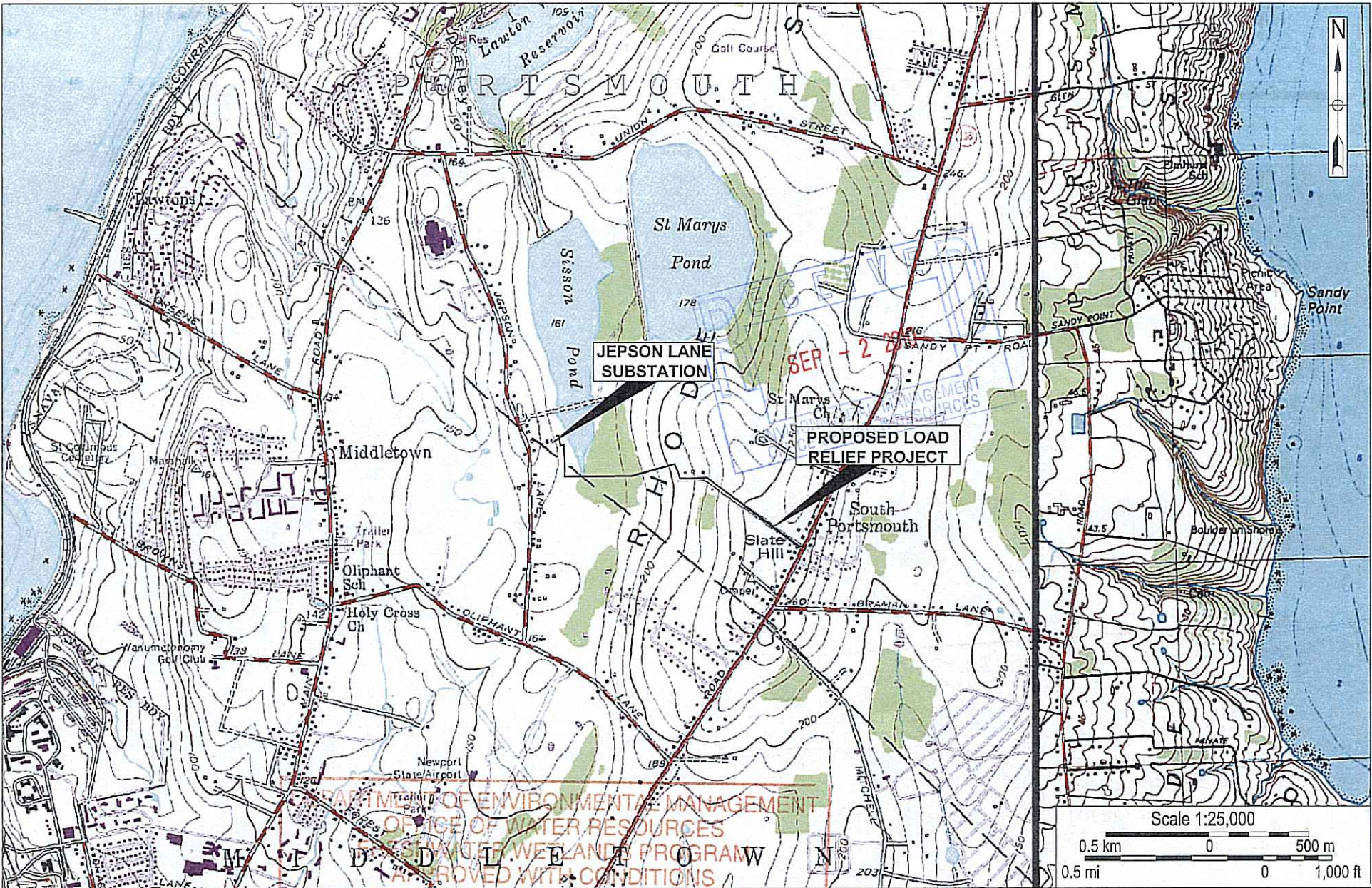


Applicant:
nationalgrid
 The Narragansett Electric Co.
 40 Sylvan Road
 Waltham MA 02451

Prepared By: **ERIC** Key: **LOAD RELIEF PROJECT**
 DATED **OCT 08 2010** FILE # **10-0177**
 399 Boylston Street
 6th Floor
 Boston, MA 02116
Eric

NO.	DATE	DRAWN	REVISION
1	10/20/2009	SMC	LOAD RELIEF PROJECT
2	08/23/2010	SMC	TEMPORARY IMPACT AREA

Sheet 1 - Site Locus Map
 Load Relief Project
 Jepson Substation / Moltza Right-of-Way
 Portsmouth and Middletown, RI
 RIDEM



Applicant:
nationalgrid
 The Narragansett Electric Co.
 40 Sylvan Road
 Waltham MA 02451

Prepared By: [Redacted] Key: [Redacted]
 DATED **OCT 08 2010** FILE # **10-0177**
 [Redacted] ALLOWED WITHOUT PRIOR APPROVAL
 [Redacted] MUST BE AT CONSTRUCTION SITE

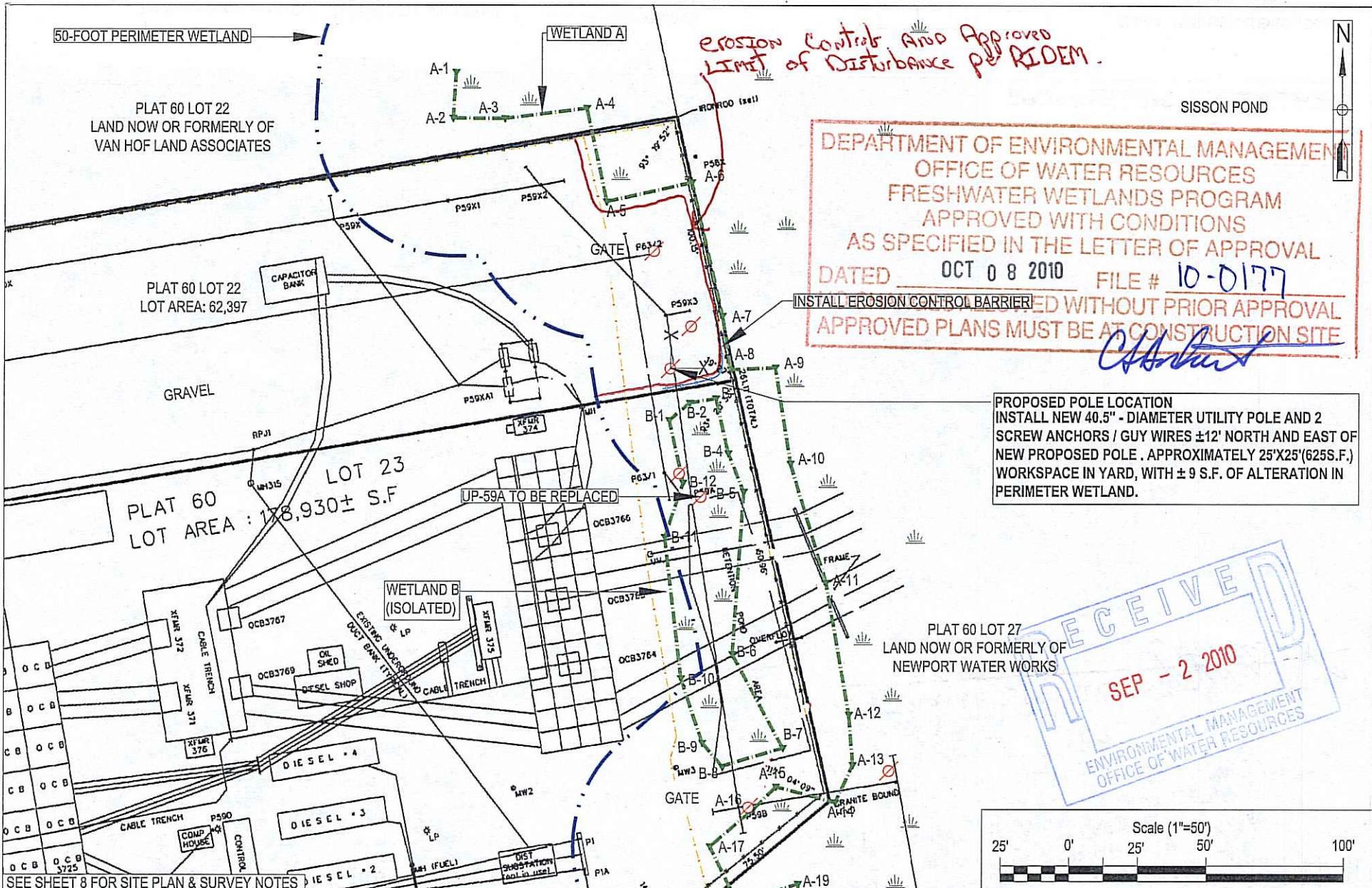
ERM Boston, MA 02116

[Signature]

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Scale 1:25,000
 0.5 km 0 500 m
 0.5 mi 0 1,000 ft

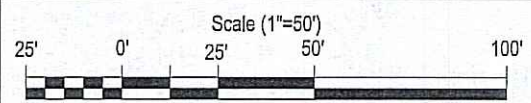
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 Portsmouth and Middletown, RI
 RIDEM



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 08 2010 FILE # 10-0177
 INSTALL EROSION CONTROL BARRIER WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PROPOSED POLE LOCATION
 INSTALL NEW 40.5" - DIAMETER UTILITY POLE AND 2
 SCREW ANCHORS / GUY WIRES ±12' NORTH AND EAST OF
 NEW PROPOSED POLE . APPROXIMATELY 25'X25'(625S.F.)
 WORKSPACE IN YARD, WITH ± 9 S.F. OF ALTERATION IN
 PERIMETER WETLAND.

RECEIVED
 SEP - 2 2010
 ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES



SEE SHEET 8 FOR SITE PLAN & SURVEY NOTES

Applicant:
nationalgrid
 The Narragansett Electric Co.
 40 Sylvan Road
 Waltham MA 02451

Prepared By:
 399 Boylston Street
 6th Floor
 Boston, MA 02116

- Key:
- UTILITY POLE
 - WETLAND FLAG
 - WETLAND BOUNDARY
 - 50-FOOT PERIMETER WETLAND
 - FENCE LINE
 - EROSION CONTROL BARRIER

NO.	DATE	DRAWN	REVISION
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2	08/23/2010	S/MC	TEMPORARY IMPACT AREA

Sheet 3 - New Utility Pole Installation at Jepson Substation
 Load Relief Project
 Jepson Substation / Moitza Right-of-Way
 Portsmouth and Middletown, RI
 RIDEM



10 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 08 2010 FILE # 10-0177
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

BERM LOCATED ALONG PROPERTY LINE

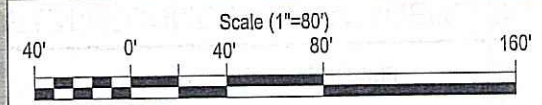
UP-16
UP-15
UP-14

DRAINAGE

Alfred

EXISTING BERM CONSISTING OF SOIL AND ROCK APPROXIMATELY 4' HIGH BY 5' WIDE. GRADE BERM DOWN TO ± 2' IN HEIGHT IN EXISTING EASEMENT TO ALLOW VEHICLE ACCESS. SEED WITH NEW ENGLAND CONSERVATION WILDLIFE MIX (OR EQUIVALENT) AND INSTALL EROSION CONTROL BLANKET OVER BERM PER MANUFACTURER SPECIFICATIONS. APPROXIMATELY 55 S.F. ALTERATION IN PERIMETER WETLANDS.

RECEIVED
 SEP - 2 2010
 SUPERVISOR OF WETLANDS
 DEPT. OF ENVIRONMENTAL MGMT.



SEE SHEET 5 FOR SITE PLAN & SURVEY NOTES

Applicant:
naticmalgrid The Narragansett Electric Co.
 40 Sylvan Road
 Waltham MA 02451

Prepared By:
 399 Boylston Street
 6th Floor
 Boston, MA 02116

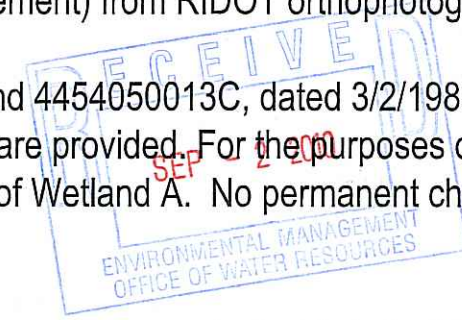
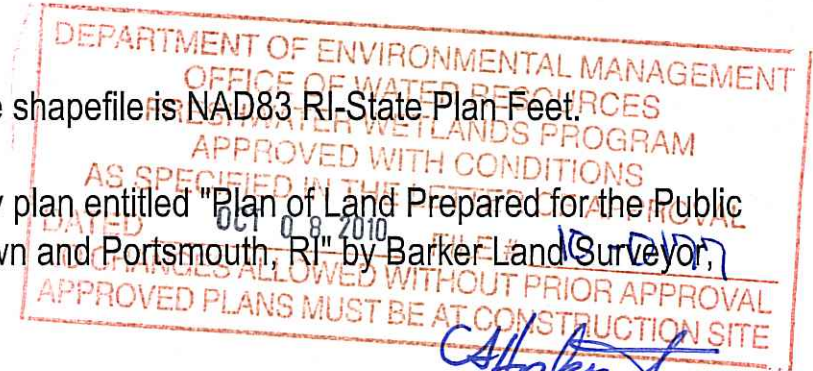
- Key:
- ⊗ UTILITY POLE TO BE REPLACED
 - ▼ WETLAND FLAG
 - ▲ WETLAND
 - WETLAND BOUNDARY
 - 50-FOOT PERIMETER WETLAND
 - ▨ EXISTING BERM
 - - - APPROXIMATE EXISTING UTILITY EASEMENT
 - ▩ 16' WIDE SWAMP MAT ACCESS ROAD


NO.	DATE	DRAWN	REVISION
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Sheet 4 - Modification of Existing Berm
 Load Relief Project
 Jepson Substation / Moitza Right-of-Way
 Portsmouth and Middletown, RI

Site Plan Notes:

1. Aerial photo source is 2003-2004 RIDOT Orthophotographs. The shapefile is NAD83 RI-State Plan Feet.
2. Substation existing condition information is from perimeter survey plan entitled "Plan of Land Prepared for the Public Utility Generation Divestiture Jepson Substation located in Middletown and Portsmouth, RI" by Barker Land Surveyor, Inc., dated 6/5/97. Original scale is 1":30'.
3. Property boundaries taken from Town of Middletown Plat Maps (#111 and 117; updated 12/31/07) and Town of Portsmouth Property Maps (#60, 61, 63 and 64; no date). These boundaries are approximate.
4. TNEC easement limits are based on plan entitled "Proposed Utility Easement, Jepson Substation to East Main Road" by the Newport Electric Company, dated 1/31/75. Original scale is 1":200'.
5. ERM delineated freshwater wetland limits of Wetlands A and B, and surveyed wetland boundaries using GPS equipment on 9/28/09. ERM estimated Sisson Pond Bank (outside of easement) from RIDOT orthophotographs.
6. FEMA Flood Insurance Rate Maps (Community Panel 4454050012C and 4454050013C, dated 3/2/1983) shows the 100-year floodplain (Zone A) confined to Sisson Pond; no base elevations are provided. For the purposes of this project, ERM inferred the 100-year floodplain limit to be contained within the limits of Wetland A. No permanent changes to ground elevations within Wetland A are proposed.
7. A temporary erosion control barrier consisting of staked hay bales, silt fence, or an equivalent is to be installed prior to the new utility pole installation, and berm modification. This barrier is to be maintained in proper working condition until work is completed and excess soils removed.



<p>Applicant:</p> <p>nationalgrid The Narragansett Electric Co. 40 Sylvan Road Waltham MA 02451</p>	<p>Prepared By:</p>  <p>399 Boylston Street 6th Floor Boston, MA 02116</p>	<p>Key:</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DRAWN</th> <th>REVISION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>10/20/2009</td> <td>SMC</td> <td>LOAD RELIEF PROJECT</td> </tr> <tr> <td>2</td> <td>08/23/2010</td> <td>SMC</td> <td>TEMPORARY IMPACT AREA</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DRAWN	REVISION	1	10/20/2009	SMC	LOAD RELIEF PROJECT	2	08/23/2010	SMC	TEMPORARY IMPACT AREA																	<p>Sheet 5 - Site Plan and Survey Notes Load Relief Project Jepson Substation / Moitoza Right-of-Way Portsmouth and Middletown, RI RIDEM</p>
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