

LEGEND

- X-X- EXISTING CHAIN LINK FENCE
- X-X- NEW CHAIN LINK FENCE
- 101- EXISTING CONTOUR LINE
- 102- PROPOSED CONTOUR LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- NEW EDGE OF GRAVEL
- NEW SUBSTATION GRAVEL APRON
- SD- EXISTING STORM DRAIN LINE
- SD- PROPOSED STORM DRAIN LINE
- SF- SILT FENCE
- PROPOSED CATCH BASIN
- ⊙ PROPOSED DRAIN MANHOLE

EXTEND SEDIMENT CONTROL FENCE TO NORTHEAST CORNER OF S/S FENCE APPROXIMATELY 325 LINEAR FEET

CONSTRUCTION SEQUENCE AND NOTES:

1. PERFORM ALL WORK IN ACCORDANCE WITH THE NORTHEAST RELIABILITY INTERCONNECT PROJECT EROSION & SEDIMENTATION CONTROL PLAN (THE NRI E&S PLAN).
2. ESTABLISH LIMITS OF WORK FOR THE CONSTRUCTION ACTIVITY; IDENTIFY AND MARK SENSITIVE RESOURCES.
3. CLEAR TIMBER AND BRUSH. DO NOT GRUB UNTIL JUST PRIOR TO GROUND DISTURBANCE AND ESTABLISHMENT AND STABILIZATION OF TEMPORARY AND PERMANENT DRAINAGE COURSES.
4. INSTALL SILT FENCING OR OTHER EROSION CONTROL BARRIERS ALONG THE DOWNHILL LIMIT OF WORK, AS SHOWN ON DRAWING ES-1: EROSION AND SEDIMENTATION CONTROL PLAN. WHERE SILT FENCE CANNOT BE TOED-IN PROPERLY DUE TO TREE ROOTS, ROCKS OR FROZEN GROUND, AN EROSION CONTROL MIX BERM MAY BE SUBSTITUTED.
5. STABILIZE TEMPORARY AND PERMANENT ROADWAYS, CONSTRUCTION LAYDOWN AND PARKING AREAS WITH GRAVEL SUBBASE.
6. CONSTRUCT AND STABILIZE TEMPORARY OR PERMANENT DRAINAGE AND DIVERSION COURSES, DRAINAGE SWALES, CULVERTS, INLET AND OUTLET STRUCTURES, THE STORM WATER DETENTION POND AND PLUNGE POOL PRIOR TO CONVEYANCE OF ANY WATER.
7. COMPLETE POND CONSTRUCTION AND STABILIZE EMBANKMENT WITHIN 3 WEEKS OF INITIATING CONSTRUCTION. INSTALL FINAL EROSION CONTROL BLANKETS OR ANCHORED MULCH WITHIN 24 HOURS OF FINAL GRADING OF POND. IF DEWATERING IS REQUIRED, PUMP TO EITHER A GEOTEXTILE-LINED HAY BALE IMPOUNDMENT, AN ACF ENVIRONMENTAL "DIRT BAG," OR APPROVED EQUIVALENT. SEDIMENT BASIN/DIRT BAG DISCHARGE MUST BE TO A WELL-VEGETATED AREA AND AT A CONTROLLED RATE TO PREVENT EROSION.
8. STABILIZE ANY EXPOSED SLOPES GREATER THAN 8% AND NEWLY CONSTRUCTED DRAINAGE SWALES WITH ANCHORED EROSION CONTROL BLANKETS OR OTHER APPROVED MULCHING TECHNIQUES.
9. INSTALL CHECK DAMS IN DRAINAGE SWALES WITHIN 24 HOURS OF SHAPING SWALE AND PRIOR TO STABILIZATION OF CHANNELS.
10. EXCAVATE FOR THE FOUNDATION OF THE STRUCTURES. PUMP EXCAVATION SEEPAGE AND RUNOFF TO A TEMPORARY SEDIMENTATION TRAP THAT DISCHARGES TO A VEGETATED SWALE OR THE STORM WATER DETENTION POND. CONTROL AND DIRECT RUNOFF FROM THE EXCAVATION AREAS TO THE STABILIZED SITE DRAINAGE SYSTEM USING WATER BARS, BERMS OR HAY BALES.
11. REMOVE EXCESS SPOILS FROM SITE. STABILIZE DISTURBED GROUND OR SPOIL STOCKPILES WITH ANCHORED MULCH WITHIN 48 HOURS OR IMMEDIATELY IF SIGNIFICANT RAIN OR SNOW MELT IS ANTICIPATED. BETWEEN APRIL 16 AND OCTOBER 31, TEMPORARY SEED THESE AREAS IF FINAL STABILIZATION IS NOT EXPECTED WITHIN 30 DAYS. APPLY ANCHORED MULCH DAILY, AS NEEDED, DURING WINTER CONSTRUCTION.
12. INSPECT AND REPAIR EROSION CONTROL MEASURES WEEKLY AND AFTER A 1/2 INCH OR GREATER RAIN STORM. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE BARRIER.
13. MONITOR FIELDS POND ROAD FOR SIGNS OF TRACKING AND SPILLING OF SPOILS MATERIALS ON THE ROADWAY. CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE IF REQUIRED BY A BHE REPRESENTATIVE OR THIRD PARTY INSPECTOR.
14. COMPLETE FOUNDATIONS, INSTALL SUBSTATION STRUCTURES AND OTHER ELECTRICAL EQUIPMENT. BRING SUBSTATION YARD TO FINISH GRADE WITH GRAVEL AND CRUSHED STONE AND INSTALL THE PERIMETER FENCE.
15. CONSTRUCT AND STABILIZE ANY ADDITIONAL PERMANENT VEGETATED SWALES WITH EROSION CONTROL BLANKETS AND/OR CHECK DAMS AND PERMANENT SEEDING.
16. FINISH GRADE, LOAM, SEED, MULCH, AND ANCHOR THE CUT AND FILL SLOPES AND OTHER DISTURBED AREAS OUTSIDE THE FENCE WITHIN 48 HOURS FROM FINAL GRADING.
17. MAINTAIN TEMPORARY EROSION CONTROLS, AS NEEDED, UNTIL SITE IS STABILIZED; I.E., VEGETATED AREAS HAVE A HEALTHY CATCH OF VEGETATION OVER APPROXIMATELY 90% OF THE SEEDDED AREA. RESEED SPARSELY VEGETATED AREAS.
18. INSTALL TEMPORARY AND/OR PERMANENT MULCHING AND SEEDING IN ACCORDANCE WITH TABLES 5, 6 OR 7 IN THE NRI E&S PLAN.



EROSION CONTROL PLAN
SCALE: 1"=20'

NO.	REVISION	DATE	BY	CK	P.E. STAMPED	P.E. No.
A	ISSUED FOR CLIENT REVIEW	01-21-05	PSK			
B	ISSUED FOR CLIENT REVIEW	1-28-05	EVD	DTB		
C	ISSUED FOR CLIENT REVIEW	2-14-05	EVD	DTB		
D	ISSUED FOR PERMIT	4-28-05	EVD	DTB		



CLIENT APPROVAL	DTB DESIGNED
	EVD DRAWN
APPROVED BY	DTB CHECKED
COMPANY	DTB APPROVED
DATE	

**BANGOR HYDRO-ELECTRIC
NORTHEAST RELIABILITY INTERCONNECT
EROSION CONTROL PLAN**

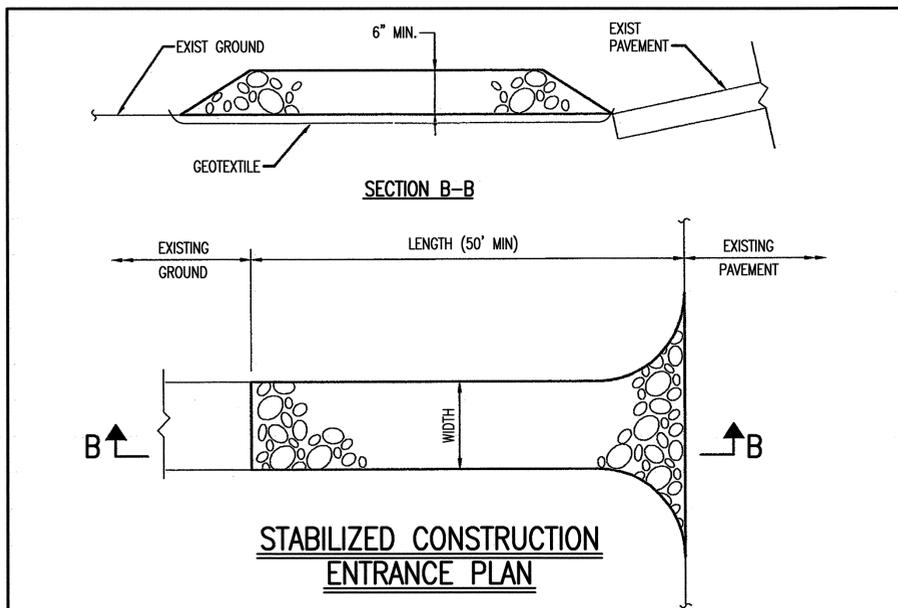
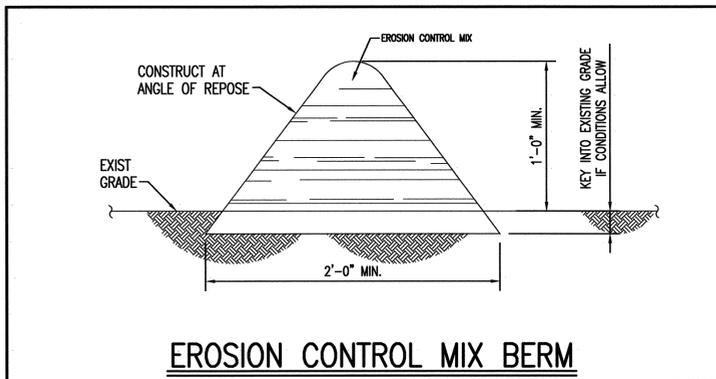
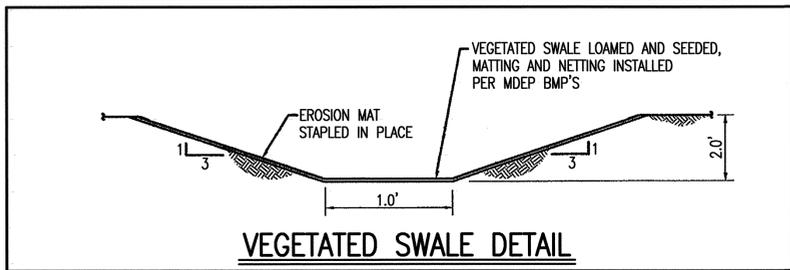
ORRINGTON SUBSTATION ORRINGTON, MAINE

TRC 249 Western Avenue
Augusta, Maine 04330

SCALE: AS NOTED DATE: 1-17-04

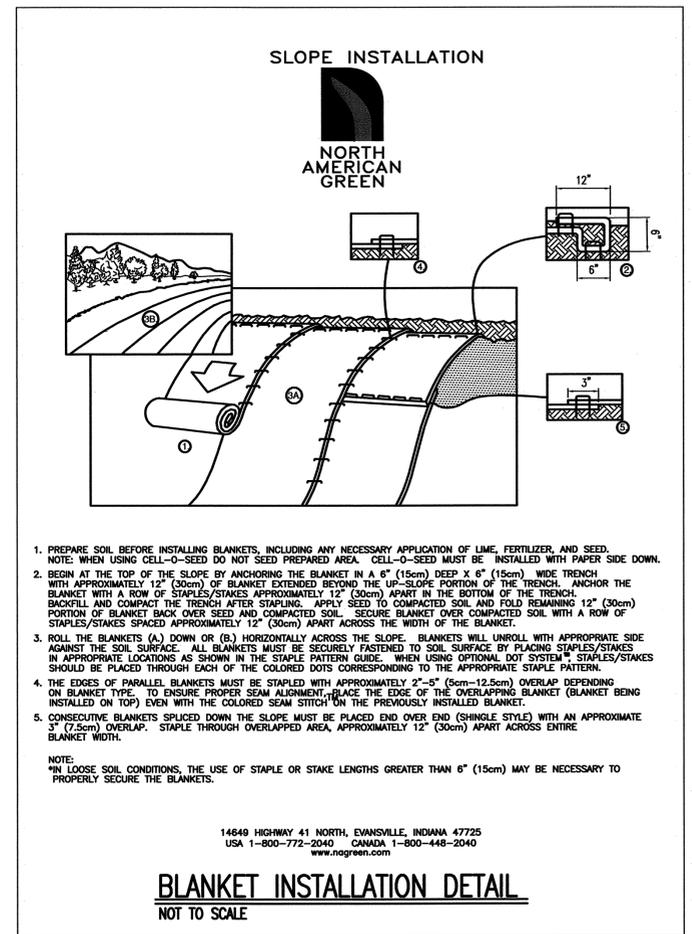
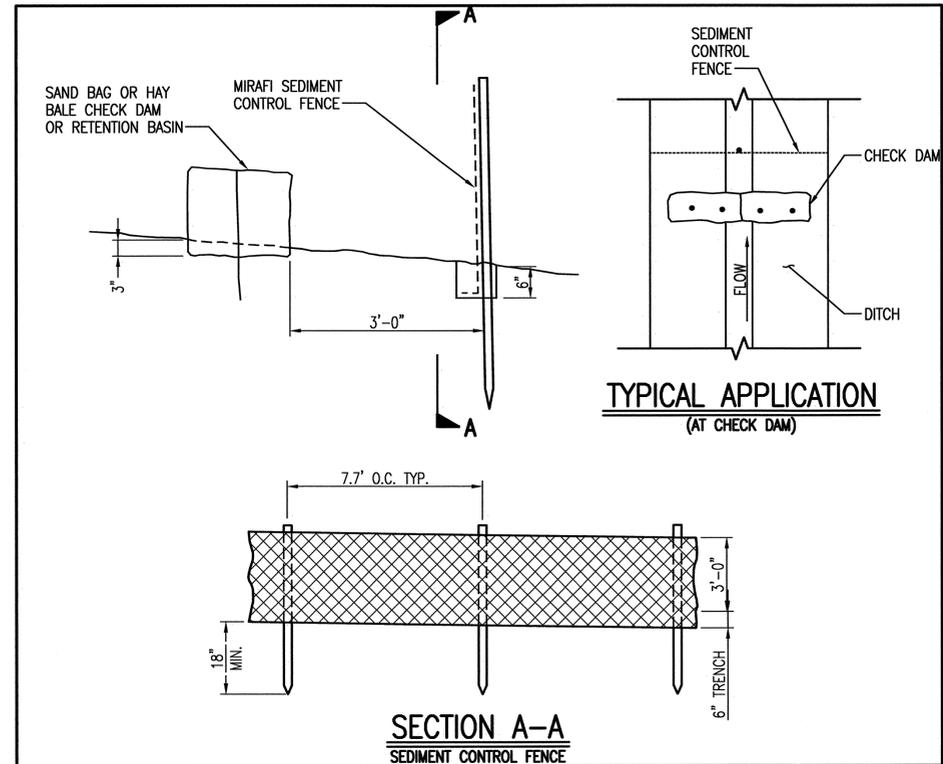
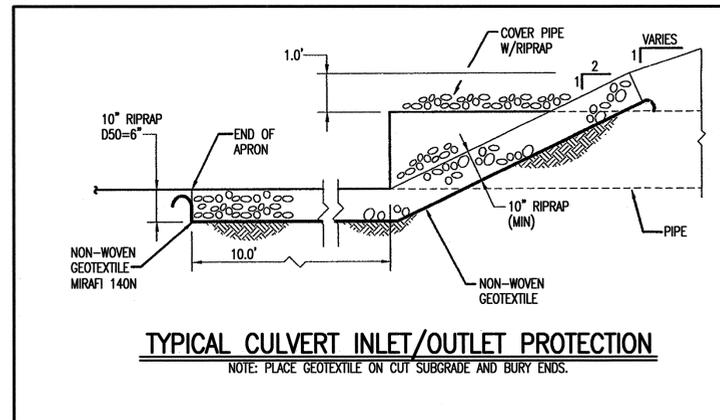
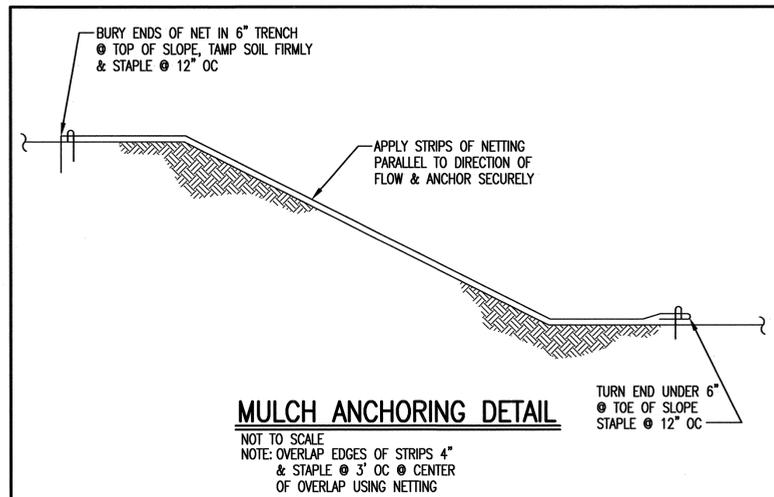
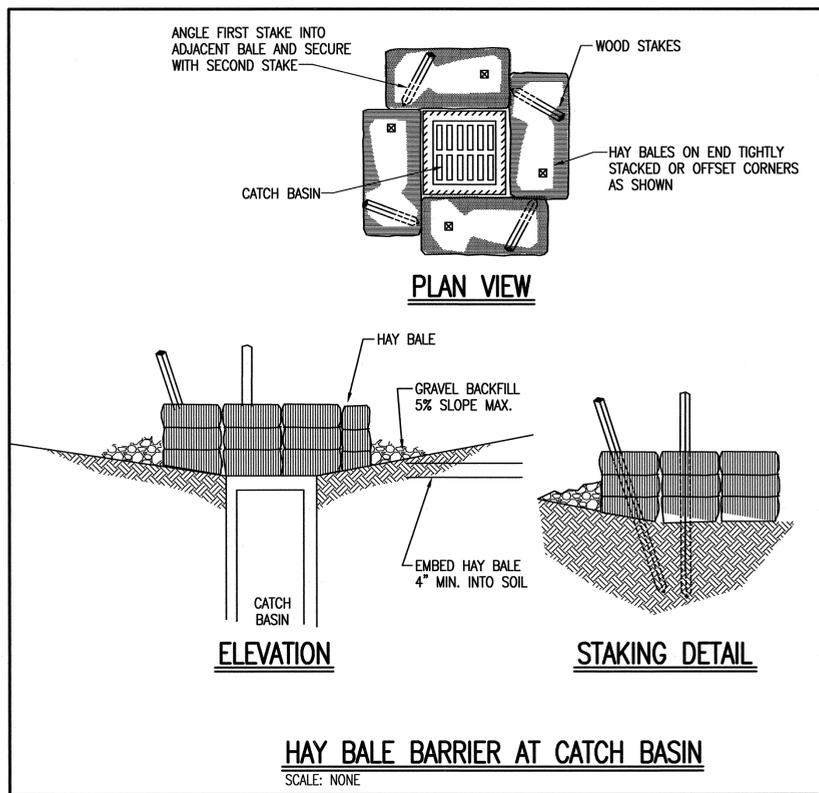
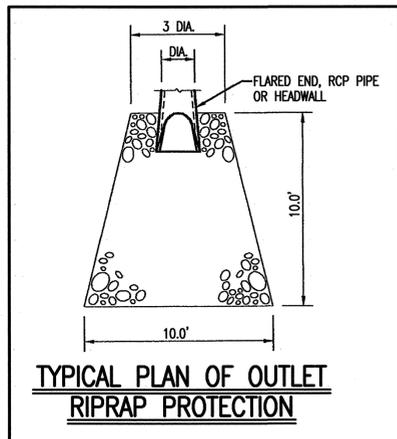
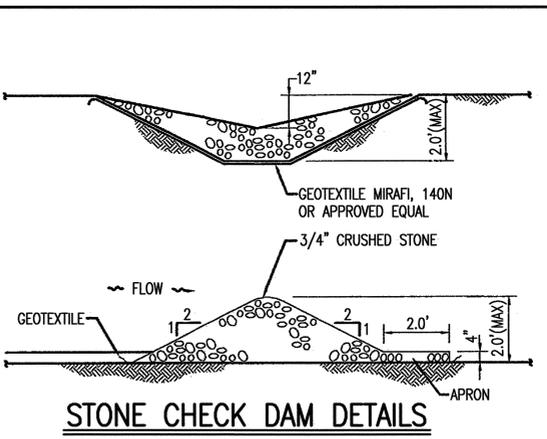
REV. D

TRC 249 Western Ave, Augusta, Maine 04330
PROJECT NO: 10545 CONTRACT DWG NO: 10545-C4
FILENAME: 10545-C4.DWG



NOTES FOR STABILIZED CONSTRUCTION ENTRANCE:

1. AGGREGATE: AGGREGATE SUBBASE
2. AGGREGATE THICKNESS: NOT LESS THAN SIX (6) INCHES.
3. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. LENGTH: AS REQUIRED, BUT NOT LESS THAN 50 FEET. GEOTEXTILE: MIRAFI 100X, OR EQUIVALENT TO BE PLACED OVER THE ENTIRE AREA TO BE COVERED WITH AGGREGATE. PIPING OF SURFACE WATER UNDER ENTRANCE SHALL BE PROVIDED AS REQUIRED.
5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO EXISTING DRIVES OR PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY OR EXISTING DRIVES SHALL BE REMOVED IMMEDIATELY.



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDING 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) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. 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 OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING 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.
5. CONSECUTIVE BLANKETS SPUNCE DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.6cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

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APPROVED BY	EVD DRAWN
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	REVIEWED

BANGOR HYDRO-ELECTRIC
NORTHEAST RELIABILITY INTERCONNECT
EROSION CONTROL DETAILS
ORRINGTON SUBSTATION ORRINGTON, MAINE

TRC Companies, Inc.
249 Western Avenue
Augusta, Maine 04330

SCALE AS NOTED DATE 1-17-04

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REV. D