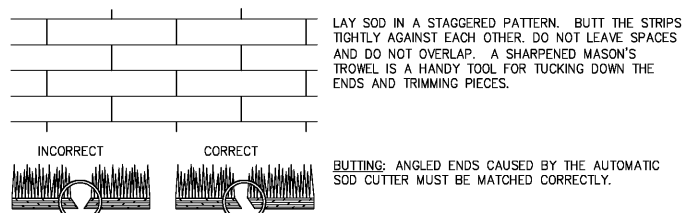


## SOD MAINTENANCE AND INSTALLATION

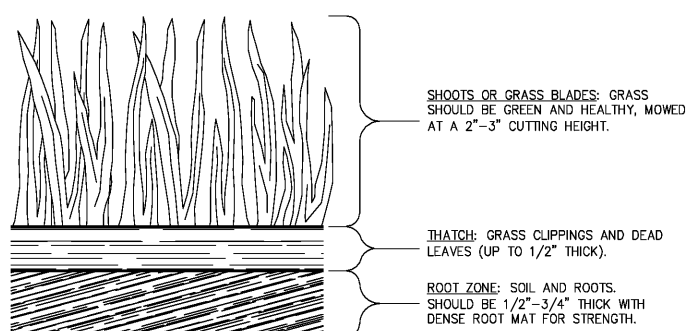
### SOD LAYOUT AND PREPARATION



### DIRECTIONS FOR INITIAL MAINTENANCE

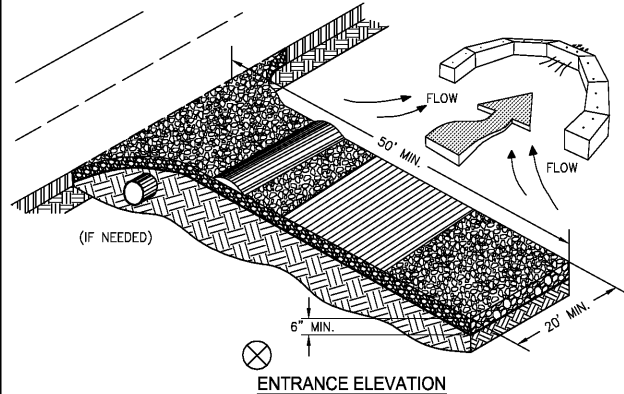
- Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL
- Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.
- Step 3. MOW WHEN THE SOD IS ESTABLISHED --- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

### APPEARANCE OF GOOD SOD

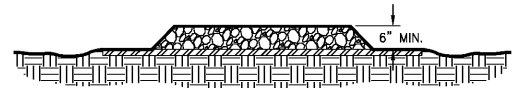


## CRUSHED STONE CONSTRUCTION EXIT

### EXIT DIAGRAM

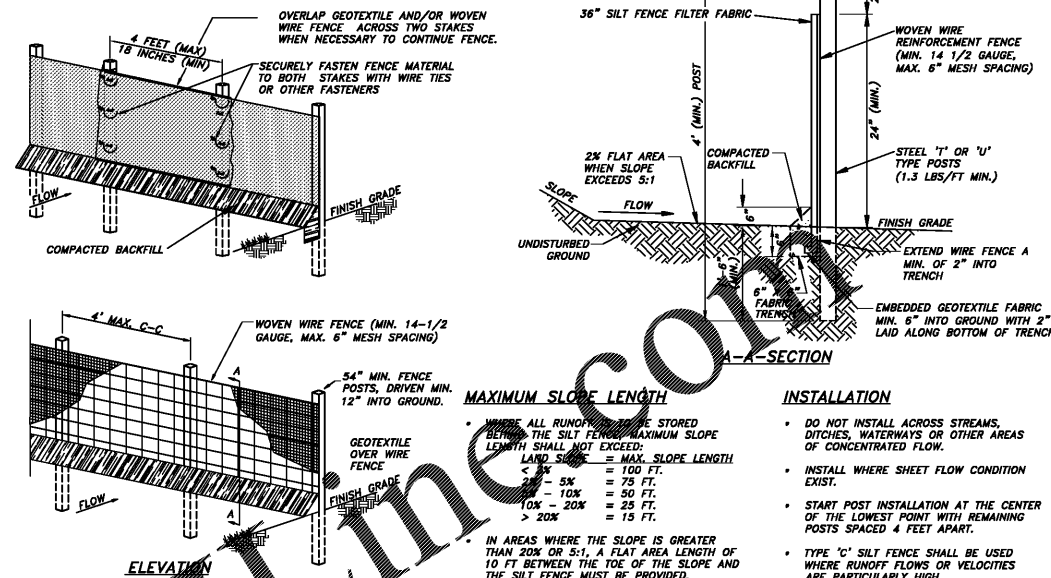


### ENTRANCE ELEVATION



- 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 CIRCUMSTANCES. 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 FEATURES USED TO TRAP SEDIMENT.

## 1/4 ACRE PER 100-LF MAX DRAINAGE AREA



**MAXIMUM SLOPE LENGTH**

LAND SLOPE	MAX. SLOPE LENGTH
< 5%	= 100 FT.
5% - 10%	= 75 FT.
10% - 20%	= 50 FT.
> 20%	= 25 FT.

**INSTALLATION**

- DO NOT INSTALL ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.
- INSTALL WHERE SHEET FLOW CONDITION EXIST.
- START POST INSTALLATION AT THE CENTER OF THE LOWEST POINT WITH REMAINING POSTS SPACED 4 FEET APART.
- TYPE 'C' SILT FENCE SHALL BE USED WHERE RUNOFF FLOWS OR VELOCITIES ARE PARTICULARLY HIGH.
- TYPE 'C' SILT FENCE SHALL BE USED WHERE SLOPES EXCEED A VERTICAL HEIGHT OF 10 FEET.
- TWO ROWS OF TYPE 'C' SILT FENCE MUST BE USED ALONG ALL STREAM BUFFERS.
- WOVEN WIRE REINFORCEMENT FENCE TO BE FASTENED TO STEEL POSTS WITH WIRE TIES OR APPROVED EQUAL AT TOP, MID AND BOTTOM.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE REINFORCEMENT FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

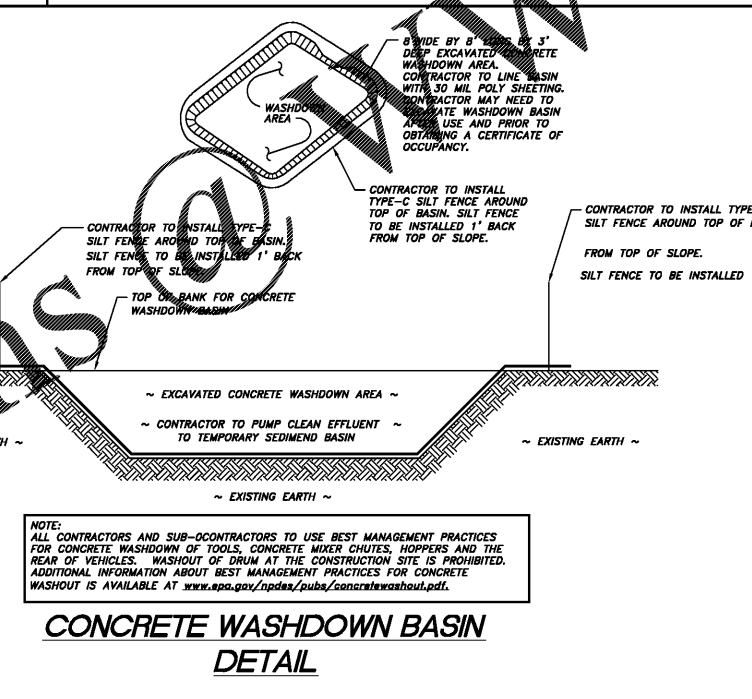
### MAINTENANCE

- SEDIMENT SHALL BE REMOVED IF IT HAS ACCUMULATED TO THE ORIGINAL HEIGHT OF THE BARRIER.
- FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DEGRADED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROX. 6 MONTHS), OR ANY TEARS OR HOLES ARE IN THE FABRIC.
- 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.

### SILT FENCE FILTER FABRIC

- UTILIZE DOT APPROVED FABRICS. COMMON EXAMPLES INCLUDE: MIRAFIT 150K, ALWOOD 1198, BELTECH 810, SI 915 SC, LING GTF 190
- UTILIZE FENCE FABRIC THAT MEETS THE FOLLOWING CRITERIA:
  - TENSILE STRENGTH PER ASTM D-4832 WITH WARP-260 AND FILL-180 (LBS. MIN.)
  - ELONGATION PER ASTM D-4832 OF 40% MAX
  - APPARENT OPENING SIZE (MAX. SIEVE SIZE) PER ASTM D-4751 OF #30
  - FLOW RATE OF 70 GAL/MIN/SQ.FT.
  - ULTRAVIOLET STABILITY OF 90 PER ASTM D-4832 AFTER 300 HOURS WEATHERING IN ACCORDANCE WITH ASTM D-4355
  - BURSTING STRENGTH OF 175 PSI MIN. PER ASTM D-3786

## SEDIMENT BARRIER - TYPE 'C' SILT FENCE



**NOTE:** ALL CONTRACTORS AND SUB-CONTRACTORS TO USE BEST MANAGEMENT PRACTICES FOR CONCRETE. WASHOUT OF DRUM AT THE CONSTRUCTION SITE IS PROHIBITED. ADDITIONAL INFORMATION ABOUT BEST MANAGEMENT PRACTICES FOR CONCRETE WASHOUT IS AVAILABLE AT [www.epa.gov/region7/pubs/cconcretewashout.pdf](http://www.epa.gov/region7/pubs/cconcretewashout.pdf).

## CONCRETE WASHDOWN BASIN DETAIL



**MULCHING APPLICATION REQUIREMENTS**

MATERIAL	RATE	DEPTH
STRAW OR HAY	2 1/2 TON/ACRE	2" TO 4"
WOOD WASTE, DWEL, SANDWAL, BARK	8 TO 8 TON/ACRE	2" TO 4"
CUTBACK ASPHALT	1500 GAL/ACRE OR 1/4 GAL/SQ. YD. OR SEE MANUFACTURER'S RECOMMENDATIONS	---
POLYETHYLENE FILM	ANCHOR WITH SOIL ANCHORS, WEIGHTS, NETTING, ETC.	---
SEVENTEEN, JUTE MATTING, NETTING, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS	---

**MAINTENANCE**

- ADD MULCH AS NEEDED TO MAINTAIN THE SUGGESTED DEPTH.
- ENSURE MINIMUM OF 80% COVERAGE OF ALL EXPOSED EARTH.
- IF ORGANIC MULCH IS TO BE LEFT AND INCORPORATED INTO THE SOIL, APPLY 20-30 POUNDS OF NITROGEN IN ADDITION TO THE FERTILIZER RECOMMENDED FOR VEGETATION.

**REVISIONS**

DATE	DESCRIPTION

**PROPOSED CONSTRUCTION PROJECT**  
40 US HIGHWAY 84, CAIRO, GEORGIA 39828  
PREPARED FOR:  
**HUDDLE HOUSE, INC.**  
LAND LOT 22, 18TH DISTRICT  
GRADY COUNTY, GEORGIA

MASS ENGINEERING AND CONSULTANTS, LLC  
3459 ACWORTH DUE WEST RD, SUITE 666  
ACWORTH, GEORGIA 30107  
PHONE: 404.650.7790  
WWW.MASS-ENG.COM  
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**MASS**  
ENGINEERING AND CONSULTANTS, LLC

REVISIONS

DATE	DESCRIPTION

PROJECT NUMBER: 19-0001  
DATE: January 28, 2019  
**C-13**

50 51 52

JEFFREY P. MASISAK, PE, CPESC  
65WCC LEVEL II CERTIFICATION NO. 0000001217  
EXPIRES: 05/05/2021



1 2019 EROSION CONTROL CHECKLIST ITEM