

23 High Street
Portsmouth, NH 03801
P: 603.431.8701
F: 603.422.8707

FINAL APPROVAL BY DURHAM PLANNING BOARD,
CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER.

MICHAEL BEHRENDT DATE

PROFESSIONAL ENGINEER FOR
ALLEN & MAJOR ASSOCIATES, INC.

APPLICANT/OWNER:
ORION UNH LLC
225 FRANKLIN STREET, 26TH FLOOR
BOSTON, MA 02110

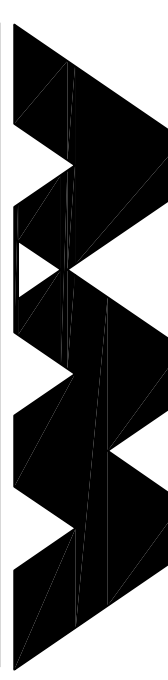
PROJECT:
ORION
STUDENT HOUSING
25/35 MAIN STREET
DURHAM, NEW HAMPSHIRE

PROJECT NO. 192501 DATE: 06-09-14

SCALE: 1" = 20' DWG. NAME: SWPPP

DRAFTED BY: SM CHECKED BY: RPC

PREPARED BY:

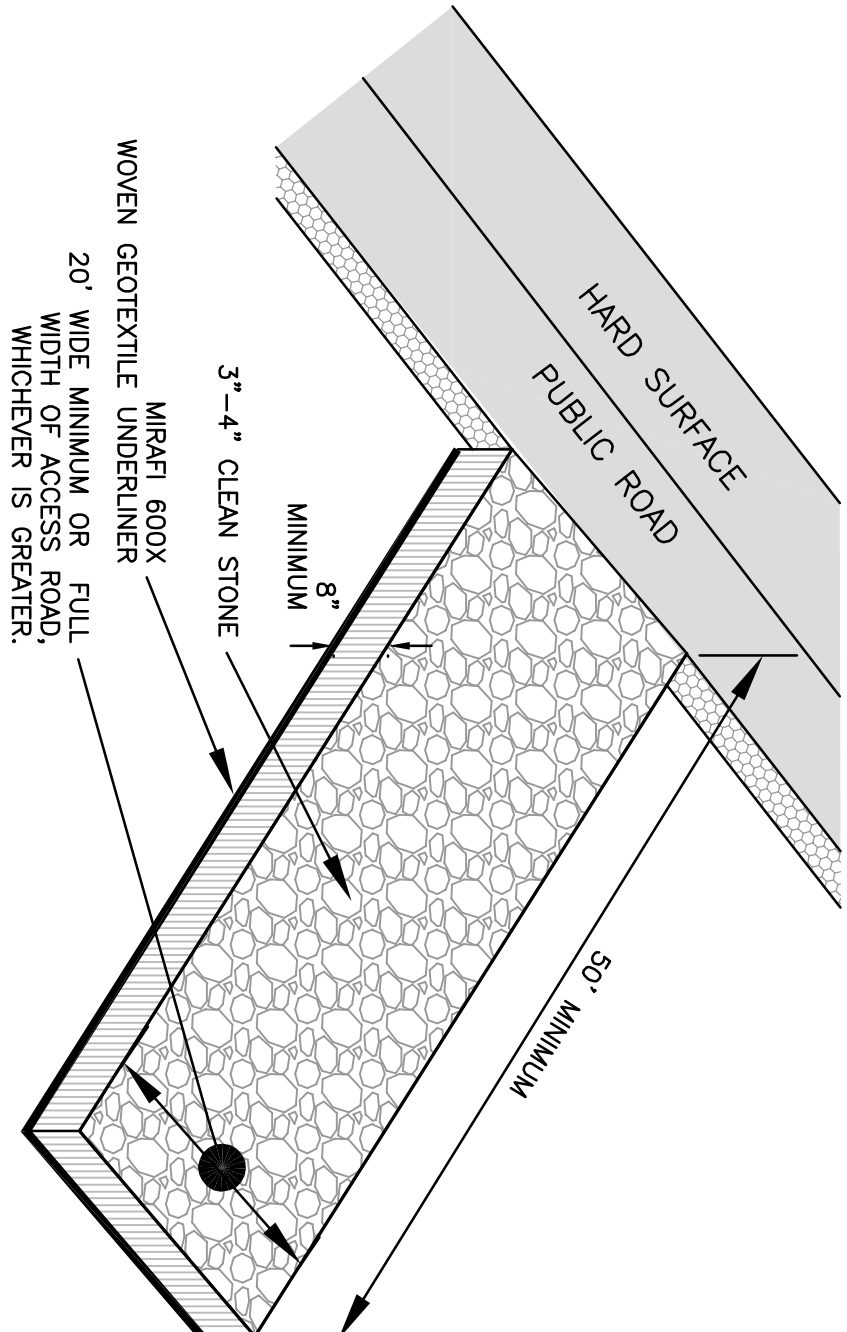


ALLEN & MAJOR
ASSOCIATES, INC.
civil & structural engineering • land surveying
environmental consulting • landscape architecture
www.allenmajor.com

250 COMMERCIAL STREET
MANCHESTER, NH 03101
TEL: (603) 627-5500
FAX: (603) 627-5501
WOBURN, MA • LAKEVILLE, MA • MANCHESTER, NH

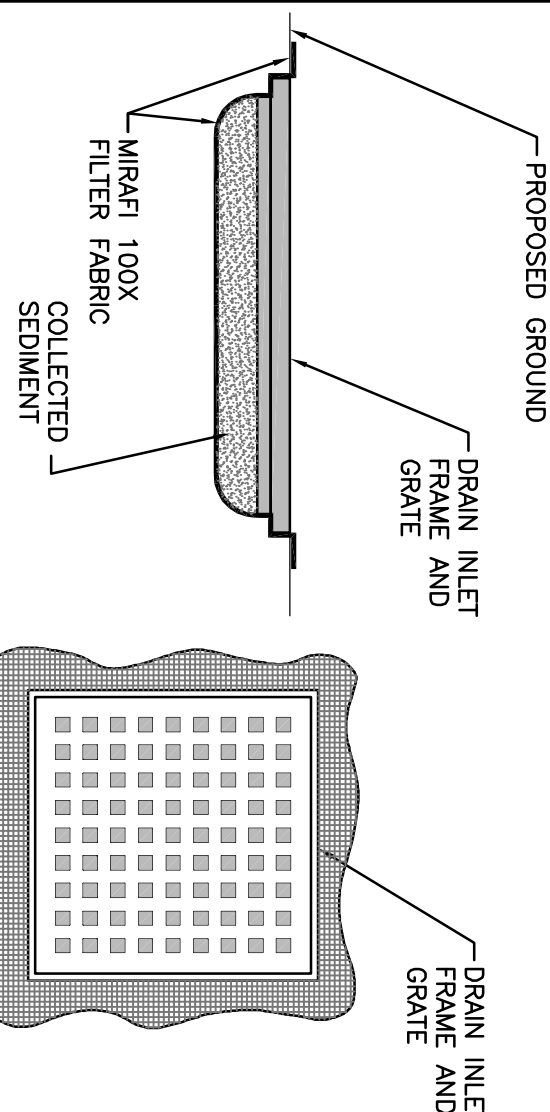
THIS DRAWING HAS BEEN PREPARED IN ELECTRONIC FORMAT.
CUTTING AND REVISIONS SHALL BE MADE BY THE USER.
PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS ON MAGNETIC
MEDIA FOR HIS/HER INFORMATION AND USE FOR SPECIFIC
APPLICATION TO THIS PROJECT. DUE TO THE POTENTIAL THAT THE
MAGNETIC INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR
DAMAGED, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL
MAGNETIC INFORMATION FROM THIS DRAWING. PRINTED REPRODUCTIONS OF THE DRAWINGS AND
SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF
ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.

DRAWING TITLE: STORMWATER POLLUTION
PREVENTION DETAILS SHEET NO. 3



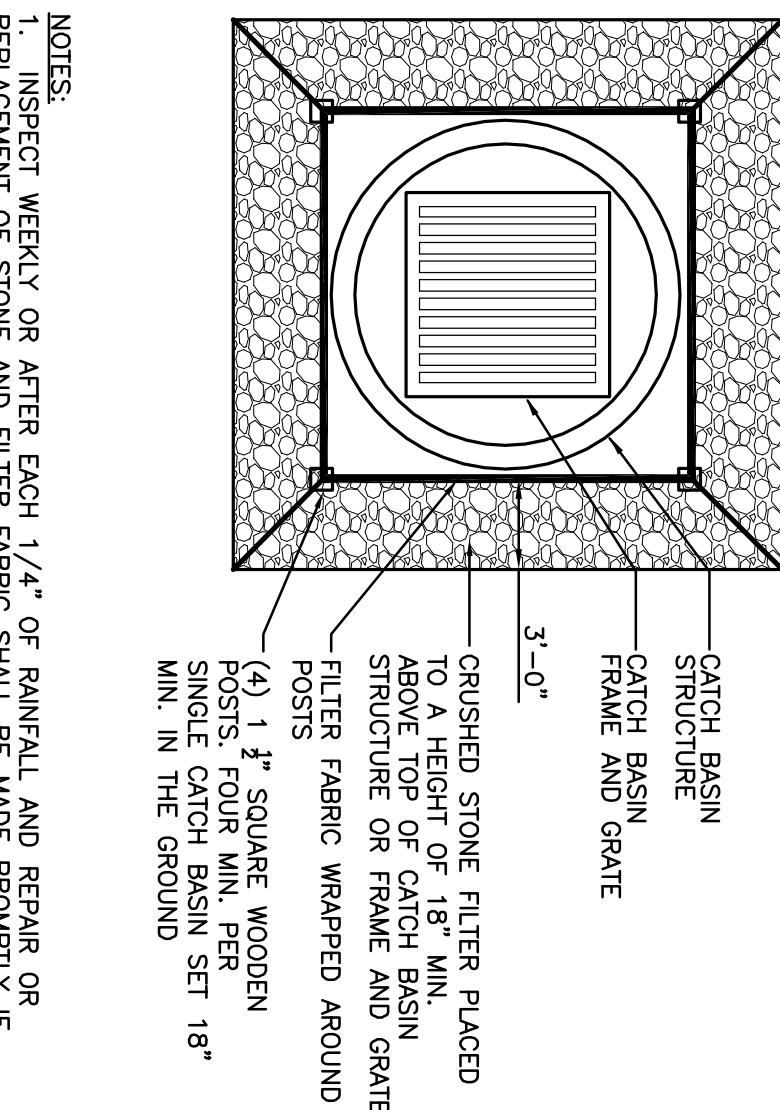
CONSTRUCTION ENTRANCE

NOT TO SCALE



TYPICAL SILT SACK DETAIL

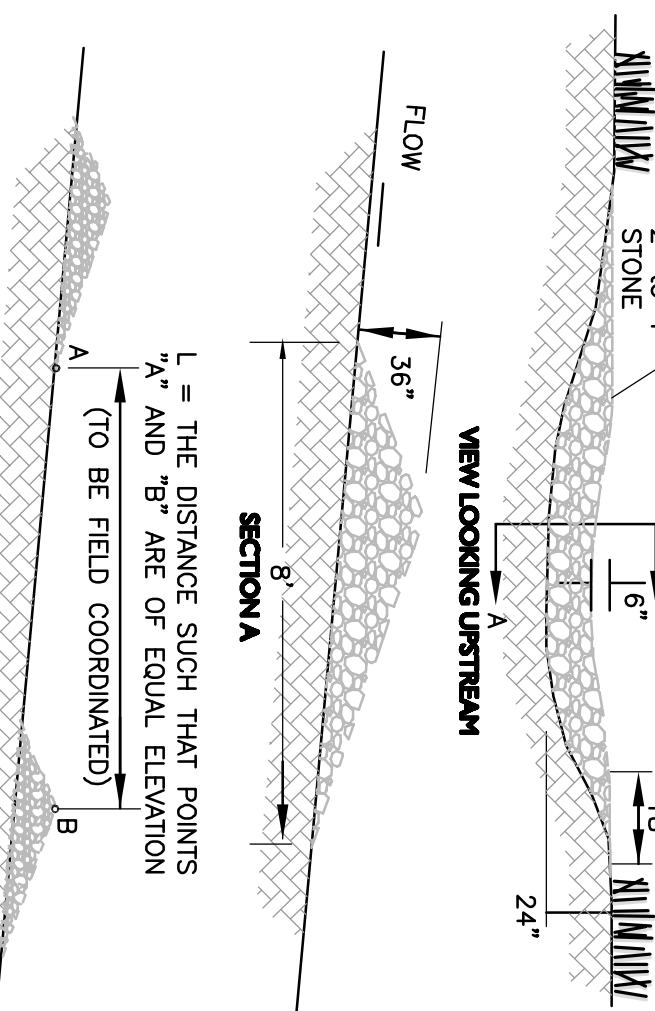
NOT TO SCALE



- NOTES:
1. INSPECT WEEKLY OR AFTER EACH 1/4" OF RAINFALL AND REPAIR OR REPLACEMENT OF STONE AND FILTER FABRIC SHALL BE MADE PROMPTLY IF DAMAGED OR AS DIRECTED.
 2. CONTRACTOR SHALL REMOVE SEDIMENT ACCUMULATION ONCE IT REACHES A DEPTH OF 6" MAX.

CRUSHED STONE CATCH BASIN INLET PROTECTION

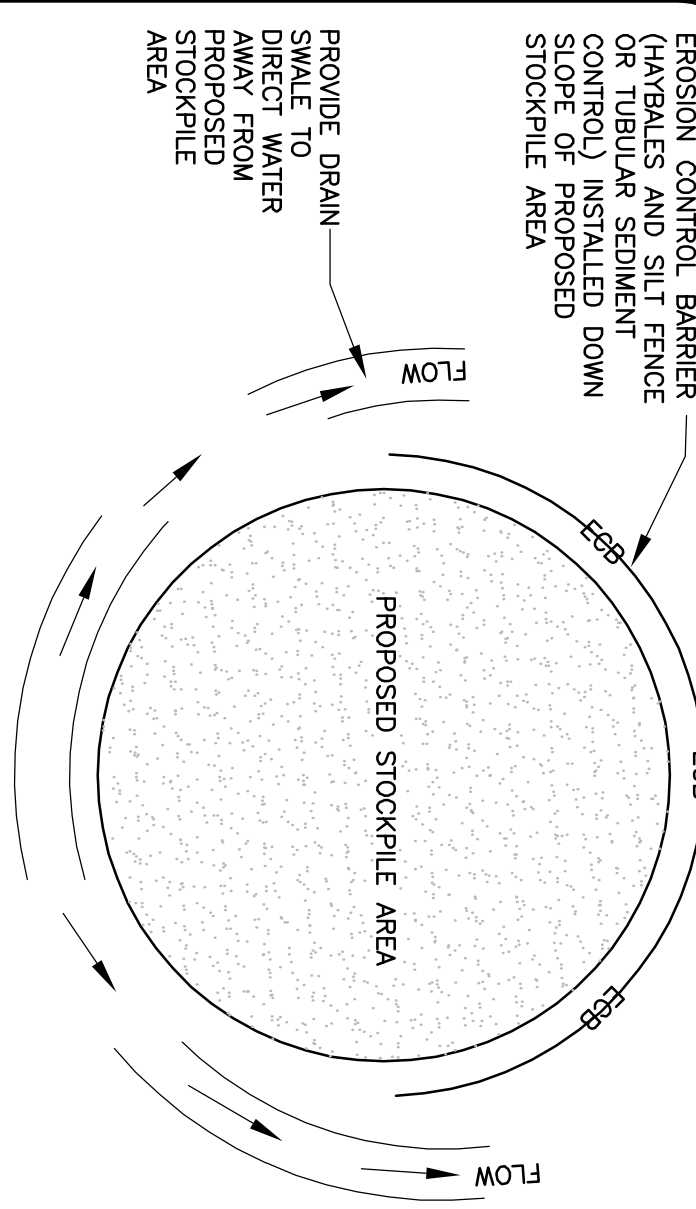
NOT TO SCALE



- NOTE:
1. STONE CHECK DAM TO BE USED IF DRAINAGE AREA IS GREATER THAN 1 ACRE. LOCATIONS TO BE AS SHOWN ON THE PLANS AND FIELD COORDINATED.
 2. KEY STONE INTO CHANNEL BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT FLOW AROUND THE DAM.
 3. CONTRACTOR TO INSPECT CHECK DAMS AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL EVENTS. CONTRACTOR TO REPAIR AND REPLACE THE STONE AS NECESSARY.

STONE CHECK DAM DETAIL

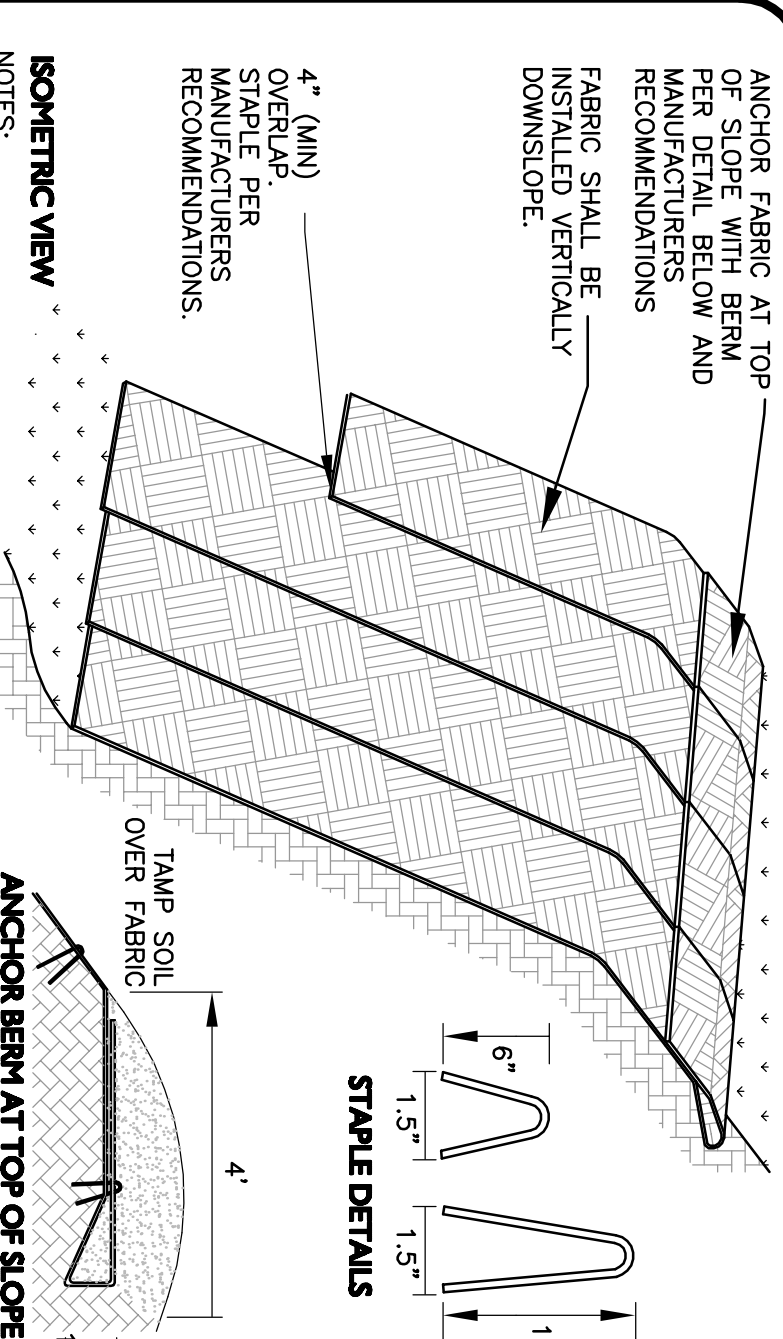
NOT TO SCALE



- NOTES:
1. SOIL AND FILL STOCKPILES EXPECTED TO REMAIN IN PLACE FOR LESS THAN 90 DAYS SHALL BE COVERED WITH HAY AND MULCH (AT 100LBS./1,000 SF.), OR WITH AN ANCHORED TARP WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.
 2. SOIL AND FILL STOCKPILES EXPECTED TO REMAIN IN PLACE FOR 90 DAYS OR MORE SHALL BE COVERED WITH HAY AND MULCH (AT 100LBS./1,000 SF.) AND THEN COVERED WITH HAY MULCH (AT 100LBS./1,000 SF.) OR AN ANCHORED TARP WITHIN 7 DAYS OR PRIOR TO ANY RAINFALL.

STOCKPILE PROTECTION DETAIL

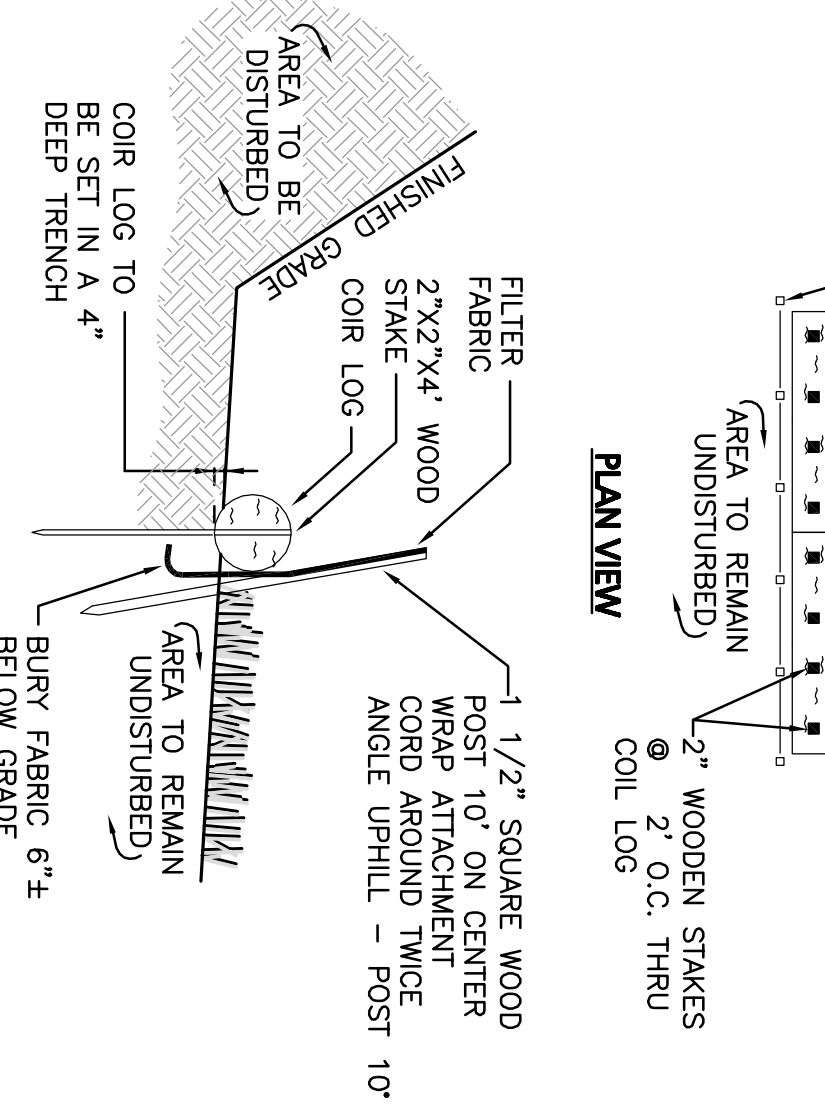
NOT TO SCALE



- NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOUDS, STICKS AND GRASS. FABRIC SHALL HAVE GOOD SOIL CONTACT.
 2. APPLY PERMANENT SEEDING BEFORE PLACING FABRIC. PLACE FABRIC WITHIN 24 HOURS OF SEEDING.
 3. SOIL BASKETS, LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 4. CHOOSE MATERIAL BASED ON SLOPE, SOILS, AND APPLICATION.
 5. EROSION CONTROL FABRIC IS REQUIRED ON ALL SLOPES GREATER THAN 3:1.
 6. PROVIDE SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION.

EROSION CONTROL FABRIC DETAIL

NOT TO SCALE



SILT FENCE AND COIR LOG DETAIL

NOT TO SCALE

- NOTE:
- TO BE 2' UNLESS POST IS TO BE SET IN PEAT THEN 3' OR DEPTH POSSIBLE BY PUSHING BY HAND SHALL BE REQUIRED.