

DIA.	A	B	C	D	E	R
18"	9"	2'-3"	3'-10"	3'-0"	2 1/2"	11"
24"	9 1/2"	3'-7 1/2"	2'-6"	4'-0"	3"	14"
30"	12"	4'-6"	1'-7 1/2"	5'-0"	3 1/2"	15"
36"	15"	5'-3"	2'-10 1/2"	6'-0"	4"	1'-8"
42"	21"	5'-3"	2'-11"	6'-6"	4 1/2"	22"
48"	24"	6'-0"	2'-2"	7'-0"	5"	22"
54"	27"	5'-5"	2'-11"	7'-6"	5 1/2"	24"
60"	30"	5'-0"	3'-3"	8'-0"	6"	24"

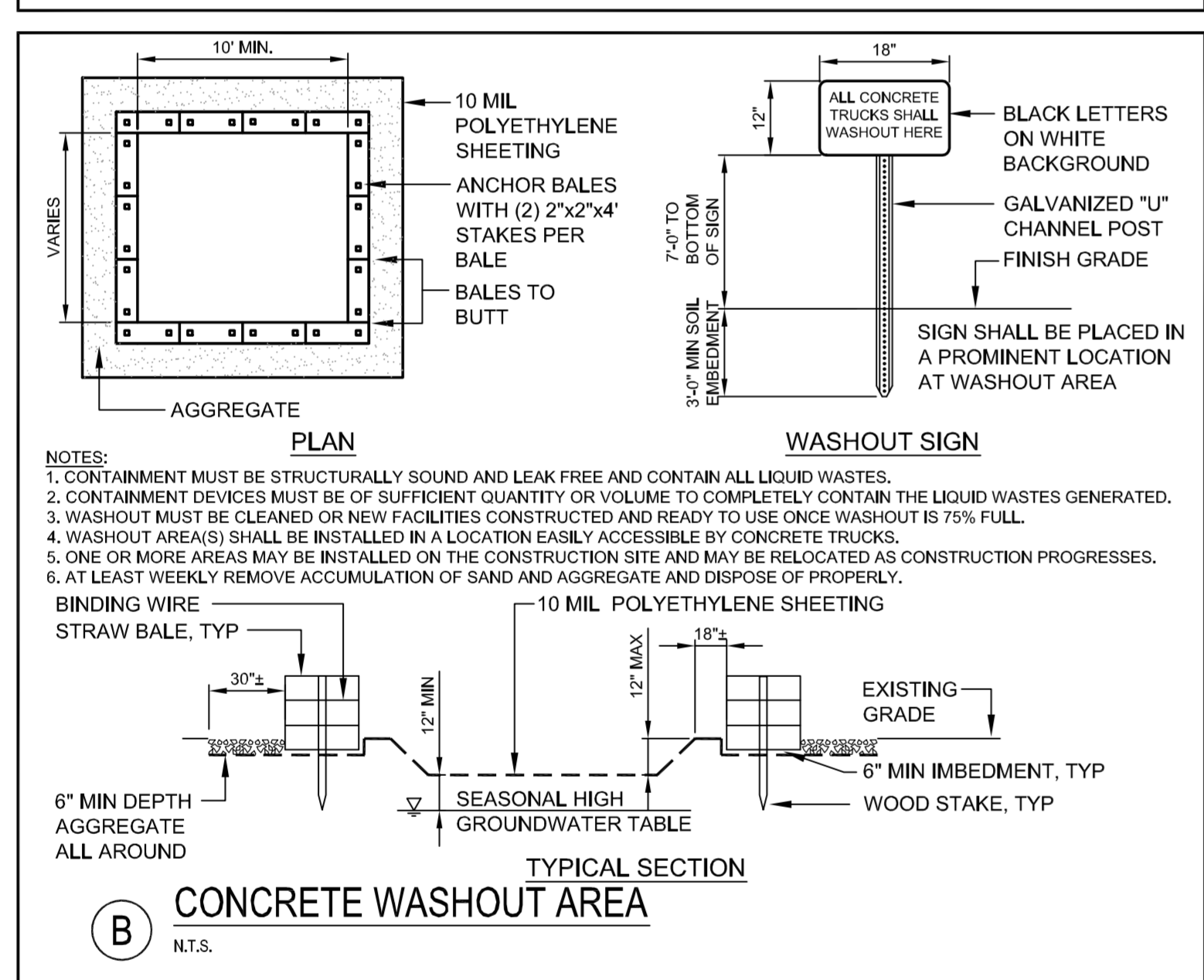
NOTE: JOINTS MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE ENDS.

* BAR RACKS ARE ONLY REQUIRED ON PIPES 18" AND OVER IN SIZE.

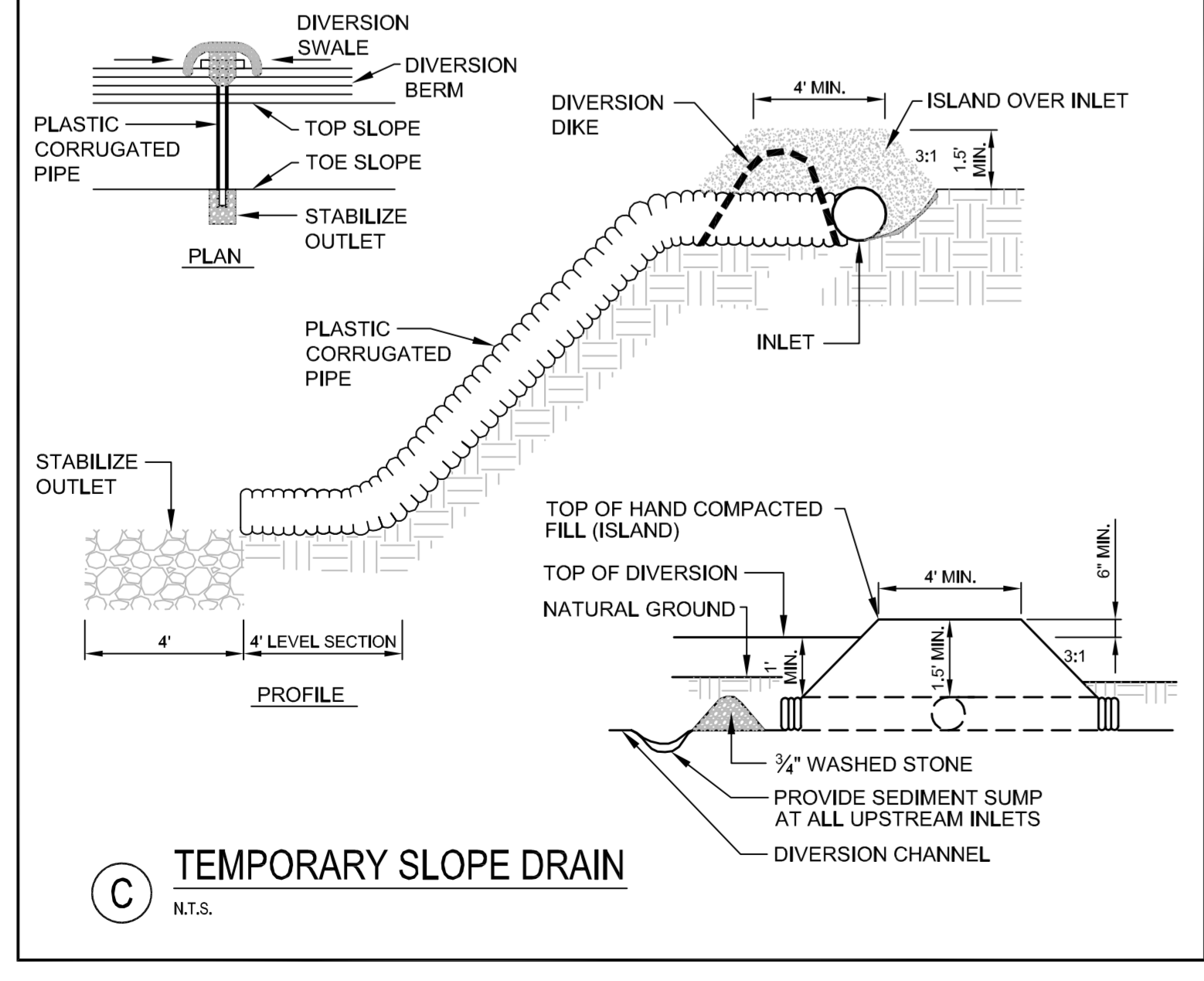
* USE FIELD MITER FOR CULVERTS WITH A DIAMETER OF LESS THAN 18"

REQUIRED FOR ALL INLETS/OUTLETS FOR PIPE OVER 18" DIAMETER.

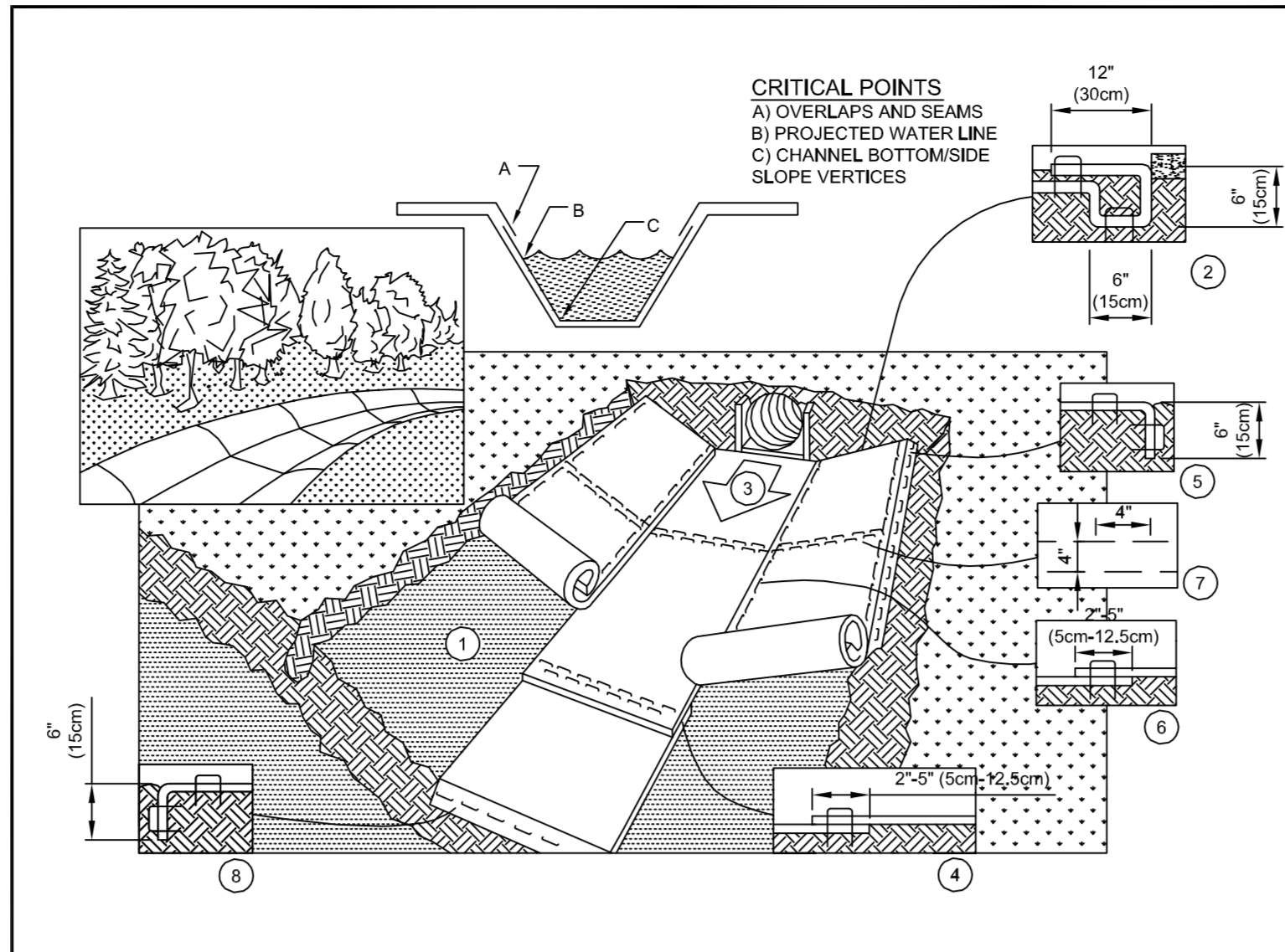
(A) RCP FLARED END WITH BAR RACK DETAIL
N.T.S.



(B) CONCRETE WASHOUT AREA
N.T.S.



(C) TEMPORARY SLOPE DRAIN
N.T.S.

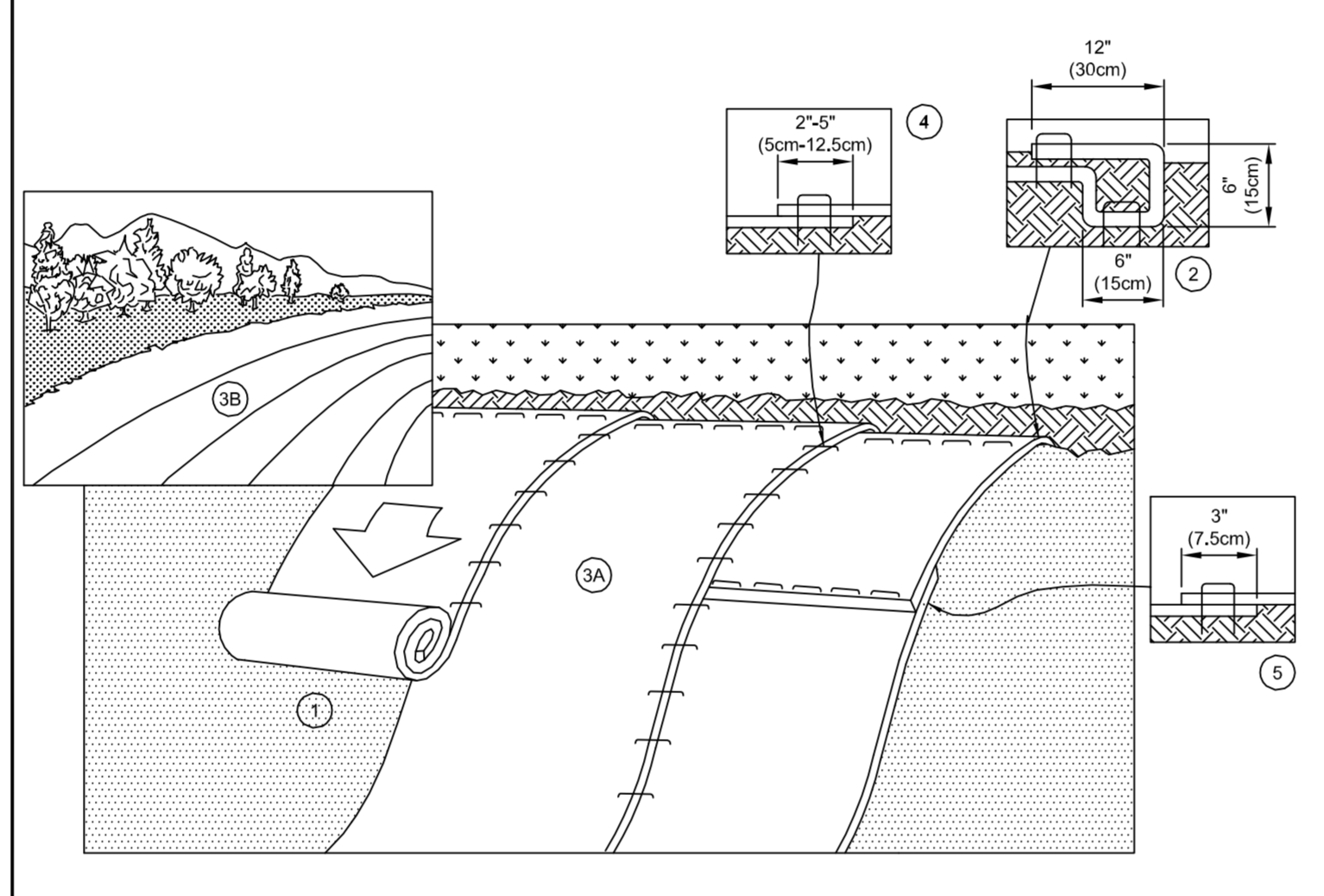


- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND SEED.
- BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" (150mm) DEEP X 6" (150mm) WIDE TRENCH WITH APPROXIMATELY 12" (300mm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (300mm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (300mm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (300mm) ACROSS THE WIDTH OF THE BLANKET.
- ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- PLACE CONSECUTIVE BLANKETS END OVER END (SINGLE STYLE) WITH A 4" (100mm) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (100mm) APART AND 4" (100mm) ON CENTER TO SECURE BLANKETS.
- FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (300mm) APART IN A 6" (150mm) DEEP X 6" (150mm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2'-0" (600mm) (DEPENDENT ON BLANKET SIZE) AND STAPLED.
- IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30' TO 40' (9000mm-12000mm) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (100mm) APART AND 4" (100mm) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
- THE TERMINAL END OF BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (300mm) APART IN A 6" (150mm) DEEP X 6" (150mm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

NOTE: HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

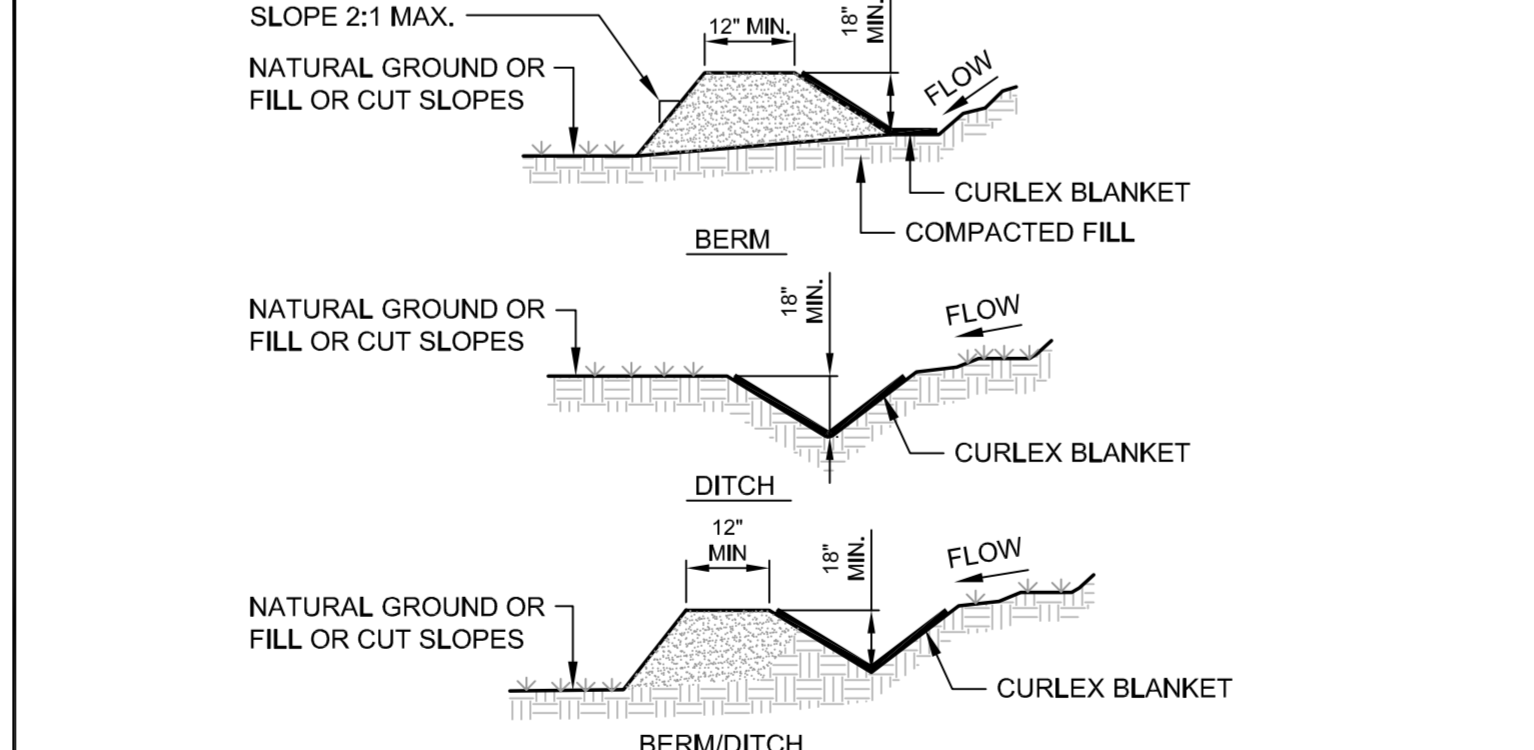
** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (150mm) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

(D) EROSION CONTROL BLANKET DETAIL FOR CHANNEL INSTALLATION



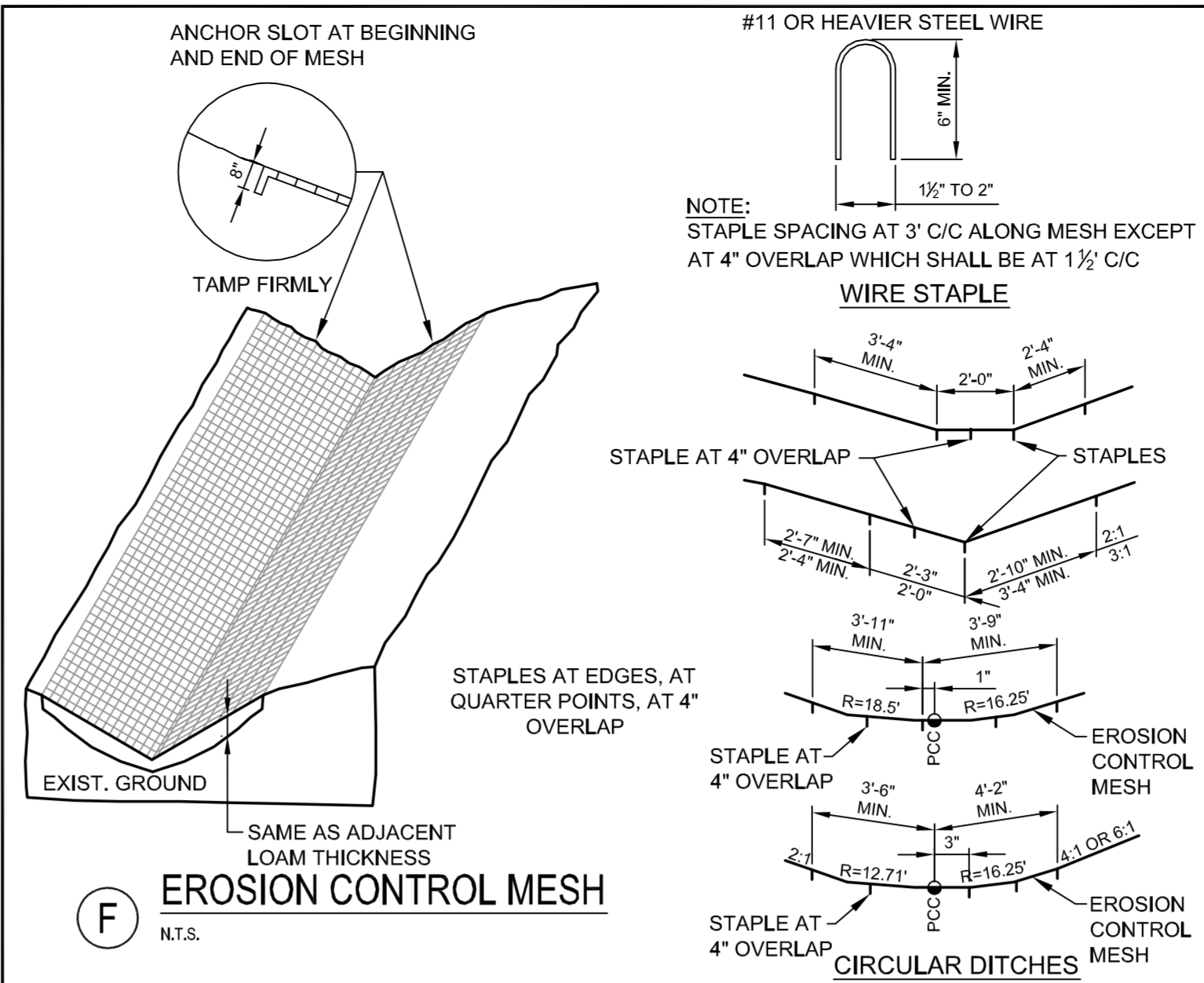
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND SEED. NOTE: WHEN USING CELLO-SEED DO NOT SEED PREPARED AREA. CELLO-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (150mm) DEEP TRENCH WITH APPROXIMATELY 12" (300mm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (300mm) IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (300mm) PORTION OF THE BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (300mm) ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH THE APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2'-0" (600mm) OVERLAP (DEPENDENT ON BLANKET TYPE). TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
- CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SINGLE STYLE) WITH AN APPROXIMATE 3" (75mm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (300mm) APART ACROSS ENTIRE BLANKET WIDTH.

(E) EROSION CONTROL BLANKET NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (150mm) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.
N.T.S.

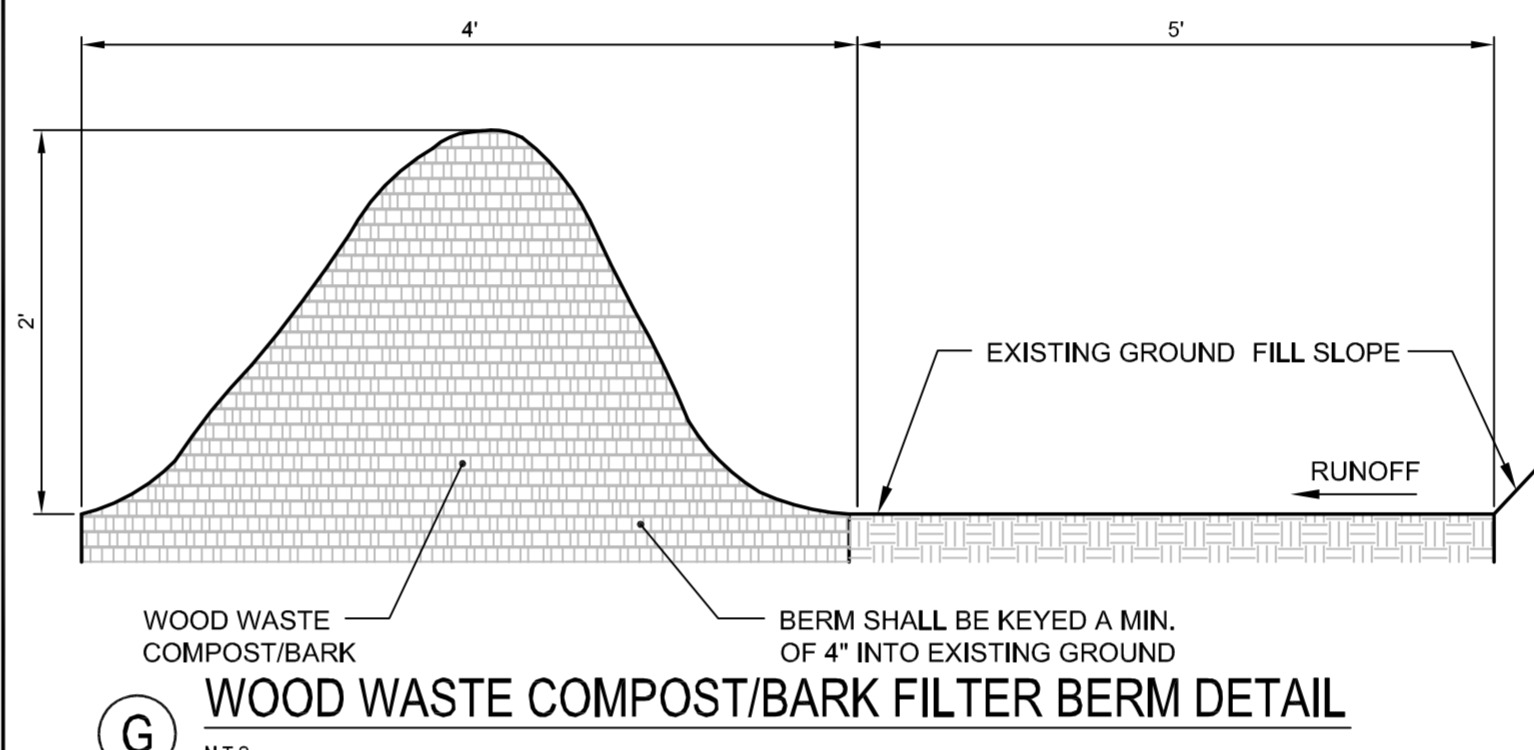


- POSITIVE GRADE MUST BE PROVIDED TO ASSURE DRAINAGE. IF SLOPE EXCEEDS 2%, SEED AND MULCH DIVERSION. TRY NOT TO EXCEED 5% HIGH RUNOFF VELOCITIES RESULT. MAXIMUM DRAINAGE AREA IS 500 ACRES WITHOUT SUPPORTING CALCULATIONS FOR PERMANENT CHANNEL. DIVERSIONS AT THE TOP OF SLOPES MUST EMPTY INTO AN APPROVED SLOPE DRAW (SEE DETAILS). THE BERM/DITCH IS THE MOST COMMONLY USED DIVERSION.
- MACHINE COMPACTION OF ALL FILLS IS REQUIRED.
- DIVERSIONS SUFFICIENT TO DIRECT ALL SEDIMENT-LADEN STORM WATER INTO SEDIMENT CONTROL DEVICE MUST BE INSTALLED PRIOR TO CLEANING AND GRUBBING OF AREA OR IN CONJUNCTION WITH THIS OPERATION IF SEDIMENT CONTROLS AND DIVERSIONS ARE INSTALLED AT EACH CRITICAL POINT AS NOTICED.
- DIVERSIONS SHOULD BE LOCATED TO MINIMIZE DAMAGES BY CONSTRUCTION OPERATIONS.
- DIVERSIONS SHOULD BE MAINTAINED AND REPAIRED AS NEEDED IF THEY ARE TO REMAIN IN PLACE OVER 14 DAYS.
- CHECK DIVERSIONS AFTER EACH RAIN, OR ONCE PER WEEK WHICH EVER IS THE SHORTER DURATION. REPAIR AS NEEDED TO MAINTAIN FUNCTION.

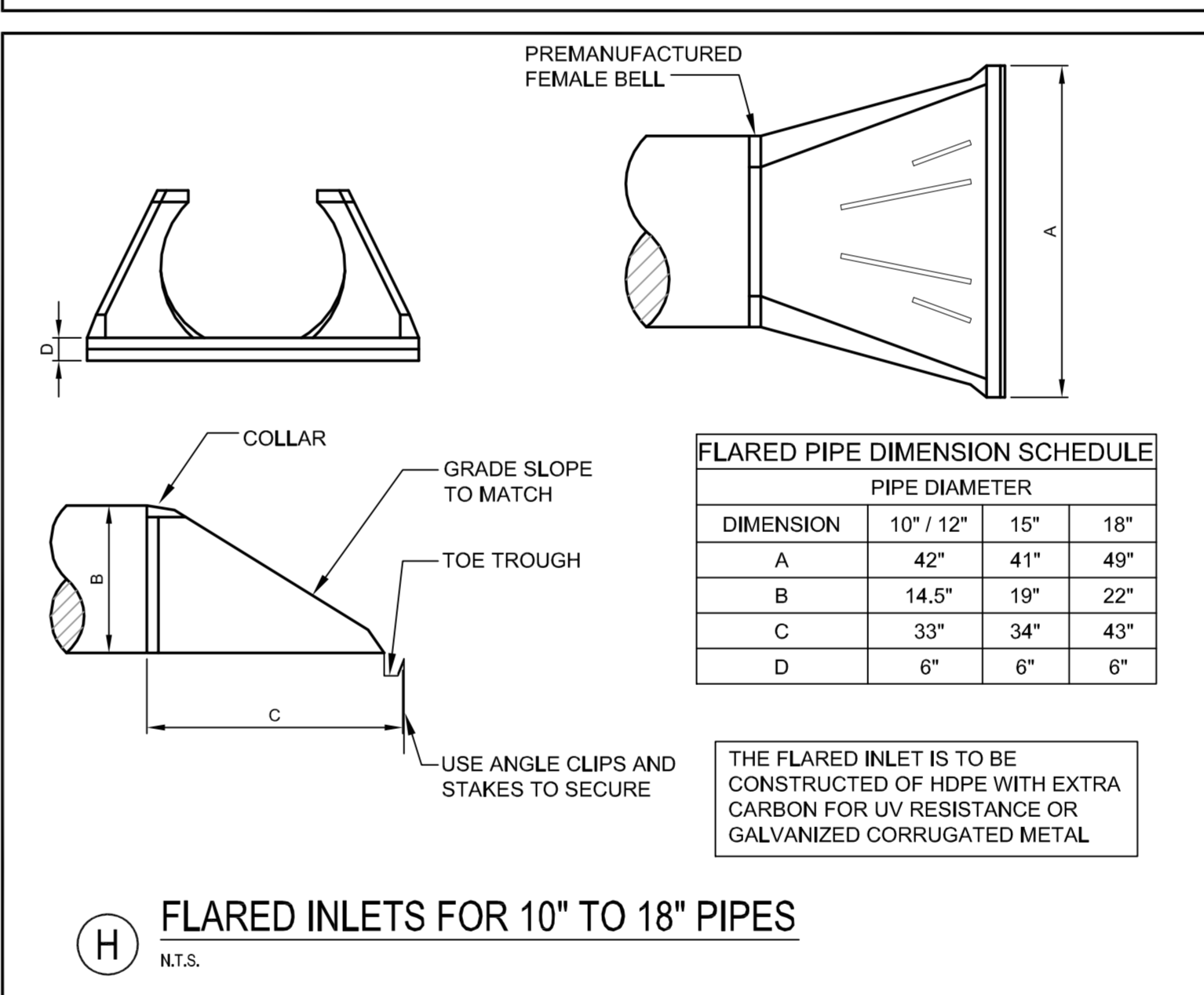
(F) TEMPORARY DIVERSION BERM / DITCH DETAIL
N.T.S.



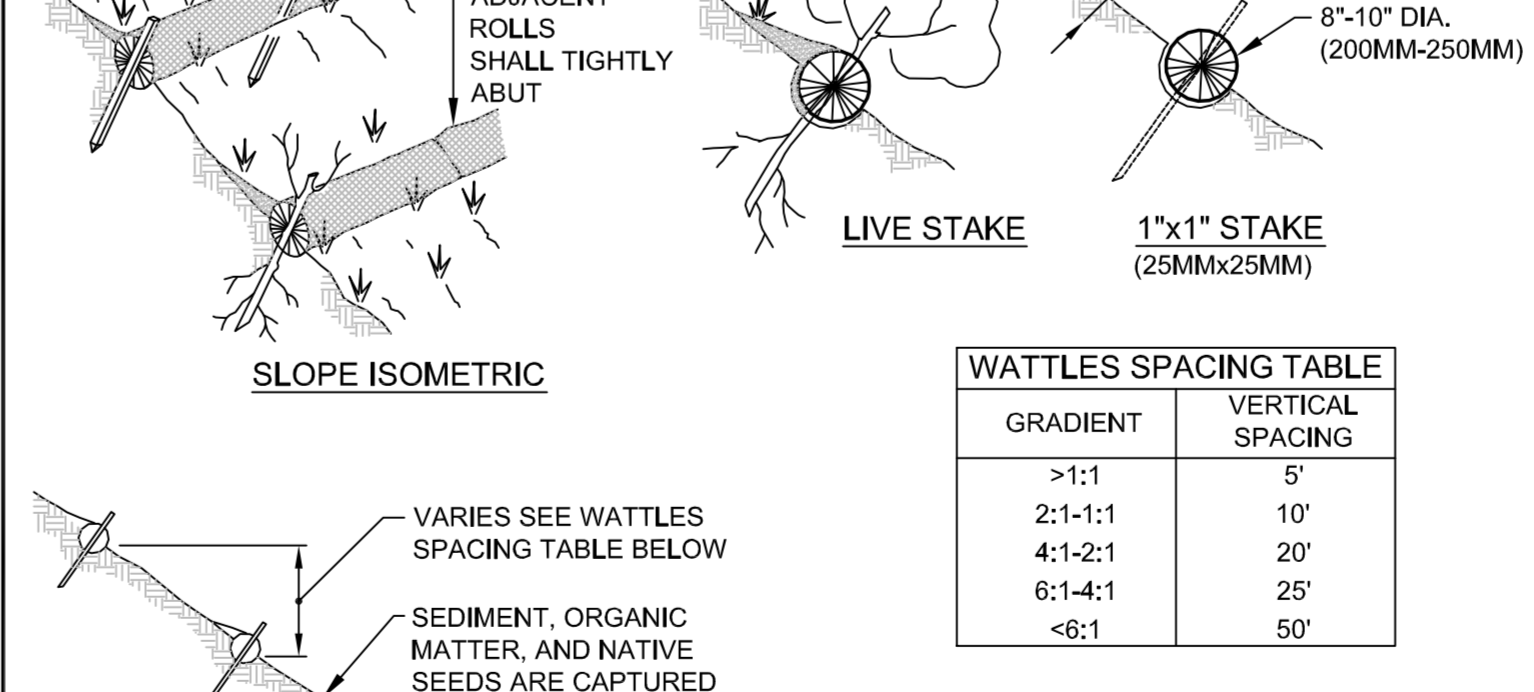
- NOTE: THE WOOD WASTE COMPOST/BARK MIX SHALL CONFORM TO THE FOLLOWING STANDARDS:
- A. MOISTURE CONTENT - 30-40%
 - B. pH - 5.0-8.0
 - C. SCREEN SIZE - 100% LESS THAN 3", MAX. 70% LESS THAN 1"
 - D. NO LESS THAN 40% ORGANIC MATERIAL (DRY WEIGHT) BY LOSS OF IGNITION
 - E. NO STONES LARGER THAN 2" IN DIAMETER
 - F. THE COMPOST BERM SHALL BE PLACED, UNCOMPACTED, ALONG A RELATIVELY LEVEL CONTOUR.
 - G. THE WOOD WASTE COMPOST/BARK FILTER BERM MAY BE USED IN LIEU OF SILTATION FENCE, AT THE TOE OF SHALLOW SLOPES, ON FROZEN GROUND, LEDGE OUT CROPS, VERY ROOTED FORESTED AREA OR AT THE EDGE OF GRAVEL PARKING AREAS.
 - H. BERMS SHALL REMAIN IN PLACE UNTIL UPSTREAM AREA IS COMPLETED OR 70% CATCH OF VEGETATION IS ATTAINED. BERMS SHALL BE REMOVED BY SPREADING SUCH THAT THE NATIVE EARTH CAN BE SEEN BELOW.



(G) WOOD WASTE COMPOST/BARK FILTER BERM DETAIL
N.T.S.

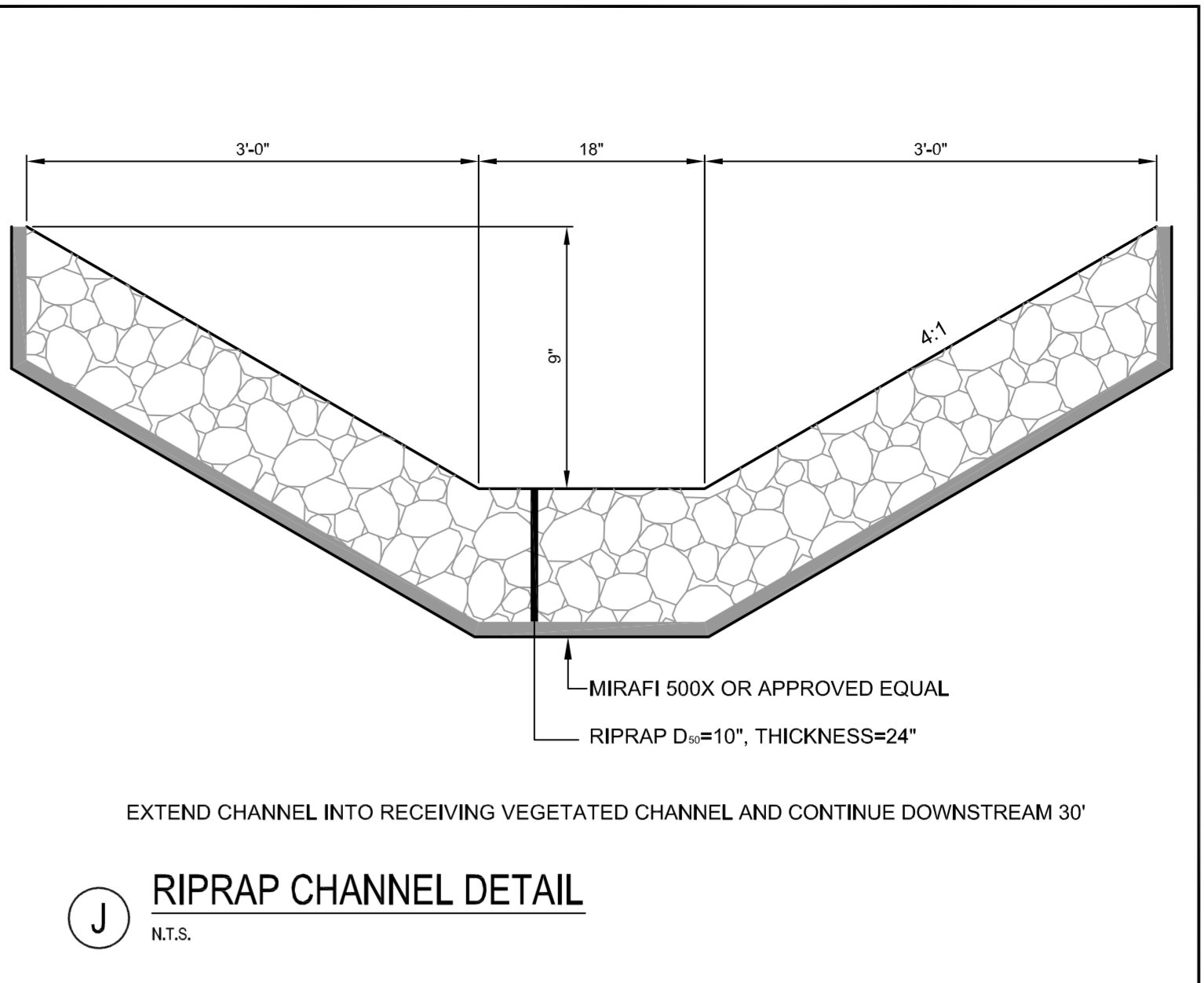


(H) FLARED INLETS FOR 10" TO 18" PIPES
N.T.S.

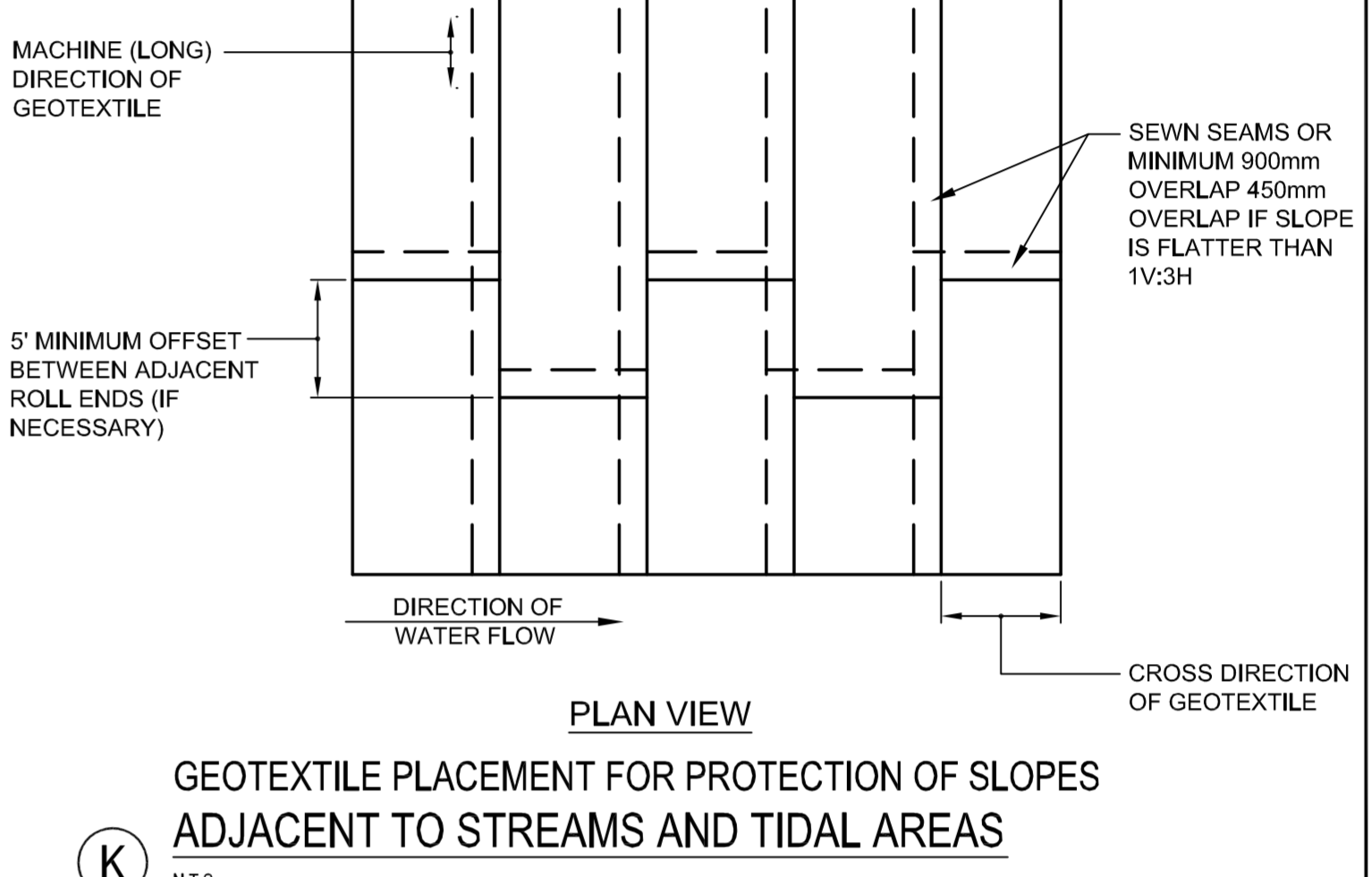


- SPACING DEPENDS ON SOIL TYPE AND SLOPE STEEPNESS.
- NOTE: 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH 2" - 3" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER.
4. DRIVE STAKE SO THAT 2"-3" REMAINS EXPOSED

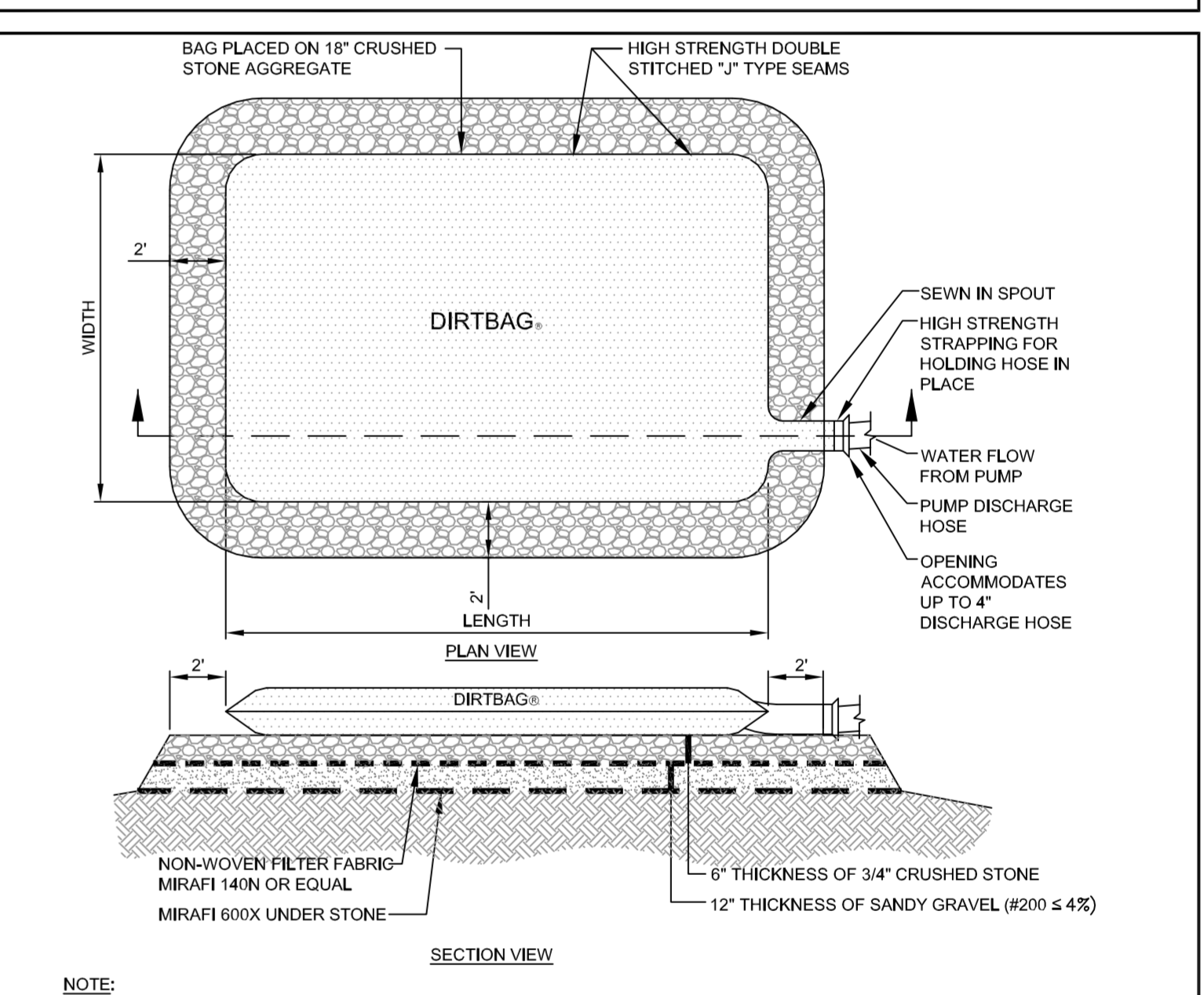
(I) STRAW WATTLE DETAILS
N.T.S.



(J) RIPRAP CHANNEL DETAIL
N.T.S.



(K) GEOTEXTILE PLACEMENT FOR PROTECTION OF SLOPES ADJACENT TO STREAMS AND TIDAL AREAS
N.T.S.



(L) DIRTBAG AND SPECIFICATIONS FOR DEWATERING DETAIL
N.T.S.

- ACCEPTABLE METHODS OF DISCHARGING CONSTRUCTION SITE RUNOFF: DEWATERING OF THE CONSTRUCTION SITE SHALL BE ACCOMPLISHED USING ONE OF THE FOLLOWING MEASURES:
- THE DIRECTION OF THE RUNOFF TO TEMPORARY SEDIMENTATION SLUMPS BY GRAVITY FLOW.
 - THE PUMPING OF DIRTBAGS WITH A DISCHARGE TO A STABILIZED OUTLET.
 - THE PUMPING OF CONSTRUCTION SITE WATER AND COLLECTED RUNOFF TO A DIRTBAG (PATENTED PRODUCT BY ACF ENVIRONMENTAL PRODUCTS) WITH RELEASE THROUGH A VEGETATED BUFFER AT LEAST 50 FEET UPGRADE OF A WETLAND.

(M) DIRTBAG AND SPECIFICATIONS FOR DEWATERING DETAIL
N.T.S.

PRELIMINARY - NOT FOR CONSTRUCTION

PROJECT: BRICK NORTH BUILDING AT THE FOREFRONT AT THOMPSON'S POINT		SHEET TITLE: EROSION AND SEDIMENT CONTROL DETAILS	
DATE: 12.01.14	DESCRIPTION: FINAL PHASE 1A SITE PLAN SUBMITTED TO CITY	DATE: 07.29.14	DESCRIPTION: REVISED PHASE 1A SITE PLAN SUBMITTED TO CITY
DATE: 06.30.14	DESCRIPTION: AMENDED PHASE 1A SITE PLAN SUBMITTED TO CITY	DATE:	DESCRIPTION:
REV	DATE	DESCRIPTION	REVISIONS

CLIENT: FOREFRONT PARTNERS | LP

DATE OF APPROVAL: Dec. 4, 2014

PROJECT NO.: 2014-120