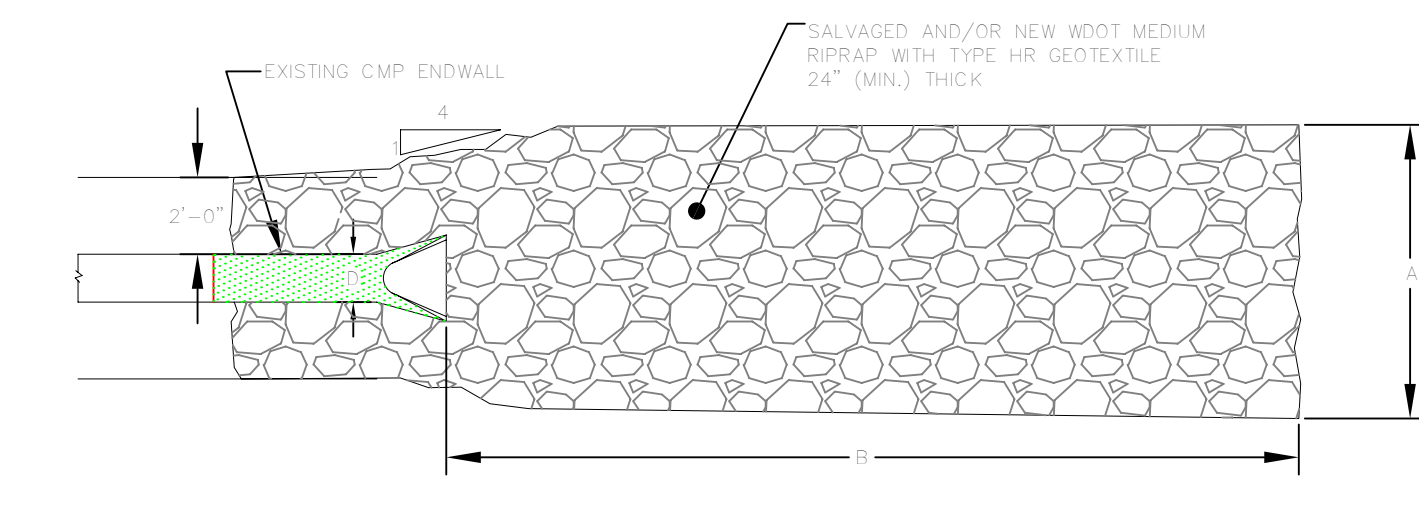
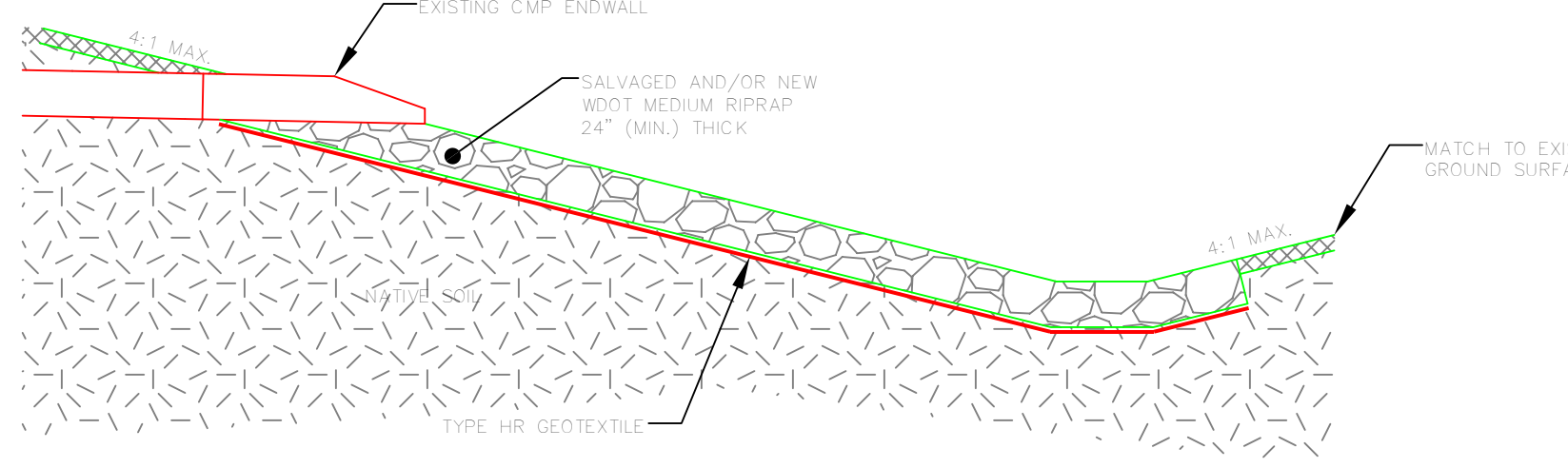


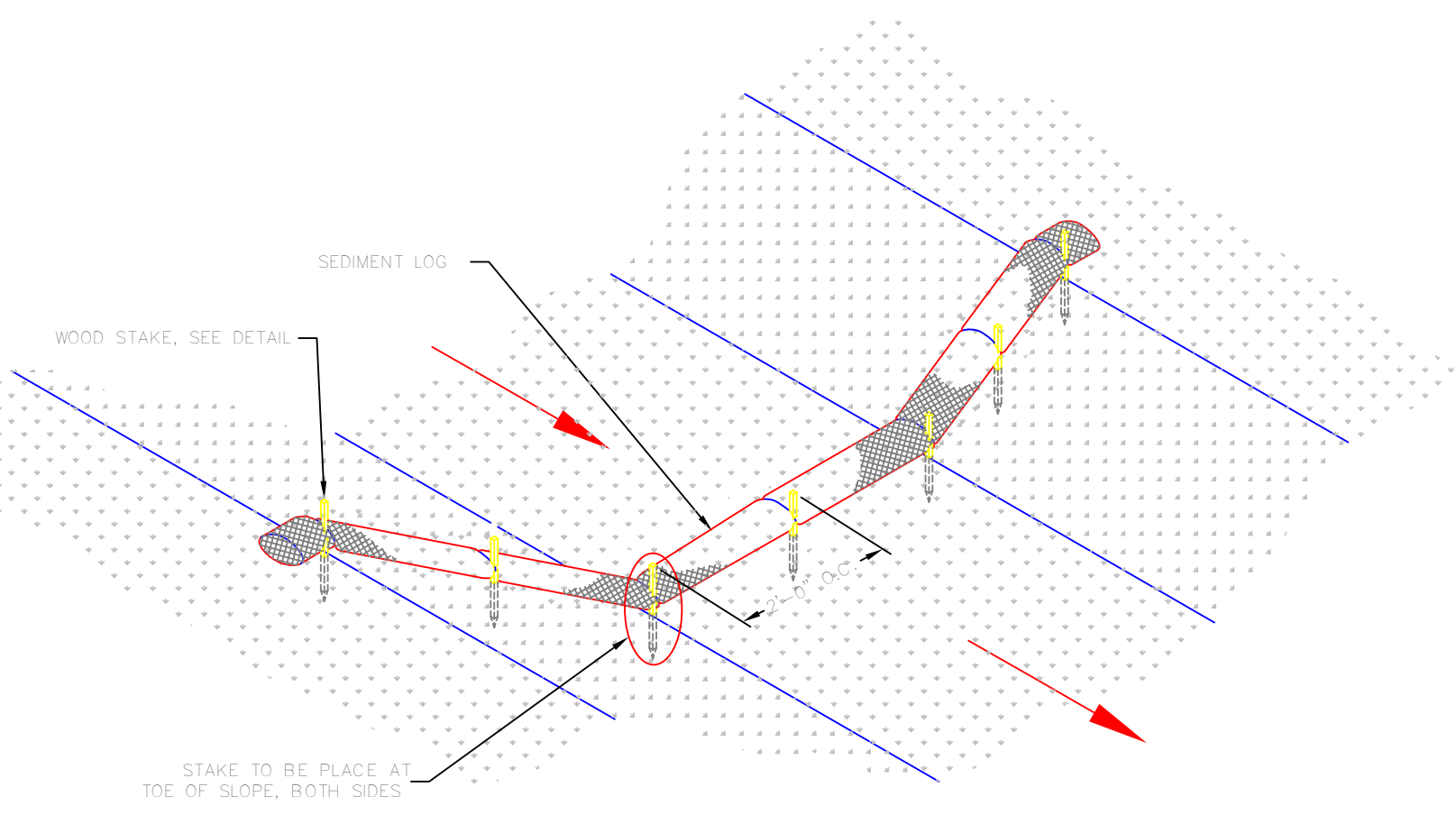
1  
4  
STONE WEEPER  
1" = 2 FT



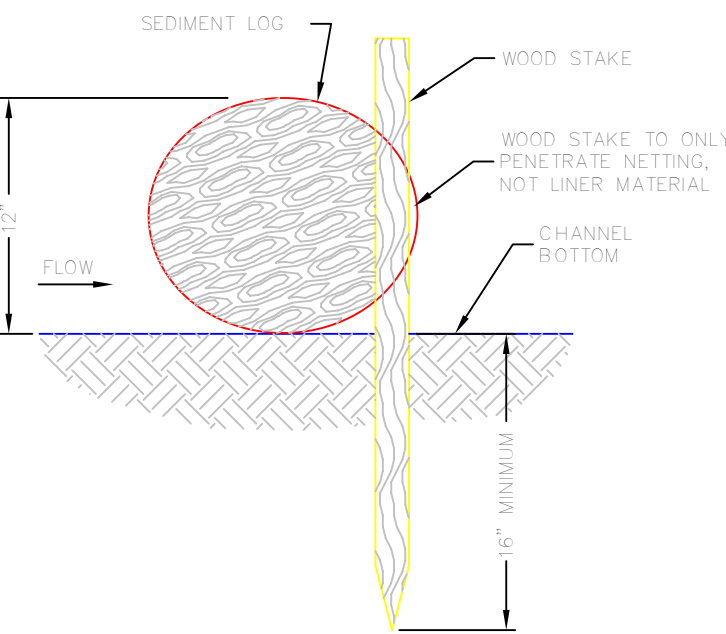
|                                    |         |                             |
|------------------------------------|---------|-----------------------------|
| DISCHARGE TO SWALE                 | 1' x 1' | EXTEND ACROSS SWALE BOTTOM  |
| DISCHARGE INTO BEST RETENTION POND | 20 FT   | 25 FT ALONG OPPOSITE SLOPES |



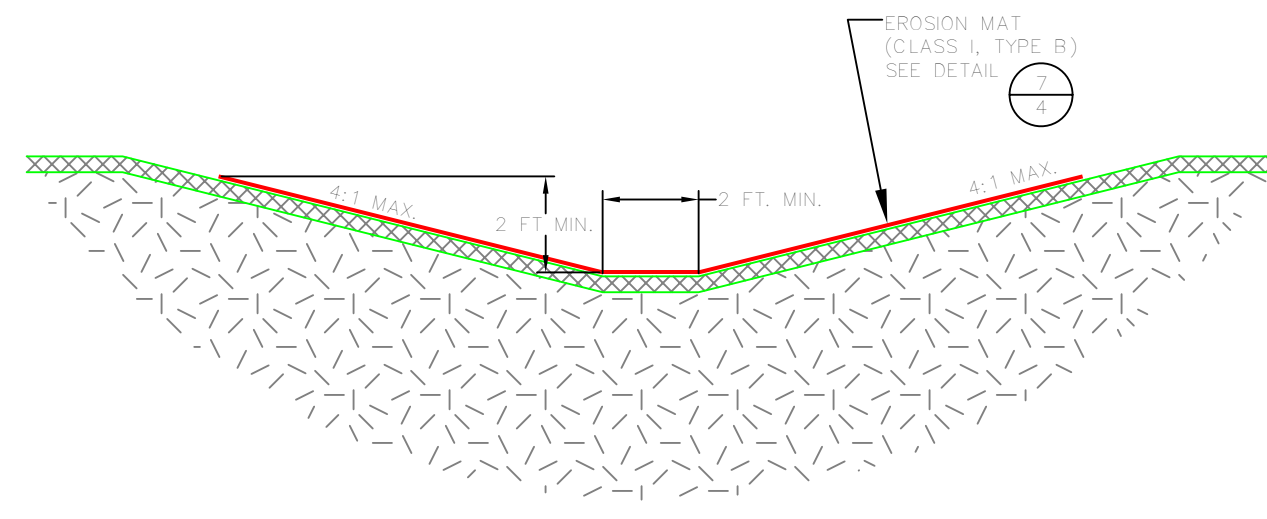
2  
4  
RIPRAP OUTLET PROTECTION  
(NOT TO SCALE)



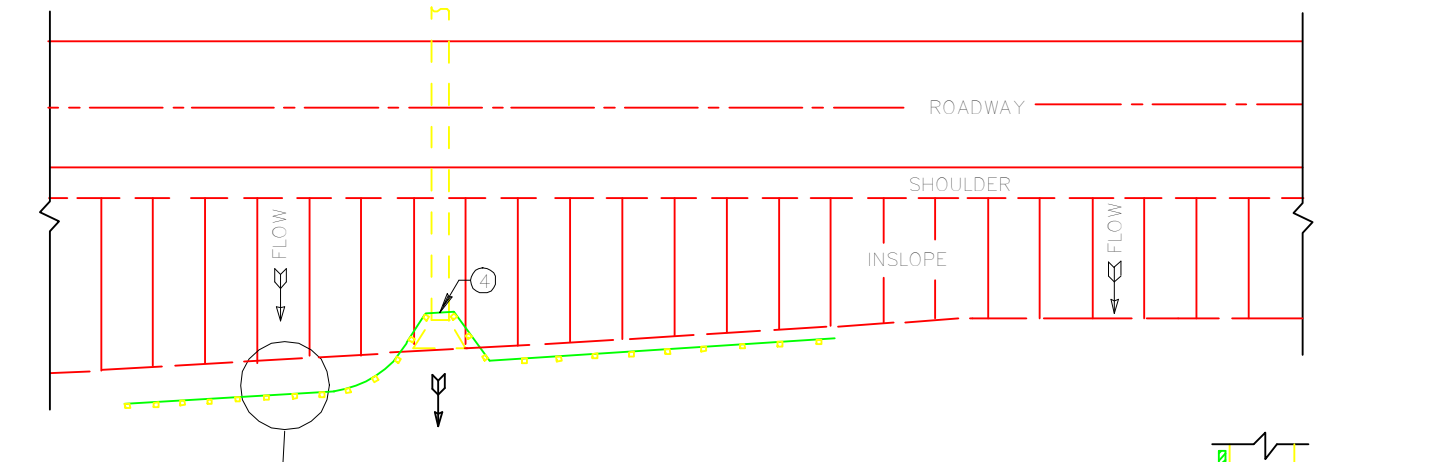
4  
4  
SEDIMENT LOG DETAIL  
NOT TO SCALE



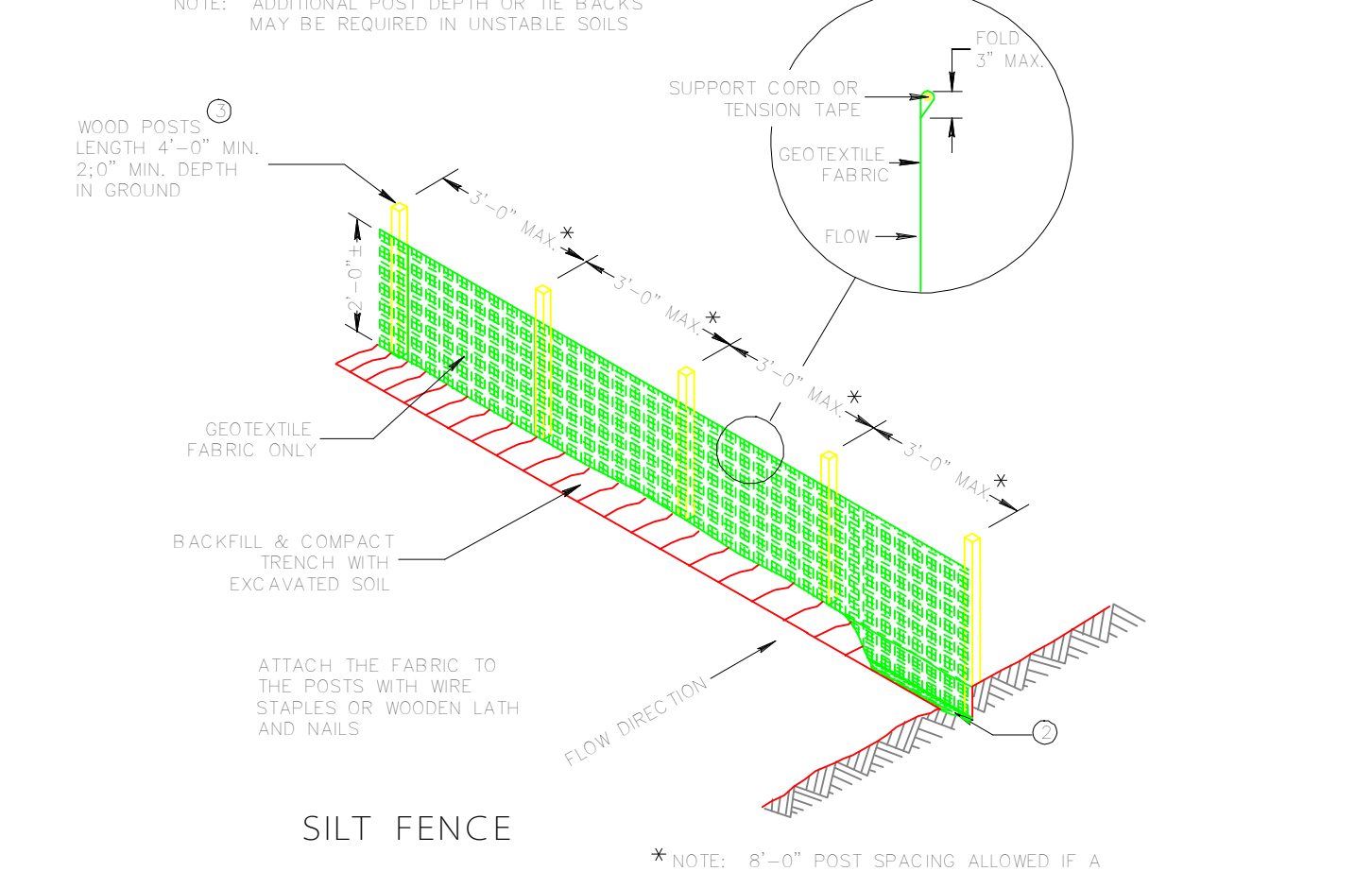
STAKE DETAIL (NO TRENCH)



5  
4  
PERIMETER SWALE (TYP.)  
1" = 4 FT

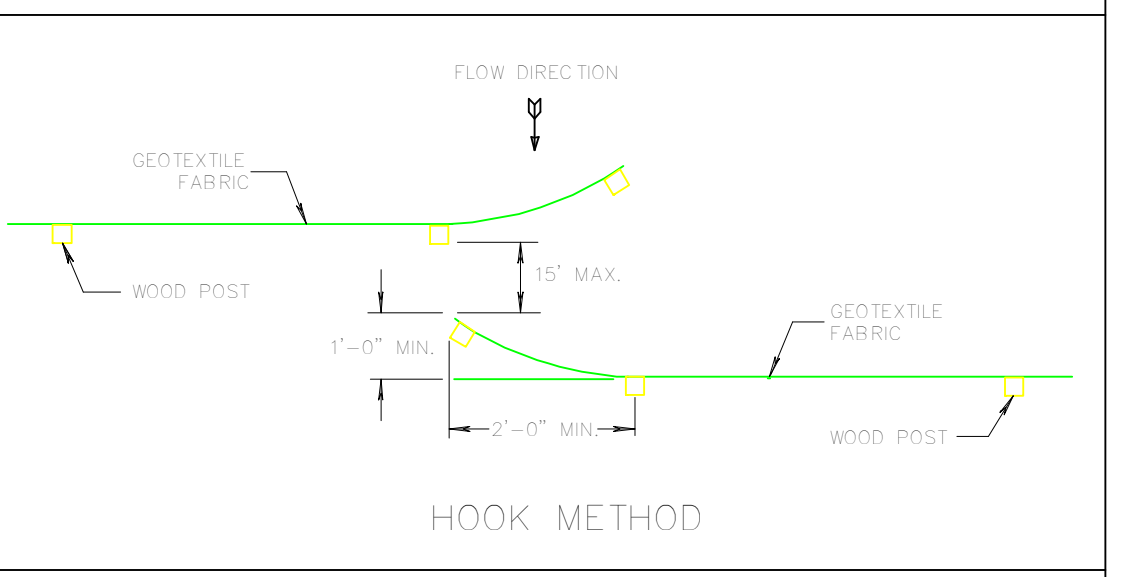
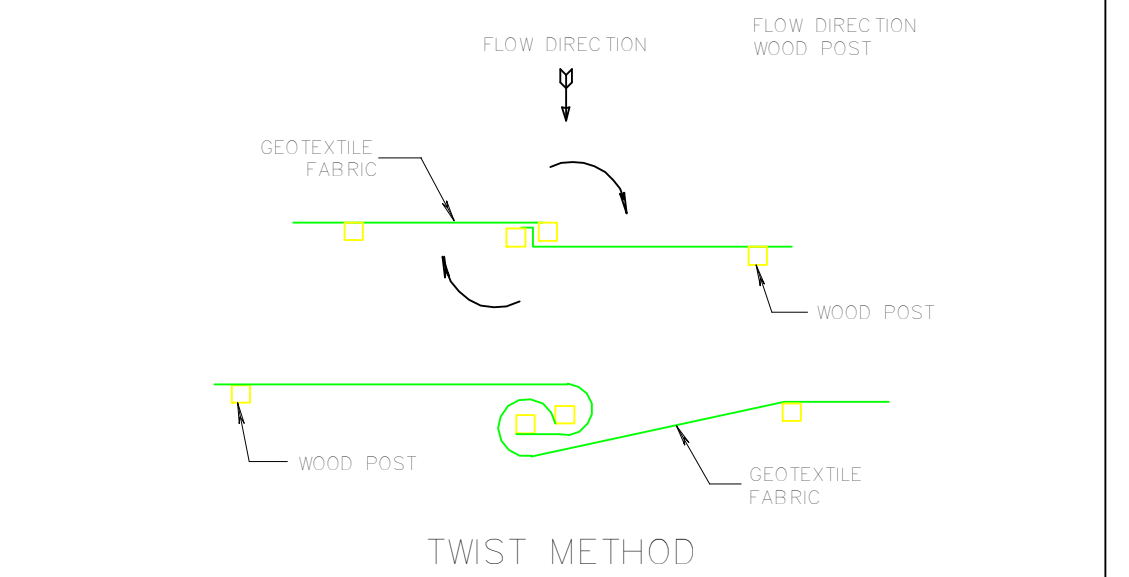


TYPICAL APPLICATION OF SILT FENCE

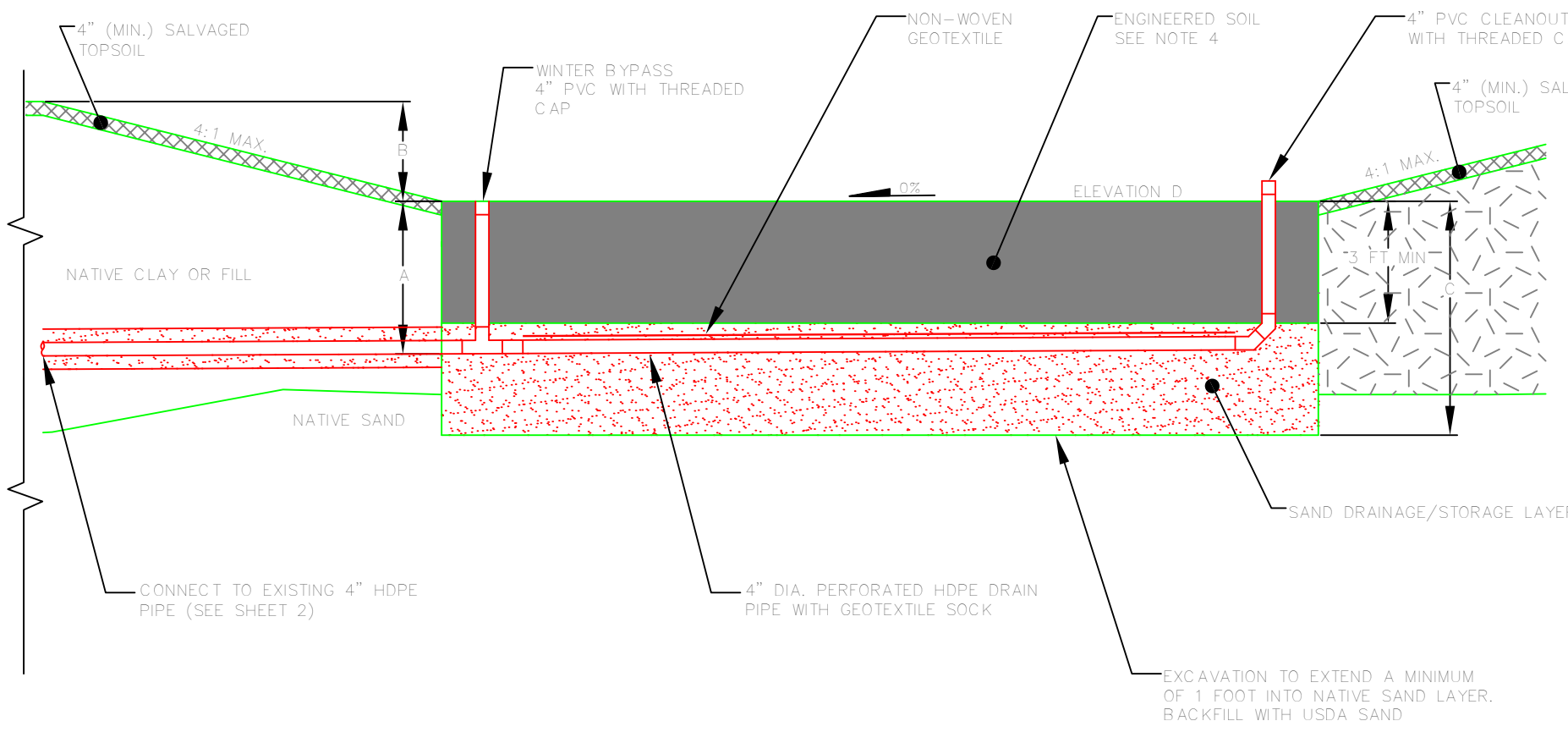


3  
4  
SILT FENCE DETAIL  
(NOT TO SCALE)

- GENERAL NOTES:**
- DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
  - HORIZONTAL BRACE REQUIRED WITH 2" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
  - FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FILL MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
  - WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/2" x 1 1/2" OF OAK OR HICKORY.
  - SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
  - CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST OR ROTATE, AT LEAST 90 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.
  - PLACE JERSEY BARRIERS OR EQUIVALENT BEHIND (DOWNSLOPE SIDE) SILT FENCE AS NEEDED TO PROVIDE ADDITIONAL STABILITY.

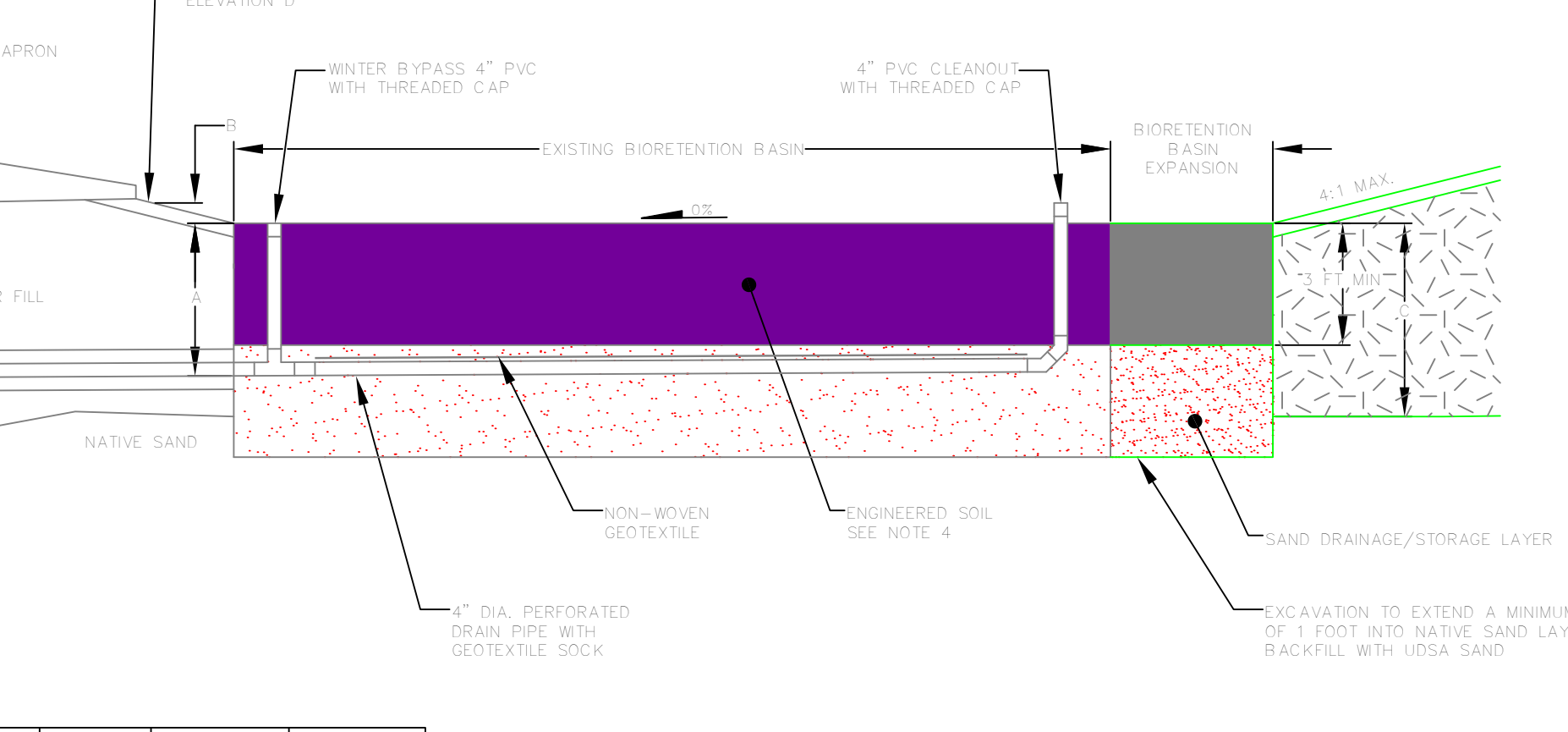


JOINING TWO LENGTHS OF SILT FENCE



6  
4  
BR10 BIORETENTION DETAIL  
NOT TO SCALE

| BIORETENTION BASIN | A     | B     | C     | D     | PLANTING AREA (SQ. FT.) | APPROXIMATE LENGTH (FEET) | APPROXIMATE WIDTH (FEET) |
|--------------------|-------|-------|-------|-------|-------------------------|---------------------------|--------------------------|
| BR10               | 10 FT | 10 FT | 10 FT | 10 FT | 100                     | 10                        | 10                       |



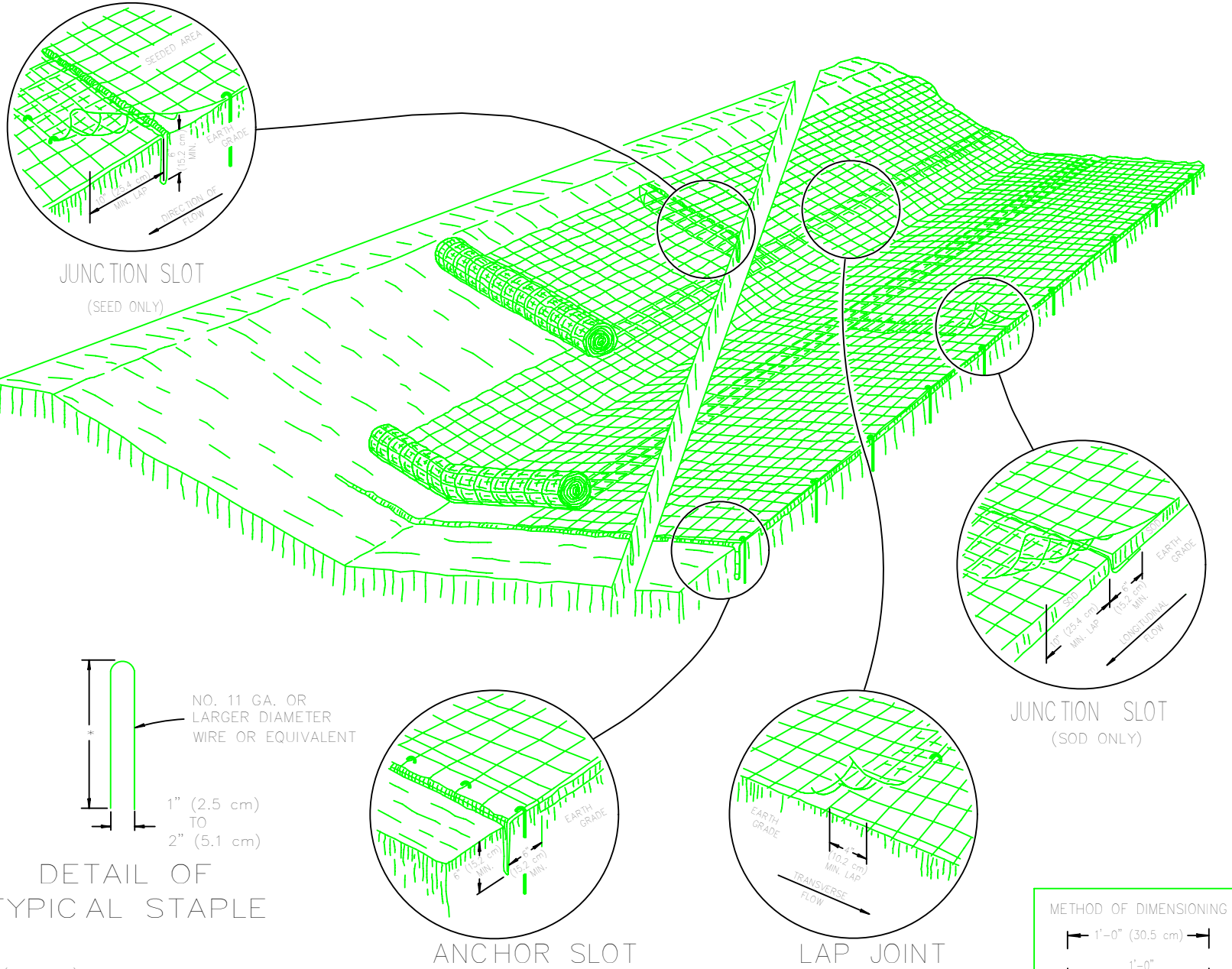
8  
4  
BR7 BIORETENTION DETAIL  
NOT TO SCALE

| BIORETENTION BASIN | A     | B     | C     | D     | PLANTING AREA (SQ. FT.) | APPROXIMATE LENGTH (FEET) | APPROXIMATE WIDTH (FEET) |
|--------------------|-------|-------|-------|-------|-------------------------|---------------------------|--------------------------|
| BR7                | 10 FT | 10 FT | 10 FT | 10 FT | 100                     | 10                        | 10                       |

EXPAND BIST TO MEET PLANTING AREA. EXISTING PLANTING AREA IS APPROXIMATELY 300 SQUARE FEET.

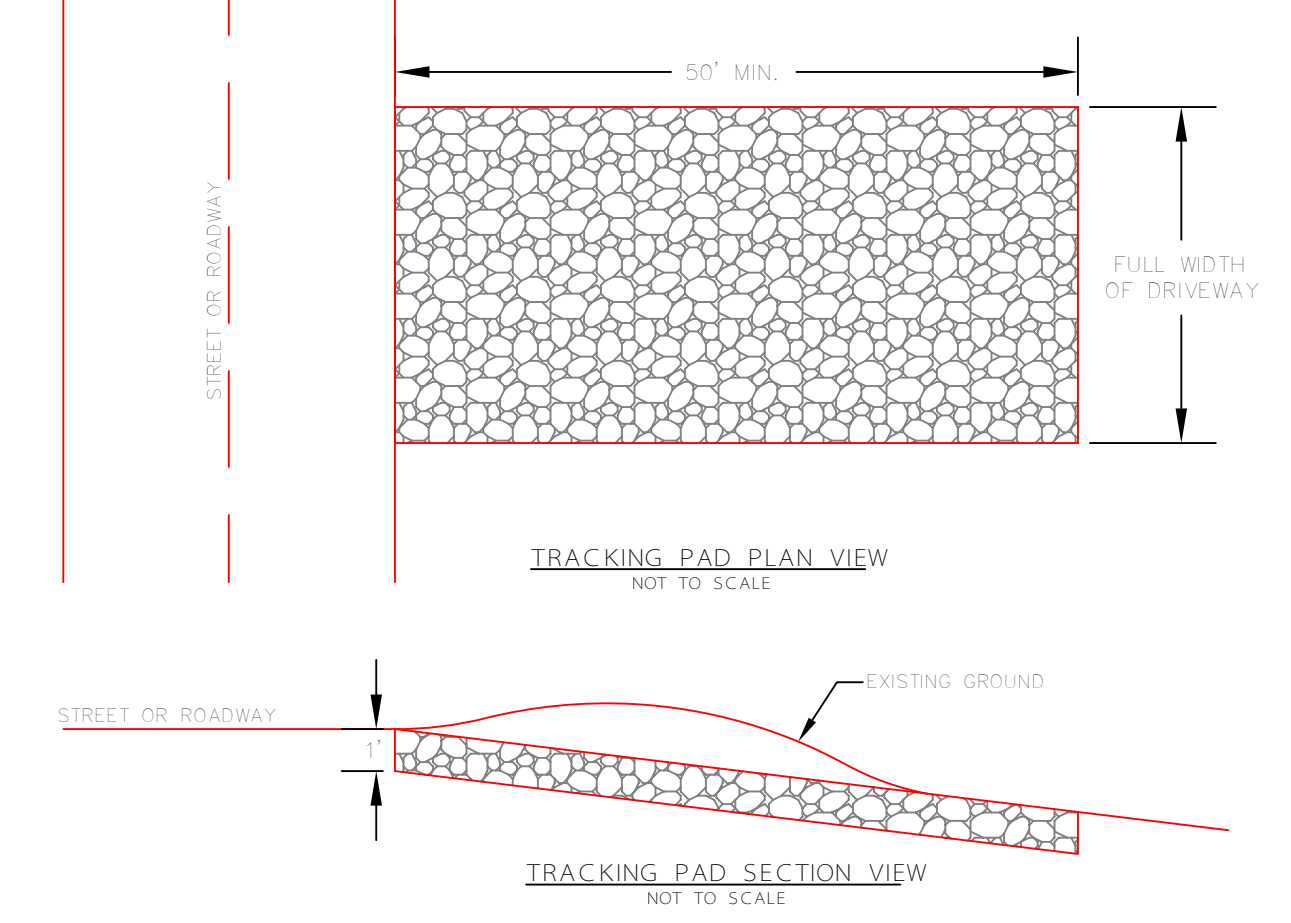
**BIORETENTION BASIN NOTES FOR DETAILS**

- RAIN GARDEN AND BIORETENTION PLANTING PLAN**
- SPECIES**
- ANDROPOGON GERARDI (BIG BLUESTEM)
  - SORGHASTRUM NUTANS (INDIAN GRASS)
  - SOPHORA LACINATA (COMPASS PLANT)
  - BURDECKIA HIRTA (BLACK-EYED SUSAN)
  - SCIMMICA PURPUREA (GLOBE GONIFLOWER)
  - EUPATORIUM MACULATUM (JOE PEEBEE)
- NOTES:**
- PLUG SIZE PLANTS REQUIRED IN RAIN GARDENS AND BIORETENTION BASINS.
  - PLANTING DENSITY SHALL BE 1 PLANT PER SQUARE FOOT.
  - SURFACE MULCH LAYER SHALL CONSIST OF SHREDDED HARDWOOD MULCH OR CHIPS. ADD A MINIMUM OF 12 MONTHS. SHALL BE PLACED AT THE SURFACE OF THE RAIN GARDEN OR BIORETENTION AREA. THE MULCH SHALL BE 2 TO 3 INCHES IN DEPTH AND FREE OF FOREIGN MATERIAL, INCLUDING OTHER PLANT MATERIAL.
  - ENGINEERED SOIL SHALL COMPLY WITH WNR TECHNICAL STANDARD 1004.
  - CONSTRUCTION OF BIORETENTION BASINS SHALL BE IN ACCORDANCE WITH WNR TECHNICAL STANDARD 1004.



7  
4  
EROSION MAT DETAIL  
(NOT TO SCALE)

- EROSION MAT NOTES:**
- DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS.
- VARIOUS TYPES OF EROSION MATS OR MATERIALS SHOWN HEREON SHALL BE PERTINENT IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.
- LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.
- JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET (1.219 m) APART.
- EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.
- EROSION MAT WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE SPECIFICATIONS.
- EROSION MAT OVER SEEDING
- JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET (30.48 m) ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET (15.24 m) ON GRADES EXCEEDING 3 PERCENT.



9  
4  
STONE TRACKING PAD DETAIL  
NOT TO SCALE

10  
4  
FIELD INLET DETAIL  
NOT TO SCALE