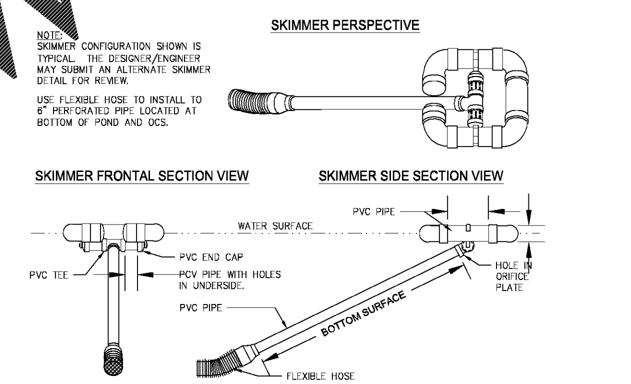
NOT TO SCALE

DUST CONTROL ON DISTURBED AREA

Du

NOTE:
SKIMMER CONFIGURATION SHOWN IS TYPICAL. THE DESIGNER/ENGINEER MAY SUBMIT AN ALTERNATE SKIMMER DETAIL FOR REVIEW.

USE FLEXIBLE HOSE TO INSTALL TO 6" PERFORATED PIPE LOCATED AT BOTTOM OF POND AND OCS.



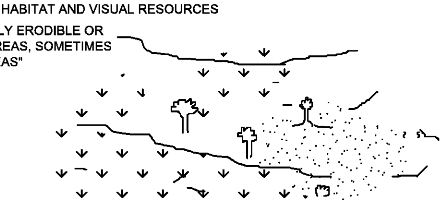
NOT TO SCALE

SKIMMER

Sk

ESTABLISHING A PERMANENT VEGETATIVE COVER AS A DISTURBED AREA. -TO STABILIZE THE SOIL
-TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS
-TO IMPROVE WILDLIFE HABITAT AND VISUAL RESOURCES

*APPLICABLE ON HIGHLY ERODIBLE OR SEVERELY ERODED AREAS, SOMETIMES CALLED "CRITICAL AREAS"
INCLUDING:
- -CUT OR FILL SLOPES
- -EARTH SPILLWAYS
- -BORROW AREAS
- -CHANNEL BANKS
- -BERMS
- -ROADSIDES
- -SPOILS AREAS
- -GULLIED LANDS



*GRADING AND SHAPING REQUIRED WHERE FEASIBLE PRACTICAL
*SEEDED PREPARATION
-NOT REQUIRED IF USING HYDRAULIC SEEDING AND FERTILIZING
-WHEN REQUIRED:

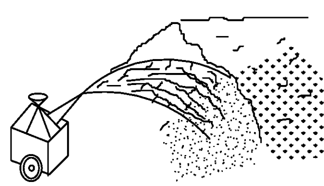
SLOPE	SEEDBED
3:1 OR FLATTER	4" DEEP ≥
2:1 TO 3:1	1" TO 4" DEEP
2:1 OR STEEPER	DEPRESSION EVERY 6"-8" WITH HAND TOOL

*HAVE SOIL ANALYZED FOR LIME AND FERTILIZER RATE
*MULCH ALL SLOPES STEEPER THAN 3% AND IN BOTTOM OF SPILLWAYS AND ON ROADBANKS
*ANCHOR MULCH IMMEDIATELY

NOT TO SCALE

DISTURBED AREA STABILIZATION WITH PERMANENT SEED

Ds3



* 12 MONTHS OR UNTIL ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATION
* SITE PREPARATION
- -GRADING AND SHAPING
- -SEEDBED PREPARATION
- -APPLY LIME AND FERTILIZER
- -PLANT SEEDING, SELECT SPECIES BY SEASON AND REGION
- -APPLY MULCHING MATERIAL IF NEEDED
- -IRRIGATE IF NEEDED BUT NOT AT RATE TO CAUSE EROSION

*PLANTING DATES DEPEND ON SPECIES AND REGION (MOUNTAIN, PIEDMONT OR COASTAL)

ESTABLISHING TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED OR DENUDED AREAS.

SEEDING RATES FOR TEMPORARY SEEDINGS

SPECIES	RATE PER 1,0000 SQ. FT.	RATE PER ACRESñ	PLANTING DATESò MTS-L'STONE	PIEDMONT	COASTAL
RYEGRASS	0.9 POUNDS	40-50 LBS.	8/1-12/1	8/15-1/1	8/15-3/1
ANNUAL LESPEDEZA	0.9 POUNDS	40 LBS.	3/1-4/1	3/1-4/1	2/1-3/1
WEEPING LOVEGRASS	0.1 POUNDS	4-6 LBS.	3/15-8/1	3/1-8/15	2/15-8/15

ñ UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
ò SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE

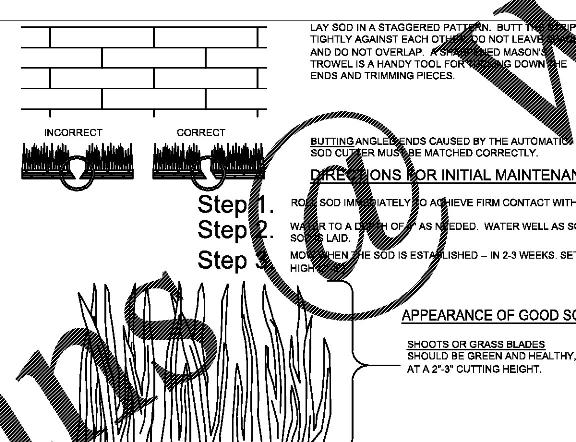
* ALL SEEDING NUMBERS ARE ALONE FOR MIXTURE NUMBER SEE MANUAL FOR EROSION AND SEDIMENT TABLE 6-24.1 PAGES 6-134 - 6-136.

VARIATIONS AND LOCAL CONDITIONS.

Ds2

NOT TO SCALE

DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING



LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

BUTTING ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

DIRECTIONS FOR INITIAL MAINTENANCE

Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

Step 3. MOW WHEN THE SOD IS ESTABLISHED – IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

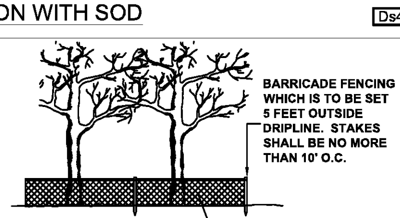
APPEARANCE OF GOOD SOD

SHOOTS OR GRASS BLADES
SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"-3" CUTTING HEIGHT.

NOT TO SCALE

DISTURBED AREA STABILIZATION WITH SOD

Ds4



TREE PROTECTION NOTES:

NO CONSTRUCTION EQUIPMENT, PERSONAL VEHICLES, SITE DEBRIS OR WASTE MATERIAL SHALL BE STORED IN THE TREE PROTECTION ZONE. CONTRACTOR WILL BE LIABLE FOR FINES FROM THE EPD.

PROVIDE A 4" DEEP MULCH OVER UNPROTECTED TREE ROOTS WITHIN THE BARRICADE AREA. MULCH MAY BE SHREDDED OR CHIPPED MATERIALS FROM TREE REMOVAL OPERATIONS.

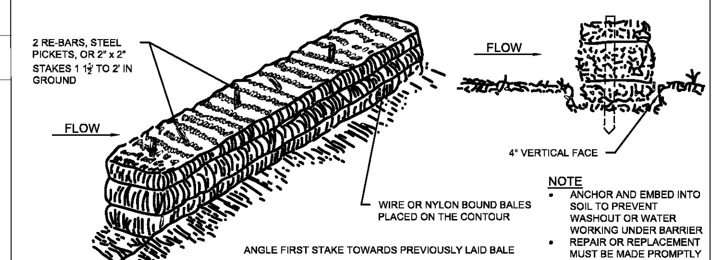
MAKE CLEAN CUTS ON ROOTS EXPOSED BY GRADING AND BACKFILL IMMEDIATELY.

PROVIDE TEMPORARY IRRIGATION WHEN PRACTICAL AND FEASIBLE.

CONTRACTOR IS TO CONTACT THE CITY FORESTER PRIOR TO BEGINNING CONSTRUCTION TO ASCERTAIN THAT THE TREE FENCING IS INSTALLED PROPERLY TO PROTECT THE TREES THAT ARE SLATED TO BE SAVED AS SHOWN ON THE PLANS. THE CONTRACTOR WILL BE LIABLE FOR THE TDU REPLACEMENT VALUE OF ANY TREES THAT HAVE BEEN BREACHED DUE TO CONSTRUCTION AS PER THE CITY FORESTER SITE INSPECTIONS.

TREE PROTECTION FENCING

Tf



NOTE
- ANCHOR AND EMBED INTO SOIL TO PREVENT WASHOUT OR WATER WORKING UNDER BARRIER
- REPAIR OR REPLACEMENT MUST BE MADE PROMPTLY AS NEEDED

NOT TO SCALE

SEDIMENT BARRIER HAY OR STRAW BALES

Sd1-hb

MULCHING APPLICATION REQUIREMENTS

MATERIAL	RATE	DEPTH
STRAW OR HAY	–	2" TO 4"
WOOD WASTE, CHIPS, SAWDUST, BARK	–	2" TO 3"
POLYETHLENE FILM	SECURE WITH SOIL, ANCHORS, WEIGHTS	–
GEOTEXILES, JUTE MATTING, NETTING, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS	

MAINTENANCE NOTE:
ADD MULCH AS NEEDED TO MAINTAIN THE SUGGESTED DEPTH IF ORGANIC MULCH IS TO BE LEFT AND INCORPORATED INTO THE SOIL, APPLY 20-30 POUNDS OF NITROGEN IN ADDITION TO THE FERTILIZER REQUIRED FOR VEGETATION.

NOTES:
TO REDUCE DUST, RUNOFF, EROSION AND SEDIMENTATION. TO CONSERVE MOISTURE AND PREVENT SURFACE COMPACTION AND CRUSTING AND CONTROL UNDESIRABLE VEGETATION.

THE CONTRACTOR IS TO APPLY STRAW OR HAY UNIFORMLY AS SHOWN BY THE TABLE BELOW BY HAND OR MECHANICAL EQUIPMENT AND ANCHOR BY PRESSING INTO THE SOIL OR USING NETTING.

THIS IS A TEMPORARY MEASURE OF COVER APPLIED TO THE SOIL SURFACE FOR A PERIOD OF SIX (6) MONTHS OR LESS WHEN SEEDING IS NOT PRACTICAL.

MULCH ON SLOPES GREATER THAN 3% SHOULD BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1) OR OTHER SUITABLE TACKIFIER.

WOOD WASTE ON SLOPES GREATER THAN 3:1 DO NOT NEED ANCHORING.

MULCH SHOULD BE APPLIED TO ALL DISTURBED AREAS LEFT INACTIVE FOR FOURTEEN DAYS.

NOT TO SCALE

DISTURBED AREA STABILIZATION WITH MULCHING

Ds1

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DOLLAR TREE

COLUMBUS, GA

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