

**APPENDIX B PROJECT EROSION & SEDIMENT CONTROL PLANS (CEII REVIEWED)
[AUGUST 2024]**

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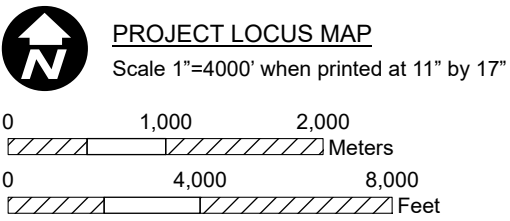
- Project Centerline
- Transmission Line
- Existing or Proposed Power Facility
- Town Boundary

REVISIONS:



POWER Engineers, Inc
2 Hampshire Street Suite 301
Foxborough, MA 02035

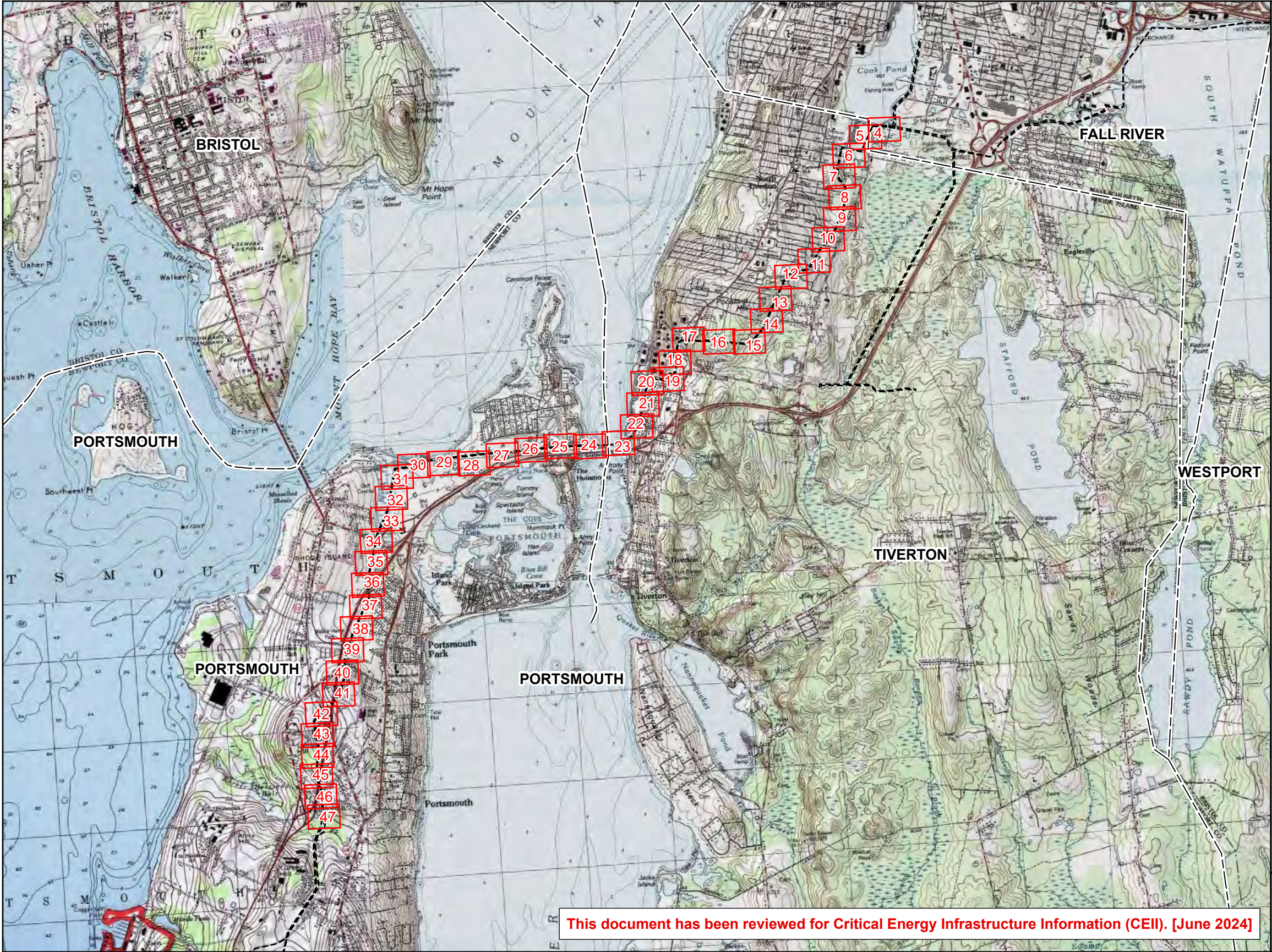
NOTES:
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CORPORATIONS REPRESENTATIVE RESPONSIBLE FOR EROSION & SEDIMENTATION CONTROL ON SITE OF ANY
CHANGES TO THE APPROVED PLAN PRIOR TO THE IMPLEMENTATION OF THOSE CHANGES.



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

PROJECT LOCUS MAP
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
City of Fall River, Massachusetts; Towns
of Portsmouth and Tiverton, Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/10/2024	SHEET 1 of 47
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- Page Boundary
- Transmission Line
- Existing or Proposed Power Facility
- Town Boundary

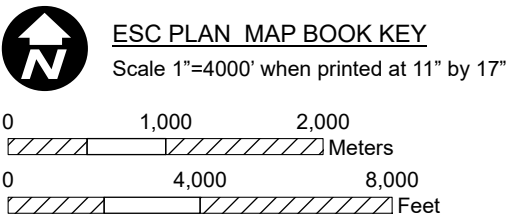
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Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT
CONTROL PLAN INDEX
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
City of Fall River, Massachusetts; Towns
of Portsmouth and Tiverton, Rhode Island

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AS NOTED	249458	6/10/2024	2 of 47

General Notes:

- 1. Plans/Drawings are issued for permitting and soil erosion control measures.
- 2. Property and boundary information and existing overhead and underground utilities shown are from publicly available data and are provided for reference purposes only. POWER Engineers makes no representation or warranty as to the accuracy of location of the information shown.
- 3. Limits of Disturbance (LOD) are depicted as a typical work corridor within the existing electric transmission ROW, railroad ROW and public roadway ROW. Limits of Disturbance equate to the boundaries of the access routes and work pads shown on the figures.
- 4. Construction practices will conform with the following standards, as applicable:
 - a. Rhode Island Soil Erosion and Sediment Control Handbook
 - b. Rhode Island Storm Water Design and Installation Standards Manual
 - c. Rhode Island Department of Environmental Management Wetland BMP Manual
 - d. Rhode Island Energy ROW Access Maintenance and Construction Best Management Practices (EG-303NE)

Erosion and Sediment Control Measures:

- 1. Areas inside the Limits of Disturbance will be restored by the Contractor to their original condition at the Contractor’s expense, to the satisfaction of Rhode Island Energy.
- 2. Install temporary inlet protection where catch basins are present within the work zone, including oil absorbent socks.
- 3. Contractor will be solely responsible for site security and job safety. All construction activity shall be in accordance with OSHA regulations and local and state requirements.
- 4. All materials are to be disposed of per applicable laws and regulations.
- 5. Dewatering activities shall occur outside of wetlands and watercourses with approved dewatering controls such as filter bags, filter socks, weir tanks or dewatering basins. Where this is not possible, dewatering effluent shall be transported offsite.
- 6. All wetland and waterways shall be flagged prior to commencing work activities at the site.
- 7. Maintain undisturbed vegetated buffers between work areas and wetlands/waterways wherever possible.
- 8. Limit removal of, and damage to, existing vegetation wherever possible.
- 9. Avoid unnecessary disturbance of site soils wherever possible.
- 10. Upon completion of construction in a given location (structure, work area, etc.), disturbed or exposed soils will be immediately stabilized with mulch, blankets or similar temporary erosion and sediment control practice adequate for providing temporary stabilization while vegetation becomes established.
- 11. Where temporary erosion control, or permanent seed mixes are placed, appropriate temporary measures will be taken to prevent soil erosion while seed is germinating.
- 12. Mulch will not be used as a temporary erosion control practice in drainageways. Mulch placement on steep slopes (>3:1) will be limited to hydraulic mulch or rolled erosion control products (e.g., erosion control blankets, etc.).
- 13. Seeding shall occur only during specified planting seasons unless otherwise directed by Rhode Island Energy.
- 14. Seed mixes will be approved by the Rhode Island Energy Environmental Scientist prior to placement. Seed mixes will be appropriate for the site conditions (e.g. wetland, upland, etc.).
- 15. Low growing, woody plant species and root systems will be retained in locations where work pads and access roads are not proposed. Care will be taken to protect such plants and their root systems from damage and compaction.
- 16. Perimeter sediment control locations shown on the plans contained herein are approximations, and may change depending on field conditions at the time of construction or as directed by the Rhode Island Energy Environmental Scientist. Perimeter sediment controls will not be installed directly in wetlands without prior written approval from the Rhode Island Energy Environmental Scientist.
- 17. Where coastal and freshwater resource areas occur immediately adjacent to and down gradient from the work, sediment perimeter controls (e.g. straw wattles, compost filter socks, excelsior sediment logs, straw bales, reinforced silt fence, etc.) will be placed between the resource area and the work zone prior to the commencement of work. Perimeter controls will be installed as close to the area of disturbance as possible. Perimeter control selection should occur in coordination with the Rhode Island Energy Environmental Scientist.

18. Perimeter sediment controls will be placed along the down slope edge of unpaved access roads as indicated on the plans wherever wetlands resource areas are closer than 50’ to the edge of road and/or adjacent to slopes exceeding a grade of 3:1, or as directed by the Rhode Island Energy Environmental Scientist.

19. If required, alternatives to silt fence and/or straw bales (e.g., compost socks, wattles, excelsior sediment logs, etc.) are preferred within wetlands adjacent to the edge of the construction pad. Care should be taken to avoid disturbing wetland soils outside of limits of the construction pad and/or area while installing perimeter controls.

20. Mud box/drill cutting box locations, dewatering areas, concrete washout areas, and temporary soil stockpile areas shown on the plan indicate only that such devices and practices may be required and do not approximate locations. Final locations for such devices and practices will be determined during construction as field conditions require and allow. Dewatering may be required in additional locations depending on field conditions or weather during construction.

21. Where water bars are installed on improved access roads, they should be installed such that runoff is directed to a level spreader, stabilized outlet, or other feature designed to prevent concentrated flows from eroding adjacent locations. Wherever possible, runoff should be directed away from wetlands, waterways, and waterbodies.

22. When construction mats are used in locations where excavations/mud boxes are required for structure installation, the construction mat surface will be adequately protected to prevent siltation through the construction mats to wetlands below.

23. Where necessary, or as directed by the Rhode Island Energy Environmental Scientist, stone transition ramps shall be installed in association with construction mats.

24. All erosion and sediment controls, devices, and practices will be properly maintained, replaced, supplemented, or modified as necessary throughout the life of the project in order to minimize soil erosion and to prevent sediment from being deposited in any wetlands, or coastal features.

25. Soil stockpiles will be contained within approved construction work pads or designated stockpiling areas.

26. Where possible, soil stockpiles will not exceed 5 feet high in height. Soil stockpiles will be covered with matting, tarp, or other similar material and weights at the end of each construction day if necessary. Install perimeter controls around all stockpiles in close proximity to wetlands and contiguous areas.

27. No vehicle or equipment refueling shall occur within 100 feet of a wetland, waterbody, or waterway.

28. Stone, soil, or other fill materials will not be placed in any wetlands, waterbodies, or waterways beyond permitted areas.

29. Where work will occur in wetlands, or where waterway crossings are proposed, construction mats, or construction mat bridges will be installed respectively prior to commencing construction.

30. Upon permanent stabilization of all disturbed soils, temporary erosion and/or sediment controls and construction mats will be removed from, and disposed of properly, off-site.

31. Unless otherwise directed, all erosion and sediment controls shall be installed in accordance with, and work shall conform to Rhode Island Energy’s Environmental Guidance-303NE.

32. Any potentially impacted soils or water encountered during construction activities will be managed in accordance with applicable local, state and federal regulations.

33. Mud Boxes will be used to contain and handle wetland soils and saturated soils on temporary construction work pads in wetlands.

34. Stabilized construction entrances will be installed at access route entrances onto the ROW, and will be installed with clean stone over geotextile fabric.

Erosion and Sediment Control Maintenance During Construction:

1. All Erosion and sediment control measures will be inspected for stability and proper function after every runoff producing storm event, or at least weekly. All necessary repairs will be made immediately.

2. Trapped sediment will be removed from behind perimeter control devices before the deposits reach 50 percent (1/2) of the above-ground height of the device, unless otherwise noted, or according to manufacturer’s specifications.

3. Sediment will be removed from sediment traps when design capacity has been reduced by 50 percent (50%).

4. In disturbed areas where adequate seed stock is not present, or where topsoil has been displaced, soils will be prepared in a manner suitable for supporting plant growth prior to placing seed, mulch, and or other erosion control practices appropriate for the site.



Wetland Invasive Species Control Notes:

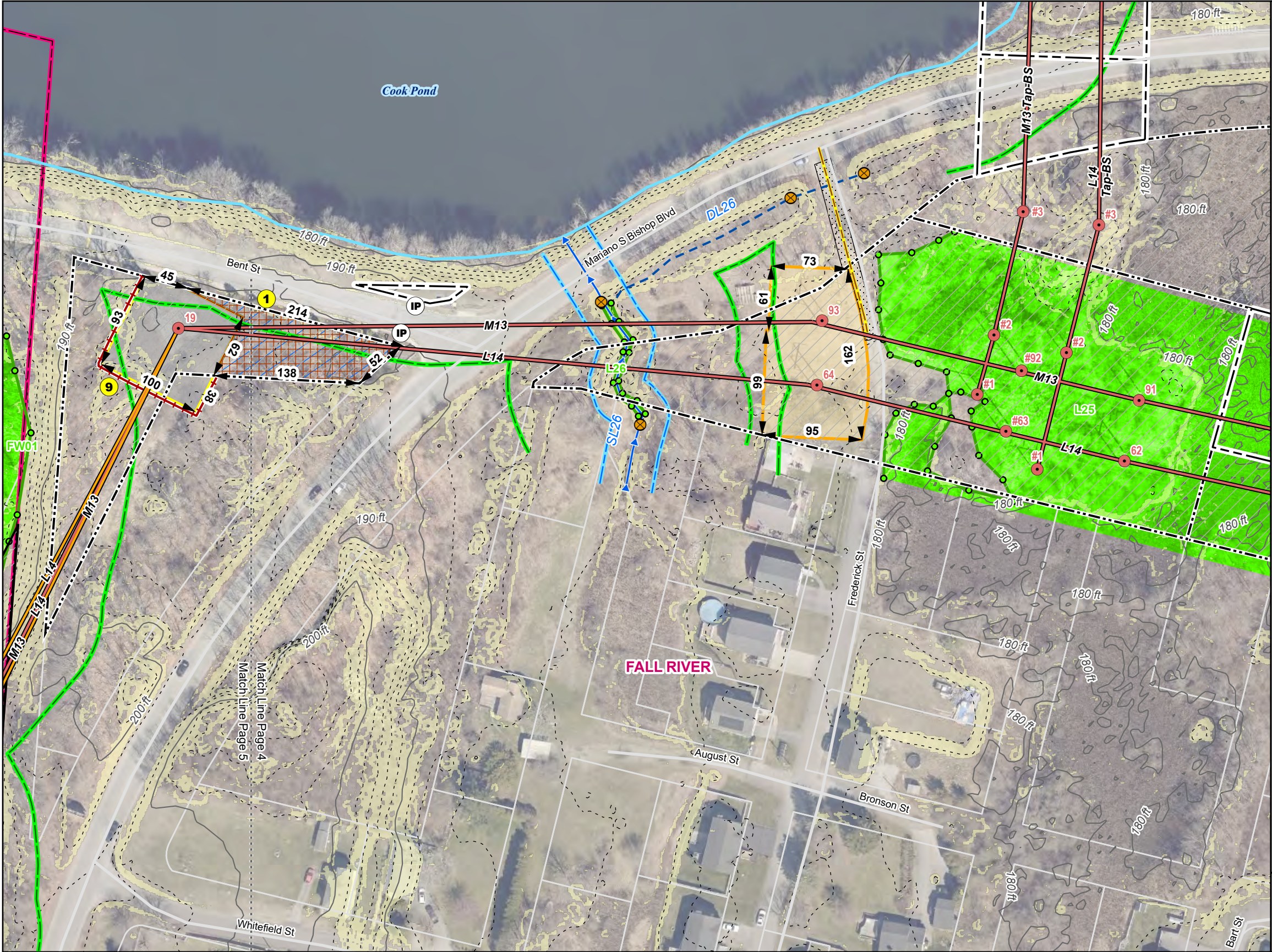
1. All construction equipment, vehicles, and materials (i.e., construction mats) must be clean and free of excess soil, debris, and vegetation before being mobilized to the Project area.

2. Construction mats or equivalent will be used in wetlands and other coastal resources during clearing and other construction operations to minimize the spread of invasive species within a wetland or coastal resource by avoiding equipment and vehicles directly traversing wetlands or coastal resources.

3. To minimize the potential for spreading invasive plant species from wetland-to-wetland, any equipment or vehicles working in or traversing a wetland will be cleaned prior to relocating to another work site. Cleaning of vehicles and equipment (including the tracks and tires) will involve removal of visible dirt, debris, and vegetation through the use of brooms, shovels, and if needed, compressed air.

4. Construction mats will be cleaned prior to relocation to other work areas, wetlands, or coastal resources. Cleaning of matting will involve systematically dropping the mats one on top of another to shake loose any sediment and debris. The matting will then be swept to remove loose soil and any plant material.

		POWER Engineers, Inc 2 Hampshire Street Suite 301 Foxborough, MA 02035			
		Rhode Island Energy 280 Melrose Street Providence, RI 02907		SOIL EROSION AND SEDIMENT CONTROL PLAN GENERAL NOTES L14 & M13 Mainline Rebuild Project Rhode Island Energy City of Fall River, Massachusetts; Towns of Portsmouth and Tiverton, Rhode Island	
		SCALE AS NOTED	JOB NO. 249458	DATE: 6/10/2024	SHEET 3 of 47



- Existing Structure

Proposed Structure with Concrete Foundation

Existing Transmission Line

Proposed Transmission Line

RIE Owned Land

National Grid Owned Land

Existing Right of Way

No Improvements - Existing Access (15' Wide)

Perimeter Sediment Control

No Improvements - Existing Access (15' Wide)

Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work

Temporary Work Area - Mow Only

Pull Site - Mow Only and Matting

Construction Matting

Minor Road

Index Contour (10' Interval)

Contour (2' Interval)

0 - 15% Slope

> 15% Slope

Town Boundary

Parcel Boundary

Culvert

Wetland Flag

Wetland Border

Perennial Stream or River

Mean Annual High Water Line

Ditch

100 ft Buffer Wetland

Riverfront Area

Field Delineated Wetland

Inlet Protection


Install Stabilized construction ingress/egress

Perimeter Sediment Controls

REVISIONS:

The project Limit of Disturbance (LOD) are comprised of the outer edge of all work pads, pull pads, grading areas, and road improvements within the right-of-way (ROW) shown on these plans.

Final determinations will be made in the field by Rhode Island Energy as to the extent of grading that is required for access roads and work pads, so as to minimize rock removal and earth disturbance.




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Foxborough, MA 02035

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ESC PLAN MAP BOOK 4
Scale 1"=100' when printed at 11" by 17"

0

10

20

30

Meters

0


25

50

75

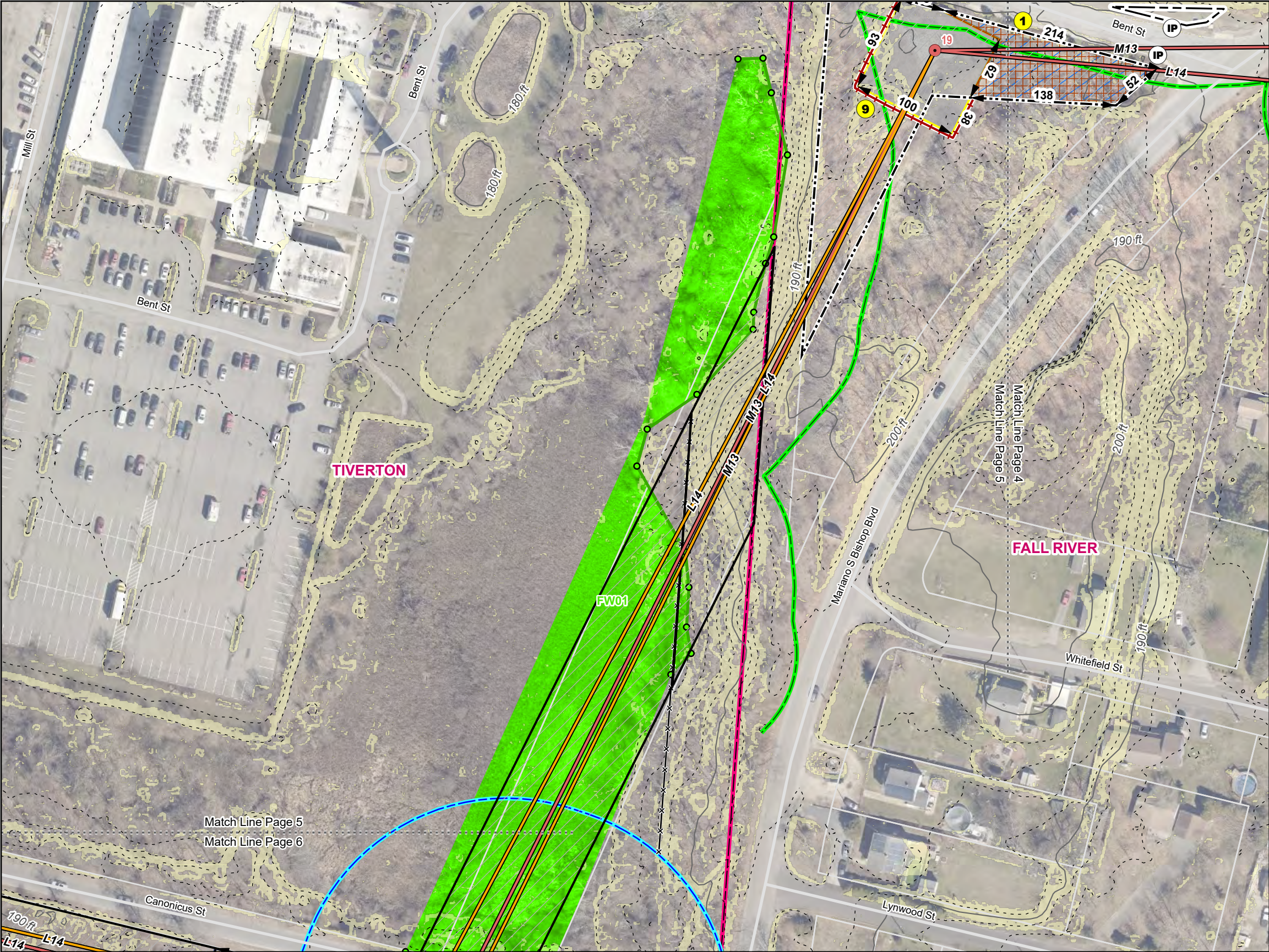
100

Feet



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT CONTROL PLAN			
L14 & M13 Mainline Rebuild Project			
Rhode Island Energy			
City of Fall River Commonwealth of Massachusetts			
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 4 of 47



Existing Structure

Proposed Structure with Concrete Foundation

Existing Transmission Line

Proposed Transmission Line

RIE Owned Land

National Grid Owned Land

Existing Right of Way

Perimeter Sediment Control

Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work

Pull Site - Mow Only and Matting

Construction Matting

Minor Road

Index Contour (10' Interval)

Contour (2' Interval)

0 - 15% Slope

> 15% Slope

Town Boundary

Parcel Boundary

Wetland Flag

Fence

Wetland Border

River/Stream Jurisdictional Area (200')

100 ft Buffer Wetland

Field Delineated Wetland

Inlet Protection

Install Stabilized construction ingress/egress

Perimeter Sediment Controls

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N

ESC PLAN MAP BOOK 5

Scale 1"=100' when printed at 11" by 17"

0102030

Meters

0255075100

Feet

Rhode Island Energy

a PPL company

Rhode Island Energy

280 Melrose Street

Providence, RI 02907

POWER ENGINEERS

POWER Engineers, Inc

2 Hampshire Street Suite 301

Foxborough, MA 02035

SOIL EROSION AND SEDIMENT CONTROL PLAN

L14 & M13 Mainline Rebuild Project

Rhode Island Energy

City of Fall River, Town of Tiverton

Comm. of Massachusetts and State of Rhode Island

SCALE

AS NOTED

JOB NO.

249458

DATE:

6/12/2024

SHEET

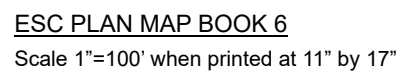
5 of 47

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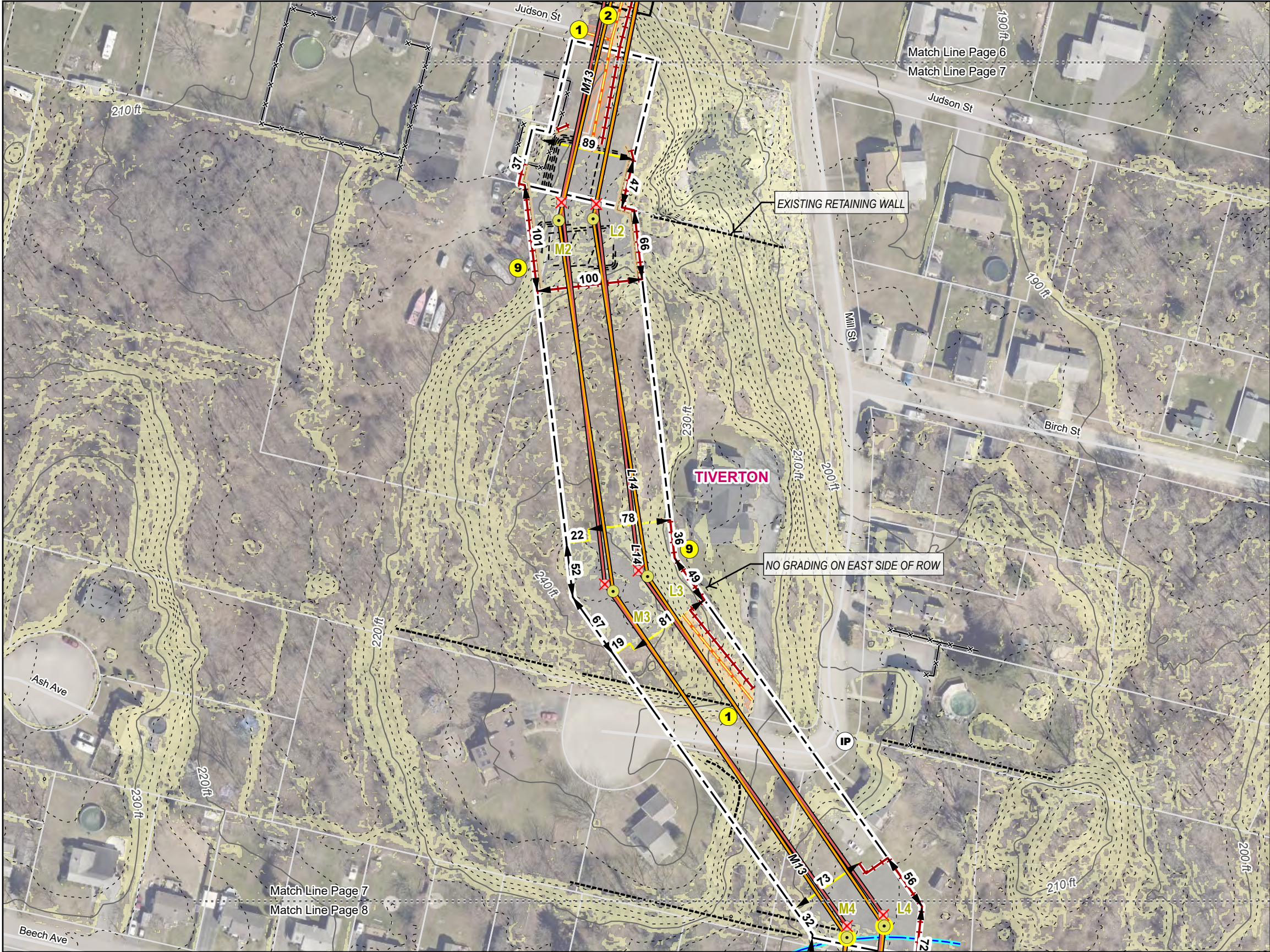
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SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 6 of 47
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Rhode Island Energy
280 Melrose Street
Providence, RI 02907



- Proposed Structure

Structure To Be Removed

Proposed Structure with Concrete Foundation

Existing Transmission Line

Proposed Transmission Line

RIE Owned Land

Existing Right of Way

Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications

Perimeter Sediment Control


Reinforced Silt Fence

Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
- Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- Preliminary Grading Contour
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Fence
- Stone Wall
- River/Stream Jurisdictional Area (200')
- Inlet Protection
- Install Stabilized construction ingress/egress
- Install temporary concrete wash station.
- Perimeter Sediment Controls

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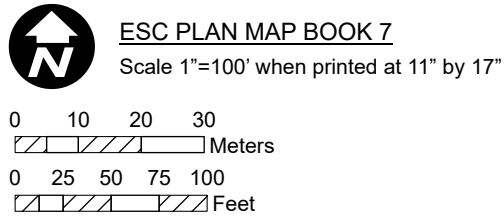


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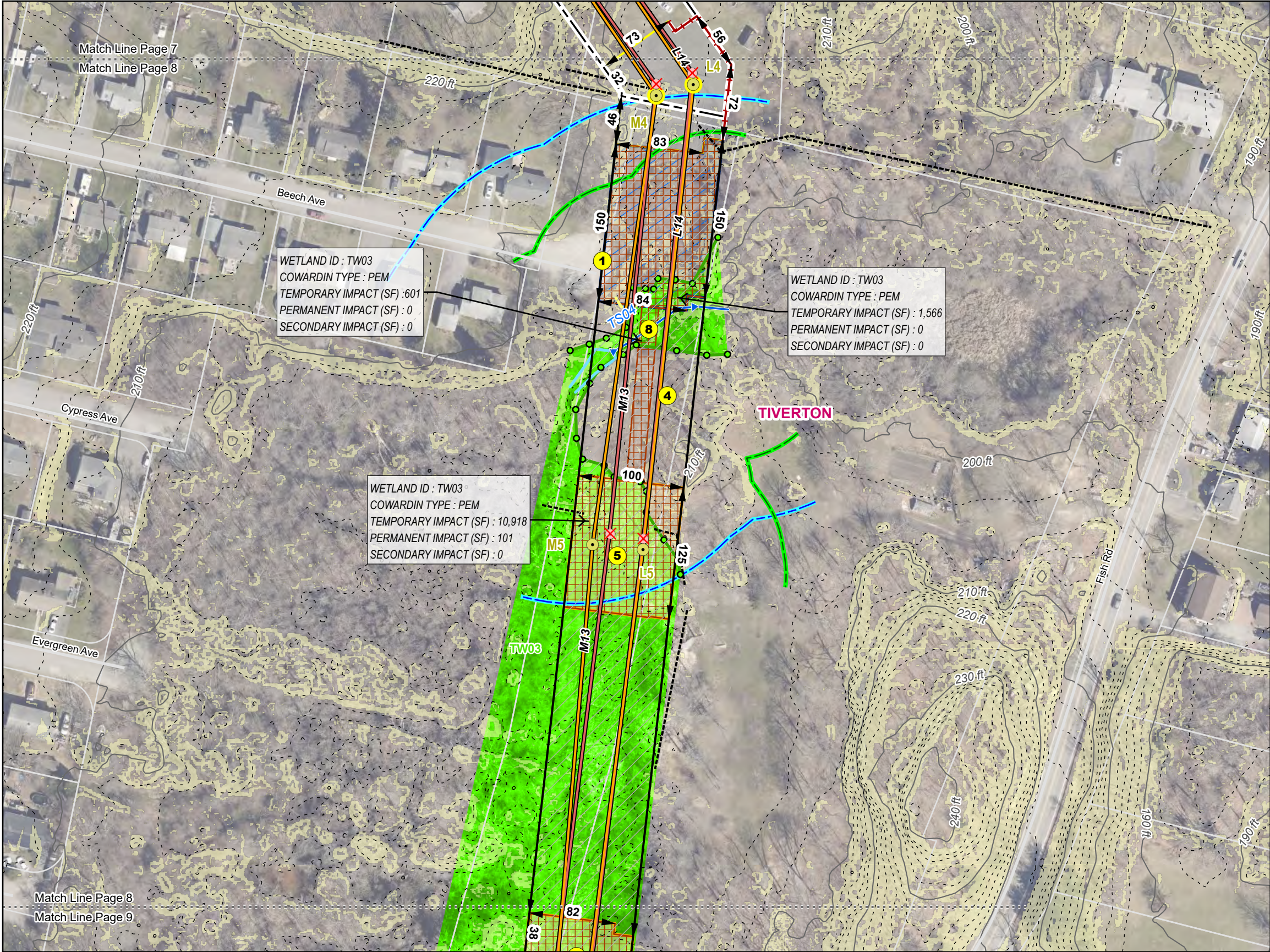
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SOIL EROSION AND SEDIMENT CONTROL PLAN			
L14 & M13 Mainline Rebuild Project			
Rhode Island Energy			
Town of Tiverton			
State of Rhode Island			
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 7 of 47



- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- Existing Right of Way
- Perimeter Sediment Control
- Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work
- Temporary Work Area - Mow Only
- Pull Site - Mow Only and Matting
- Construction Matting
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Wetland Flag
- Stone Wall
- Wetland Border
- Perennial Stream or River
- Mean Annual High Water Line
- Area Subject to Storm Flowage (ASSF)
- River/Stream Jurisdictional Area (200')
- Wetland Jurisdictional Area (100')
- Field Delineated Wetland
- 1 Install Stabilized construction ingress/egress
- 4 Dewatering Area
- 5 Install temporary mud box.
- 8 Stream crossing will use construction mat bridge detail

REVISIONS:

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ESC PLAN MAP BOOK 8
Scale 1"=100' when printed at 11" by 17"










0 10 20 30
Meters

0 25 50 75 100
Feet

Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Tiverton
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 8 of 47
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- | | | | |
|---|--|---|--|
|  | Proposed Structure |  | Contour (2' Interval) |
|  | Structure To Be Removed |  | Preliminary Grading Contour |
|  | Proposed Structure with Concrete Foundation | | 0 - 15% Slope |
|  | Existing Transmission Line |  | > 15% Slope |
|  | Proposed Transmission Line |  | Parcel Boundary |
|  | Natural Gas Pipeline |  | Wetland Flag |
|  | RIE Owned Land |  | Fence |
|  | Existing Right of Way |  | Stone Wall |
|  | Perimeter Sediment Control |  | Wetland Border |
|  | Reinforced Silt Fence |  | Wetland Jurisdictional Area (100') |
|  | Temporary Work Area - Alternative Type Matting |  | Field Delineated Wetland |
|  | Temporary Work Area - Mow Only |  | Inlet Protection |
|  | Tiered Work Pad |  | 1 Install Stabilized construction ingress/egress |
|  | Construction Matting |  | 2 Install temporary concrete wash station. |
|  | Alternative Type Matting |  | 4 Dewatering Area |
|  | Tree Trimming or Removal |  | 5 Install temporary mud box. |
|  | Minor Road |  | 9 Perimeter Sediment Controls |
|  | Index Contour (10' Interval) | | |

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L14 & M13 Mainline Rebuild Project
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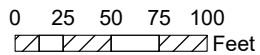
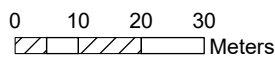
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 9 of 47
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SITE INFORMATION PROVIDED BY PPL ELECTRIC UTILITIES CORPORATION (2023); INCLUDING, BUT NOT LIMITED TO PROPERTY LINES, MUNICIPAL LINES, AND PROPERTY INFORMATION. AERIALS, AND CONTOURS, RECEIVED FROM RIGIS ([HTTPS://WWW.RIGIS.ORG/](https://www.rigis.org/) (2000-2023)) AND GOOGLE EARTH (2023). ALL INFORMATION IS APPROXIMATE.

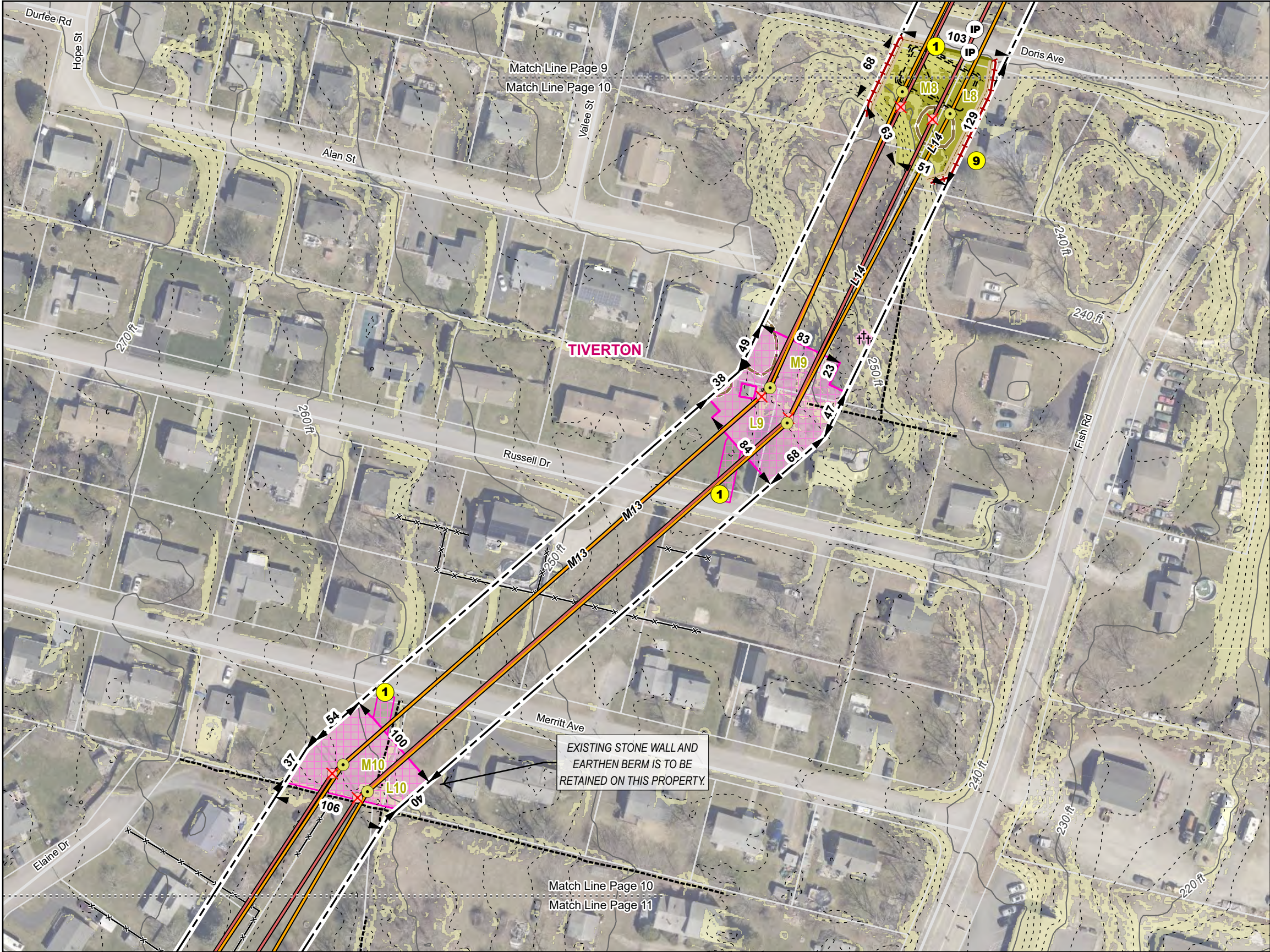
CONTRACTOR SHALL NOT CONDUCT EARTH DISTURBANCE BEYOND THE LIMITS SHOWN ON THESE DRAWINGS WITHOUT PRIOR APPROVAL BY RI ENERGY CORPORATION'S REPRESENTATIVE RESPONSIBLE FOR EROSION & SEDIMENTATION CONTROL ON SITE. THE REVIEWING AGENCY SHALL BE NOTIFIED BY PPL ELECTRIC UTILITIES CORPORATIONS REPRESENTATIVE RESPONSIBLE FOR EROSION & SEDIMENTATION CONTROL ON SITE OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO THE IMPLEMENTATION OF THOSE CHANGES.



Scale 1"=100' when printed at 11" by 17"



Rhode Island Energy
280 Melrose Street
Providence, RI 02907




- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Perimeter Sediment Control
- Reinforced Silt Fence
- Temporary Work Area - Alternative Type Matting
- Tiered Work Pad
- Alternative Type Matting
- Tree Trimming or Removal
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- Preliminary Grading Contour
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Fence
- Stone Wall
- Historical Cemetery
- Inlet Protection
- Install Stabilized construction ingress/egress
- Perimeter Sediment Controls

REVISIONS:

The project Limit of Disturbance (LOD) are comprised of the outer edge of all work pads, pull pads, grading areas, and road improvements within the right-of-way (ROW) shown on these plans.

Final determinations will be made in the field by Rhode Island Energy as to the extent of grading that is required for access roads and work pads, so as to minimize rock removal and earth disturbance.




POWER Engineers, Inc
2 Hampshire Street Suite 301
Foxborough, MA 02035

NOTES:

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ESC PLAN MAP BOOK 10
Scale 1"=100' when printed at 11" by 17"

0 10 20 30

Meters

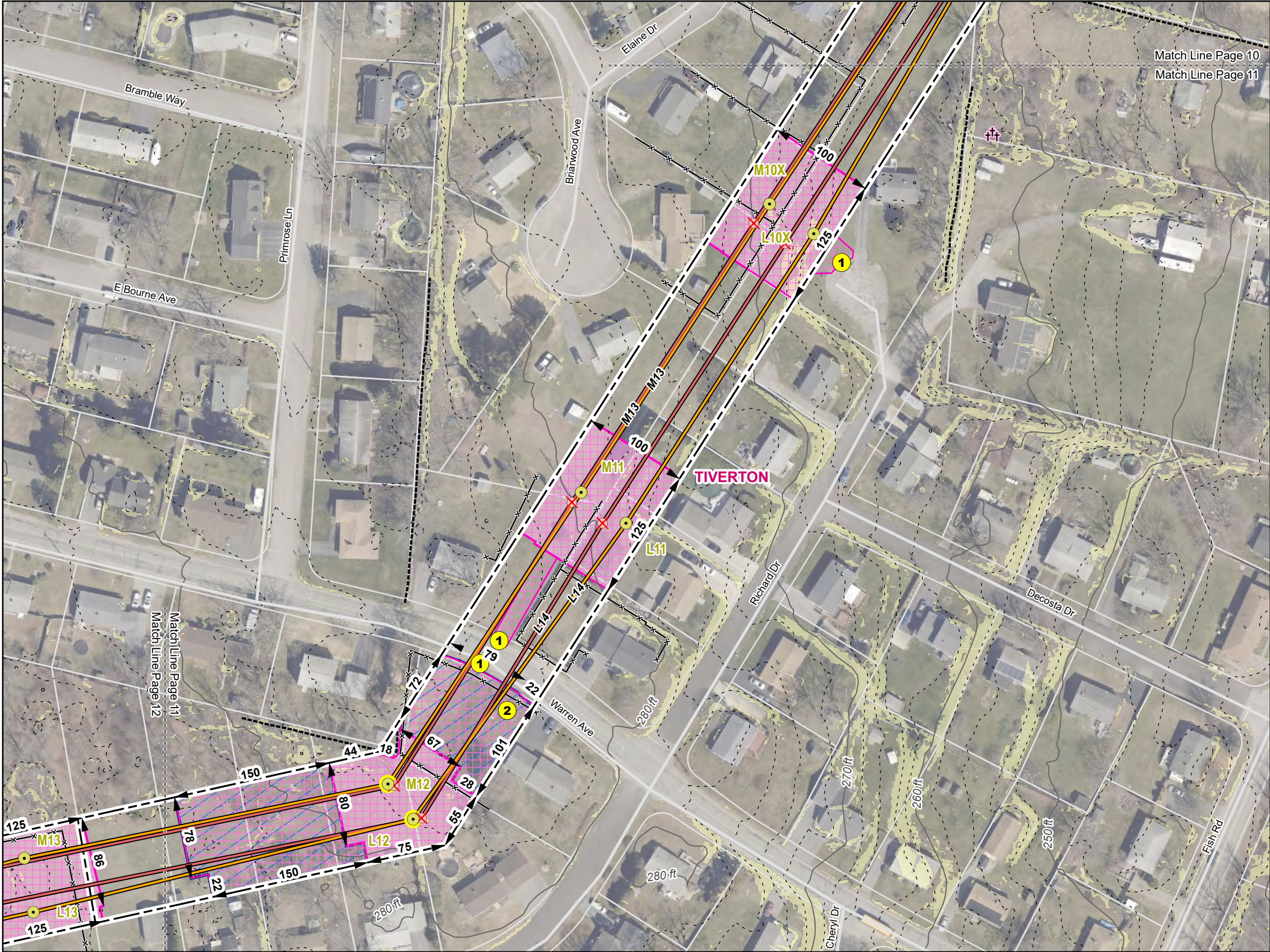
0 25 50 75 100

Feet



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT CONTROL PLAN			
L14 & M13 Mainline Rebuild Project			
Rhode Island Energy			
Town of Tiverton			
State of Rhode Island			
SCALE	JOB NO.	DATE:	SHEET
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- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Temporary Work Area - Alternative Type Matting
- Pull Site - Mow Only and Matting
- Alternative Type Matting
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Fence
- Stone Wall
- Historical Cemetery
- Install Stabilized construction ingress/egress
- Install temporary concrete wash station.

REVISIONS:

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POWER Engineers, Inc
2 Hampshire Street Suite 301
Foxborough, MA 02035

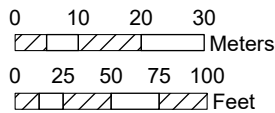
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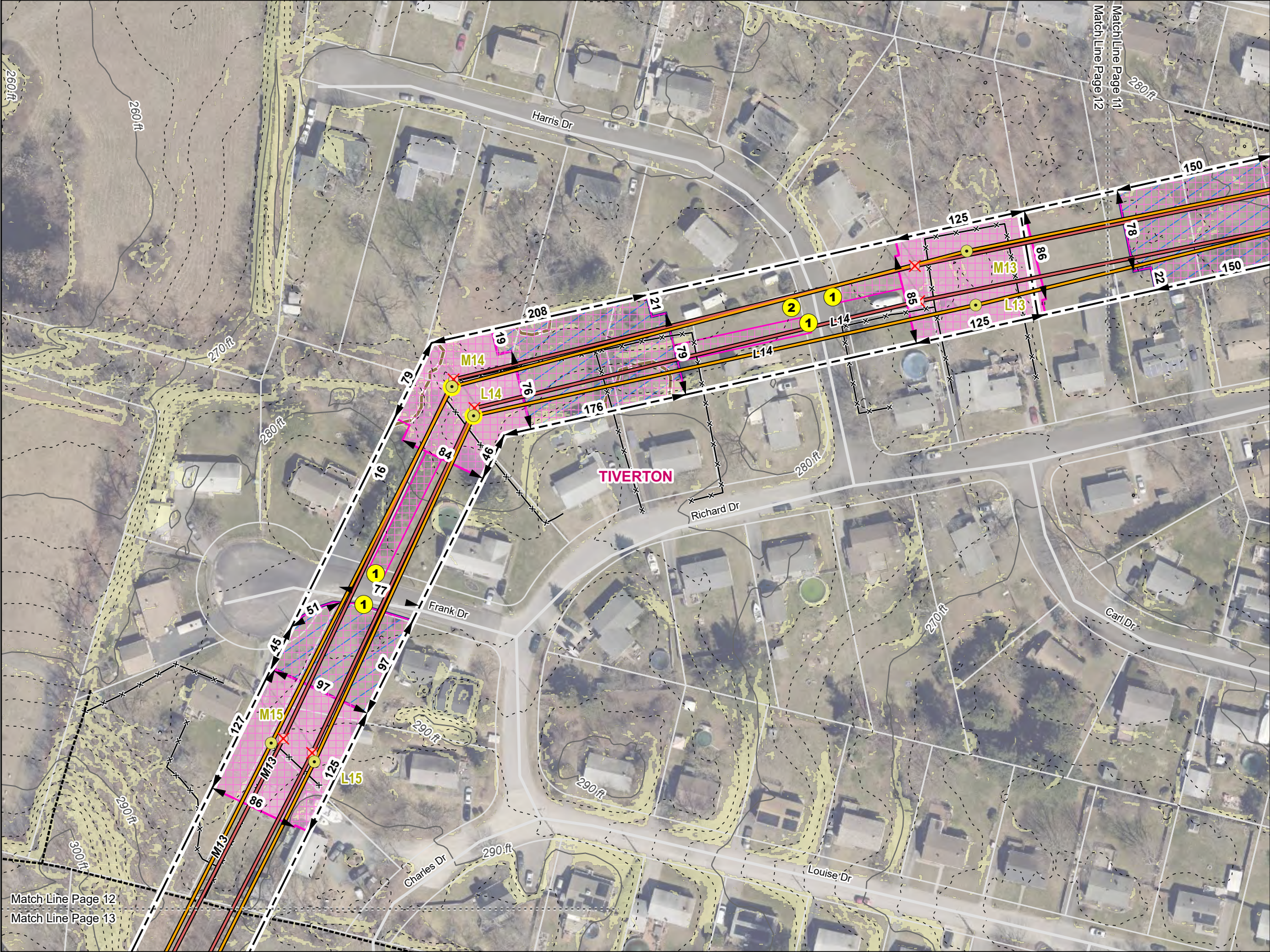
ESC PLAN MAP BOOK 11
Scale 1"=100' when printed at 11" by 17"



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Tiverton
State of Rhode Island

SCALE	JOB NO.	DATE:	SHEET
AS NOTED	249458	6/12/2024	11 of 47




- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Temporary Work Area - Alternative Type Matting
- Pull Site - Mow Only and Matting
- Alternative Type Matting
- Tree Trimming or Removal
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Fence
- Stone Wall
- 1 Install Stabilized construction ingress/egress
- 2 Install temporary concrete wash station.

REVISIONS:

The project Limit of Disturbance (LOD) are comprised of the outer edge of all work pads, pull pads, grading areas, and road improvements within the right-of-way (ROW) shown on these plans.

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Foxborough, MA 02035

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ESC PLAN MAP BOOK 12


Scale 1"=100' when printed at 11" by 17"

0 10 20 30

Meters

0 25 50 75 100

Feet



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT CONTROL PLAN

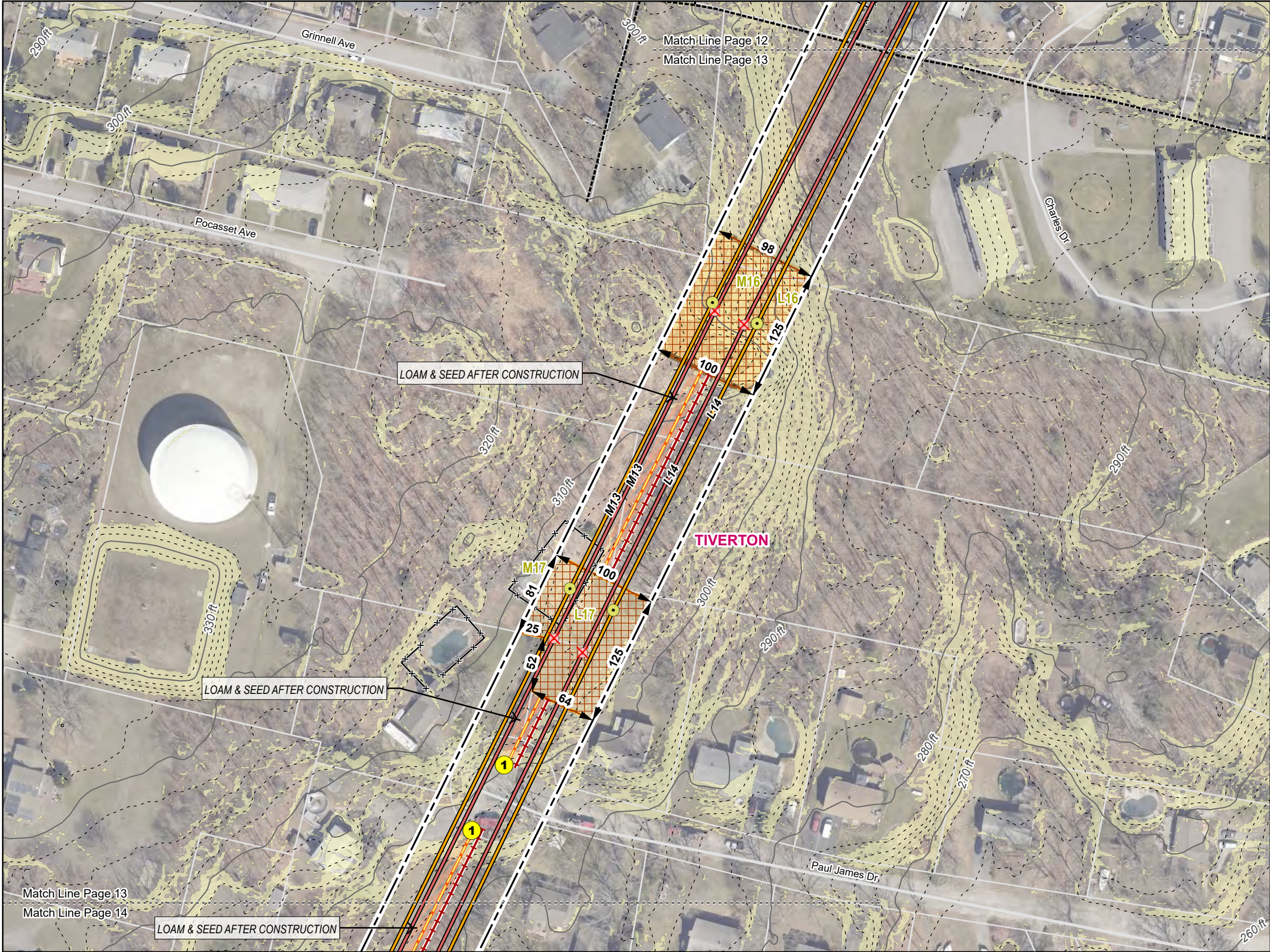
L14 & M13 Mainline Rebuild Project

Rhode Island Energy

Town of Tiverton

State of Rhode Island

SCALE	JOB NO.	DATE:	SHEET
AS NOTED	249458	6/12/2024	12 of 47



Proposed Structure
 Structure To Be Removed
 Proposed Structure with Concrete Foundation
 Existing Transmission Line
 Proposed Transmission Line
 Existing Right of Way

Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
 Perimeter Sediment Control
 Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
 Temporary Work Area - Mow Only
 Matted Work Pad - Stacked Mats
 Construction Matting
 Minor Road
 Index Contour (10' Interval)
 Contour (2' Interval)
 0 - 15% Slope
 > 15% Slope
 Parcel Boundary
 Fence
 Stone Wall
 Install Stabilized construction ingress/egress

REVISIONS:

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ESC PLAN MAP BOOK 13

Scale 1"=100' when printed at 11" by 17"

0 10 20 30

Meters

0 25 50 75 100

Feet

Rhode Island Energy
280 Melrose Street
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Foxborough, MA 02035

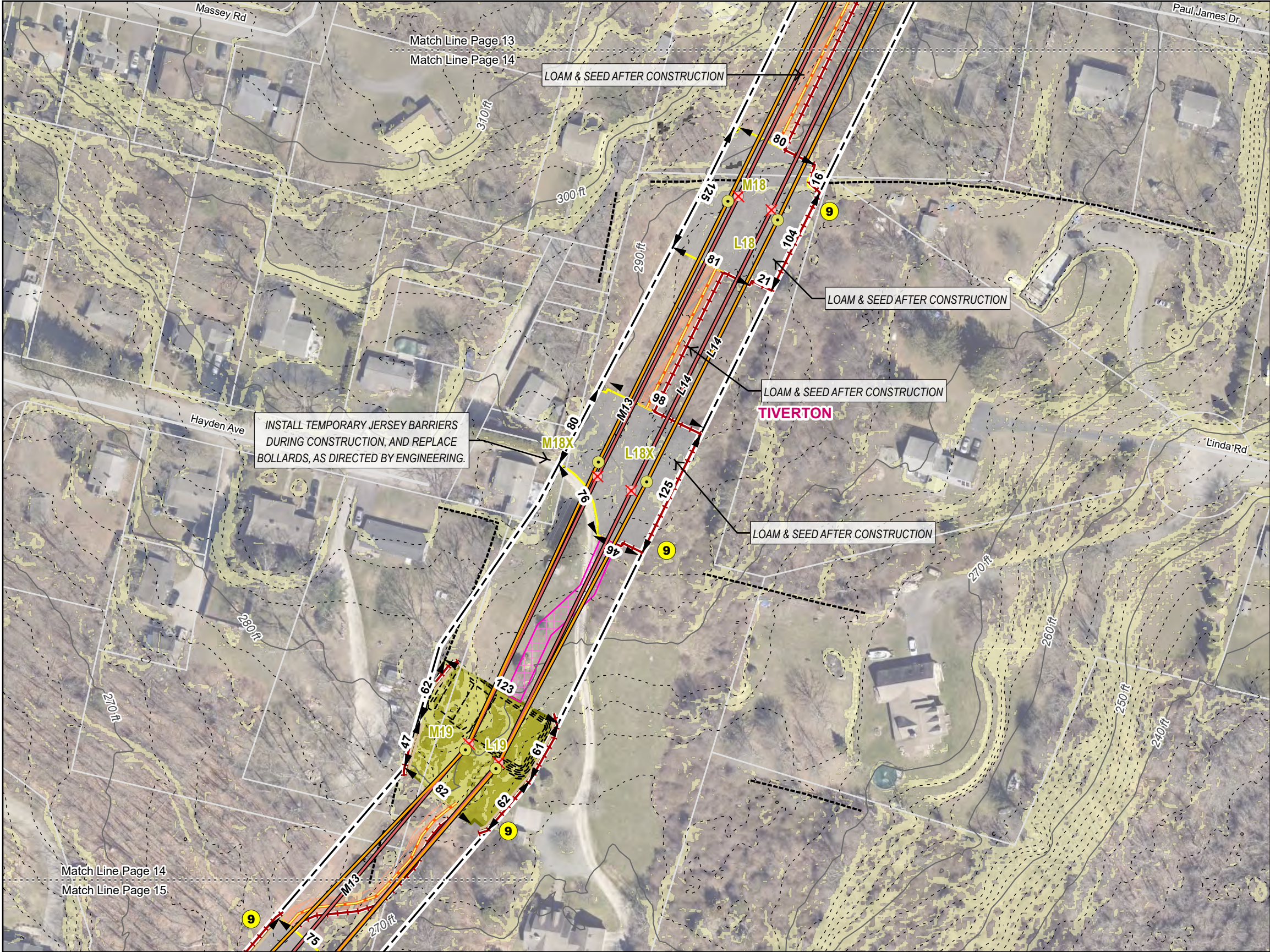
SOIL EROSION AND SEDIMENT CONTROL PLAN

L14 & M13 Mainline Rebuild Project

Rhode Island Energy

Town of Tiverton
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 13 of 47
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Proposed Structure

Structure To Be Removed

Proposed Structure with Concrete Foundation

Existing Transmission Line

Proposed Transmission Line

Existing Right of Way

Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications

Perimeter Sediment Control

Reinforced Silt Fence

Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications

Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work

Tiered Work Pad

Alternative Type Matting

Minor Road

Index Contour (10' Interval)

Contour (2' Interval)

Preliminary Grading Contour

0 - 15% Slope

> 15% Slope

Parcel Boundary

Stone Wall

Perimeter Sediment Controls

REVISIONS:
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ESC PLAN MAP BOOK 14

Scale 1"=100' when printed at 11" by 17"

0102030

Meters

0255075100

Feet

Rhode Island Energy

a PPL company

Rhode Island Energy

280 Melrose Street

Providence, RI 02907

POWER ENGINEERS

POWER Engineers, Inc
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SOIL EROSION AND SEDIMENT CONTROL PLAN

L14 & M13 Mainline Rebuild Project

Rhode Island Energy

Town of Tiverton

State of Rhode Island

SCALE
AS NOTED

JOB NO.
249458

DATE:
6/12/2024

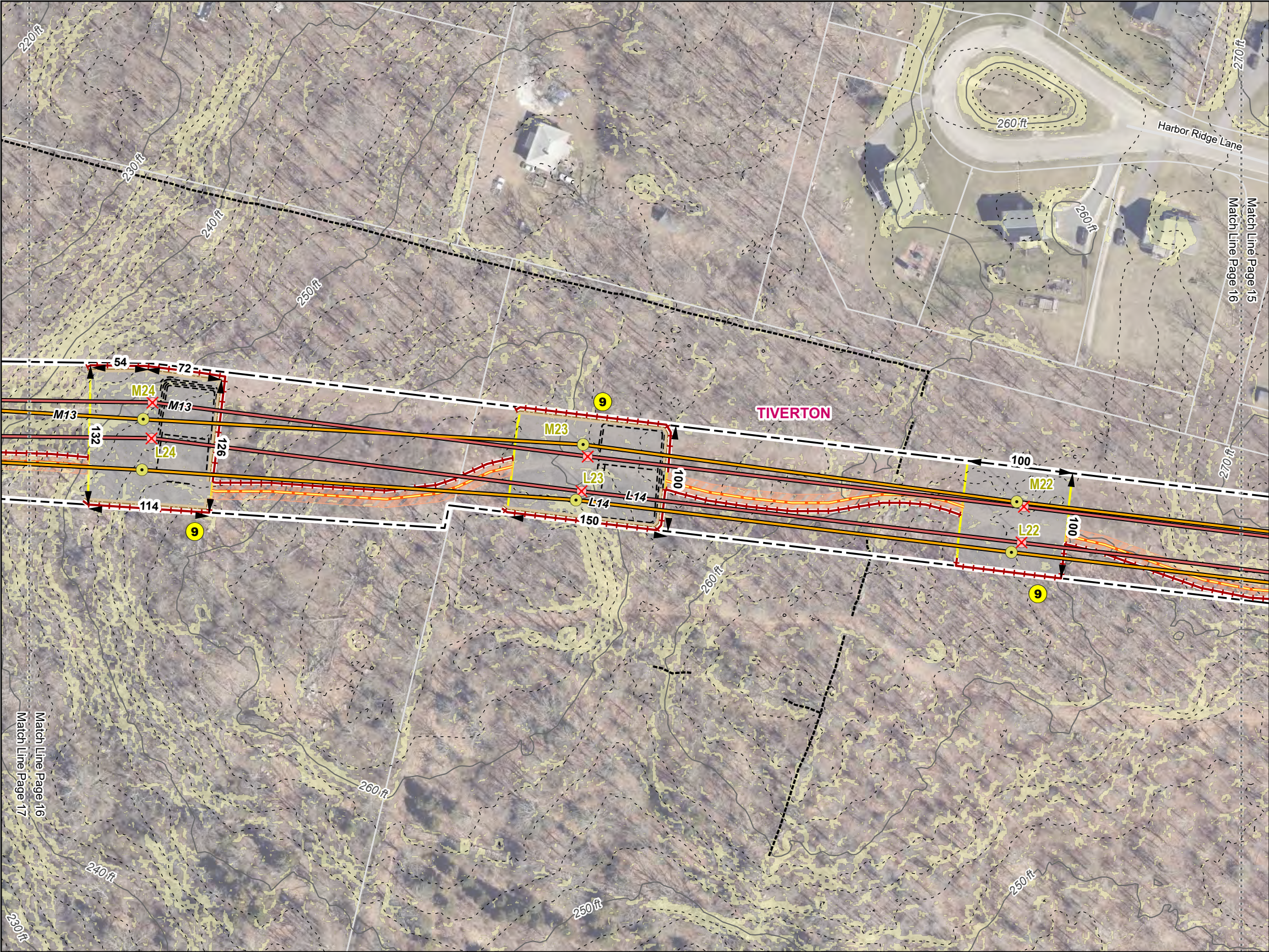
SHEET
14 of 47

- REVISIONS:
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POWER Engineers, Inc
2 Hampshire Street Suite 301
Foxborough, MA 02035

SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Tiverton
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 15 of 47
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- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
- Perimeter Sediment Control
- Reinforced Silt Fence
- Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
- Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- Preliminary Grading Contour
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Stone Wall
- 9 Perimeter Sediment Controls

REVISIONS:
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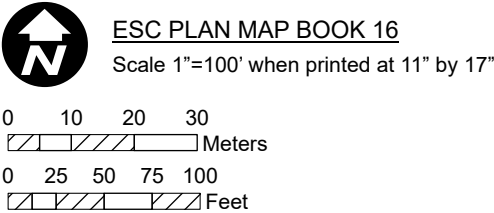
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Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Tiverton
State of Rhode Island


SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 16 of 47
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- REVISIONS:**
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Foxborough, MA 02035



0 25 50 75 100

 Feet




Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Tiverton
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 17 of 47
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SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Tiverton
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 18 of 47
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SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Tiverton
State of Rhode Island

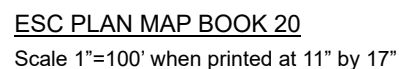
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 19 of 47
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POWER Engineers, Inc
2 Hampshire Street Suite 301
Foxborough, MA 02035

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 20 of 47
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








Rhode Island Energy
280 Melrose Street
Providence, RI 02907

- REVISIONS:**
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SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Tiverton
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 21 of 47
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- | | | | |
|---|---|---|--|
|  | Proposed Structure |  | Index Contour (10' Interval) |
|  | Structure To Be Removed |  | Contour (2' Interval) |
|  | Proposed Structure with Concrete Foundation | | 0 - 15% Slope |
|  | Existing Transmission Line |  | > 15% Slope |
|  | Proposed Transmission Line |  | Parcel Boundary |
|  | RIE Owned Land |  | Culvert |
|  | Existing Right of Way |  | Wetland Flag |
|  | No Improvements - Existing Access (15' Wide) |  | Fence |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications |  | Stone Wall |
|  | Perimeter Sediment Control |  | Wetland Border |
|  | Straw Wattle |  | Perennial Stream or River |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications |  | Intermittent Stream |
|  | No Improvements - Existing Access (15' Wide) |  | Mean Annual High Water Line |
|  | Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work |  | River/Stream Jurisdictional Area (200') |
|  | Pull Site - Temporary Stone and Restore; No Subsoil Grading |  | Wetland Jurisdictional Area (100') |
|  | Pull Site - Mow Only and Matting |  | 200 ft CRMC Contiguous Area |
|  | Matted Work Pad - Stacked Mats |  | Field Delineated Wetland |
|  | Construction Matting |  | FEMA - 100 Year Floodplain |
|  | Minor Road |  | 1 Install Stabilized construction ingress/egress |
| | |  | 2 Install temporary concrete wash station. |
| | |  | 3 Soil stockpile area encompassed with perimeter erosion controls. |
| | |  | 4 Dewatering Area |
| | |  | 5 Install temporary mud box. |
| | |  | 8 Stream crossing will use construction mat bridge detail |
| | |  | 9 Perimeter Sediment Controls |

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SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Tiverton
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 22 of 47
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NOTES:

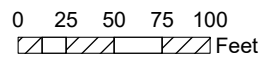
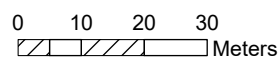
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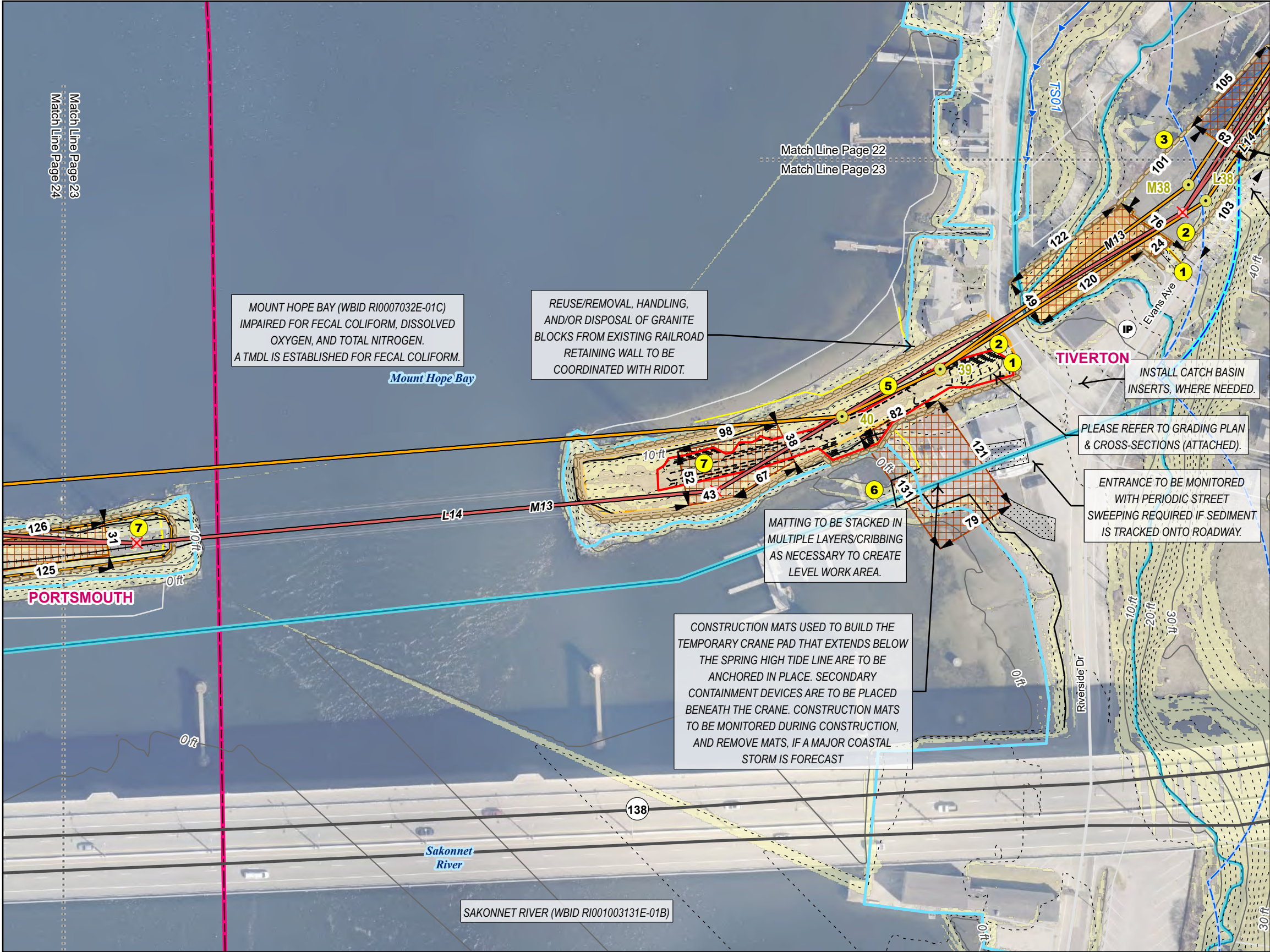


ESC PLAN MAP BOOK 22

Scale 1"=100' when printed at 11" by 17"



Rhode Island Energy
280 Melrose Street
Providence, RI 02907



- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- No Improvements - Existing Access (15' Wide)
- Straw Wattle
- Reinforced Silt Fence
- Orange Construction Barrier
- Limit of Grading Disturbance
- No Improvements - Existing Access (15' Wide)
- Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work
- Temporary Work Area - Mow Only
- Pull Site - Mow Only and Matting
- Matted Work Pad - Stacked Mats
- Construction Matting
- State Highway
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- Preliminary Grading Contour
- 0 - 15% Slope
- > 15% Slope
- Town Boundary
- Parcel Boundary
- Top of Manmade Shoreline
- Coastal Beach
- Perennial Stream or River
- Mean Annual High Water Line
- River/Stream Jurisdictional Area (200')
- 200 ft CPMC Contiguous Area
- FEMA - 100 Year Floodplain
- Inlet Protection
- 1 Install Stabilized construction ingress/egress
- 2 Install temporary concrete wash station.
- 3 Soil stockpile area encompassed with perimeter erosion controls.
- 5 Install temporary mud box.
- 6 Construction mats used to build the temporary crane pad or work pad that extends below the spring high tide line are to be anchored in place. Secondary containment devices are to be placed beneath the crane and other equipment.
- 7 Roll-off containers lined with polyethylene sheeting are to be used to contain the steel members of the existing steel lattice structures to be removed.

REVISIONS:
The project Limit of Disturbance (LOD) are comprised of the outer edge of all work pads, pull pads, grading areas, and road improvements within the right-of-way (ROW) shown on these plans.

Final determinations will be made in the field by Rhode Island Energy as to the extent of grading that is required for access roads and work pads, so as to minimize rock removal and earth disturbance.



POWER Engineers, Inc
2 Hampshire Street Suite 301
Foxborough, MA 02035

NOTES:

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ESC PLAN MAP BOOK 23

Scale 1"=100' when printed at 11" by 17"

0 10 20 30
Meters

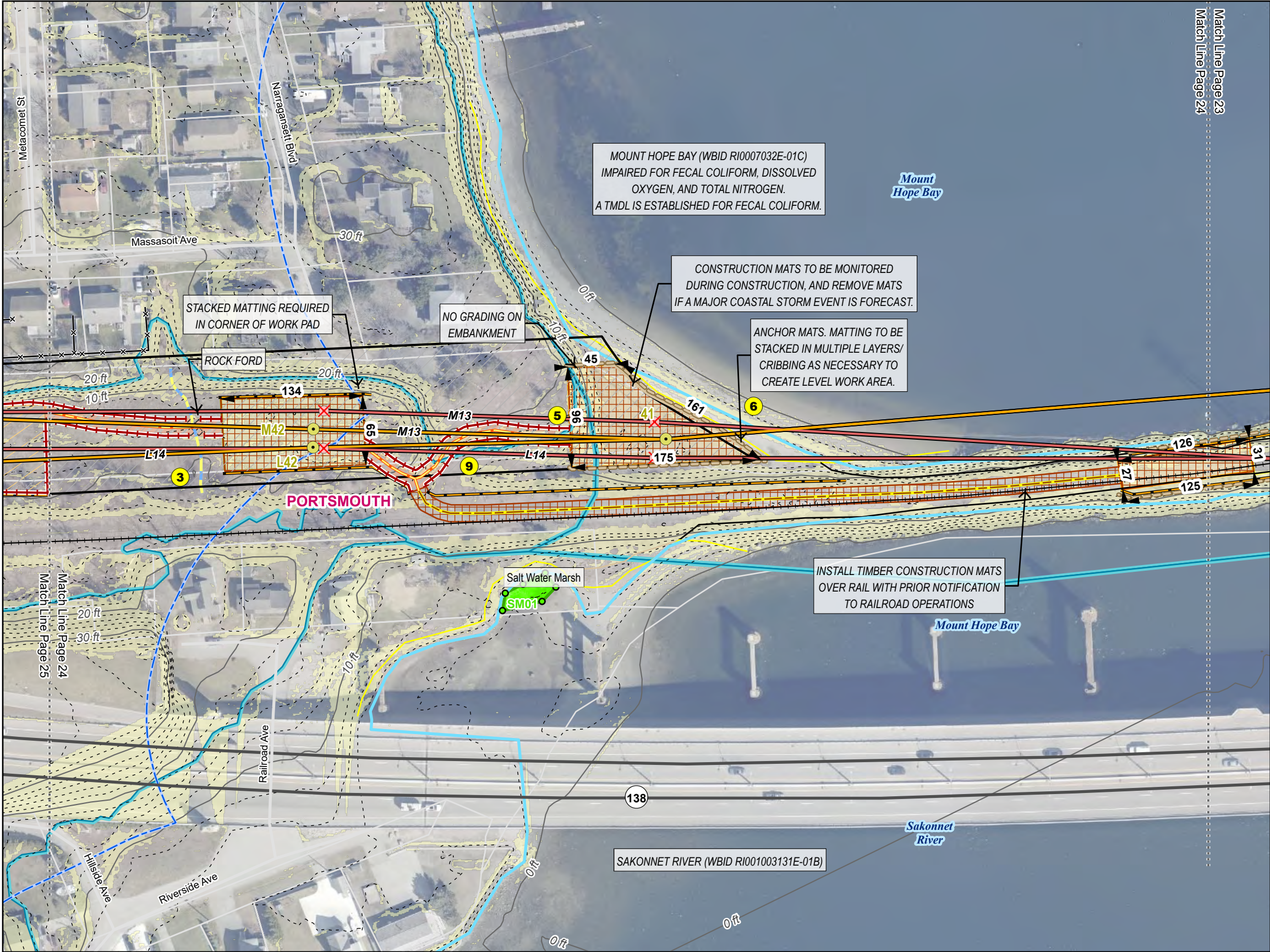
0 25 50 75 100
Feet



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Towns of Tiverton and Portsmouth
State of Rhode Island

SCALE	JOB NO.	DATE:	SHEET
AS NOTED	249458	6/12/2024	23 of 47



- | | | | |
|--|---|--|---|
| | Proposed Structure | | Rock Ford |
| | Structure To Be Removed | | State Highway |
| | Proposed Structure with Concrete Foundation | | Minor Road |
| | Existing Transmission Line | | Index Contour (10' Interval) |
| | Proposed Transmission Line | | Contour (2' Interval) |
| | RIE Owned Land | | 0 - 15% Slope |
| | No Improvements - Existing Access (15' Wide) | | > 15% Slope |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications | | Parcel Boundary |
| | Perimeter Sediment Control | | Wetland Flag |
| | Straw Wattle | | Fence |
| | Reinforced Silt Fence | | Top of Manmade Shoreline |
| | Orange Construction Barrier | | Coastal Beach |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications | | Coastal Dune |
| | Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work | | Wetland Border |
| | Work Area - Temporary Stone and Restore. Subsurface Grading Required.* | | Mean Annual High Water Line |
| | Temporary Work Area - Mow Only | | Area Subject to Storm Flowage (ASSF) |
| | Pull Site - Temporary Stone and Restore; No Subsoil Grading | | 200 ft CRMC Contiguous Area |
| | Construction Matting | | Field Delineated Wetland |
| | | | FEMA - 100 Year Floodplain |
| | | | 3 Soil stockpile area encompassed with perimeter erosion controls. |
| | | | 5 Install temporary mud box. |
| | | | 6 Construction mats used to build the temporary crane pad or work pad that extends below the spring high tide line are to be anchored in place. Secondary containment devices are to be placed beneath the crane and other equipment. |
| | | | 9 Perimeter Sediment Controls |

REVISIONS:

The project Limit of Disturbance (LOD) are comprised of the outer edge of all work pads, pull pads, grading areas, and road improvements within the right-of-way (ROW) shown on these plans.

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Foxborough, MA 02035

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ESC PLAN MAP BOOK 24

Scale 1"=100' when printed at 11" by 17"

0 10 20 30
Meters

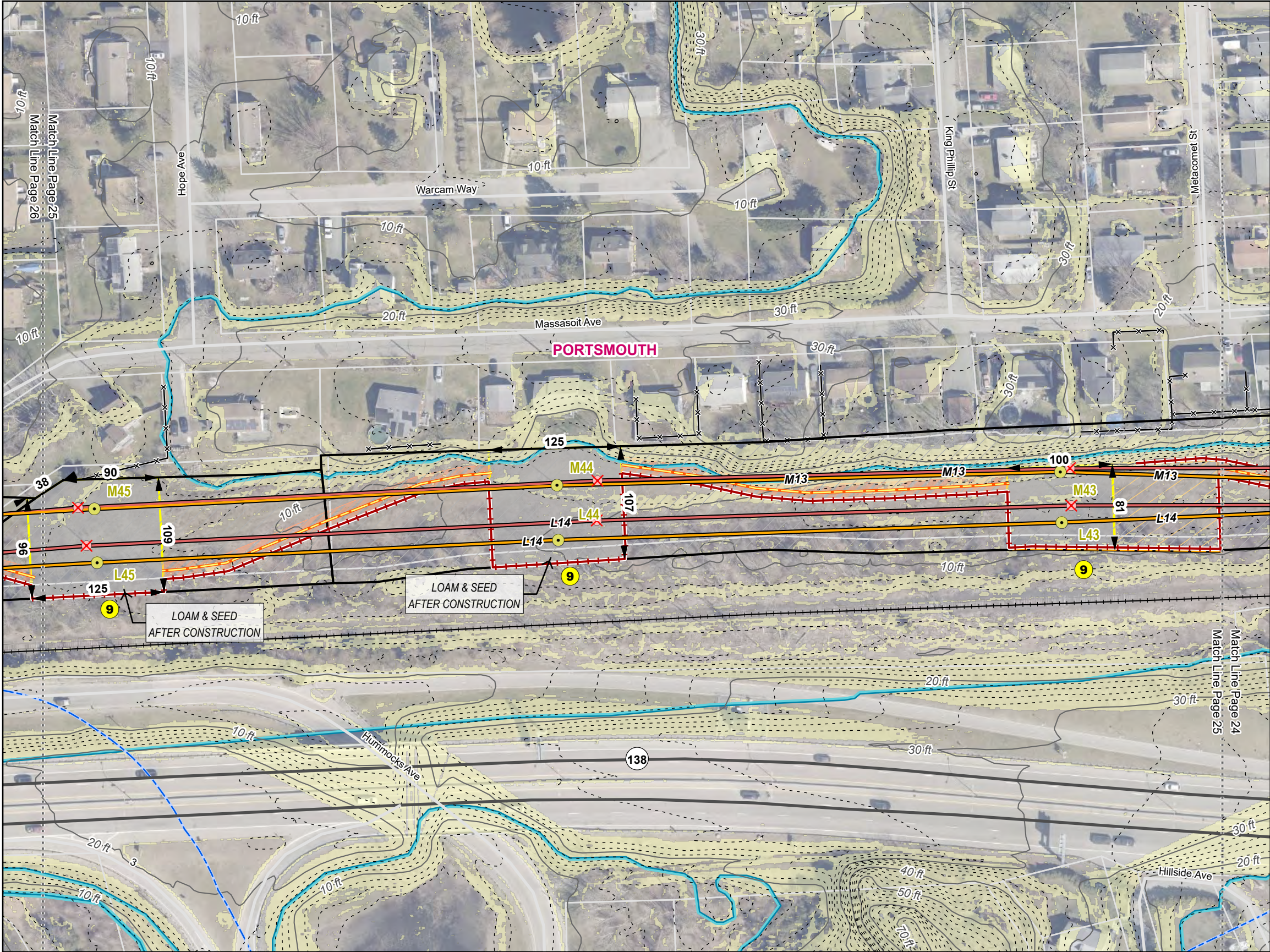
0 25 50 75 100
Feet



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 24 of 47
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- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
- Perimeter Sediment Control
- Orange Construction Barrier
- Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
- Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work
- Pull Site - Temporary Stone and Restore; No Subsoil Grading
- State Highway
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Fence
- 200 ft CRMC Contiguous Area
- FEMA - 100 Year Floodplain
- Perimeter Sediment Controls

REVISIONS:
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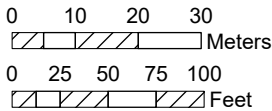
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ESC PLAN MAP BOOK 25
Scale 1"=100' when printed at 11" by 17"



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

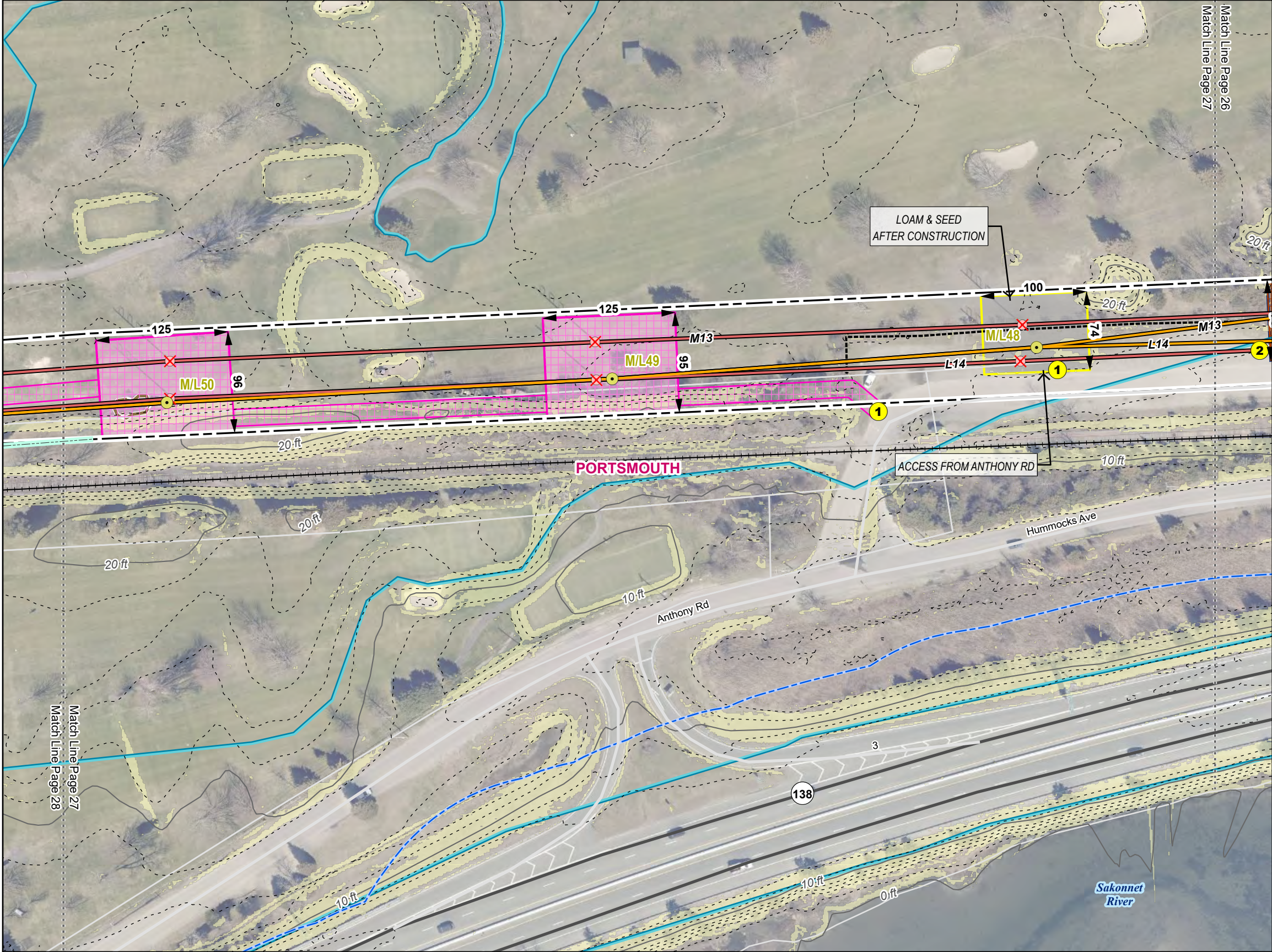
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 25 of 47
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- REVISIONS:**
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**SOIL EROSION AND SEDIMENT
CONTROL PLAN**
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 26 of 47
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- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Centerline Easement Rights for Operation and Maintenance
- Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work
- Temporary Work Area - Alternative Type Matting
- Pull Site - Mow Only and Matting
- Construction Matting
- Alternative Type Matting
- Tree Trimming or Removal
- State Highway
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Stone Wall
- 200 ft CRM Contiguous Area
- FEMA - 100 Year Floodplain
- 1 Install Stabilized construction ingress/egress
- 2 Install temporary concrete wash station.

REVISIONS:
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Foxborough, MA 02035

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ESC PLAN MAP BOOK 27
Scale 1"=100' when printed at 11" by 17"

0 10 20 30

Meters

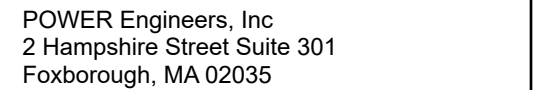
0 25 50 75 100

Feet

Rhode Island Energy
280 Melrose Street
Providence, RI 02907

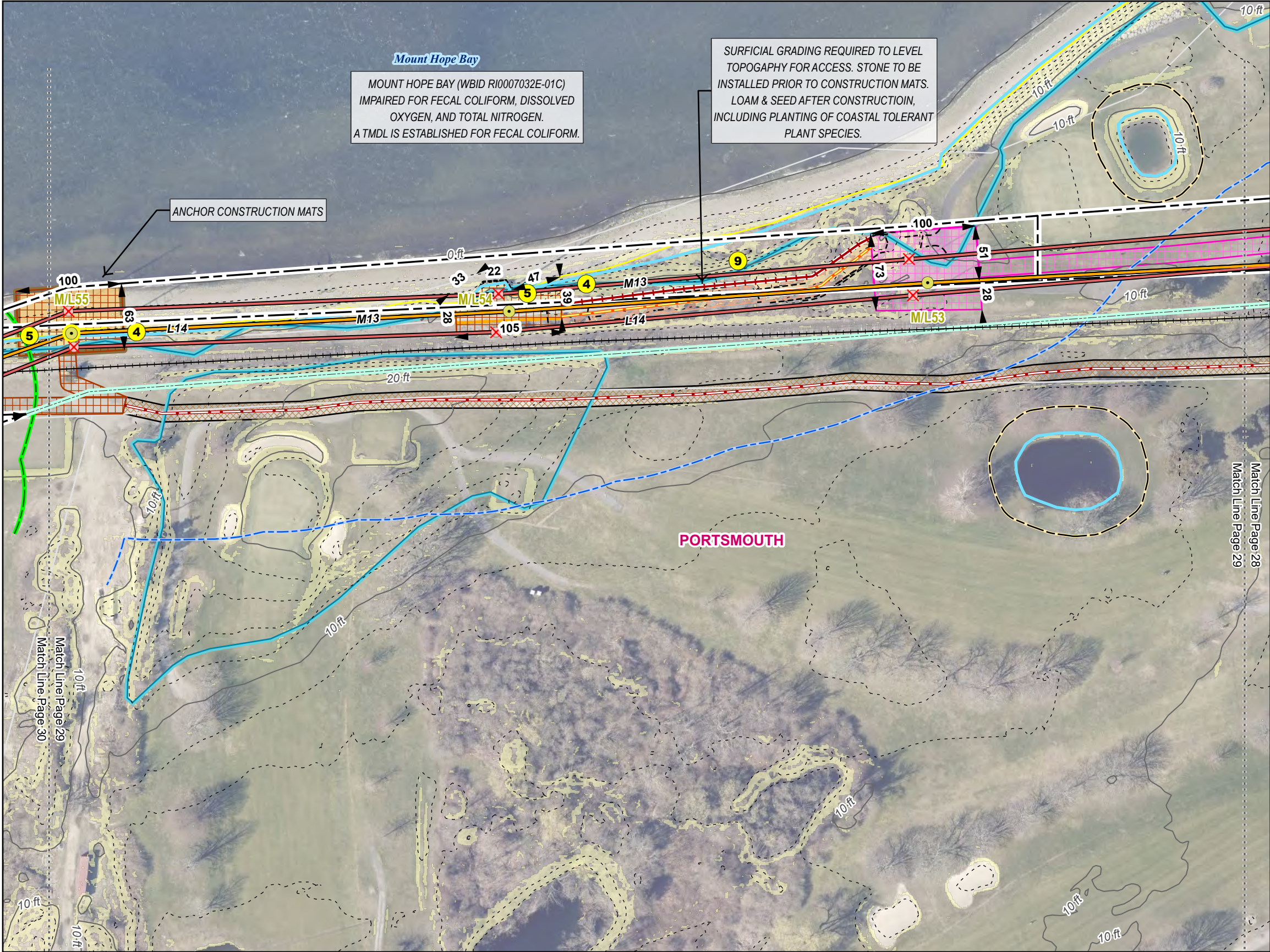
SOIL EROSION AND SEDIMENT CONTROL PLAN			
L14 & M13 Mainline Rebuild Project			
Rhode Island Energy			
Town of Portsmouth			
State of Rhode Island			
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 27 of 47

- REVISIONS:**
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Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 28 of 47
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- | | | | |
|--|---|--|------------------------------------|
| | Proposed Structure | | Temporary Work Area - Mow Only |
| | Structure To Be Removed | | Matted Work Pad - Stacked Mats |
| | Proposed Structure with Concrete Foundation | | Construction Matting |
| | Existing Transmission Line | | Alternative Type Matting |
| | Proposed Transmission Line | | Index Contour (10' Interval) |
| | Existing Right of Way | | Contour (2' Interval) |
| | Centerline Easement Rights for Operation and Maintenance | | Preliminary Grading Contour |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications | | 0 - 15% Slope |
| | Type R - Refresh/Cap Existing Sub-base | | > 15% Slope |
| | Perimeter Sediment Control | | Parcel Boundary |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications | | Coastal Beach |
| | Type R - Refresh/Cap Existing Sub-base | | Stone Wall |
| | Temporary Work Area - Alternative Type Matting | | Mean Annual High Water Line |
| | | | Wetland Jurisdictional Area (100') |
| | | | Lake/Pond Buffer Area (25') |
| | | | 200 ft CRMC Contiguous Area |
| | | | FEMA - 100 Year Floodplain |
| | | | Dewatering Area |
| | | | Install temporary mud box. |
| | | | Perimeter Sediment Controls |

REVISIONS:

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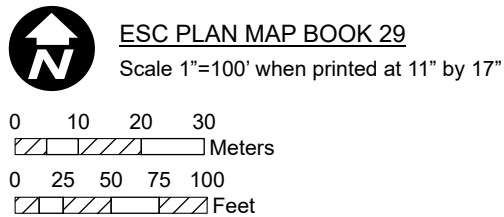
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	POWER Engineers, Inc 2 Hampshire Street Suite 301 Foxborough, MA 02035
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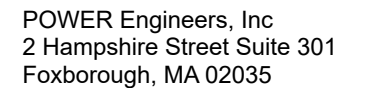
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Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT CONTROL PLAN			
L14 & M13 Mainline Rebuild Project			
Rhode Island Energy			
Town of Portsmouth			
State of Rhode Island			
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 29 of 47

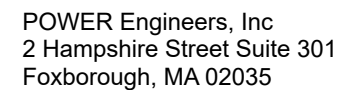
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280 Melrose Street
Providence, RI 02907

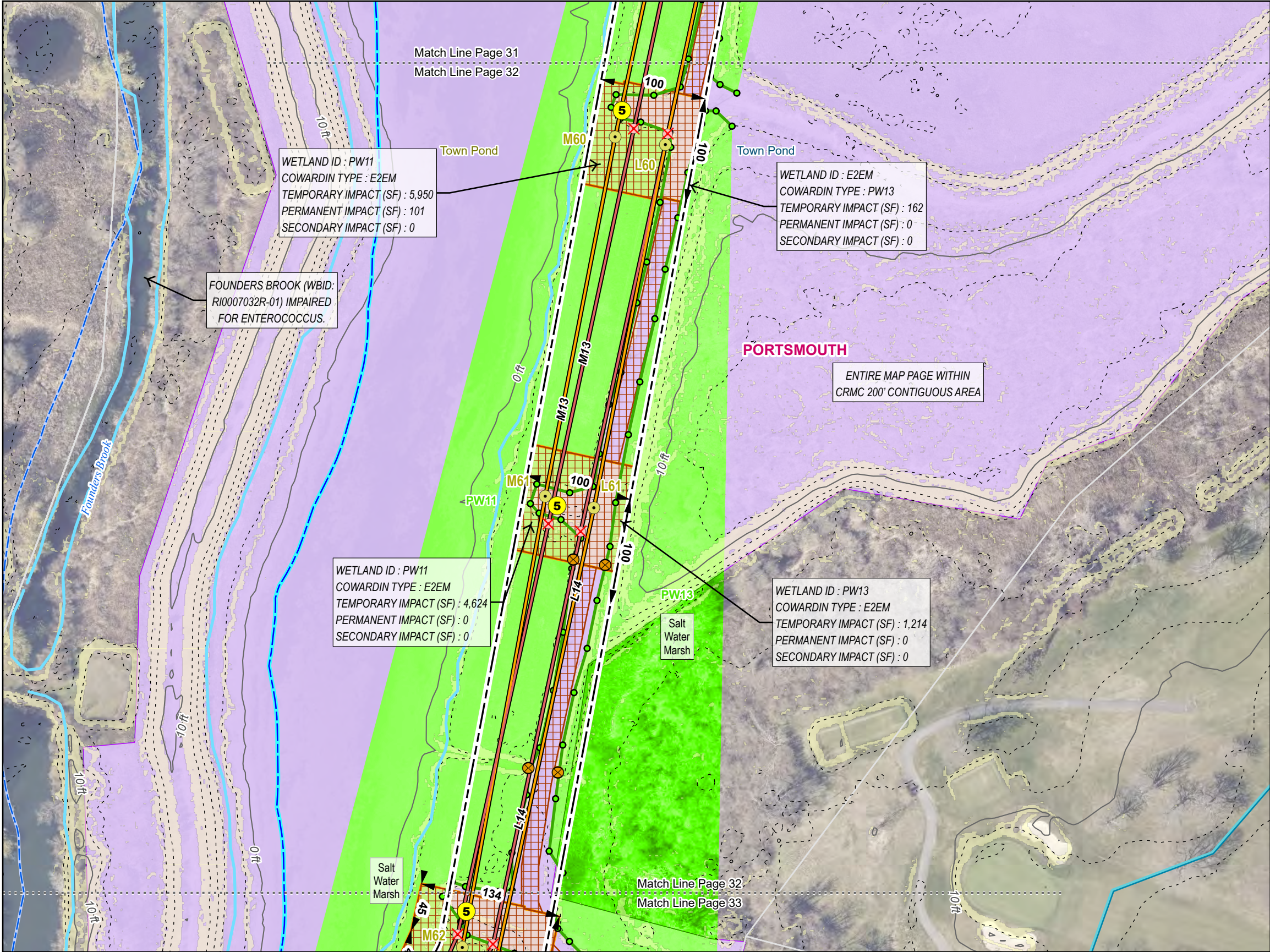
SCALE	JOB NO.	DATE:	SHEET
AS NOTED	249458	6/12/2024	30 of 47

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Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 31 of 47
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- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Temporary Work Area - Mow Only
- Construction Matting
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Culvert
- Wetland Flag
- Wetland Border
- Mean Annual High Water Line
- River/Stream Jurisdictional Area (200')
- 200 ft CRMC Contiguous Area
- Field Delineated Wetland
- FEMA - 100 Year Floodplain
- Local Conservation Area
- State Conservation Area
- 5 Install temporary mud box.

REVISIONS:

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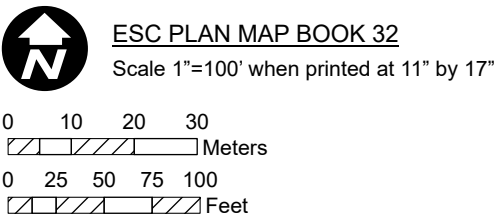


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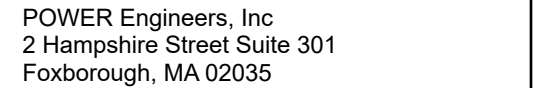


Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

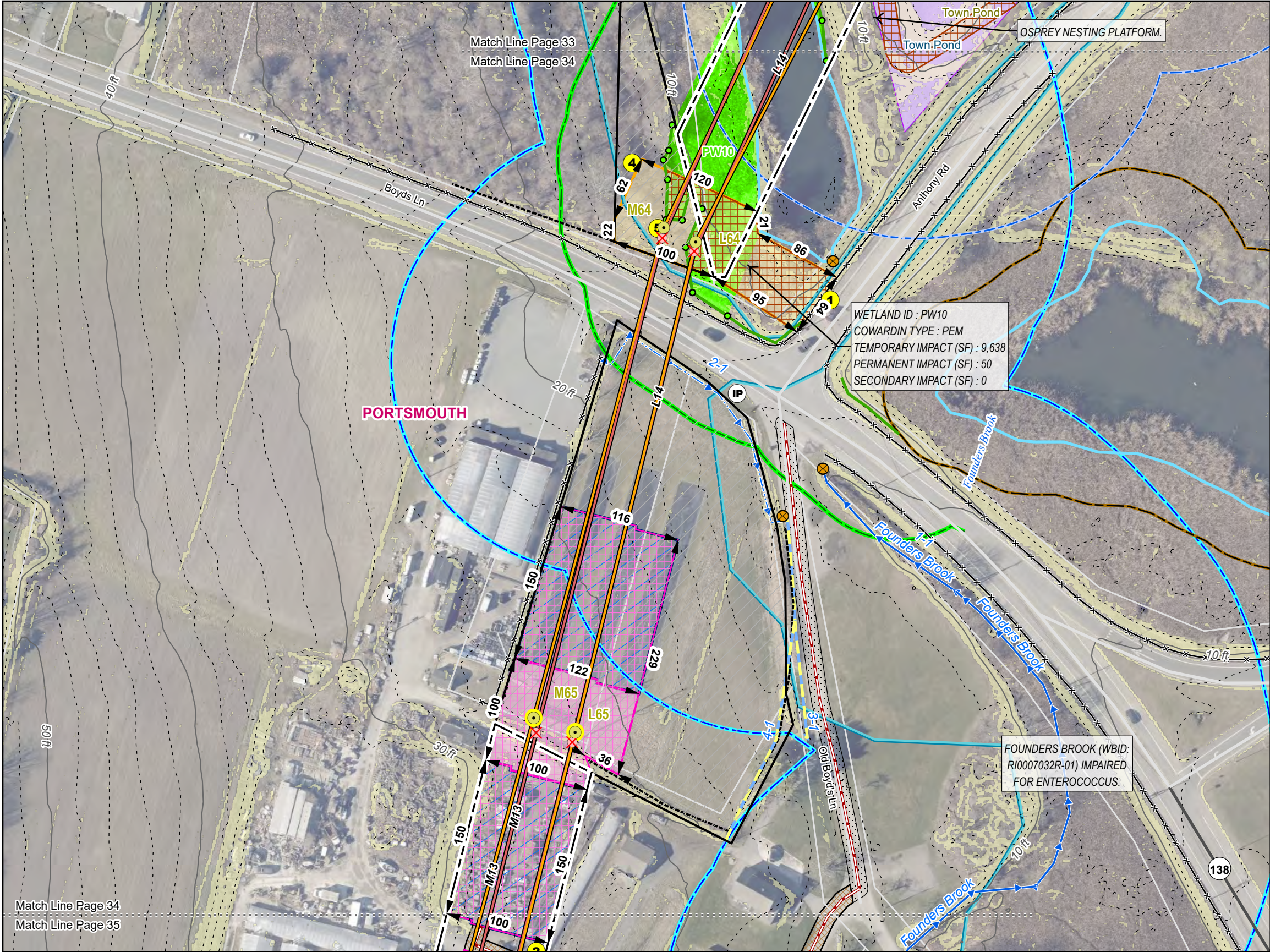
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 32 of 47
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- REVISIONS:**
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**SOIL EROSION AND SEDIMENT
CONTROL PLAN**
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 33 of 47
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- | | |
|--|--|
| Proposed Structure | Man Hole |
| Structure To Be Removed | Wetland Flag |
| Proposed Structure with Concrete Foundation | Fence |
| Existing Transmission Line | Stone Wall |
| Proposed Transmission Line | Wetland Border |
| RIE Owned Land | Perennial Stream or River |
| Existing Right of Way | Intermittent Stream |
| Type R - Refresh/Cap Existing Sub-base | Mean Annual High Water Line |
| Type R - Refresh/Cap Existing Sub-base | Area Subject to Storm Flowage (ASSF) |
| No Improvements - Existing Access (15' Wide) | River/Stream Jurisdictional Area (200') |
| Temporary Work Area - Alternative Type Matting | Wetland Jurisdictional Area (100') |
| Temporary Work Area - Mow Only | Lake/Pond Buffer Area (50') |
| Pull Site - Mow Only and Matting | 200 ft CRMC Contiguous Area |
| Construction Matting | Field Delineated Wetland |
| Alternative Type Matting | FEMA - 100 Year Floodplain |
| State Highway | Local Conservation Area |
| Minor Road | State Conservation Area |
| Index Contour (10' Interval) | Inlet Protection |
| Contour (2' Interval) | 1 Install Stabilized construction ingress/egress |
| 0 - 15% Slope | 2 Install temporary concrete wash station |
| > 15% Slope | 4 Dewatering Area |
| Parcel Boundary | 5 Install temporary mud box |
| Culvert | |

REVISIONS:

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Foxborough, MA 02035

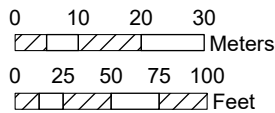
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





























ESC PLAN MAP BOOK 34
Scale 1"=100' when printed at 11" by 17"



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 34 of 47
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- | | | | |
|---|--|---|--|
|  | Proposed Structure |  | Index Contour (10' Interval) |
|  | Structure To Be Removed |  | Contour (2' Interval) |
|  | Proposed Structure with Concrete Foundation | | 0 - 15% Slope |
|  | Existing Transmission Line |  | > 15% Slope |
|  | Proposed Transmission Line |  | Parcel Boundary |
|  | Existing Right of Way |  | Wetland Flag |
|  | Type R - Refresh/Cap Existing Sub-base |  | Stone Wall |
|  | Perimeter Sediment Control |  | Perennial Stream or River |
|  | Type R - Refresh/Cap Existing Sub-base |  | Mean Annual High Water Line |
|  | No Improvements - Existing Access (15' Wide) |  | River/Stream Jurisdictional Area (200') |
|  | Temporary Work Area - Alternative Type Matting |  | Wetland Jurisdictional Area (100') |
|  | Temporary Work Area - Mow Only |  | Lake/Pond Buffer Area (50') |
|  | Pull Site - Mow Only and Matting |  | FEMA - 100 Year Floodplain |
|  | Construction Matting |  | 1 Install Stabilized construction ingress/egress |
|  | Alternative Type Matting |  | 2 Install temporary concrete wash station. |
|  | State Highway |  | 4 Dewatering Area |
|  | Minor Road |  | 9 Perimeter Sediment Controls |

The project Limit of Disturbance (LOD) are comprised of the outer edge of all work pads, pull pads, grading areas, and road improvements within the right-of-way (ROW) shown on these plans.

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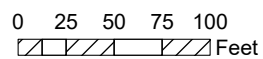
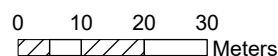
POWER Engineers, Inc
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Foxborough, MA 02035

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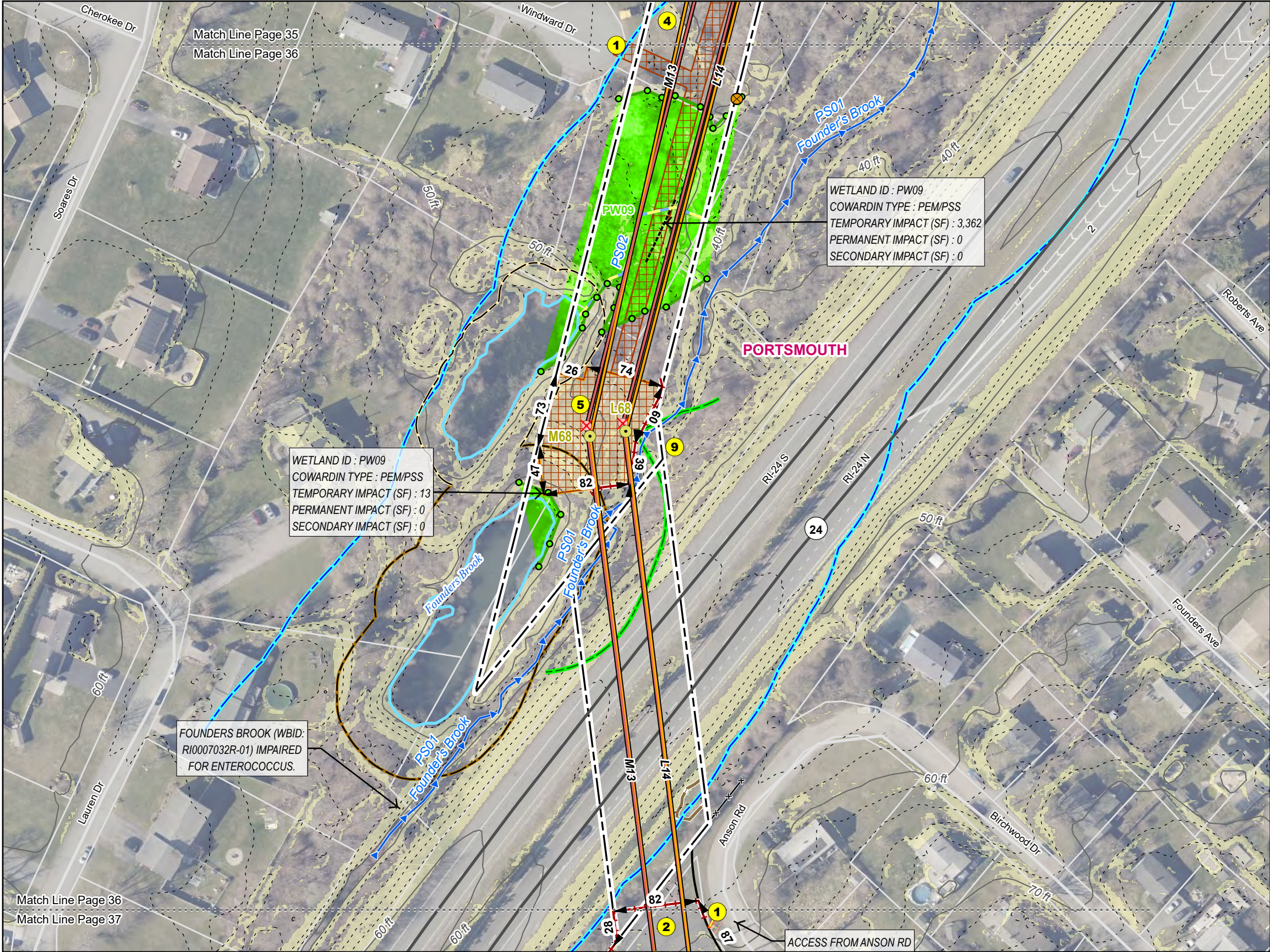
Scale 1"=100' when printed at 11" by 17"



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

**SOIL EROSION AND SEDIMENT
CONTROL PLAN**
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 35 of 47
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- | | | | |
|--|---|--|--|
| | Proposed Structure | | Contour (2' Interval) |
| | Structure To Be Removed | | 0 - 15% Slope |
| | Proposed Structure with Concrete Foundation | | > 15% Slope |
| | Existing Transmission Line | | Parcel Boundary |
| | Proposed Transmission Line | | Culvert |
| | RIE Owned Land | | Wetland Flag |
| | Existing Right of Way | | Fence |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications | | Stone Wall |
| | Perimeter Sediment Control | | Perennial Stream or River |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications | | Mean Annual High Water Line |
| | Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work | | Area Subject to Storm Flowage (ASSF) |
| | Temporary Work Area - Mow Only | | River/Stream Jurisdictional Area (200') |
| | Construction Matting | | Wetland Jurisdictional Area (100') |
| | Tree Trimming or Removal | | Lake/Pond Buffer Area (50') |
| | State Highway | | Lake/Pond Buffer Area (25') |
| | Minor Road | | Field Delineated Wetland |
| | Index Contour (10' Interval) | | Install Stabilized construction ingress/egress |
| | | | Install temporary concrete wash station. |
| | | | Dewatering Area |
| | | | Install temporary mud box. |
| | | | Perimeter Sediment Controls |

REVISIONS:

The project Limit of Disturbance (LOD) are comprised of the outer edge of all work pads, pull pads, grading areas, and road improvements within the right-of-way (ROW) shown on these plans.

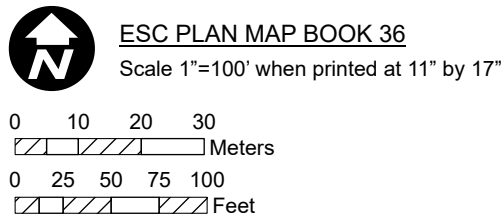
Final determinations will be made in the field by Rhode Island Energy as to the extent of grading that is required for access roads and work pads, so as to minimize rock removal and earth disturbance.

	POWER Engineers, Inc 2 Hampshire Street Suite 301 Foxborough, MA 02035
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SOIL EROSION AND SEDIMENT CONTROL PLAN			
L14 & M13 Mainline Rebuild Project			
Rhode Island Energy			
Town of Portsmouth			
State of Rhode Island			
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 36 of 47

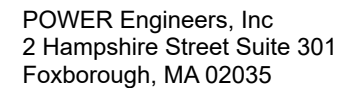
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**SOIL EROSION AND SEDIMENT
CONTROL PLAN**
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 37 of 47
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**SOIL EROSION AND SEDIMENT
CONTROL PLAN**
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

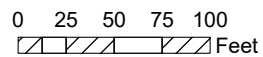
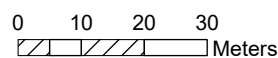
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 38 of 47
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


















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Scale 1"=100' when printed at 11" by 17"



Rhode Island Energy
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- | | | | |
|---|---|---|--|
|  | Proposed Structure |  | Minor Road |
|  | Structure To Be Removed |  | Index Contour (10' Interval) |
|  | Proposed Structure with Concrete Foundation |  | Contour (2' Interval) |
|  | Existing Transmission Line |  | Preliminary Grading Contour |
|  | Proposed Transmission Line | | 0 - 15% Slope |
|  | RIE Owned Land |  | > 15% Slope |
|  | Existing Right of Way |  | Parcel Boundary |
|  | No Improvements - Existing Access (15' Wide) |  | Wetland Flag |
|  | Perimeter Sediment Control |  | Fence |
|  | Reinforced Silt Fence |  | Stone Wall |
|  | Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work |  | Wetland Border |
|  | Temporary Work Area - Alternative Type Matting |  | Ditch |
|  | Construction Matting |  | Wetland Jurisdictional Area (100') |
|  | Alternative Type Matting |  | Field Delineated Wetland |
|  | State Highway |  | 1 Install Stabilized construction ingress/egress |
| | |  | 4 Dewatering Area |
| | |  | 9 Perimeter Sediment Controls |

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SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

SCALE
AS NOT

JOB NO
249458

DATE:
6/12/2024

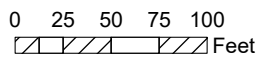
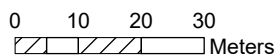
SHEET
39 of 47

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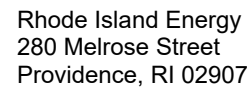
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 ESC PLAN MAP BOOK 40
Scale 1"=100' when printed at 11" by 17"

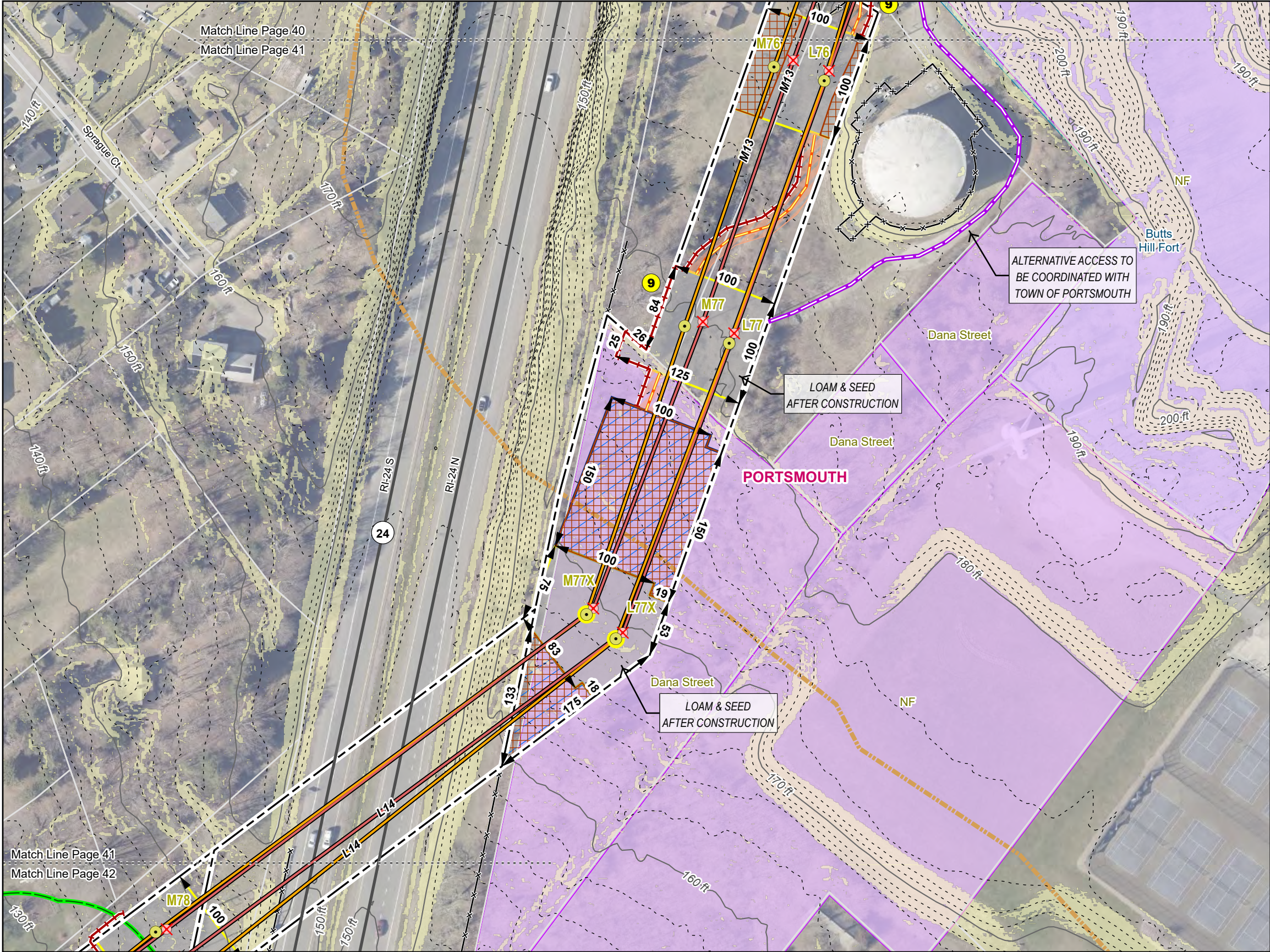
0 10 20 30
Meters

0 25 50 75 100
Feet



SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 40 of 47
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- Proposed Structure

Structure To Be Removed

Proposed Structure with Concrete Foundation

Existing Transmission Line

Proposed Transmission Line

Existing Right of Way

Alternate Existing Access - No Improvements

Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications

Perimeter Sediment Control

Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
- Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction
- Pull Site - Mow Only and Matting
- Construction Matting
- State Highway
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Fence
- Wetland Jurisdictional Area (100')
- Historic District
- Local Conservation Area
- State Conservation Area
- Perimeter Sediment Controls

REVISIONS:

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ESC PLAN MAP BOOK 41

Scale 1"=100' when printed at 11" by 17"

0 10 20 30

Meters

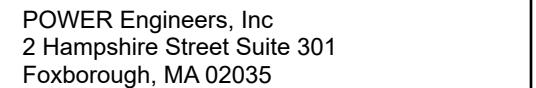
0 25 50 75 100

Feet

Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT CONTROL PLAN			
L14 & M13 Mainline Rebuild Project			
Rhode Island Energy			
Town of Portsmouth			
State of Rhode Island			
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 41 of 47

- REVISIONS:**
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**SOIL EROSION AND SEDIMENT
CONTROL PLAN**
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

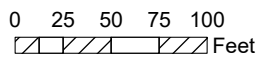
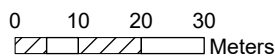
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 42 of 47
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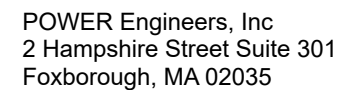


Scale 1"=100' when printed at 11" by 17"




Rhode Island Energy
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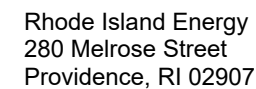
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SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 43 of 47
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0 25 50 75 100
 Feet



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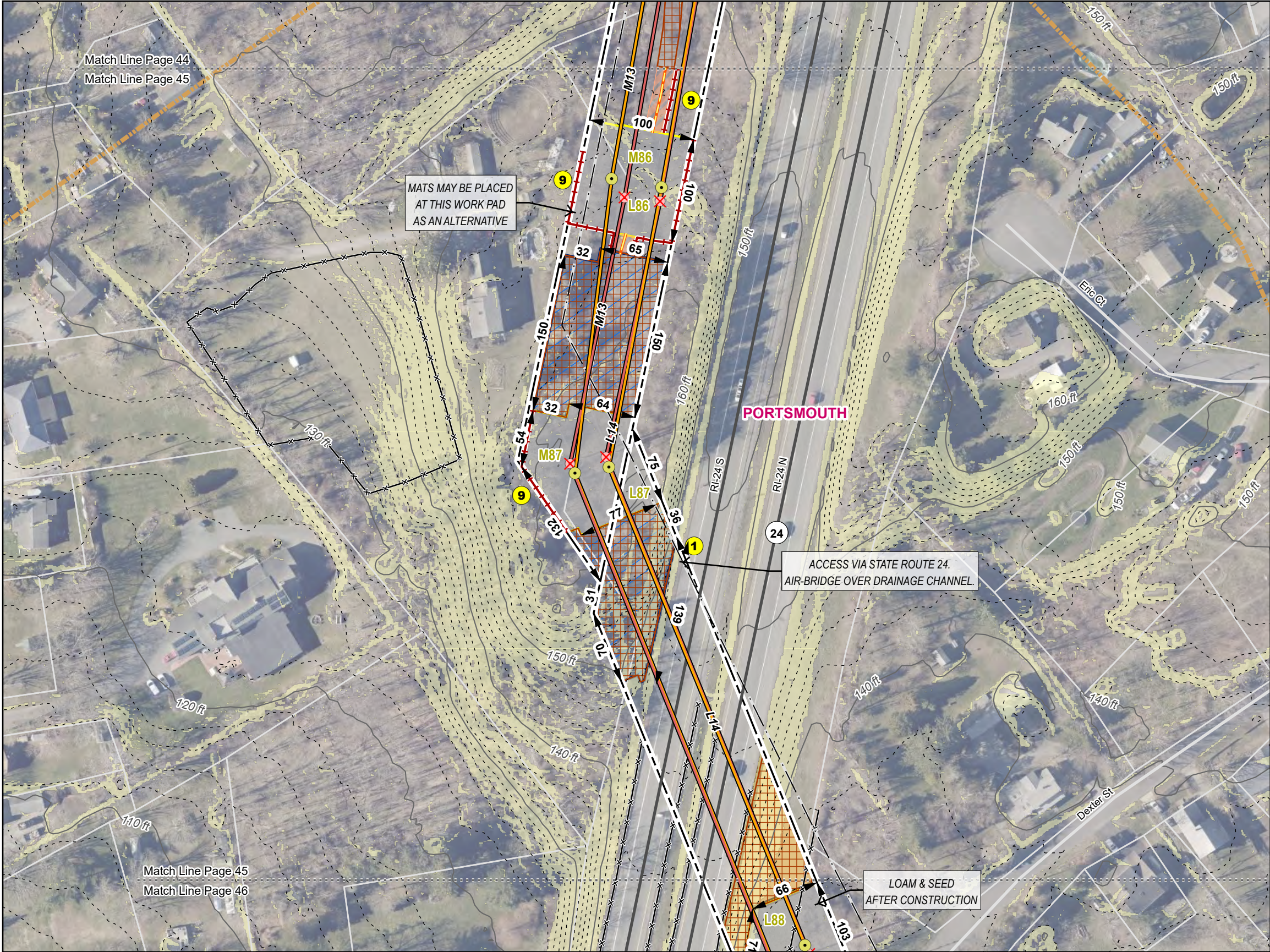
0 25 50 75 100
 Feet



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT
CONTROL PLAN
L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth
State of Rhode Island

SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 44 of 47
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- Proposed Structure

Structure To Be Removed

Proposed Structure with Concrete Foundation

Existing Transmission Line

Proposed Transmission Line

Distribution Line

Existing Right of Way

Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications

Perimeter Sediment Control

Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications

Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work

Pull Site - Mow Only and Matting

Matted Work Pad - Stacked Mats

Construction Matting

State Highway

Minor Road

Index Contour (10' Interval)

Contour (2' Interval)

0 - 15% Slope

> 15% Slope

Parcel Boundary

Fence

Historic District

Install Stabilized construction ingress/egress

Perimeter Sediment Controls
- REVISIONS:

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ESC PLAN MAP BOOK 45

Scale 1"=100' when printed at 11" by 17"

0102030

Meters

0255075100

Feet

Rhode Island Energy

a PPL company

Rhode Island Energy

280 Melrose Street

Providence, RI 02907

POWER ENGINEERS

POWER Engineers, Inc

2 Hampshire Street Suite 301

Foxborough, MA 02035

SOIL EROSION AND SEDIMENT CONTROL PLAN

L14 & M13 Mainline Rebuild Project

Rhode Island Energy

Town of Portsmouth

State of Rhode Island

SCALE

AS NOTED

JOB NO.

249458

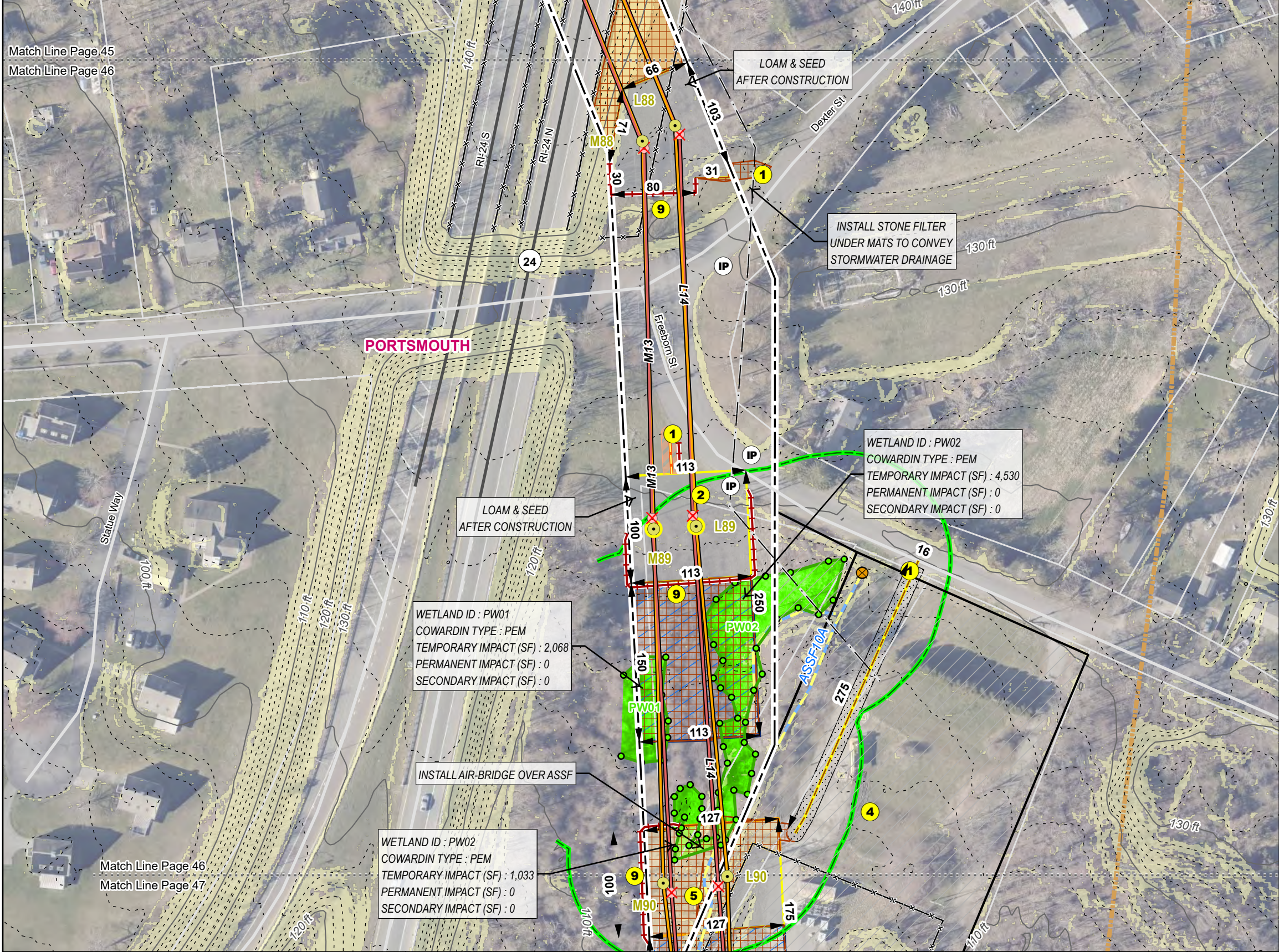
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|--|---|--|--|
| | Proposed Structure | | Matted Work Pad - Stacked Mats |
| | Structure To Be Removed | | Construction Matting |
| | Proposed Structure with Concrete Foundation | | State Highway |
| | Existing Transmission Line | | Minor Road |
| | Proposed Transmission Line | | Index Contour (10' Interval) |
| | Distribution Line | | Contour (2' Interval) |
| | RIE Owned Land | | 0 - 15% Slope |
| | Existing Right of Way | | > 15% Slope |
| | No Improvements - Existing Access (15' Wide) | | Parcel Boundary |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-foot and 6 inches either side) and add depth of stone per standard Type-1 specifications | | Culvert |
| | Perimeter Sediment Control | | Wetland Flag |
| | Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-foot and 6 inches either side) and add depth of stone per standard Type-1 specifications | | Fence |
| | No Improvements - Existing Access (15' Wide) | | Wetland Border |
| | Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following Construction Work | | Area Subject to Storm Flowage (ASSF) |
| | Temporary Work Area - Mow Only | | Wetland Jurisdictional Area (100') |
| | Pull Site - Mow Only and Matting | | Field Delineated Wetland |
| | | | Historic District |
| | | | Inlet Protection |
| | | | 1 Install Stabilized construction ingress/egress |
| | | | 2 Install temporary concrete wash station. |
| | | | 4 Dewatering Area |
| | | | 5 Install temporary mud box. |
| | | | 9 Perimeter Sediment Controls |

REVISIONS:

The project Limit of Disturbance (LOD) are comprised of the outer edge of all work pads, pull pads, grading areas, and road improvements within the right-of-way (ROW) shown on these plans.

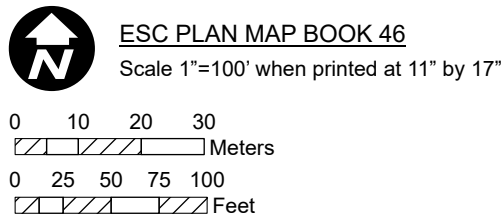
Final determinations will be made in the field by Rhode Island Energy as to the extent of grading that is required for access roads and work pads, so as to minimize rock removal and earth disturbance.

	POWER Engineers, Inc 2 Hampshire Street Suite 301 Foxborough, MA 02035
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NOTES:

SITE INFORMATION PROVIDED BY PPL ELECTRIC UTILITIES CORPORATION (2023); INCLUDING, BUT NOT LIMITED TO PROPERTY LINES, MUNICIPAL LINES, AND PROPERTY INFORMATION. AERIALS, AND CONTOURS, RECEIVED FROM RIGIS ([HTTPS://WWW.RIGIS.ORG/](https://www.rigis.org/) (2000-2023)) AND GOOGLE EARTH (2023). ALL INFORMATION IS APPROXIMATE.

CONTRACTOR SHALL NOT CONDUCT EARTH DISTURBANCE BEYOND THE LIMITS SHOWN ON THESE DRAWINGS WITHOUT PRIOR APPROVAL BY RI ENERGY CORPORATION'S REPRESENTATIVE RESPONSIBLE FOR EROSION & SEDIMENTATION CONTROL ON SITE. THE REVIEWING AGENCY SHALL BE NOTIFIED BY PPL ELECTRIC UTILITIES CORPORATIONS REPRESENTATIVE RESPONSIBLE FOR EROSION & SEDIMENTATION CONTROL ON SITE OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO THE IMPLEMENTATION OF THOSE CHANGES.



Rhode Island Energy
280 Melrose Street
Providence, RI 02907

SOIL EROSION AND SEDIMENT CONTROL PLAN			
L14 & M13 Mainline Rebuild Project			
Rhode Island Energy			
Town of Portsmouth			
State of Rhode Island			
SCALE AS NOTED	JOB NO. 249458	DATE: 6/12/2024	SHEET 46 of 47

- REVISIONS:**
- The project Limit of Disturbance (LOD) are comprised of the outer edge of all work pads, pull pads, grading areas, and road improvements within the right-of-way (ROW) shown on these plans.
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