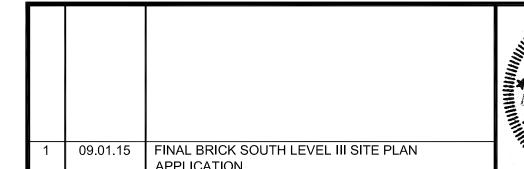
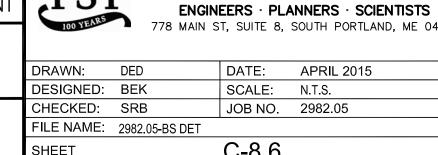
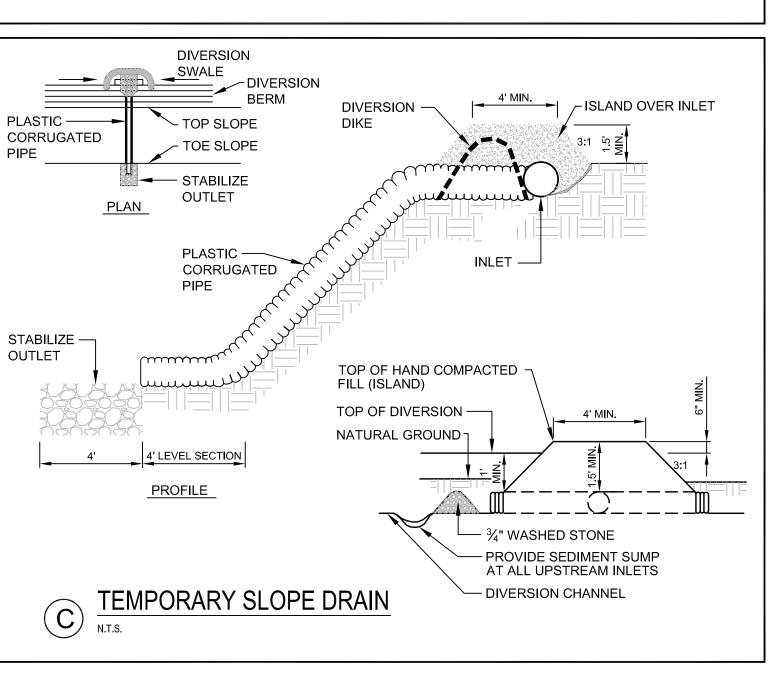


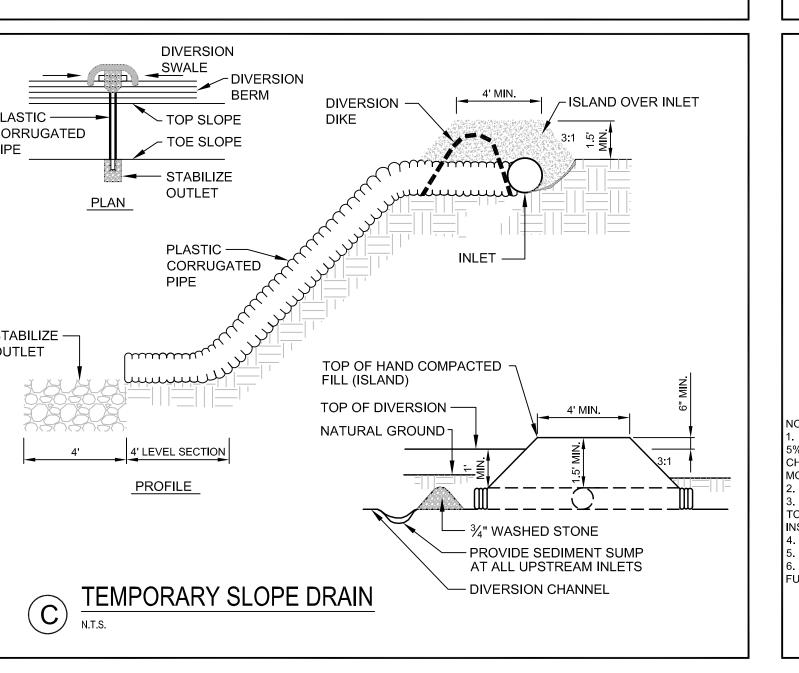
FST FAY, SPOFFORD & THORNDIKE ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106 DRAWN: DED DESIGNED: BEK SCALE: N.T.S. CHECKED: SRB JOB NO. 2982.05 ILE NAME: 2982.05-BS DET C-8.6



BRICK NORTH AND SOUTH BUILDINGS AT THE FOREFRONT AT THOMPSON'S POINT







------ 4" x ½" x 8'-0" ALUMINUM BAR SHAPED

TO FIT FLARED END FILLET AND

TO RCP FLARED END WITH 6  $\frac{3}{8}$ "

- 3" x  $\frac{1}{2}$ " ALUMINUM BAR RACK SPACED

EACH END TO MOUNTING BARS

EVENLY @ 6" O.C. WELD BAR RACK @

TRIM BARS

WIDTH OF THE BLANKET.

ANCHOR THE BLANKETS.

ANCHOR BOLTS

WELD BAR RACK @ -

 $4" \times \frac{1}{2}" \times 2'-6"$  ALUMINUM MOUNTING BAR WITH 4  $\frac{3}{6}$ " ANCHOR BOLTS FOR SECURING MOUNTING BAR TO RCP

**SECTION** 

4"

4½"

5½"

LL CONCRETE

**BLACK LETTERS** 

BACKGROUND

- GALVANIZED "l

— FINISH GRADE

SIGN SHALL BE PLACED IN

A PROMINENT LOCATION

AT WASHOUT AREA

— 6" MIN IMBEDMENT, TYP

V── WOOD STAKE, TYP

**CHANNEL POST** 

ON WHITE

EACH END TO

FLARED END

3'-0"

4'-0"

5'-0"

6'-6"

7'-6"

8'-0"

6'-0"

7'-0" | 5"

MOUNTING BARS

SIDEWALL. SECURE MOUNTING BAR

4" x ½" x 2'-6" ALUMINUM MOUNTING ——

BAR WITH 4 3/8" ANCHOR BOLTS FOR

SECURING MOUNTING BAR TO RCP

4" x ½" x 8'-0" ALUMINUM BAR ———

SHAPED TO FIT FLARED END

SECURE MOUNTING BAR TO

RCP FLARED END WITH 6 %"

3" x ½" ALUMINUM BAR RACK

PLAN VIEW - TYP EACH PIPE

**END VIEW** 

27"

42"

GROOVE ENDS.

AGGREGATE

STRAW BALE, TYP ———

AGGREGATE

2'-3"

3'-7½"

5'-3"

6'-0"

5'-5"

5'-0"

3'-10"

2'-6"

1'-7¾"

2'-10¾"

2'-11"

2'-2"

2'-11"

3'-3"

JOINTS MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND

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

RCP FLARED END WITH BAR RACK DETAIL

POLYETHYLENE

- ANCHOR BALES

WITH (2) 2"x2"x4'

3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.

\_ \_ \_ \_ \_ \_ +

GROUNDWATER TABLE

∑ SEASONAL HIGH

2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.

5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.

STAKES PER

- BALES TO

NOTES:

1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.

4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.

6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

SHEETING

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

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

SPACED EVENLY @ 6" O.C.

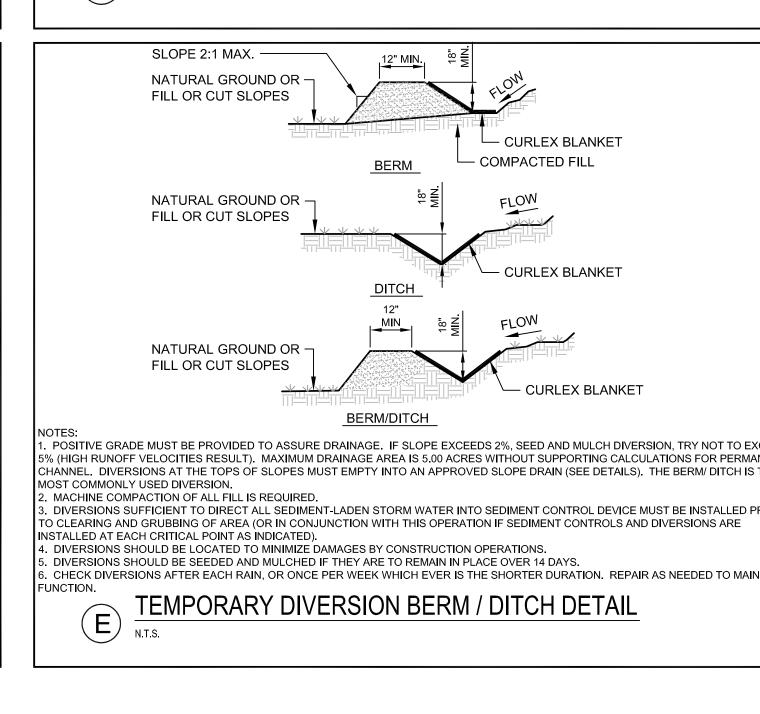
WELD BAR RACK @ EACH

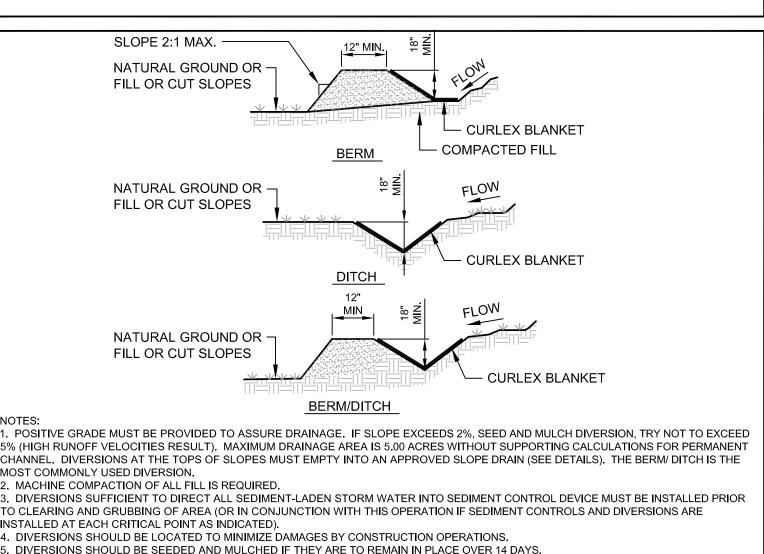
END TO MOUNTING BARS

FILLET AND SIDEWALL.

ANCHOR BOLTS

FLARED END





PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN

APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF

TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF THE BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE

BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES

AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN

YPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP)

5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3"

EROSIONAL CONTROL BLANKET DETAIL FOR SLOPE INSTALLATION

EROSION CONTROL BLANKET

NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE
OR STAKE LENGTHS OPERATED THAN 6" (15cm) MAT BE

OR STAKE LENGTHS GREATER THAN 6" (15cm) MAT BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

(7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.

PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTER

EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.

OVERLAPS AND SEAMS

B) PROJECTED WATER LINE

C) CHANNEL BOTTOM/SIDE SLOPE VERTICES

PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

12" (30CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF

STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30CM) ACROSS THE

3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE

APPROPRIATE LOCATIONS LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES

4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" (10CM-15CM) OVERLAP. USE A DOUBLE ROW OF STAPLES

5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12'

7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30' TO 40' (9M-12M) INTERVALS. USE A DOUBLE

8. THE TERMINAL END OF BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN A 6"

HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE

\*\* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY

**EROSION CONTROL BLANKET DETAIL FOR CHANNEL INSTALLATION** 

(7.5cm)

AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN

3. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"-5" (5CM-12.5CM)(DEPENDING ON BLANKET SIZE) AND STAPLED.

SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.

(30CM) APART IN A 6" (15CM) DEEP X 6" (15CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

ROW OF STAPLES STAGGERED 4" (10CM) APART AND 4" (10CM) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL

(15CM) DEEP X 6" (15CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

STAGGERED 4" (10CM) APART AND 4" (10CM) ON CENTER TO SECURE BLANKETS.

2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" (15CM) DEEP X 6" (15CM) WIDE TRENCH WITH APPROXIMATELY

. CHECK DIVERSIONS AFTER EACH RAIN, OR ONCE PER WEEK WHICH EVER IS THE SHORTER DURATION. REPAIR AS NEEDED TO MAINTAIN

SLOPE SECTION STRAW WATTLE DETAILS

SPACING DEPENDS ON

SOIL TYPE AND SLOPE

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

VERTICAL

SPACING

20'

25'

WATTLES SPACING TABLE

GRADIENT

2:1-1:1

4:1-2:1

6:1-4:1

<6:1

FLARED PIPE DIMENSION SCHEDULE

DIMENSION | 10" / 12" | 15" | 18"

CONSTRUCTED OF HDPE WITH EXTRA

CARBON FOR UV RESISTANCE OR

GALVANIZED CORRUGATED METAL

THE FLARED INLET IS TO BE

PIPE DIAMETER

42" | 41" |

14.5" | 19" | 22"

33" | 34" | 43"

6" | 6" | 6"

(75MM-125MM)

(200MM-250MM)

DIRECTION OF

5' MINIMUM OFFSET -

BETWEEN ADJACENT

ROLL ENDS (IF NECESSARY)

GEOTEXTILE

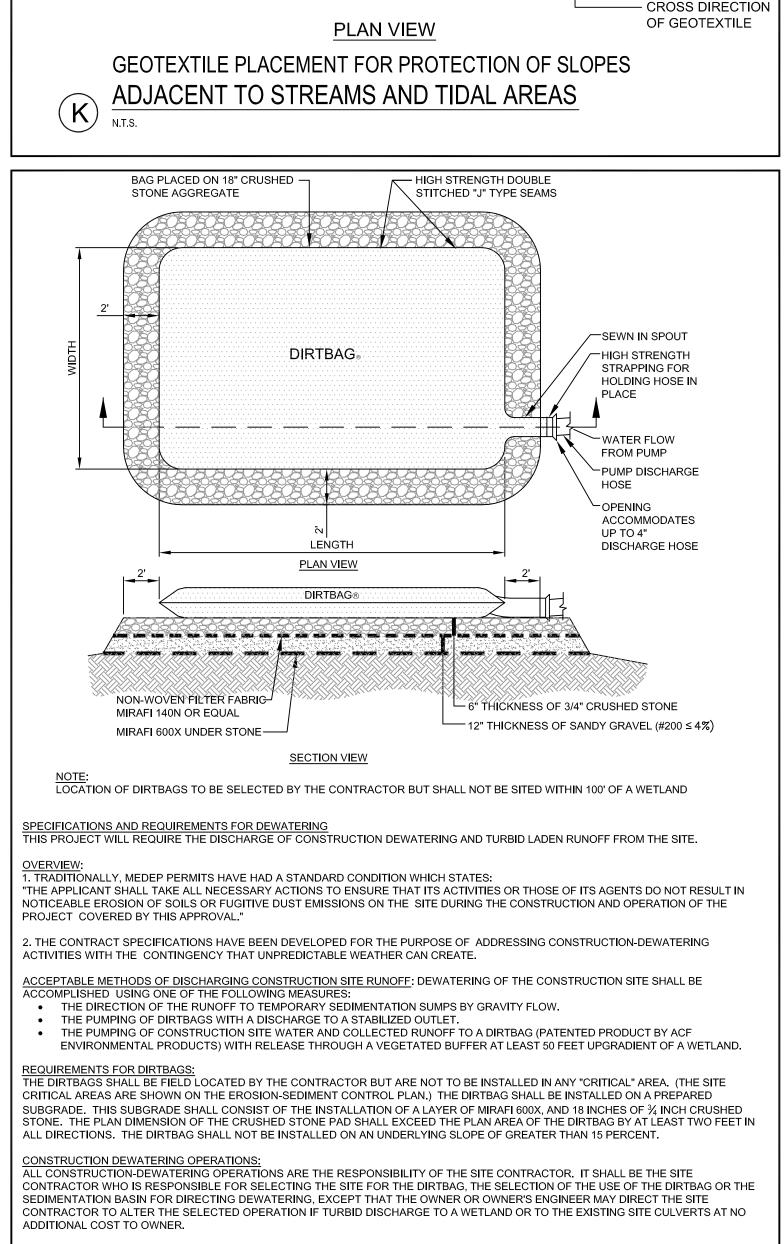
PREVENT THE DIRTBAG FROM SUBSTANTIAL FREEZING.

ALL DIRECTIONS. THE DIRTBAG SHALL NOT BE INSTALLED ON AN UNDERLYING SLOPE OF GREATER THAN 15 PERCENT. ALL CONSTRUCTION-DEWATERING OPERATIONS ARE THE RESPONSIBILITY OF THE SITE CONTRACTOR. IT SHALL BE THE SITE SEDIMENTATION BASIN FOR DIRECTING DEWATERING, EXCEPT THAT THE OWNER OR OWNER'S ENGINEER MAY DIRECT THE SITE

IN THE EVENT THAT WINTER OPERATIONS ARE REQUIRED, THE CONTRACTOR SHALL "POLY", ENCLOSE, AND PROVIDE TEMPORARY HEAT TO

THE WEEKLY EROSION-SEDIMENT CONTROL REPORTS PREPARED IN ACCORDANCE WITH THE NPDES PERMIT SHALL MAINTAIN A LOG OF

THE LOCATION, USE, AND REMOVAL OF DIRTBAGS. IN THE EVENT THAT THE STONE UNDER THE DIRTBAG BECOMES HIGHLY CONTAMINATED WITH FINES, THE NEXT DIRTBAG SHALL BE INSTALLED IN A DIFFERENT LOCATION. DIRTBAG AND SPECIFICATIONS FOR DEWATERING DETAIL



└─MIRAFI 500X OR APPROVED EQUAL

- SEWN SEAMS OR

MINIMUM 900mm

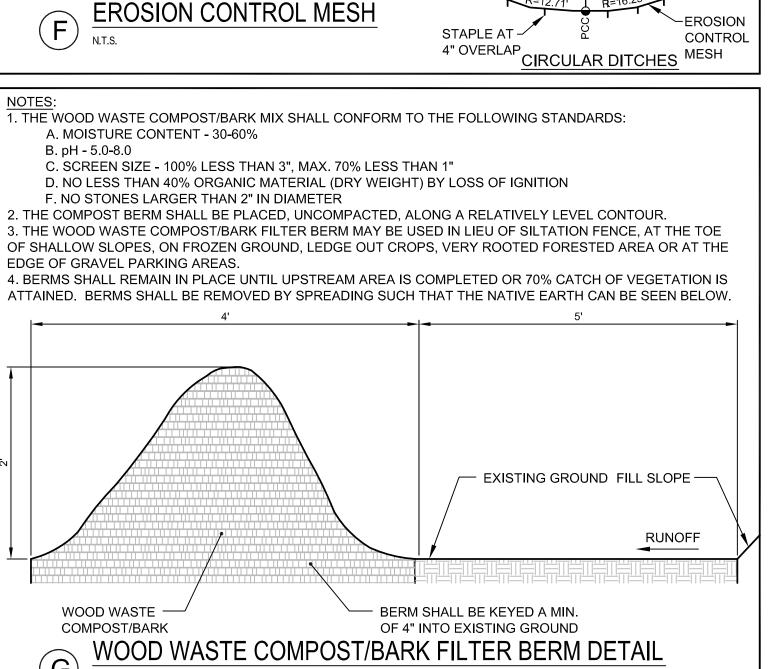
OVERLAP 450mm

**OVERLAP IF SLOPE** IS FLATTER THAN

RIPRAP D₅=10", THICKNESS=24"

EXTEND CHANNEL INTO RECEIVING VEGETATED CHANNEL AND CONTINUE DOWNSTREAM 30'

**DIRECTION OF SLOPE** 



- GRADE SLOPE

TO MATCH

—TOE TROUGH

-USE ANGLE CLIPS AND

STAKES TO SECURE

FLARED INLETS FOR 10" TO 18" PIPES

- VARIES SEE WATTLES SPACING TABLE BELOW

MATTER, AND NATIVE SEEDS ARE CAPTURED

BEHIND THE ROLLS

