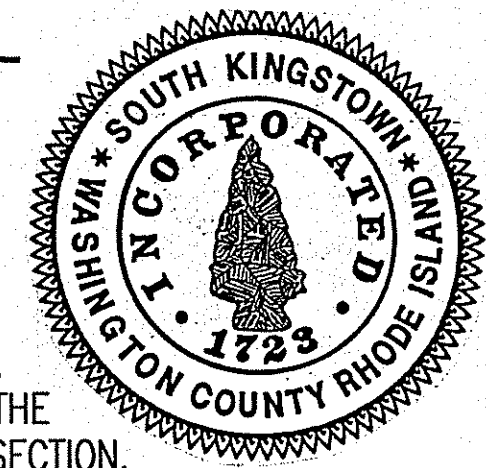
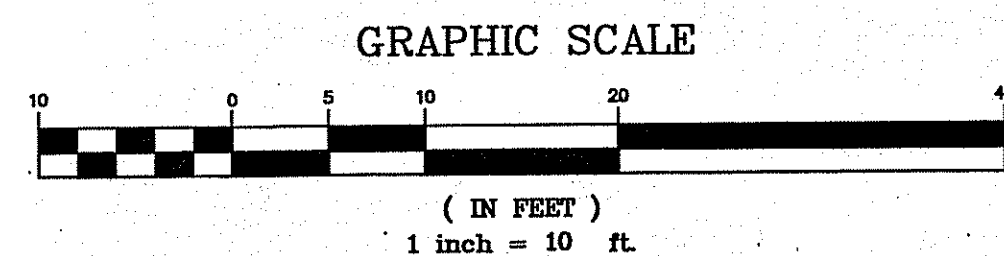
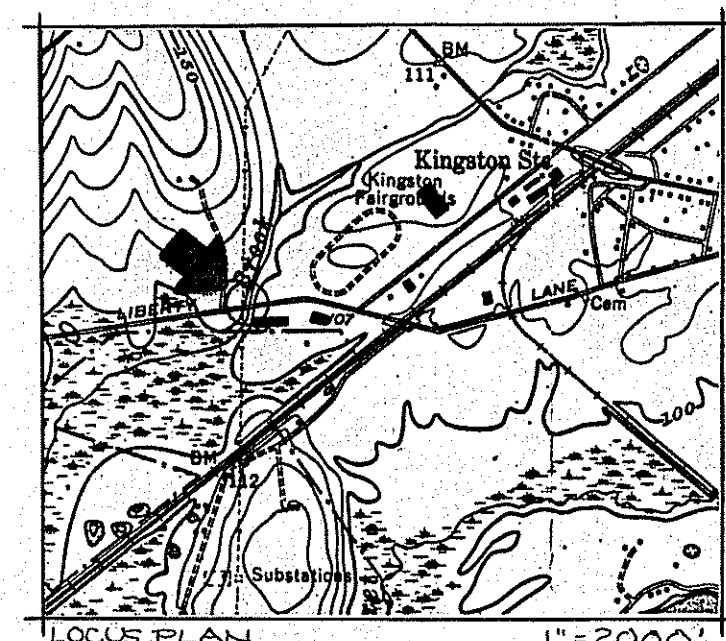
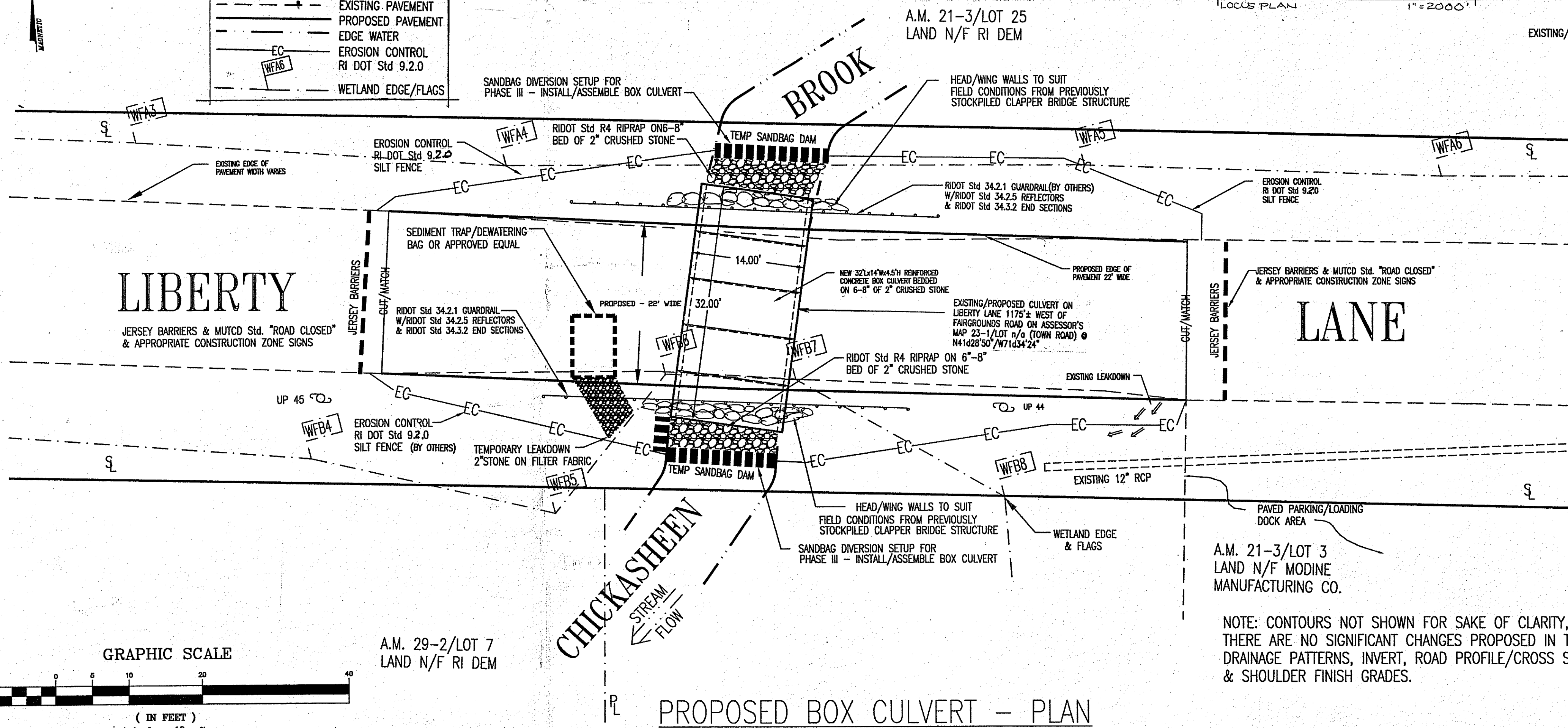


DEMOLITION/STREAM DIVERSION PLAN:
PHASE I - R&D FLEXIBLE PAVEMENT & GRAVEL TO EXPOSE CONCRETE SLAB; SAWCUT SLAB OVER CENTER PIER; DIVERT STREAMFLOW THRU EAST CHANNEL W/SANDBAGS; R&D CONCRETE SUPERSTRUCTURE; REMOVE/STOCKPILE WEST ABUTMENT & GRANITE COMPONENTS FOR LATER USE; PREPARE WEST CHANNEL FOR BOX CULVERT
PHASE II - DIVERT STREAMFLOW THRU WEST CHANNEL W/SANDBAGS; R&D CONCRETE SUPERSTRUCTURE; REMOVE/STOCKPILE CENTER PIER, ABUTMENT & GRANITE CLAPPERS FOR LATER USE; EXCAVATE EXCESS MATERIAL TO PREPARE STREAMBED WITH 2\"/>

LEGEND/KEY

	STREETLINE
	PROPERTY LINE
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	EDGE WATER
	EROSION CONTROL
	WETLAND EDGE/FLAGS



TOWN OF SOUTH KINGSTOWN, RHODE ISLAND

DRAWING NO. 1

CHICKASHEEN BROOK CULVERT REPLACEMENT PROJECT ON LIBERTY LANE, WEST KINGSTON

DEPT PUBLIC SERVICES DATE 01/08 DRN PJR APPR

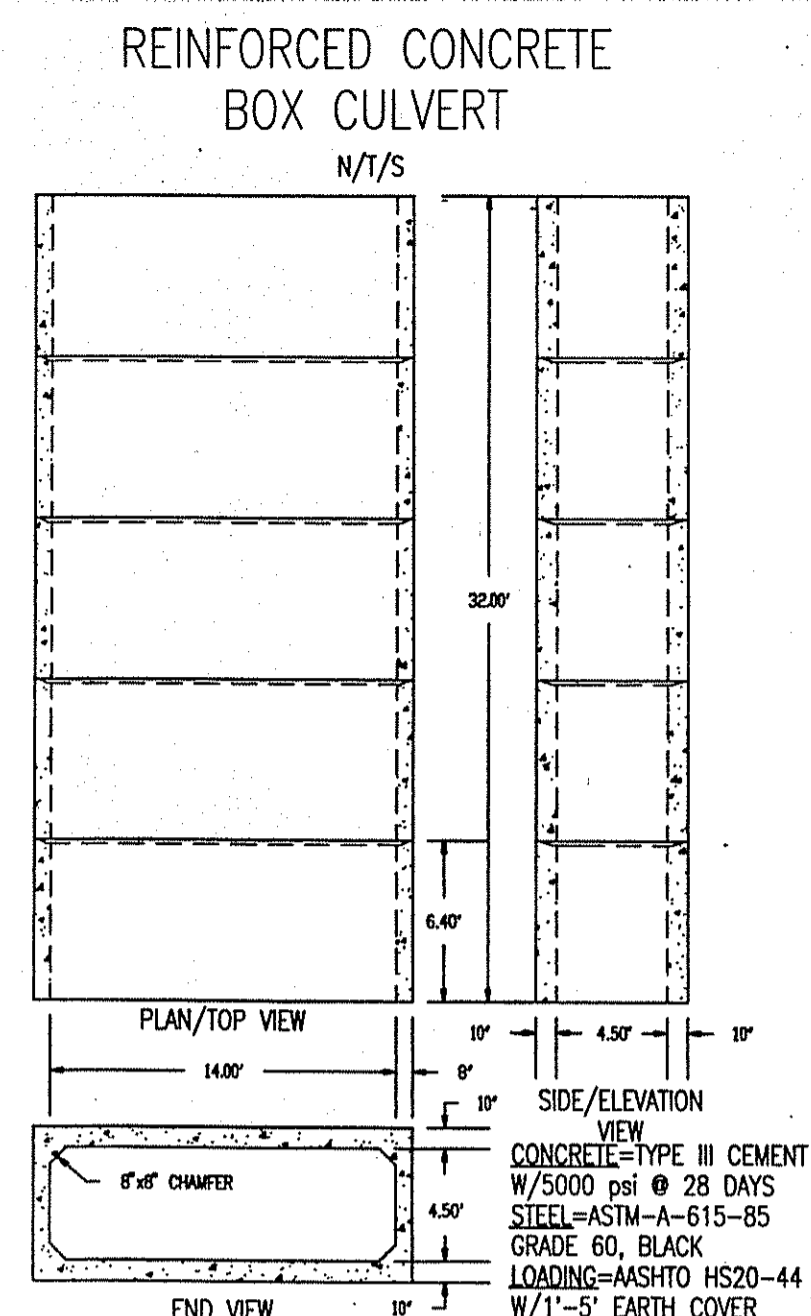
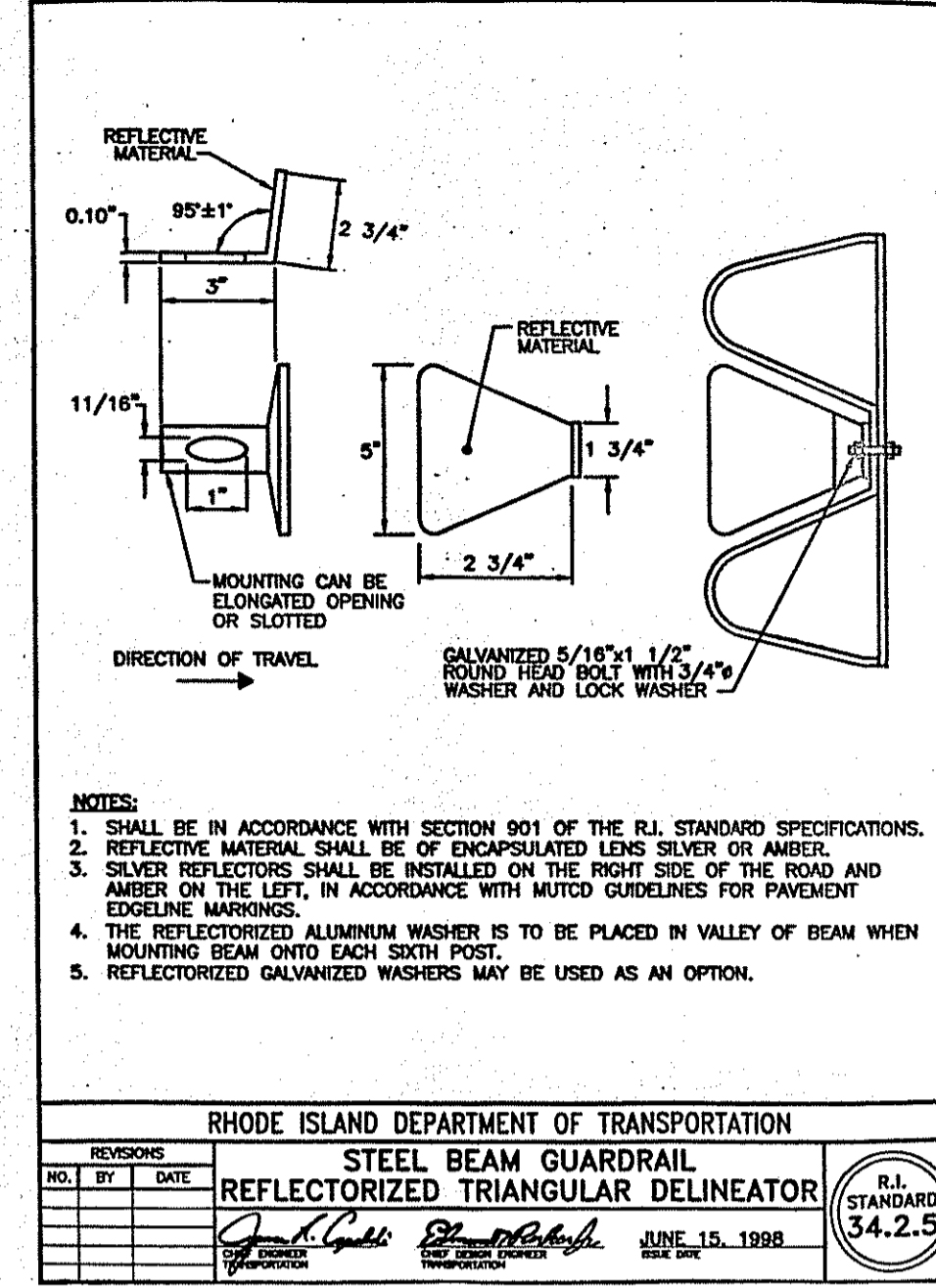
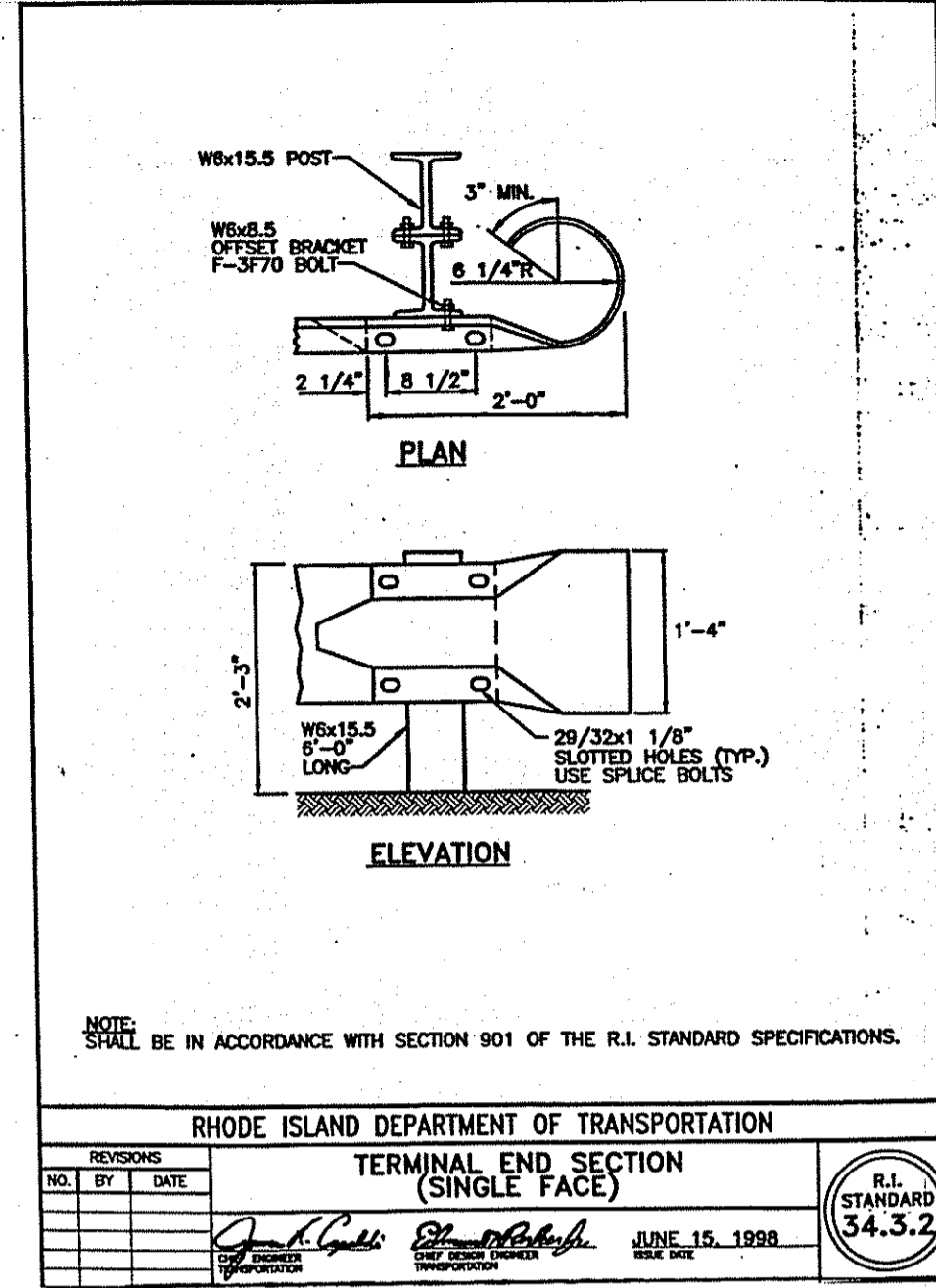
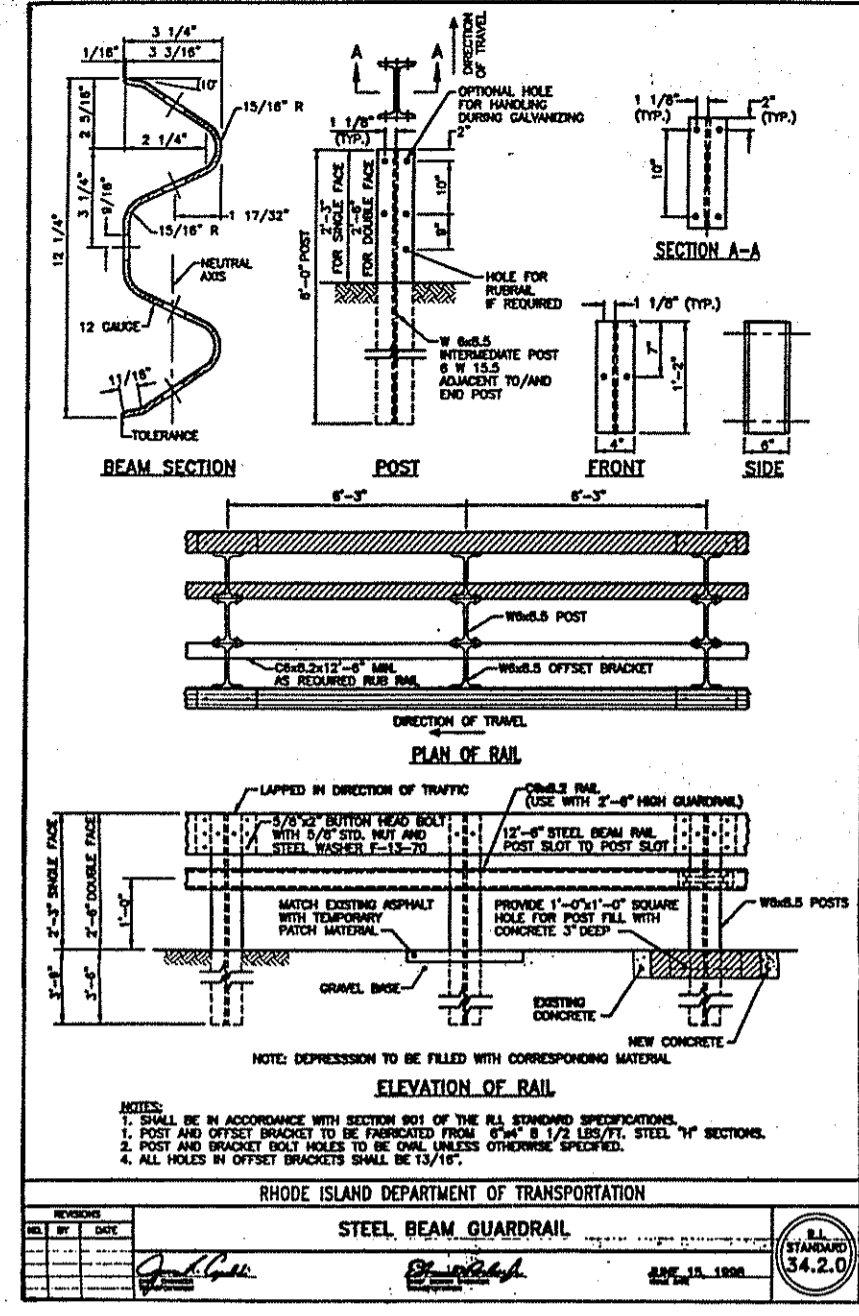
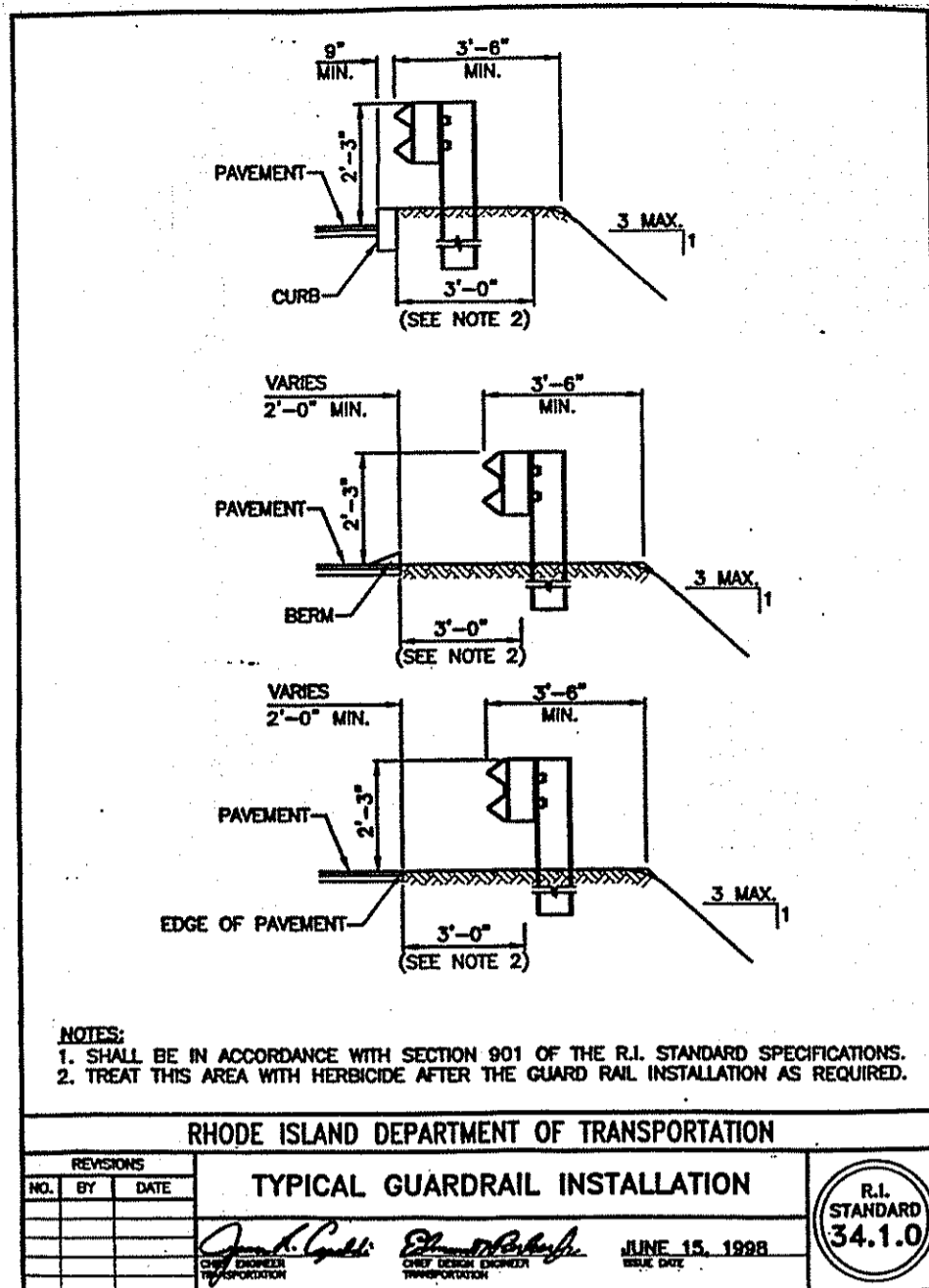
SCALE 1"=10'/As Noted REVISED

NOTES ISSUED FOR RI DEM PERMIT APPLICATION/APPROVAL ASSESSOR'S MAP 23-1/LOT n/a (TOWN ROAD)

WILLIAM G. BOARDMAN
 No. 6017
 REGISTERED PROFESSIONAL ENGINEER

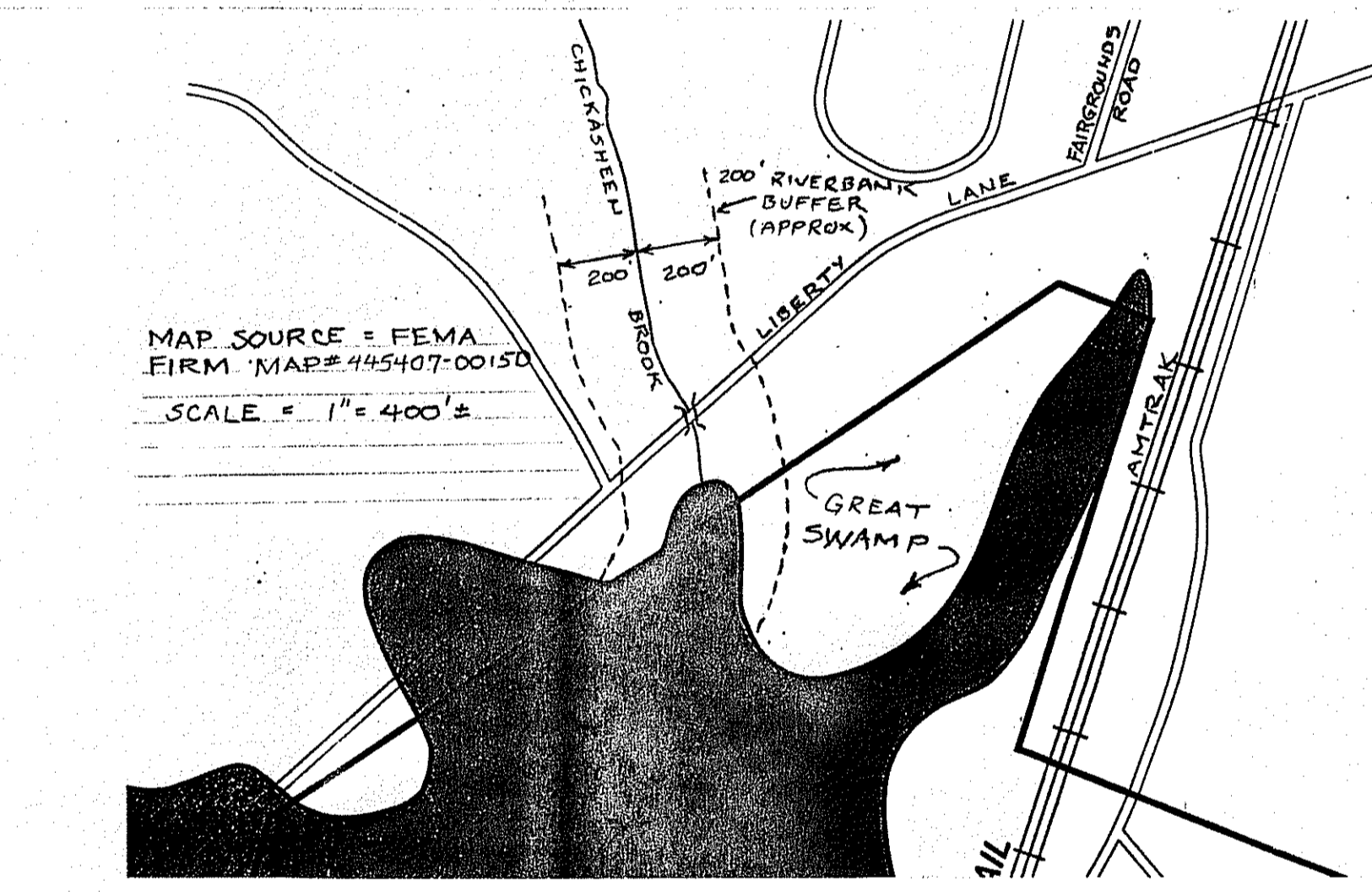
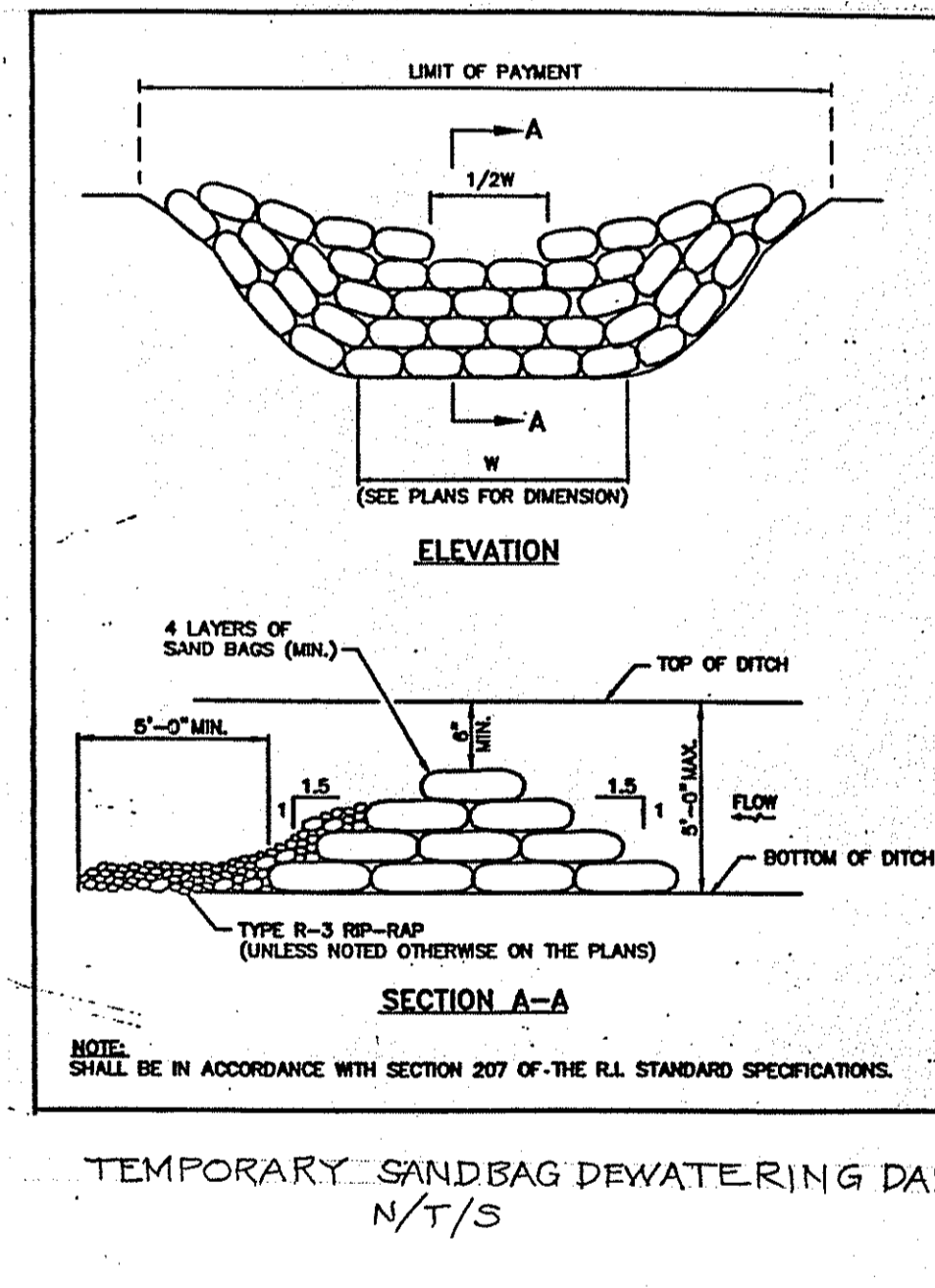
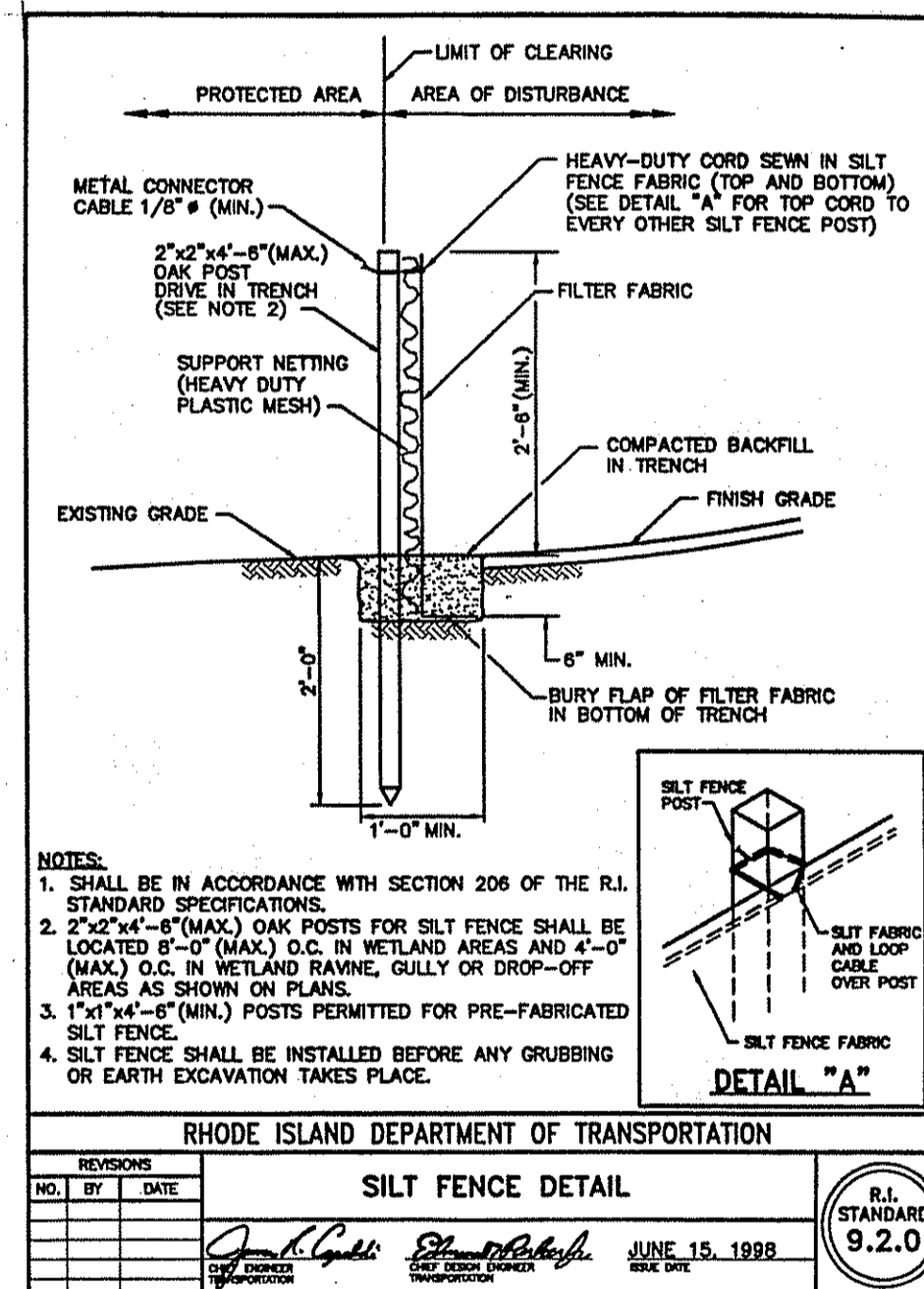
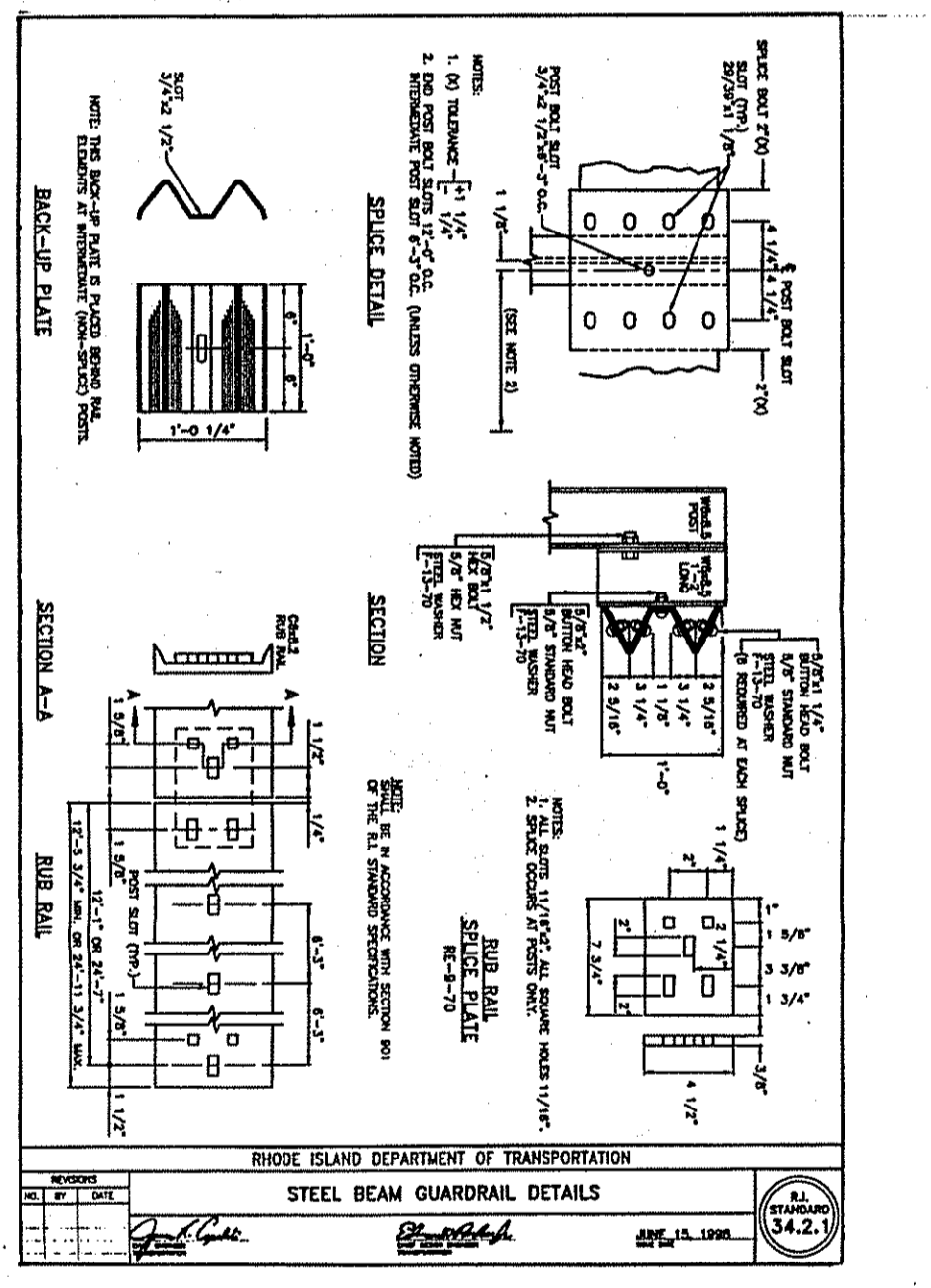
NOTE: CONTOURS NOT SHOWN FOR SAKE OF CLARITY, THERE ARE NO SIGNIFICANT CHANGES PROPOSED IN THE DRAINAGE PATTERNS, INVERT, ROAD PROFILE/CROSS SECTION, & SHOULDER FINISH GRADES.

DATE 2/1/08
 William C. Freeman



GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR IS TO NOTIFY DIG SAFE (1-888-344-7233) AND THE TOWN OF SOUTH KINGSTOWN DEPT OF PUBLIC SERVICES AT 789-9331 X250, AS THE TOWN OF SOUTH KINGSTOWN IS NOT PART OF DIG SAFE, AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS TO SUBMIT A CONSTRUCTION TRAFFIC SAFETY PLAN TO THE SOUTH KINGSTOWN CHIEF OF POLICE PRIOR TO THE START OF CONSTRUCTION. APPROVAL OF SUCH PLAN IS REQUIRED.
- NO STOCK PILING OF MATERIAL IS TO BE ALLOWED WITHIN A PUBLIC RIGHT-OF-WAY. NO OPEN TRENCHES ARE TO BE LEFT OVERNIGHT.
- ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE. CUT & FILL CALCULATIONS FOR SITE HAVE BEEN BALANCED AND ARE TO BE VERIFIED BY THE CONTRACTOR.
- CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS TO NOTIFY THE DIRECTOR OF PUBLIC SERVICES, THE TOWN ENGINEER, AND SOUTH KINGSTOWN POLICE DEPARTMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- ALL CONTRACTORS AND SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF CHAPTER 11, ARTICLE III OF THE TOWN CODE ENTITLED "CONSTRUCTION ACTIVITIES".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND SOIL EROSION CONTROL MEASURES. REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE US DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, WITH ANY AMENDMENTS, AS A GUIDE.
- IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL EXISTING UTILITIES, STRUCTURES, AND ABUTTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
- WHEN APPLICABLE THE CONTRACTOR SHALL ADHERE TO "OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY" TO PROVIDE SAFE WORK SPACE; PROVIDE PERSONAL PROTECTION EQUIPMENT; RI LAW REQUIRES "OSHA 10" CARDS FOR ALL PERSONNEL ON SITE. JOB SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ALL SPECIFICATIONS AND DETAILS SHALL CONFORM TO THE LATEST TOWN OF SOUTH KINGSTOWN (TSK) STANDARD SPECIFICATIONS AND DETAILS; THE LATEST STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; AND THE RHODE ISLAND STANDARD DETAILS AND THE RI BRIDGE STANDARD DETAILS. THE AFOREMENTIONED STANDARDS ARE MADE A PART HERETO AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. THE TSK STANDARD SPECIFICATIONS AND DETAILS MAY BE OBTAINED AT THE DEPARTMENT OF PUBLIC SERVICES. THE RHODE ISLAND STANDARDS SPECIFICATIONS AND DETAILS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.
- IF CONFLICTS EXIST, THE LATEST TSK STANDARD SPECIFICATIONS AND DETAILS SHALL TAKE PRECEDENCE OVER ANY DISCREPANCIES BETWEEN TSK STANDARDS, STATE STANDARDS, OR THOSE ATTACHED TO THESE PLANS.
- THE CONTRACTOR IS REQUIRED TO VERIFY THAT ALL STANDARDS INCORPORATED INTO THE PLANS ARE THE MOST CURRENT BEFORE BEGINNING CONSTRUCTION.



DeWatering Bag

Contain sediment and oil pumped out during dewatering operations.

- Captures both sediment and oils - other dewatering bags don't!
- Non-woven polypropylene construction for excellent strength and chemical resistance
- Ideal for pumping out of containment areas, sumps, lagoons, ponds or during spill cleanup operations
- Can be used as a best management practice for stormwater pollution prevention
- Polypropylene is non-biodegradable, has low ash and high Btu value - can be incinerated or fuels blended and landfilled
- 15' L x 15' W



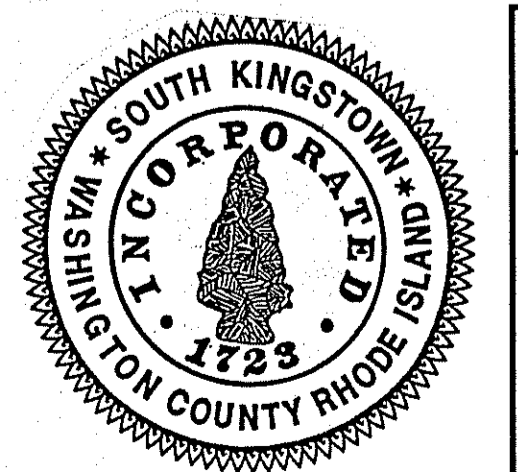
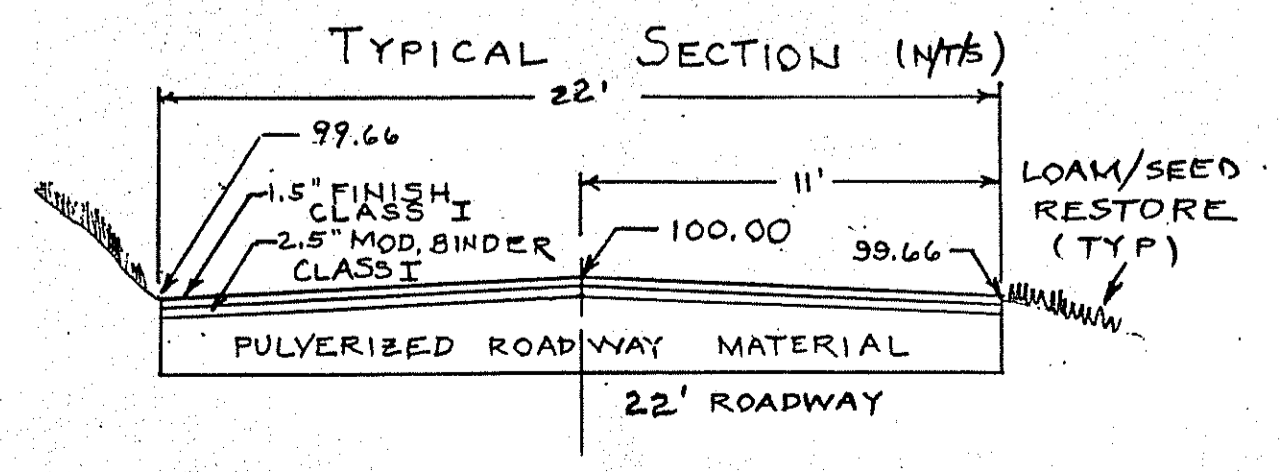
SEDIMENTATION CONTROL PROGRAM

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS AND THE STREAM.
- BANKS AND/OR SLOPES SHALL BE SEEDED AND PROTECTED WITH A FIBER MULCH OR AN APPROVED EROSION CONTROL MATTING.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- SEDIMENTATION DEVICES SHALL BE CLOSELY INSPECTED AND PROMPTLY MAINTAINED AFTER EACH RAINFALL.
- CARE SHALL BE TAKEN SO AS NOT TO PLACE REMOVED SEDIMENTS WITHIN THE PATH OF EXISTING, NEWLY CREATED (PERMANENT OR TEMPORARY) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECT TO STORM WATER FLOW.
- ADDITIONAL HAY BALES, SANDBAGS AND/OR SILT FENCING SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- REFERENCE THE RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK, 1989 WITH ALL REVISIONS AND ADDENDA DURING DEWATERING OPERATIONS. A TEMPORARY SEDIMENT BASIN OR APPROVED EQUAL SHALL BE CONSTRUCTED IN AN APPROPRIATE UPLAND LOCATION WITHIN THE (TOWN) RIGHT-OF-WAY. SUCH BASIN SHALL BE SURROUNDED BY A RING OF STAKED HAY BALES TO PREVENT EROSION AND TRANSPORT OF SEDIMENTS TO DOWN SLOPE AREAS.

EROSION CONTROL & SOIL STABILIZATION PROGRAM

- AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- FOR ROADWAYS OPEN TO TRAFFIC, ALL EXCAVATED AREAS WITHIN THE PAVED ROADWAY SHALL BE PATCHED WITH TEMPORARY OR PERMANENT BITUMINOUS CONCRETE PATCHING MATERIALS IN A TIMELY MANNER OR AS DIRECTED BY THE OWNER. IN THE EVENT OF THE FORECAST OF A MAJOR RAIN EVENT, EXCAVATION SHALL CEASE IN TIME TO PATCH ALL DISTURBED AREAS.

DATE: 2/2/09
 SEE LETTER OF SAME DATE.
 William L. Freeman



TOWN OF SOUTH KINGSTOWN, RHODE ISLAND

DRAWING NO. 2 OF 2

CHICKASHEEN BROOK CULVERT REPLACEMENT PROJECT ON LIBERTY LANE, WEST KINGSTON

DEPT PUBLIC SERVICES DATE 01/08 DRN PJE APPR

SCALE NOT TO SCALE REVISED

NOTES: PROJECT DETAIL DRAWINGS

WILLIAM G. BOARDMAN
 No. 6017
 REGISTERED PROFESSIONAL ENGINEER