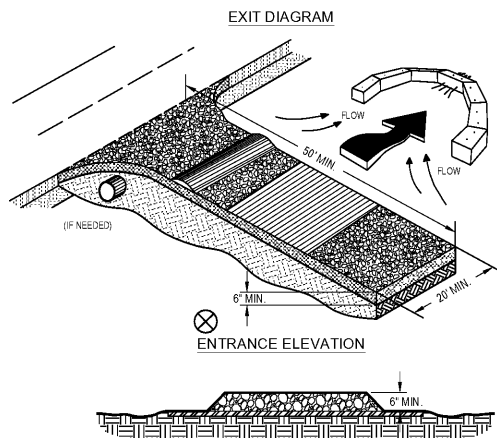


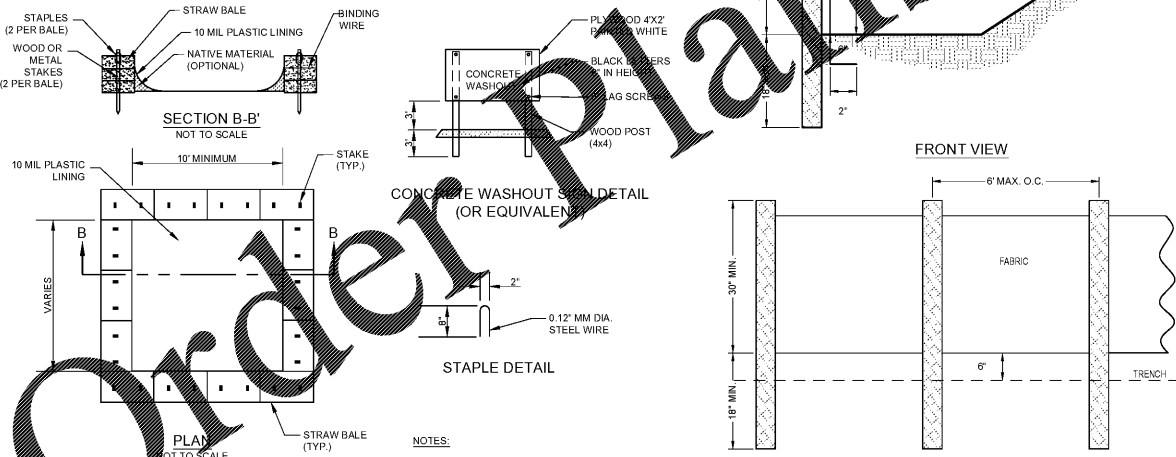
Cd-S STONE CHECK DAM
NOT TO SCALE



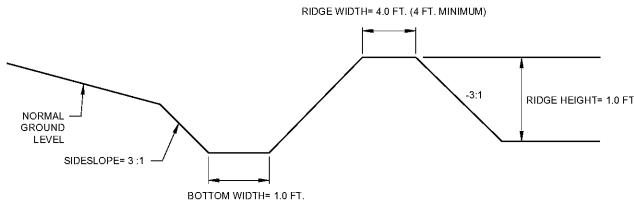
NOTES:

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 1/2" - 3 1/2" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 8".
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 (OVERT 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 REMOVES 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.

Co CRUSHED STONE CONSTRUCTION EXIT
NOT TO SCALE



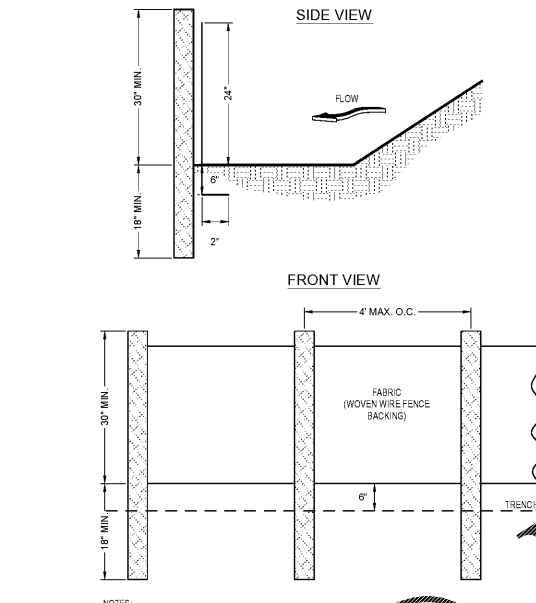
CW CONCRETE WASHOUT
NOT TO SCALE



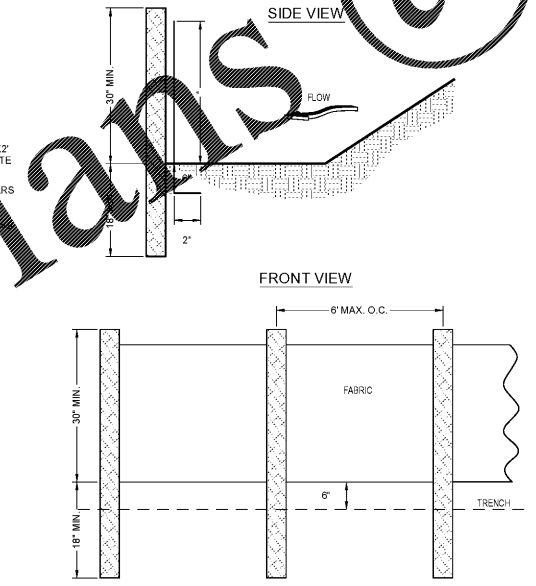
NOTES:

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.
2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. ALL FILLS SHALL BE MACHINE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED DIVERSION.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
5. DIVERSION CHANNEL SHALL BE STABILIZED IN ACCORDANCE WITH SPECIFICATION CH - CHANNEL STABILIZATION.

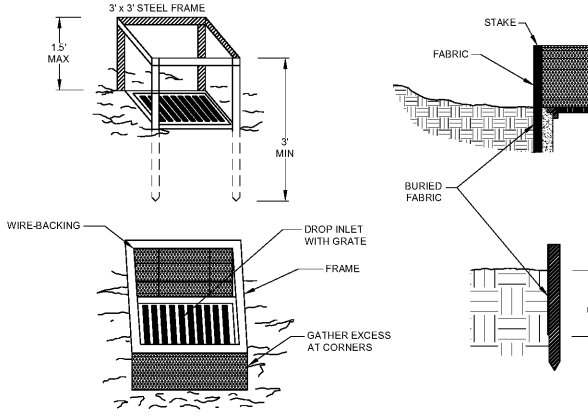
Di DIVERSION
NOT TO SCALE



Sd1-S SILT FENCE - TYPE SENSITIVE
NOT TO SCALE



Sd1-NS SILT FENCE - TYPE NONSENSITIVE
NOT TO SCALE

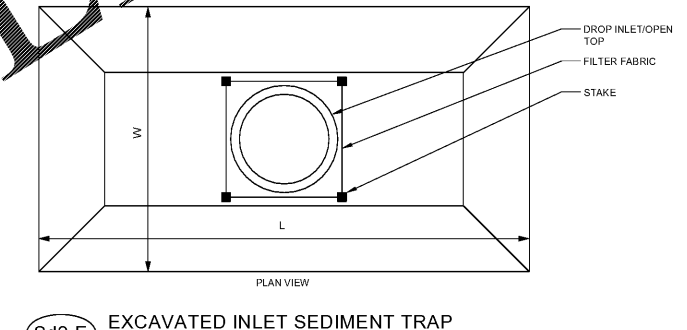
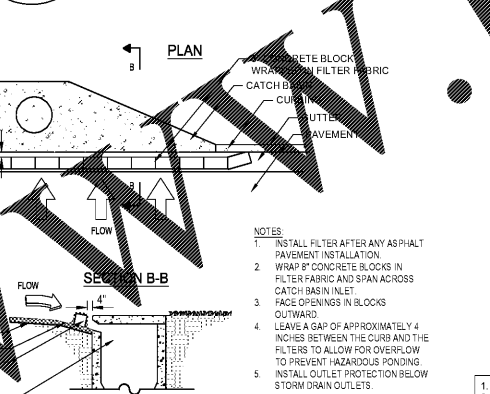


NOTES:

1. FOR STAKES, USE STEEL WITH A MINIMUM LENGTH OF 3 FEET.
2. SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET AT A MAXIMUM OF 3 FEET APART, AND SECURELY DRIVE THEM INTO THE GROUND, MINIMUM OF 18 INCHES DEEP.
3. TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2 X 4 INCH WOOD STRIPS AROUND THE CREST OF THE OVERFLOW AREA AT A MAXIMUM OF 1.5 FEET ABOVE THE DROP INLET CREST.
4. PLACE THE BOTTOM 12 INCHES OF THE FABRIC IN A TRENCH AND BACKFILL THE TRENCH WITH CRUSHED STONE OR COMPACTED SOIL.
5. FASTEN FABRIC SECURELY TO THE STAKES AND FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.
6. THE TOP OF THE FRAME AND FABRIC MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE FROM THE INLET TO KEEP RUNOFF FROM BYPASSING THE INLET. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON DOWN SLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.

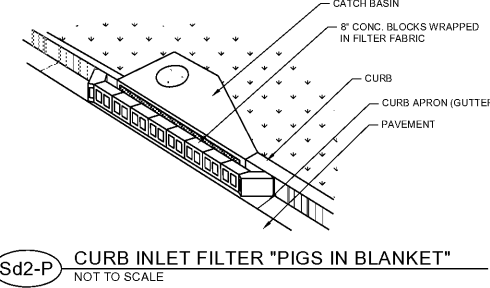
Sd2-F INLET SEDIMENT TRAP - FILTER FABRIC WITH SUPPORTING FRAME
NOT TO SCALE

Sd4-A TEMPORARY SEDIMENT TRAP
NOT TO SCALE

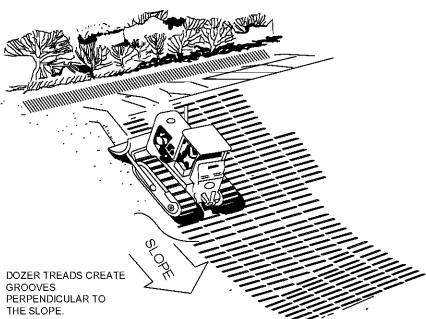


1. DRAINAGE AREA = 0.15 AC.
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA = 10.05 CY = 271 CF.
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 3 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1.
5. DETERMINE REQUIRED SURFACE AREA.
 $SA_{req} = \text{REQUIRED SEDIMENT STORAGE} / \text{EXCAVATION DEPTH}$
 $SA_{req} = 10.05 \text{ CY} / 3 \text{ FT} = 3.35 \text{ SF}$
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED).
SHAPE: RECTANGLE
DIMENSIONS: L = 28 FT, W = 14 FT.

Sd2-E EXCAVATED INLET SEDIMENT TRAP #102 CALCULATION
NOT TO SCALE



Sd2-P CURB INLET FILTER "PIGS IN BLANKET"
NOT TO SCALE



Su SURFACE ROUGHENING - WITH TRACKING
NOT TO SCALE

Sd2-E EXCAVATED INLET SEDIMENT TRAP #104 CALCULATION
NOT TO SCALE

1. DRAINAGE AREA = 0.29 AC.
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA = 19.43 CY = 529 CF.
3. ASSUME EXCAVATION DEPTH (MINIMUM OF 1.5 FT) = 3 FT.
4. ASSUME SLOPE OF SIDES (SHALL NOT BE STEEPER THAN 2:1) = 2:1.
5. DETERMINE REQUIRED SURFACE AREA.
 $SA_{req} = \text{REQUIRED SEDIMENT STORAGE} / \text{EXCAVATION DEPTH}$
 $SA_{req} = 19.43 \text{ CY} / 3 \text{ FT} = 6.48 \text{ SF}$
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS. (A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED).
SHAPE: RECTANGLE
DIMENSIONS: L = 28 FT, W = 14 FT.

Sd2-E EXCAVATED INLET SEDIMENT TRAP #106 CALCULATION
NOT TO SCALE

ENGINEER

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SEAL:

GEORGIA REGISTERED PROFESSIONAL ENGINEER
DAVID M. STONICKS
03/05/18

REVISIONS	DATE
JURISDICTIONAL COMMENTS	03-05-2018
PROJECT MANAGER:	DMS
DRAWING BY:	JAM
JURISDICTION:	ATHENS-CLARKE COUNTY, GA
DATE:	2017-11-01
SCALE:	AS SHOWN
TITLE:	

EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS

SHEET NUMBER: **C-4.6**

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 930.007

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