

GENERAL NOTES:

1. ALL LANDSCAPE AREAS, EMBANKMENT SLOPES AND ALL DISTURBED AREAS ARE TO RECEIVE 4" PLANTABLE SOIL AND RESIDENTIAL SEED.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH "DIG SAFE PROGRAM LAW" ENACTED BY THE R.I. LEGISLATURE AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY CITY, STATE OR FEDERAL AGENCY THAT MAY BE APPLICABLE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. ALL REQUIRED AUTHORIZATION TO PERFORM WORK MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION OPERATIONS INCLUDING ALL ACTIONS OR OMISSIONS OF ANY SUBCONTRACTORS, AGENTS OR EMPLOYEES. THE CONTRACTOR MUST ENSURE THAT THE CONDITIONS OF ALL PERMITS, SPECIFICATIONS AND FEDERAL, STATE AND LOCAL REGULATIONS ARE STRICTLY ENFORCED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL ASPECTS OF ON-SITE SAFETY INCLUDING ANY DAMAGE TO EXISTING STRUCTURES.
5. ALL DISTURBED AREAS SHALL BE REPLACED IN KIND UNLESS OTHERWISE SHOWN.
6. IN ADDITION TO THE CONTRACT DOCUMENT, SPECIFICATIONS TO GOVERN THIS PROJECT ARE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, INCLUDING ALL REVISIONS AND SUPPLEMENTAL SPECIFICATIONS. STANDARD DETAILS FOR THIS PROJECT ARE RHODE ISLAND STANDARD DETAILS; 1998 EDITION, INCLUDING ALL REVISIONS. PROJECT SPECIFIC SPECIFICATIONS AND DETAILS SHOWN ON THE PLANS SHALL SUPERCEDE THE R.I.D.O.T. SPECIFICATIONS AND DETAILS.
7. WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR LABELS, DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS NECESSARY TO COMPLETE THE PROJECT. ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND MUST BE ACCEPTABLE TO THE OWNER AND THE ENGINEER.
8. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY WORK.

FLOOD ZONE NOTES:

1. THE BERKELEY AVENUE SITE IS LOCATED WITHIN FLOOD ZONE 'AE' (AREA SUBJECT TO 100-YEAR FLOOD), AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR THE TOWN OF MIDDLETOWN, RHODE ISLAND, NEWPORT COUNTY, PANEL 94 OF 226, COMMUNITY PANEL NO. 44005C0094H, DATED APRIL 5, 2010.
2. THE GREEN END AVENUE SITE IS PARTIALLY LOCATED WITHIN FLOOD ZONE 'AE' (AREA SUBJECT TO 100-YEAR FLOOD), AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR THE TOWN OF MIDDLETOWN, RHODE ISLAND, NEWPORT COUNTY, PANEL 94 OF 226, COMMUNITY PANEL NO. 44005C0094H, DATED APRIL 5, 2010.

LAYOUT NOTE:

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

ANY ITEM FOUND WHICH DOES NOT MATCH THE PLANS MUST BE BROUGHT TO THE OWNER'S AND ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE OWNER AND ENGINEER.

Office of Water Resources
 AUG 26 2011
 Environmental Management

EROSION CONTROL AND SOIL STABILIZATION PROGRAM

1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING, THE ROADWAY DRAINAGE SYSTEM, WETLANDS AND ADJACENT PROPERTY.
1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING, THE ROADWAY DRAINAGE SYSTEM, WETLANDS AND ADJACENT PROPERTY.
2. DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME.
3. ALL DISTURBED SLOPES, EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE.
4. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS, SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE OWNER OR THE ENGINEER.
5. HAY OR STRAW APPLICATIONS SHALL BE IN THE AMOUNT OF 3,000-4,000 LBS/ACRE.
6. ALL HAY BALES SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED AND POTENTIAL SEDIMENTATION SOURCES ARE REMOVED.
7. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT/REPLACE AS NEEDED.
8. ADDITIONAL HAY BALES SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER OR OWNER.
9. THE CONTRACTOR SHALL REFERENCE THE "R.I. EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, AS A GUIDE.
10. ESTIMATED TOTAL AREA OF DISTURBANCE= 0.27 ACRES
 ESTIMATED CONSTRUCTION START DATE: SEPTEMBER 15, 2011
 ESTIMATED CONSTRUCTION END DATE: DECEMBER 15, 2011

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY CONSTRUCTION SIGNS, BARRICADES, CHANNELING DEVICES AND LANE CLOSURES, ETC. SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
2. TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
3. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS WILL NOT BE PARKED IN THE STATE RIGHT-OF-WAY.
4. SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 DIVISION OF ENVIRONMENTAL RESOURCES
 PERMITTING AND COMPLIANCE PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED SEP 30 2011 FILE # 11-0169
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PLAN SYMBOLS

- 4DY 4" DOUBLE YELLOW EPOXY RESIN PAVEMENT MARKING
- 4W 4" WHITE EPOXY RESIN PAVEMENT MARKING

GENERAL NOTES

TOWN OF MIDDLETOWN
GREEN END AVE. AND BERKELEY AVE.
STORMWATER RETROFIT PROJECT
MIDDLETOWN, R. I.

DATE: AUGUST 2011 NO SCALE SHEET 1 OF 4



- Civil
- Transportation
- Environmental
- Site Planning
- Land Surveying

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INSTALL TEMPORARY FLOATING SILT CURTAIN DURING REMOVAL OF ACCUMULATED SEDIMENTS FROM THE RIVER



Limit of Disturbance extended per RIDEM

REMOVE & DISPOSE ACCUMULATED SEDIMENTS

PAVED WATERWAY TO REMAIN (5± L.F.)

SILT FENCE (20± L.F.)

R&D PAVED WATERWAY

CHECK DAM

BMP#1
NEW GRASS SWALE WITH CHECK DAMS

LIMIT OF DISTURBANCE

CONC. CULVERT

GUARDRAIL

PERENNIAL RIVER (>10')

10' RIP-RAP

SILT FENCE (40± L.F.)

CHECK DAM

R&D DRAINAGE PIPE

LIMIT OF DISTURBANCE

CHECK DAM

BMP#2
NEW GRASS SWALE WITH CHECK DAMS

10' RIP-RAP

Edge of Pavement

BERKELEY AVENUE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESH WATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATE: SEP 30 2011 FILE # 11-0169
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

[Signature]

Environmental Management

AUG 26 2011



- Civil
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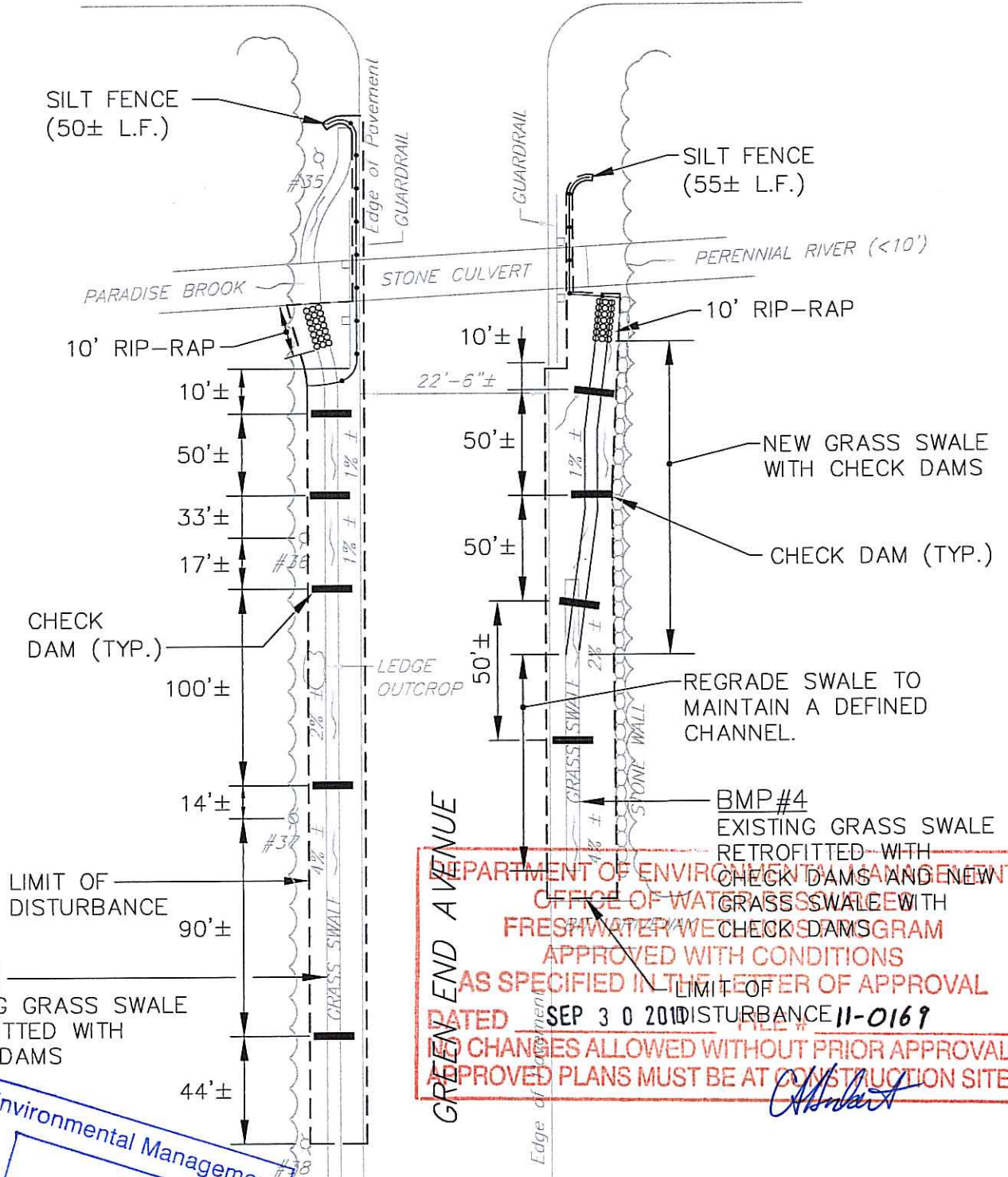
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PROJECT TITLE:
TOWN OF MIDDLETOWN
GREEN END AVE. AND BERKELEY AVE.
STORMWATER RETROFIT PROJECT
MIDDLETOWN, R. I.

DRAWING TITLE:
BERKELEY AVENUE
BMPs #1 and #2 DETAIL

DATE: AUGUST 2011	SCALE: NO SCALE
REVISIONS:	
SHEET 2 OF 4	

THIRD BEACH ROAD



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER MANAGEMENT
 FRESHWATER WE CHECK DAMS GRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED SEP 30 2010
 CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

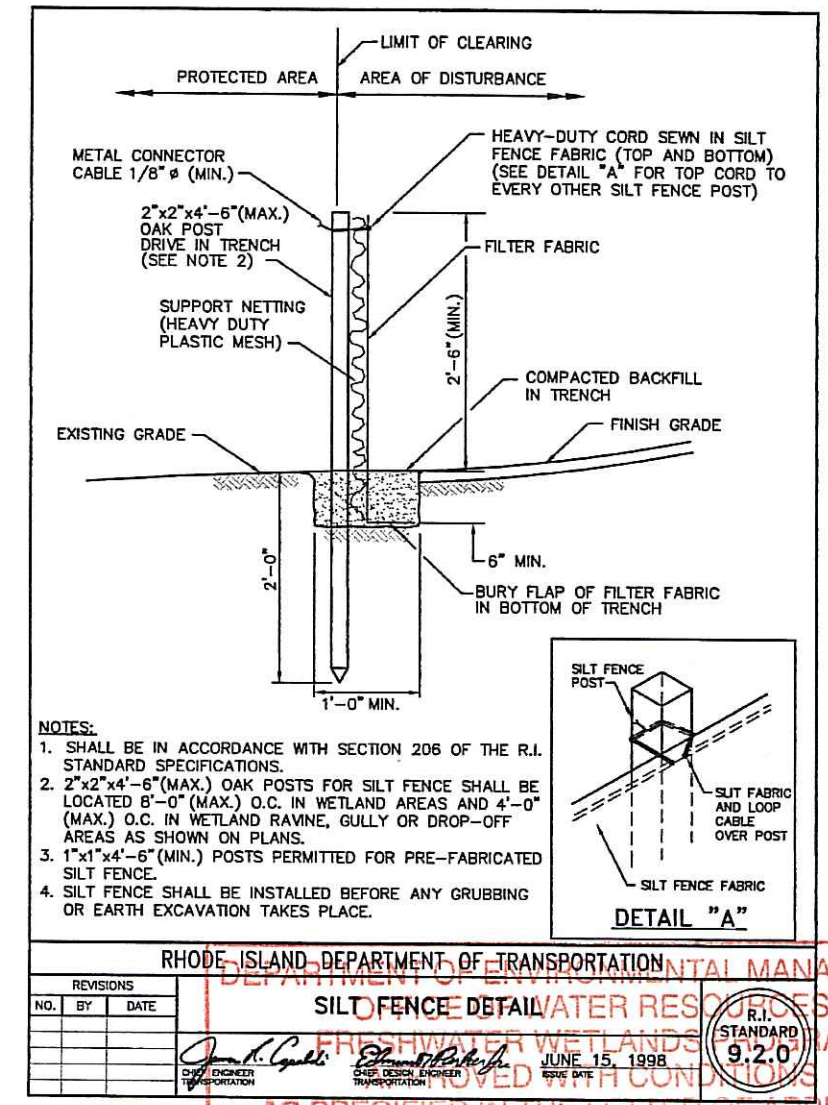
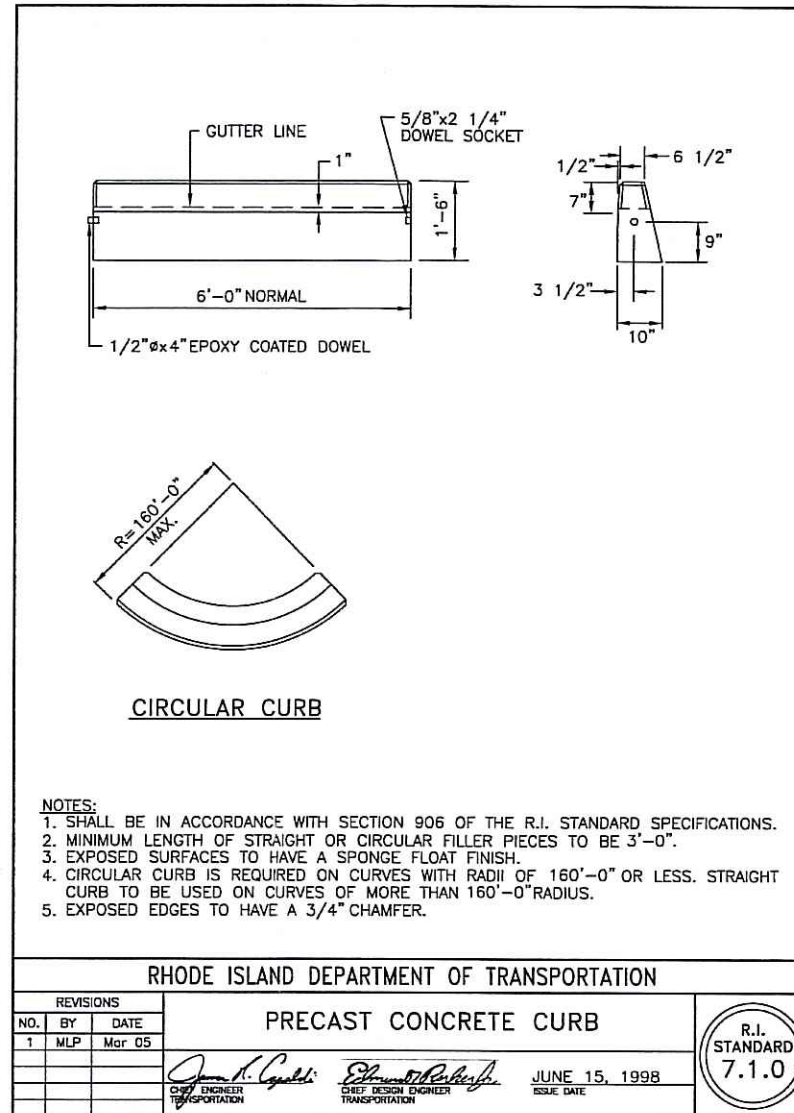


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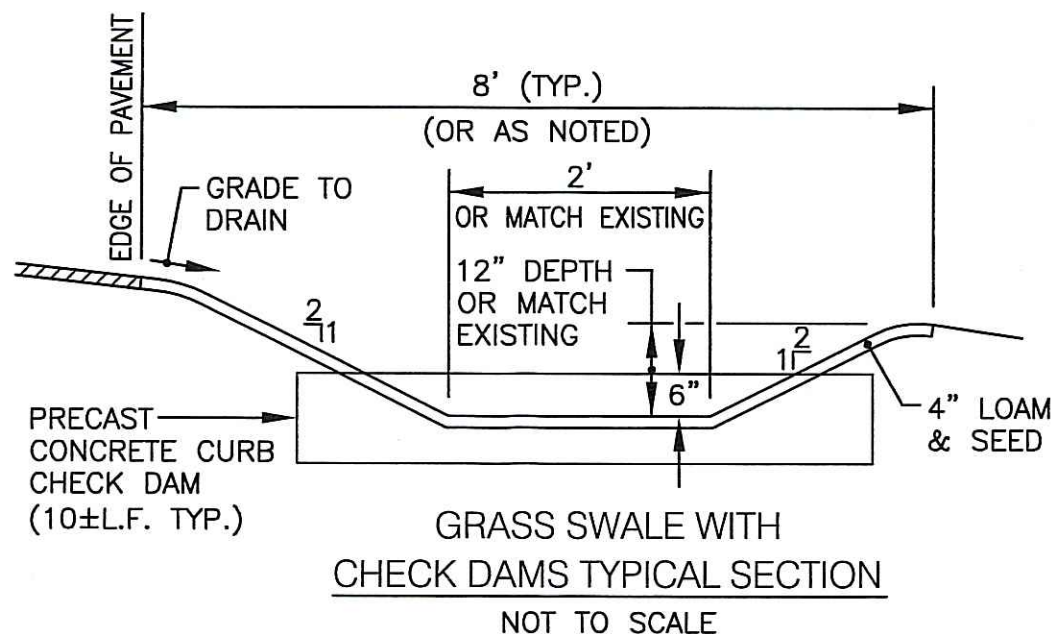
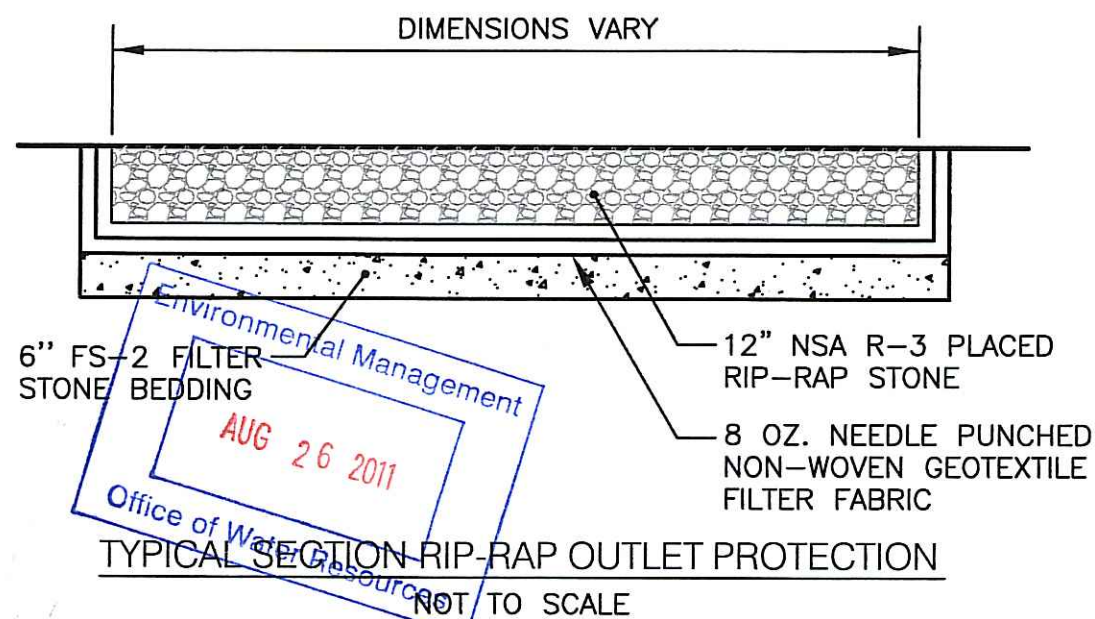
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PROJECT TITLE:
TOWN OF MIDDLETOWN
GREEN END AVE. AND BERKELEY AVE.
STORMWATER RETROFIT PROJECT
MIDDLETOWN, R. I.

DRAWING TITLE: GREEN END AVENUE BMPs #3 and #4 DETAIL	
DATE: AUGUST 2011	SCALE: NO SCALE
REVISIONS:	
SHEET 3 OF 4	



AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 30 2011 FILE # 11-0167
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



MISCELLANEOUS DETAILS - 1

TOWN OF MIDDLETOWN
GREEN END AVE. AND BERKELEY AVE.
STORMWATER RETROFIT PROJECT
MIDDLETOWN, R. I.

DATE: AUGUST 2011 NO SCALE SHEET 4 OF 4

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