State of Rhode Island
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-2069

PUBLIC NOTICE

File Number: 2024-07-019 Date: August 26, 2024

This office has under consideration the application of:

Rhode Island Energy
c/o Marc R. Smith
280 Melrose Street
Providence, RI 02907

for a State of Rhode Island Assent to construct and maintain:
Rebuilding of existing L14 & M13 115kilovolt transmission lines through portions of Portsmouth & Tiverton, crossing the Sakonnet River. CRMC Portion of the project extends from Boyd's Lane Portsmouth to Riverside Dr, Tiverton. Project will result in the permanent alteration of 548ft^2 of Coastal Wetland and 101ft^2 of Freshwater Wetland. Project Requires a Special Exception to 650-RICR-00-1.2.2(C)(1)(d) and (C)(2)(b). In accordance with §1.3.1(L)(5), 1, 815ft^2 of mitigation wetland will be created, exceeding the 2:1 replacement requirement. Alteration to Freshwater Wetlands falls under Exemption 650-RICR-00-9.6.3

Project Location:	Lines L14 and M13
City/Town:	Portsmouth
	Boyd's Marsh (north)/Town Pond Marsh
Waterway:	Mount Hope Bay

Plans of the proposed work can be requested at Cstaff1@crmc.ri.gov.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address**, **e-mail address and valid contact number**) and be received at this office on or before **September 26, 2024**.

Please email your comments/hearing requests to: cstaff1@crmc.ri.gov; or mail via USPS to: Coastal Resources Management Council; O. S. Government Center, 4808 Tower Hill Road, Rm 116; Wakefield, RI 02879.

/lat

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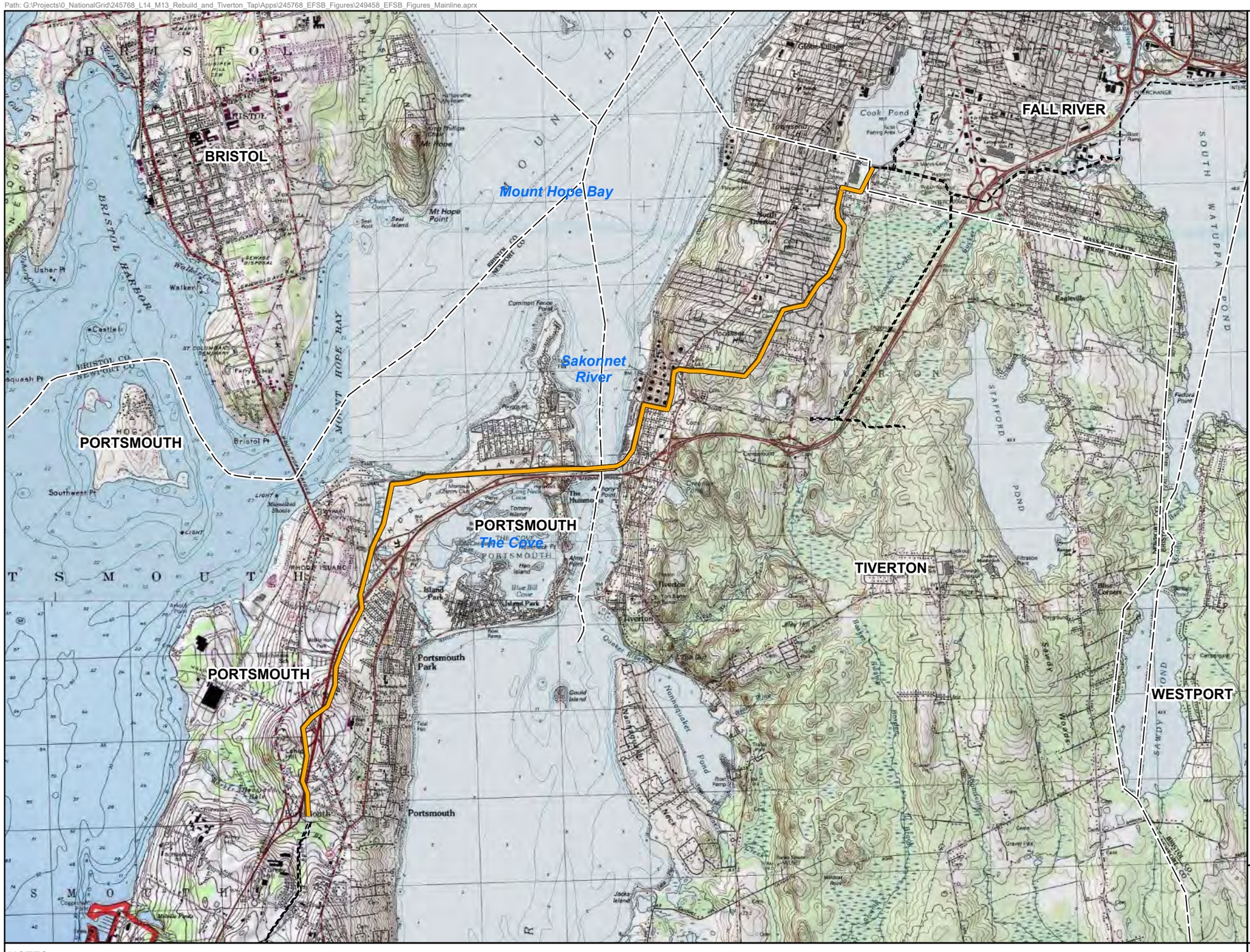

REVISIONS:

NOTES:
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FIGURE 1-1 PROJECT LOCUS
Scale 1"=4000' when printed at 11" by 17"

0 1,000 2,000 Meters

0 4,000 8,000 Feet

Rhode Island Energy
280 Melrose Street
Providence, RI 02907

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

Project Locus Map

L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Towns of Portsmouth and Tiverton, Rhode Island

SCALE	JOB NO.	DATE:	SHEET
AS NOTED	249458	5/29/2024	1 of 1

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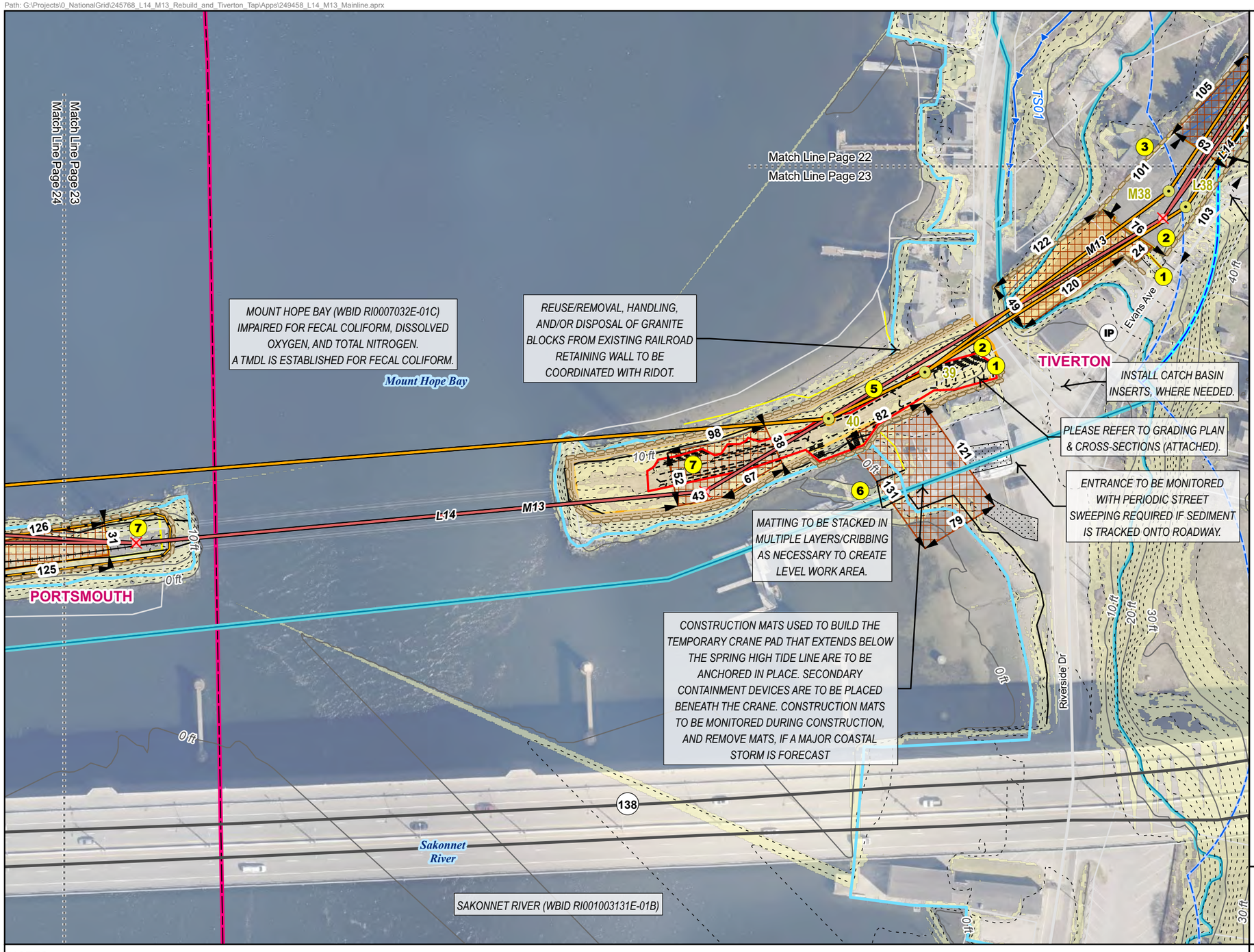

- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- No Improvements - Existing Access (15' Wide)
- Straw Wattle
- Reinforced Silt Fence
- Orange Construction Barrier
- Limit of Grading 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 CRMC Contiguous Area
- FEMA - 100 Year Floodplain
- IP — 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:

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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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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
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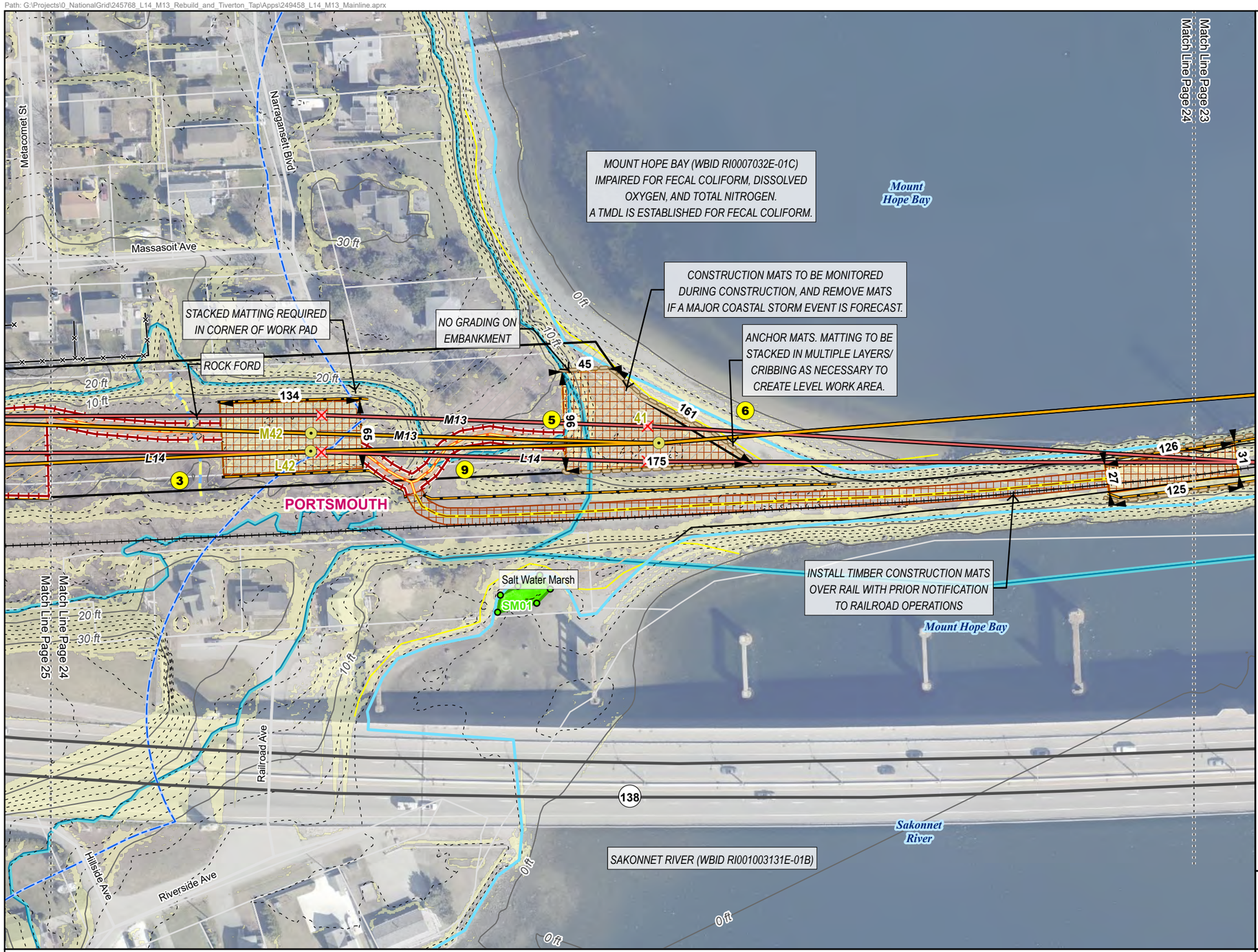

- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- No Improvements - Existing Access (15' Wide)
- Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
- Perimeter Sediment Control
- Straw Wattle
- Reinforced Silt Fence
- 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
- Work Area - Temporary Stone and Restore. Subsurface Grading Required.*
- Temporary Work Area - Mow Only
- Pull Site - Temporary Stone and Restore; No Subsoil Grading
- Construction Matting
- Rock Ford
- State Highway
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Wetland Flag
- Fence
- Top of Manmade Shoreline
- Coastal Beach
- Coastal Dune
- Wetland Border
- Mean Annual High Water Line
- Area Subject to Storm Flowage (ASSF)
- 200 ft CRMC Contiguous Area
- 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:

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POWER ENGINEERS
POWER Engineers, Inc
2 Hampshire Street Suite 301
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	JOB NO.	DATE:	SHEET
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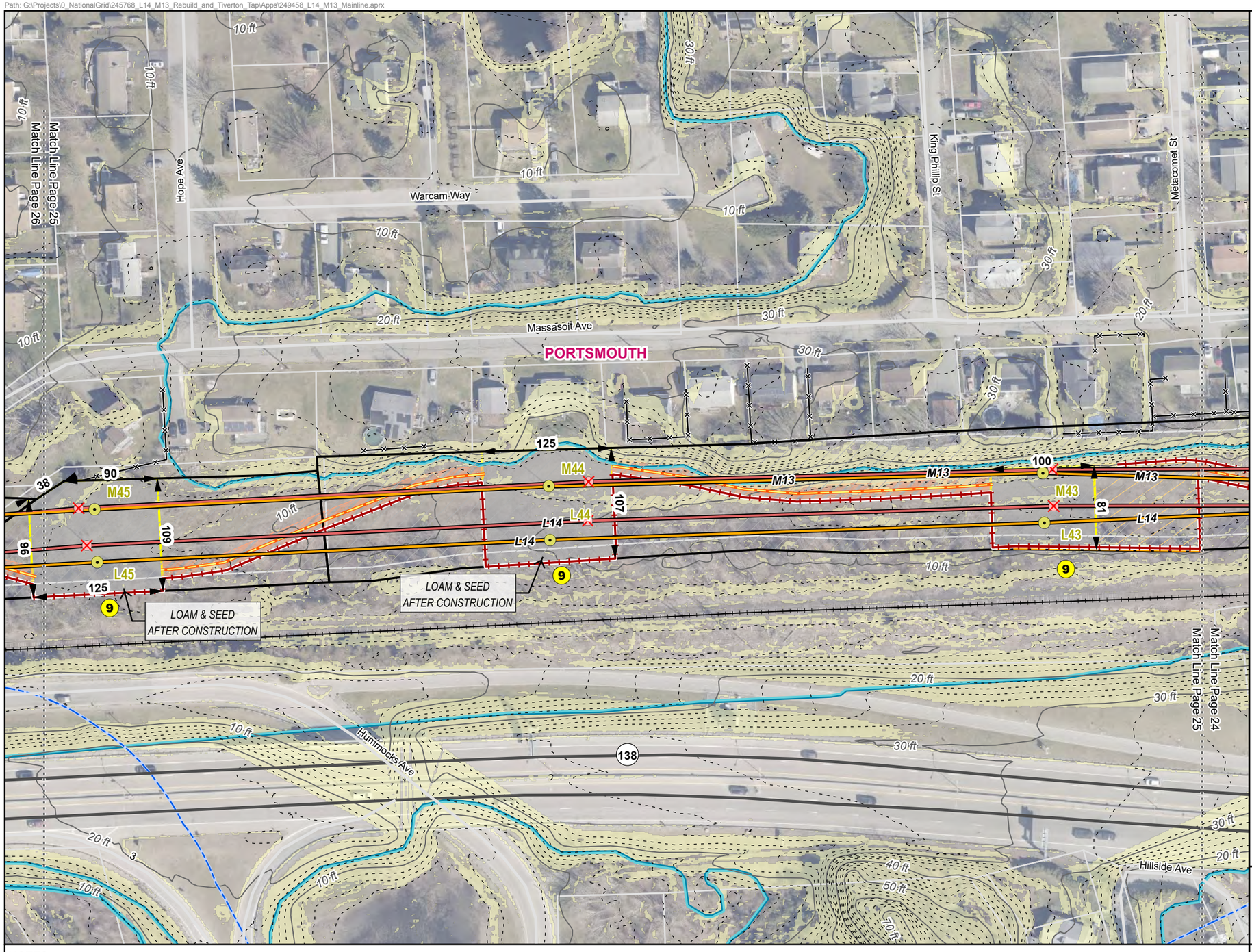

- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth 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
- 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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ESC PLAN MAP BOOK 25

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

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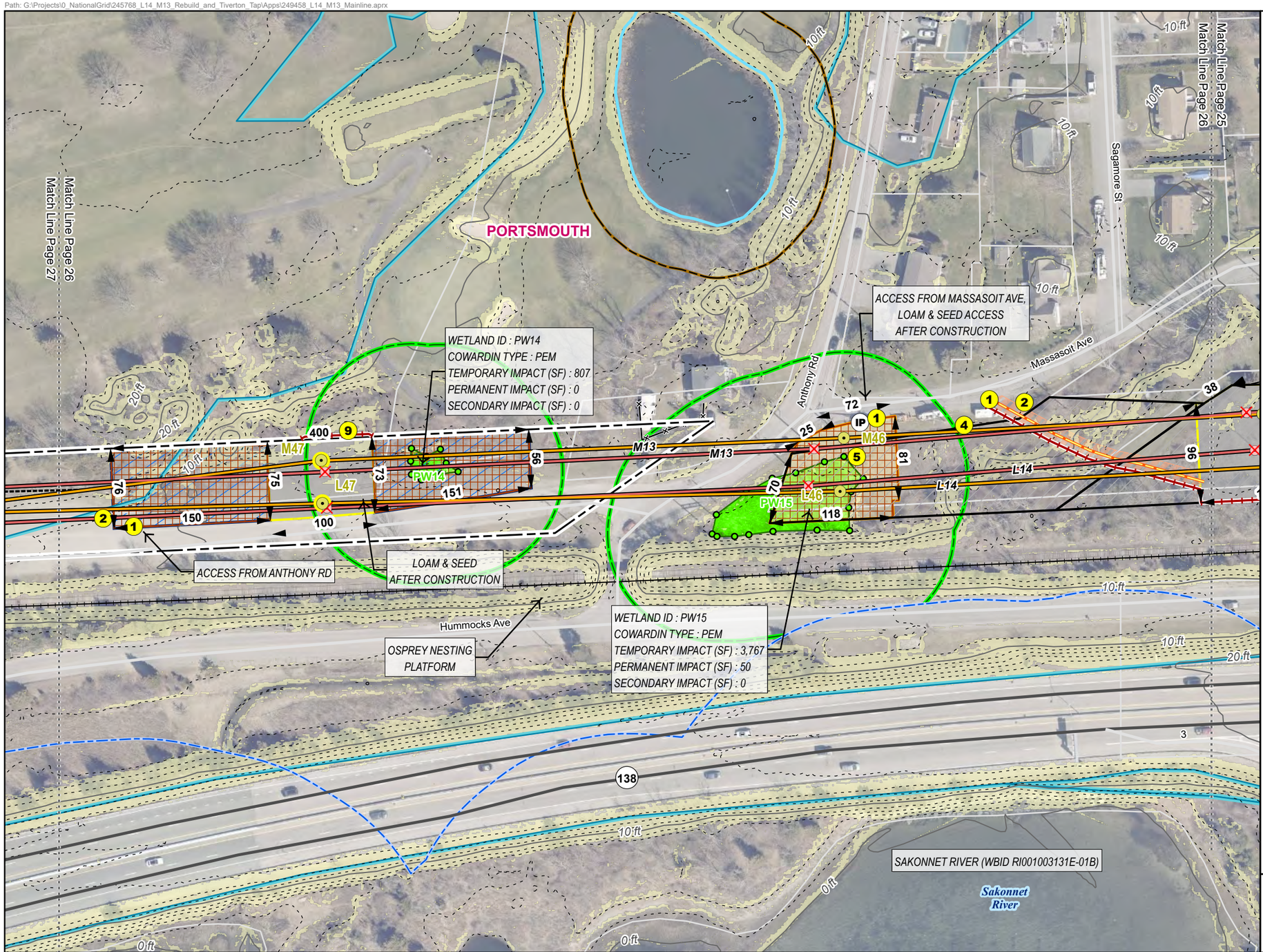

- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- Existing Right of Way
- Minor Improvements - "Type 1 - RIE Standard Road", grade and scrape per specifications (15-feet and 6 inches either side) and add depth of stone per standard Type-1 specifications
- Perimeter Sediment Control
- 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
- Temporary Work Area - Mow Only
- 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
- Wetland Flag
- Fence
- Stone Wall
- Isolated Wetland Border
- Mean Annual High Water Line
- Wetland Jurisdictional Area (100')
- Lake/Pond Buffer Area (50')
- 200 ft CRMC Contiguous Area
- Field Delineated Wetland
- FEMA - 100 Year Floodplain
- IP — 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

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ESC PLAN MAP BOOK 26

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

0 10 20 30 Meters

0 25 50 75 100 Feet

Rhode Island Energy
a PPL company

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	JOB NO.	DATE:	SHEET
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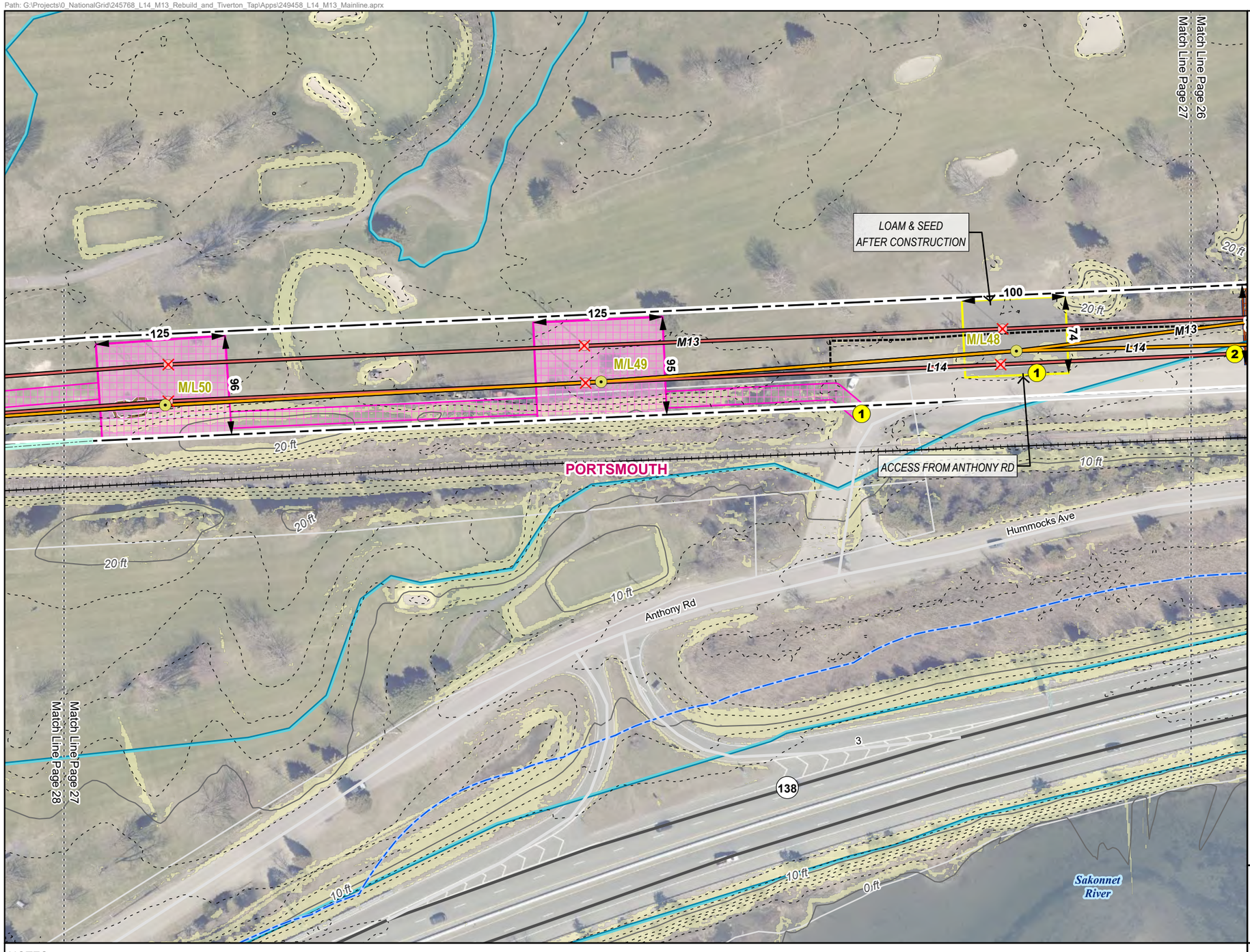

- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Centerline Easement Rights for Operation and Maintenance
- Temporary Work Area - Stone - Cover with Top Soil and Stabilize Following 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 CRMC Contiguous Area
- FEMA - 100 Year Floodplain
- (1) Install Stabilized construction ingress/egress
- (2) Install temporary concrete wash station.

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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	JOB NO.	DATE:	SHEET
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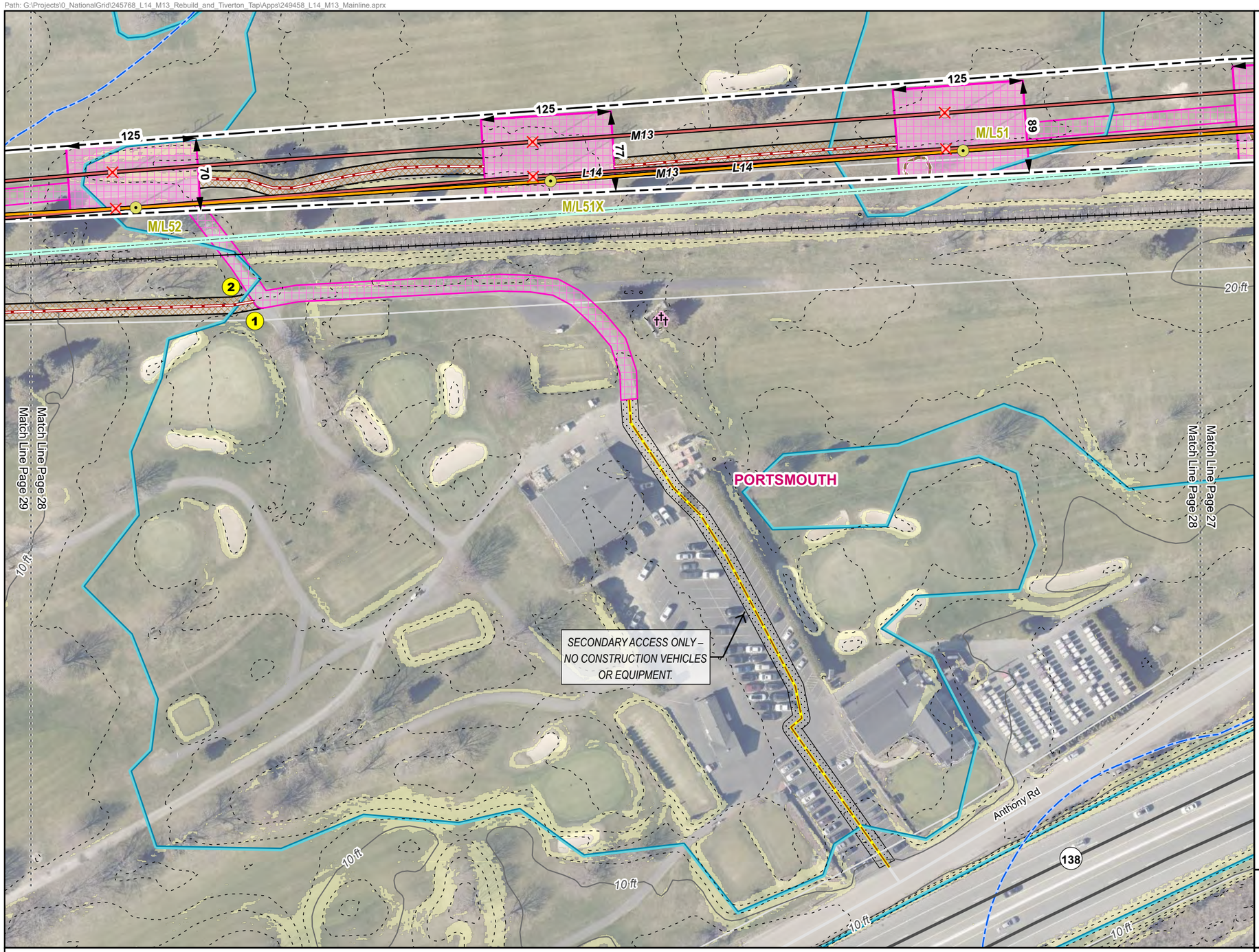

- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Centerline Easement Rights for Operation and Maintenance
- No Improvements - Existing Access (15' Wide)
- Type R - Refresh/Cap Existing Sub-base
- Type R - Refresh/Cap Existing Sub-base
- No Improvements - Existing Access (15' Wide)
- Temporary Work Area - Alternative Type 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
- 200 ft CRMC Contiguous Area
- FEMA - 100 Year Floodplain
- Historical Cemetery
- 1 Install Stabilized construction ingress/egress
- 2 Install temporary concrete wash station.

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ESC PLAN MAP BOOK 28

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	JOB NO.	DATE:	SHEET
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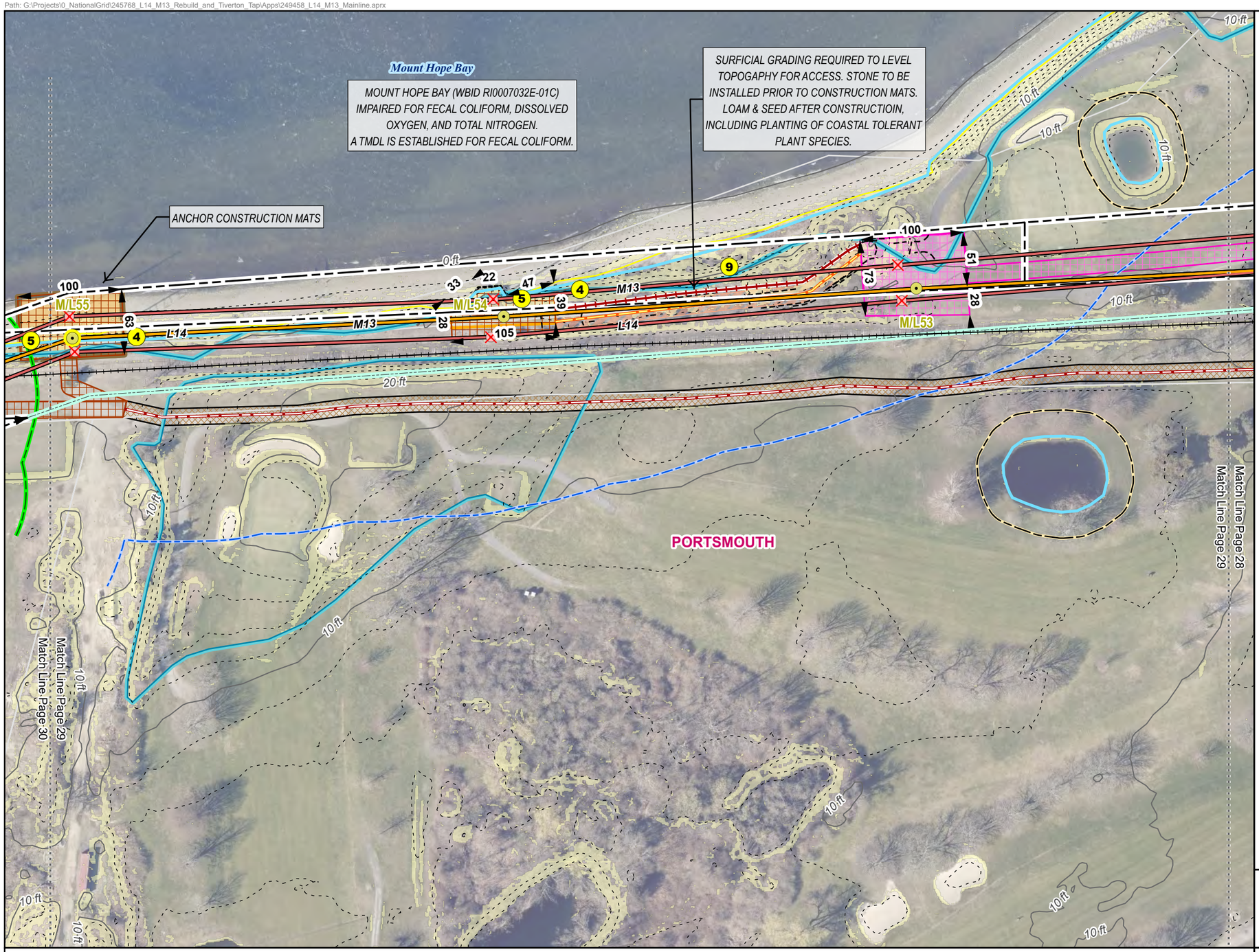
Path: G:\Projects\0_NationalGrid\245768_L14_M13_Rebuild_and_Tiverton_Tap\Apps\249458_L14_M13_Mainline.aprx



- 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
- 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
- Type R - Refresh/Cap Existing Sub-base
- 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
- Type R - Refresh/Cap Existing Sub-base
- Temporary Work Area - Alternative Type Matting
- Temporary Work Area - Mow Only
- Matted Work Pad - Stacked Mats
- Construction Matting
- Alternative Type Matting
- Index Contour (10' Interval)
- Contour (2' Interval)
- Preliminary Grading Contour
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Coastal Beach
- Stone Wall
- Mean Annual High Water Line
- Wetland Jurisdictional Area (100')
- Lake/Pond Buffer Area (25')
- 200 ft CRMC Contiguous Area
- FEMA - 100 Year Floodplain
- 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.

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

NOTES:

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ESC PLAN MAP BOOK 29

Scale 1”=100’ when printed at 11” by 17”

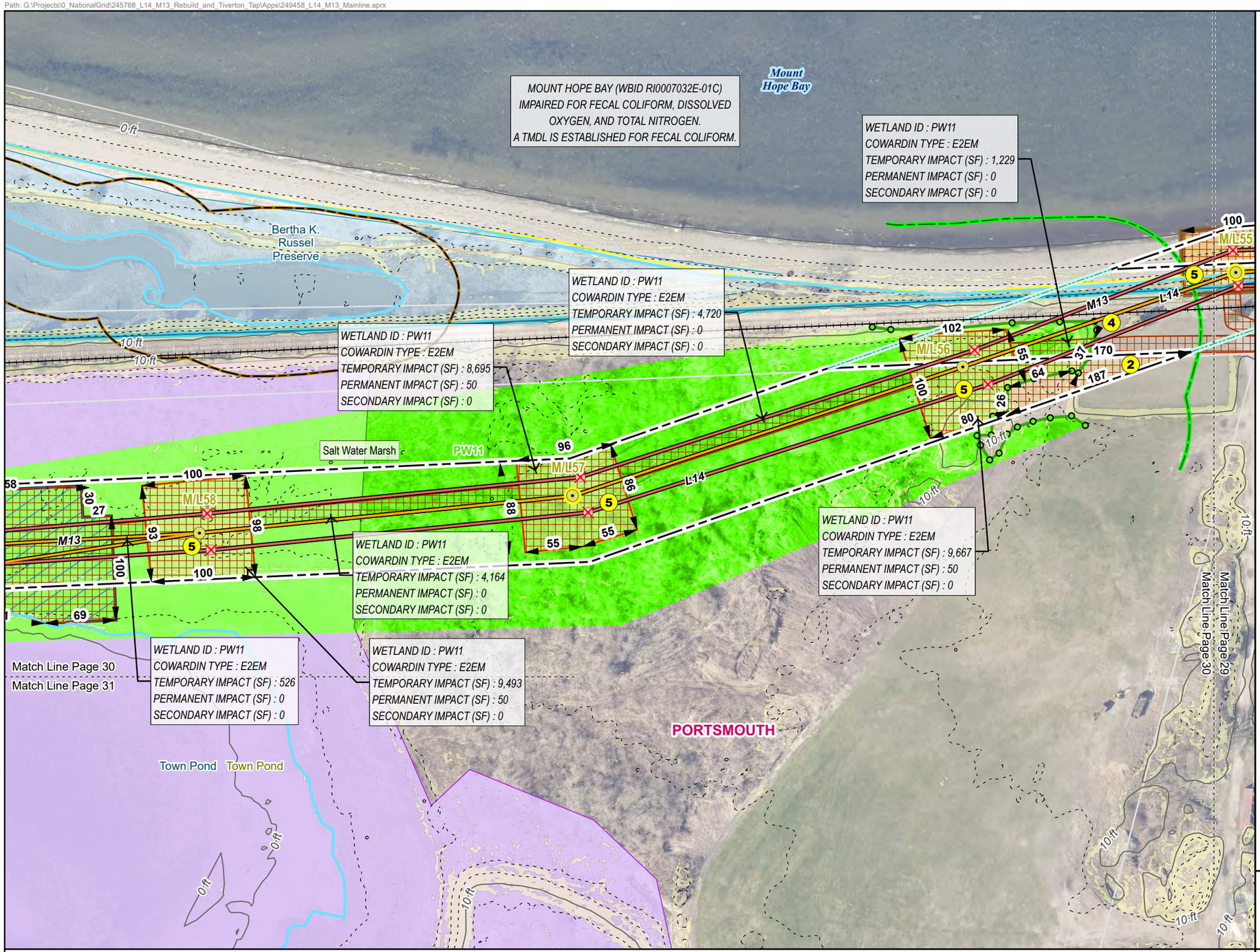
0 10 20 30 Meters

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	JOB NO.	DATE:	SHEET
AS NOTED	249458	6/12/2024	29 of 47



- 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 - Mow Only
- Pull Site - Mow Only and Matting
- Matted Work Pad - Stacked Mats
- Construction Matting
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Wetland Flag
- Coastal Beach
- Coastal Dune
- Wetland Border
- Mean Annual High Water Line
- Wetland Jurisdictional Area (100')
- Lake/Pond Buffer Area (50')
- Field Delineated Wetland
- FEMA - 100 Year Floodplain
- Local Conservation Area
- State Conservation Area
- (2) Install temporary concrete wash station.
- (4) Dewatering Area
- (5) Install temporary mud box.

REVISIONS:

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ESC PLAN MAP BOOK 30

Scale 1”=100’ when printed at 11” by 17”

0 10 20 30 Meters

0 25 50 75 100 Feet

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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	JOB NO.	DATE:	SHEET
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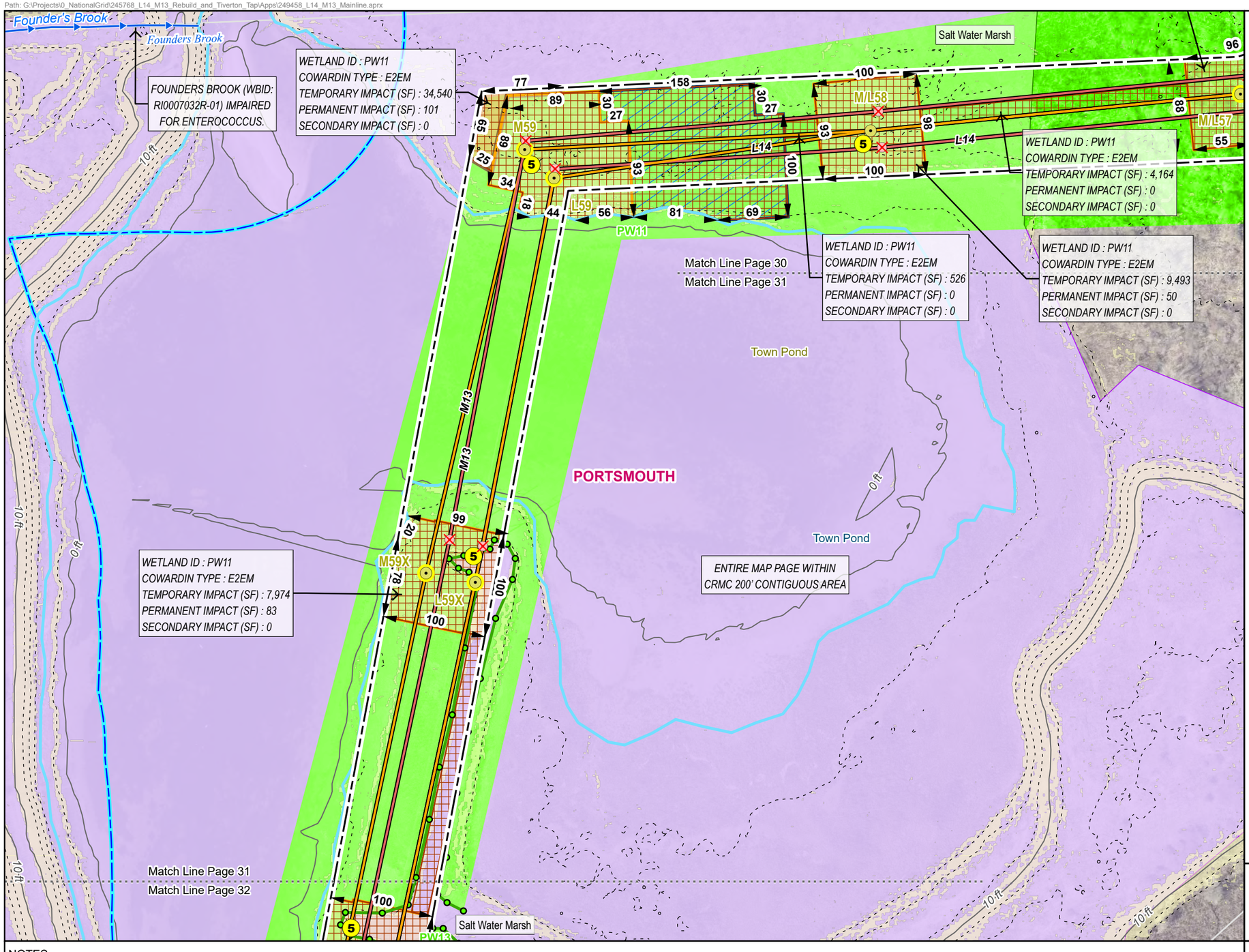

- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Temporary Work Area - Mow Only
- Pull Site - Mow Only and Matting
- Matted Work Pad - Stacked Mats
- Construction Matting
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Wetland Flag
- Wetland Border
- Perennial Stream or River
- Mean Annual High Water Line
- River/Stream Jurisdictional Area (200')
- Field Delineated Wetland
- FEMA - 100 Year Floodplain
- Local Conservation Area
- State Conservation Area
- 5 Install temporary mud box.

REVISIONS:

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ESC PLAN MAP BOOK 31

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

0 10 20 30 Meters

0 25 50 75 100 Feet

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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	JOB NO.	DATE:	SHEET
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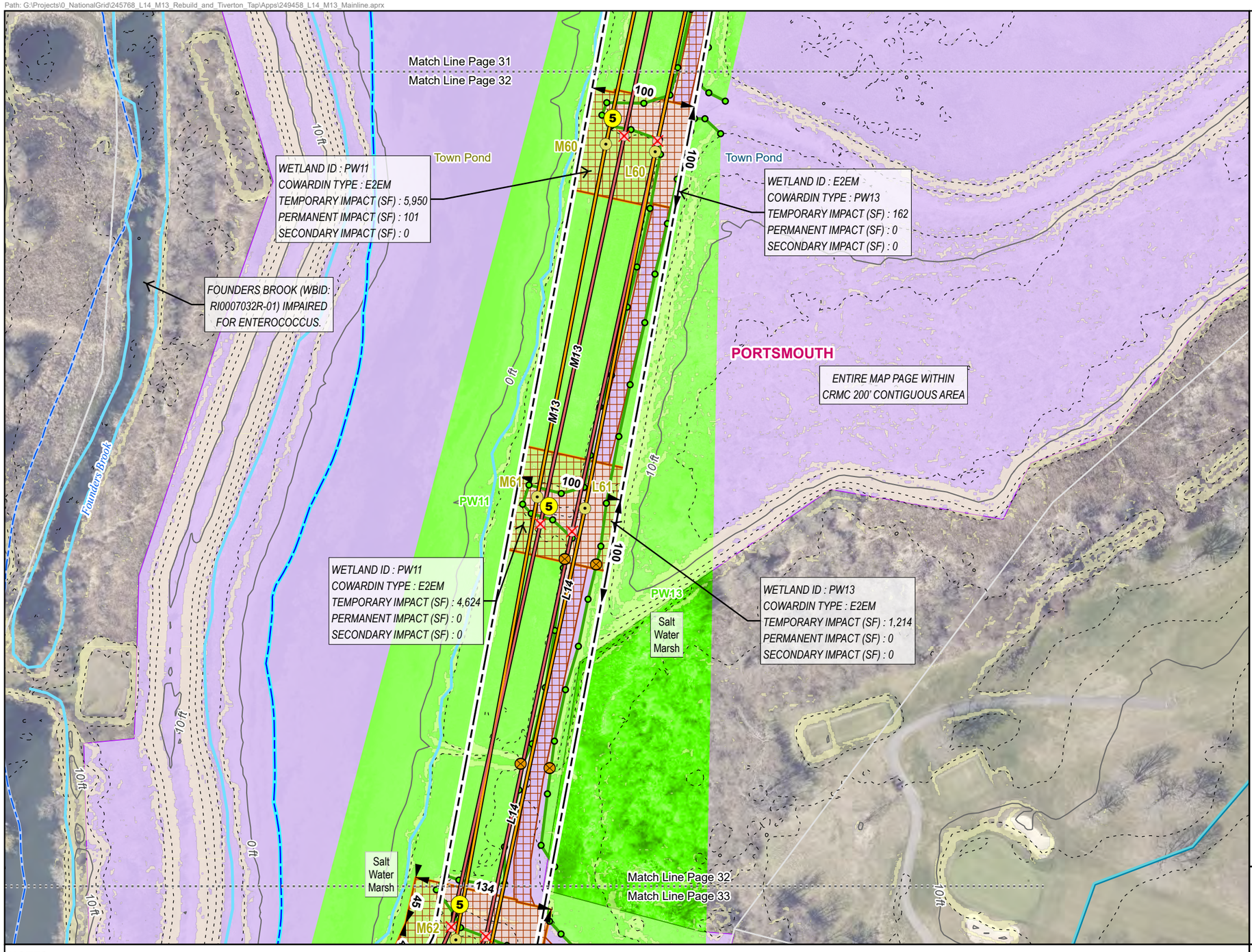

- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- Existing Right of Way
- Temporary Work Area - Mow Only
- Construction Matting
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 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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ESC PLAN MAP BOOK 32

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

0 10 20 30 Meters

0 25 50 75 100 Feet

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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	JOB NO.	DATE:	SHEET
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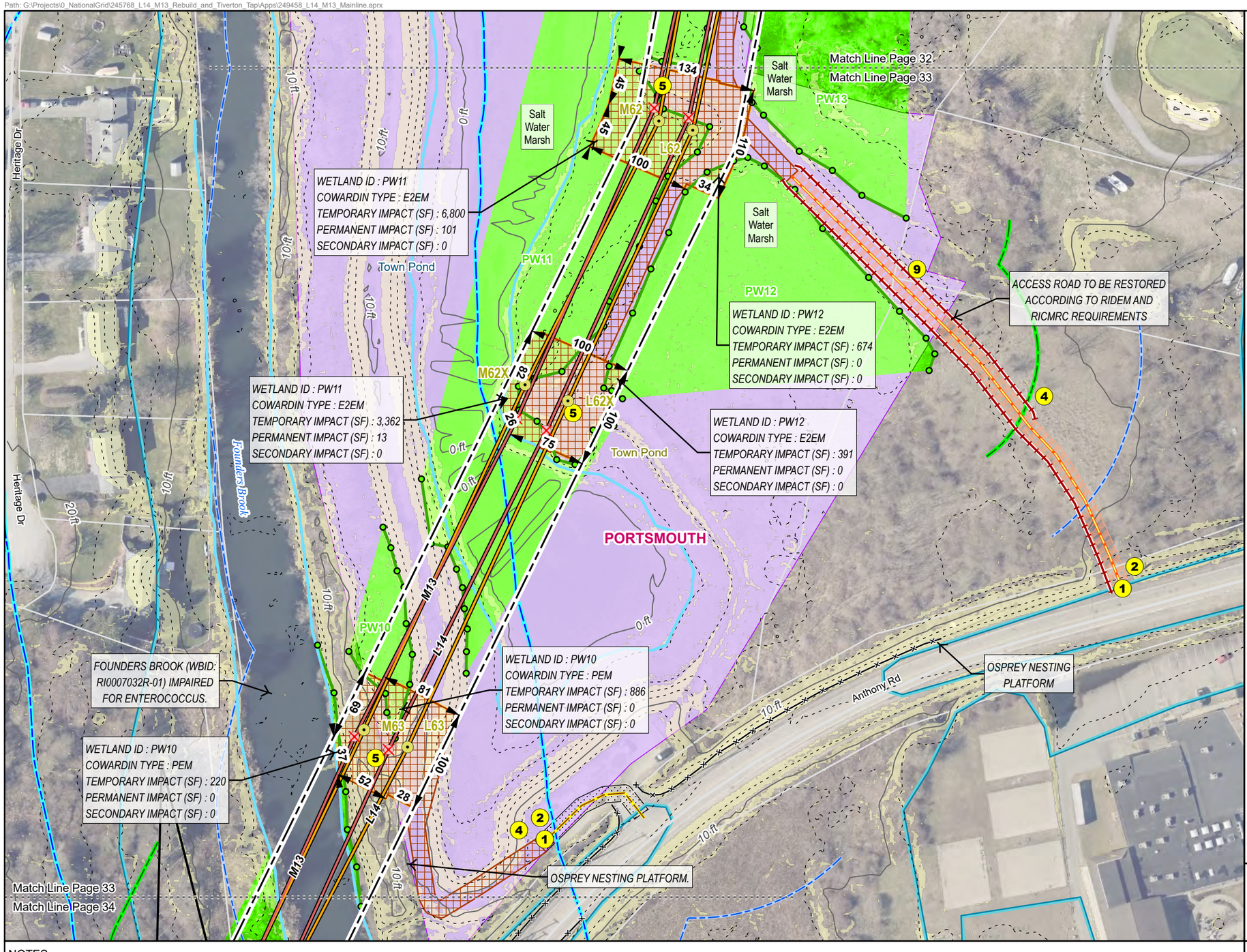
Path: G:\Projects\0_NationalGrid\245768_L14_M13_Rebuild_and_Tiverton_Tap\Apps\249458_L14_M13_Mainline.aprx



- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- Existing Right of Way
- No Improvements - Existing Access (15' Wide)
- 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
- No Improvements - Existing Access (15' Wide)
- Temporary Work Area - Mow Only
- Construction Matting
- Minor Road
- Index Contour (10' Interval)
- Contour (2' Interval)
- 0 - 15% Slope
- > 15% Slope
- Parcel Boundary
- Wetland Flag
- Fence
- Stone Wall
- Wetland Border
- Mean Annual High Water Line
- River/Stream Jurisdictional Area (200')
- Wetland Jurisdictional Area (100')
- 200 ft CRMC Contiguous Area
- Field Delineated Wetland
- FEMA - 100 Year Floodplain
- Local Conservation Area
- State Conservation Area
- 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:

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ESC PLAN MAP BOOK 33

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

0 10 20 30 Meters

0 25 50 75 100 Feet

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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	JOB NO.	DATE:	SHEET
AS NOTED	249458	6/12/2024	33 of 47

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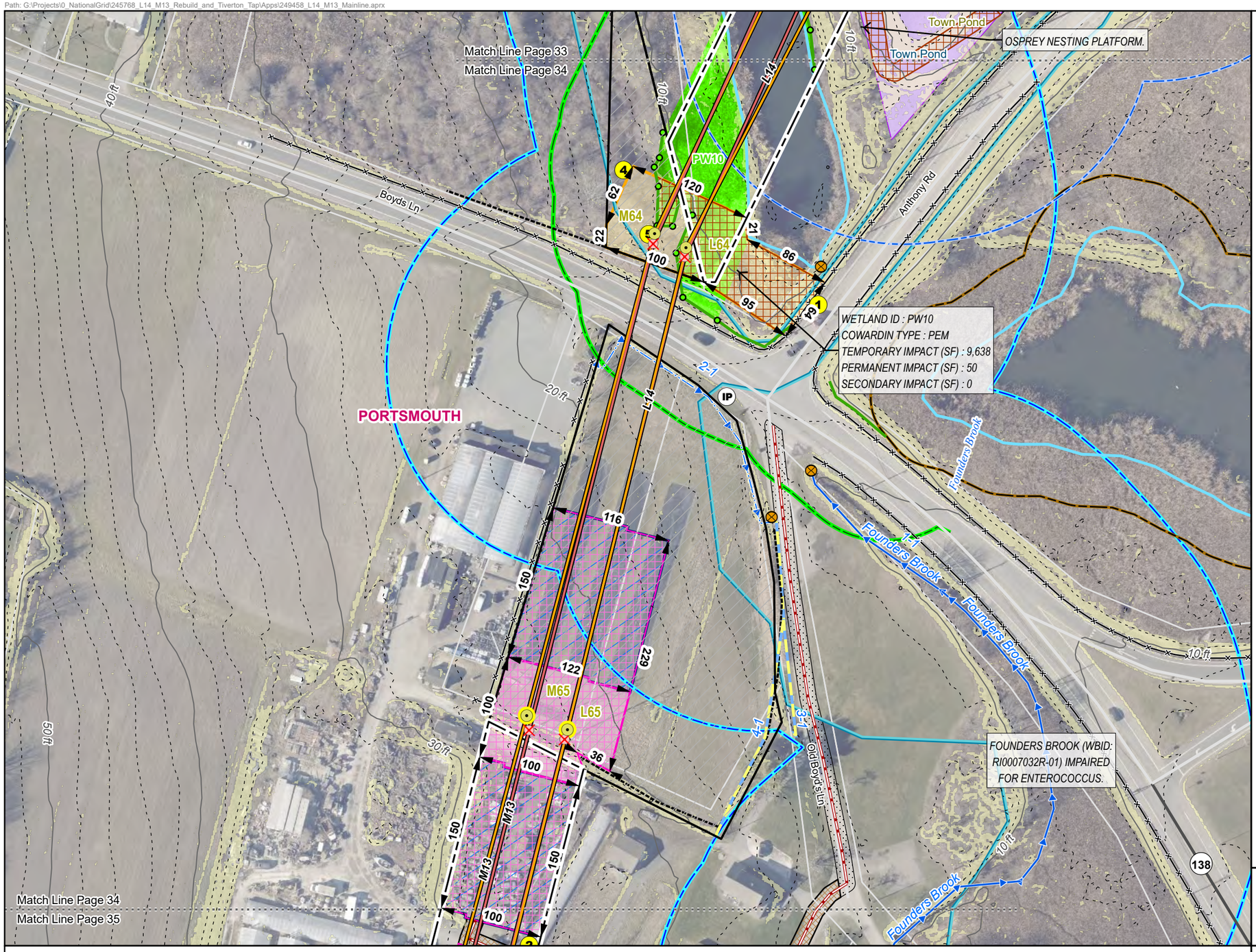

- Proposed Structure
- Structure To Be Removed
- Proposed Structure with Concrete Foundation
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- Existing Right of Way
- Type R - Refresh/Cap Existing Sub-base
- Type R - Refresh/Cap Existing Sub-base
- No Improvements - Existing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

REVISIONS:

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ESC PLAN MAP BOOK 34

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

0 10 20 30 Meters

0 25 50 75 100 Feet

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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	JOB NO.	DATE:	SHEET
AS NOTED	249458	6/12/2024	34 of 47

Path: G:\Projects\0_NationalGrid\245768_L14_M13_Rebuild_and_Tiverton_Tap\Apps\245768_L14_M13_and_Tiverton_Tap_Maps_WetlandMitigation_ML.aprx

- Salt Marsh Mitigation Area
- Project Centerline
- Transmission Line
- Existing or Proposed Power Facility
- State Highway
- Local Road
- Town Boundary

REVISIONS:

RECEIVED
8/2/2024
COASTAL RESOURCES MANAGEMENT COUNCIL

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PROJECT LOCUS MAP
Scale 1”=500’ when printed at 11” by 17”

0 100 200 Meters
0 500 1,000 Feet

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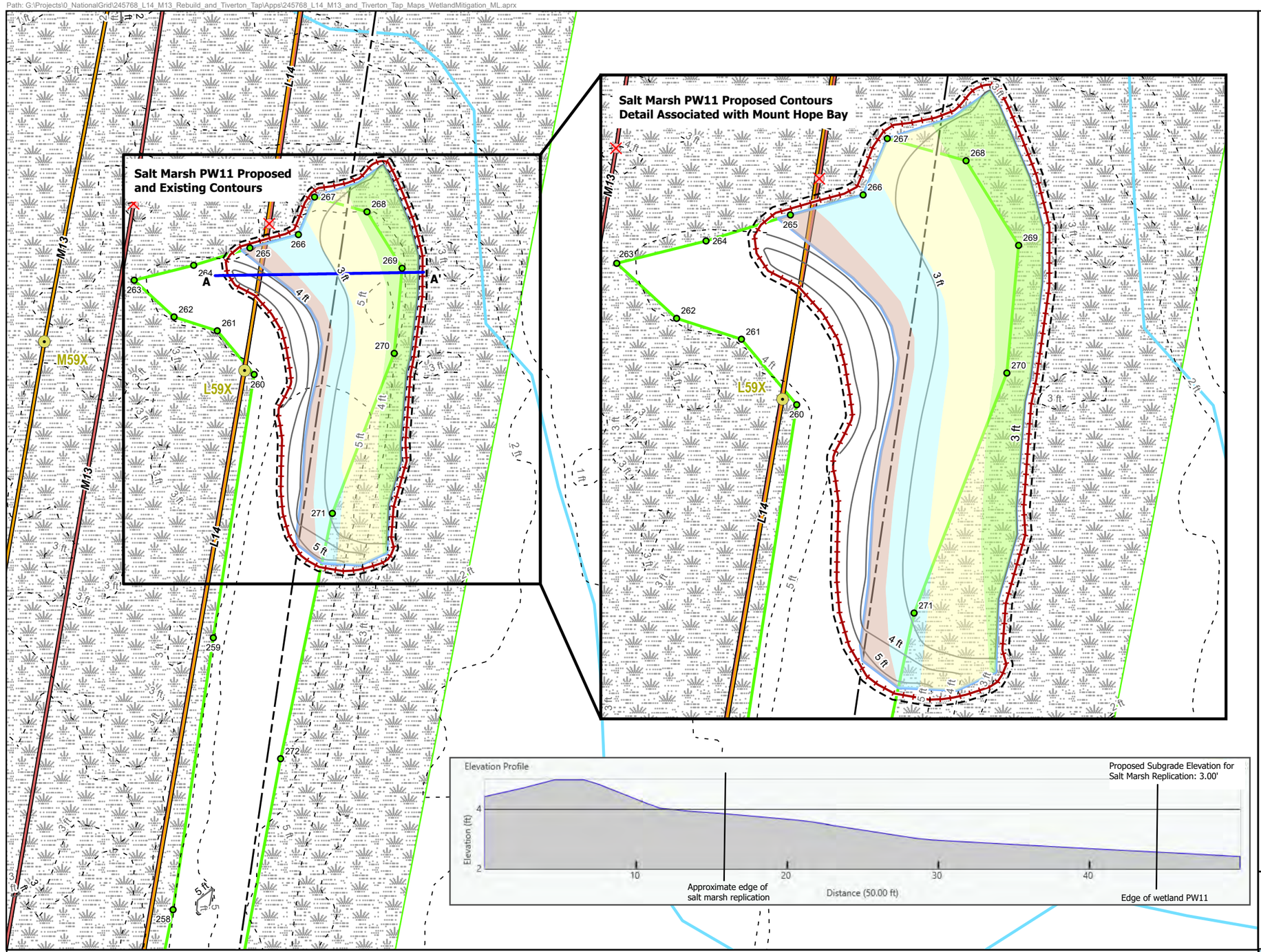
WETLAND MITIGATION AREA LOCUS MAP

L14 & M13 Mainline Rebuild Project
Rhode Island Energy
Town of Portsmouth, Rhode Island

SCALE	JOB NO.	DATE:	SHEET
AS NOTED	249458	8/1/2024	1 of 1

Path: G:\Projects\0_NationalGrid\245768_L14_M13_Rebuild_and_Tiverton_Tap\Apps\245768_L14_M13_and_Tiverton_Tap_Maps_WetlandMitigation_ML.aprx



- Salt Marsh Mitigation Area
- Existing Contour
- Proposed Contour
- Plant Zone
  - Smooth Cord Grass
  - Saltmarsh Hay
  - Marsh Elder
  - Small Bayberry
- Limit of Disturbance
- Perimeter Control
- Wetland Flag
- Existing Wetland Border
- Mean Annual High Water Line
- Salt Marsh
- Proposed Structure
- Structure To Be Removed
- Existing Transmission Line
- Proposed Transmission Line
- RIE Owned Land
- Section A-A' (Refer to Cross Section)

PRELIMINARY
NOT FOR CONSTRUCTION

RECEIVED
8/2/2024
COASTAL RESOURCES MANAGEMENT COUNCIL

NOTES:

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Scale 1"=25' when printed at 11" by 17"

0 10 20 Meters

0 20 40 60 80 Feet

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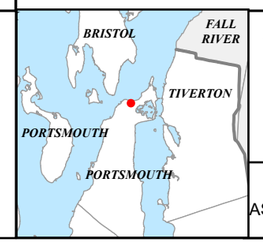

SALT MARSH MITIGATION PLAN (~2,208 square feet)

L14 /M13 Mainline Rebuild Project

RI Energy

SCALE	JOB NO.	DATE:	SHEET
AS NOTED	245768	7/30/2024	1 of 2

Soil Amendments:

1. The upland soil (overburden is to be removed to the desired ground elevations, as shown on the plan drawing.
2. The intent of the exaction and grading is to establish a mitigation area that is the same or similar elevation (el. 3-feet) as the adjacent salt marsh habitat.
3. The overburden and existing roots, rhizomes, and seed stock are to be temporarily stockpiled on-site and then removed from the site and properly disposed.
4. The excavated soils that are to be temporarily stockpiled on-site will be encompassed with erosion controls and covered with polyethylene sheeting, which is to be weighed down to control dust.
5. If no buried organic soil horizon is encountered during excavation, and if recommended by the Project Wetland Scientist, the mitigation area may need to be over-excavated to a depth of 6-12 inches.
6. Once the over-excavation is complete, the area is to be backfilled with a clean, medium-coarse sand, and topped with approximately 2-inches of organic-rich topsoil to create a proper growing medium.
7. The soil supplements are to be obtained from a local source approved by Rhode Island Energy.
8. The surface of the mitigation area is to be lightly graded but not overly compacted.

Site Preparation Notes:

1. Wetland mitigation area will be established by lowering the existing grade of the upland area by 1 to 3 feet (to be confirmed by the civil survey). This will establish the grade of the area at approximately the same elevation as the saturated to inundated portions of the adjacent existing wetland.
2. Proposed grades within the majority of the mitigation area will be at elevation 3 feet (to be confirmed by the civil survey) to provide seasonally saturated/inundated conditions. Microtopography in the wetland restoration area, including pit and mound topography, will be established under the direction of the Wetland Scientist or Environmental Monitor overseeing the construction of the mitigation area. New grades will blend smoothly with adjacent grades.
3. Soil compaction by heavy machinery may adversely affect plantings and/or result in the perching of water, efforts will be made to minimize soil compaction during grading of the mitigation site. Where the use of heavy machinery cannot be avoided during grading, compaction will be alleviated by disking to loosen the soil surface.
4. The contractor shall call Dig Safe two days before beginning any excavation at the site. Any utilities damaged during construction will be repaired or replaced as directed by the owner with no additional cost to the owner.
5. Erosion and sediment controls will be installed, as necessary, prior to the start of grading and maintained until all surfaces are stabilized.
6. If required, or as directed by the Project Wetland Scientist or Environmental Monitor, good quality, clean, organic-rich, salt-tolerant, topsoil and peat shall be backfilled to bring the grades to the final elevation shown on the plans. The soil will be will be prepared with a shallow rake pulled over the surface to break up the soil and prepare the surfaces of the plantings and seed mixtures.
7. When excavated and imported soils must be stockpiled on the site, the following guidelines will be followed to maintain moisture in the soil. Approval for location of stockpile of excavated or imported soils will be provided by owner/engineer; avoid stockpiling soils in piles over 4 feet in height; protect soils from surface water flow and contain them with straw bales and/or silt container fence; cover soils with a material that prevents erosion (tarps, erosion control mat, straw, and temporary seed, depending on size and duration of storage); inspect and repair protection measures listed above regularly, as well as prior to (to the extent possible) and after storm events; and maintain moisture in the soils during drought periods.
8. All work will be conducted in accordance with Rhode Island Energy's Environmental Guidance Document (EG-303) ROW Access, Maintenance and Construction Best Management Practices.
9. Excavation and grading are to occur during low flow conditions to avoid/minimize impacts to the adjacent wetland. Activities are recommended to occur during low tide and not during a full moon.

Planting Notes:

1. Work will be limited to the areas defined on the approved site plans. Activities are to be carried out in compliance with the work described in the approved site and engineering plans. All work will follow the construction sequence authorized by permit approvals, which includes direct site supervision by a designated Wetland Scientist and follow-up monitoring of the plantings proposed in the plan.
2. Prior to the start of construction, the permitting agent and/or the Council's designated representative can ask to be provided with a list of the names, address, and telephone numbers for the project supervisor and all of the individuals responsible for the supervision of the planting program.
3. The planting plan provided for the replication area shall not be deviated from without the approval of the designated Wetland Scientist. It is recognized that not all species may be available at the time of planting, and the Wetland Scientist may allow substitutions.
4. Wetland salt tolerant seed mix will be hand broadcast at appropriate rates throughout the restoration area to create an herbaceous groundcover layer.
5. Shrub plants will be planted at the areas of higher elevation, or closer to the existing upland, in the replication area. Shrub plantings will be planted by first raking the surface to break-up and aerate topsoil. Planting holes must be dug no deeper than the root ball as measured from the trunk flare to the bottom of the ball or as deep as the root system, but not much deeper. Planting holes dug deeper than the root ball often result in the settling of the plant above the trunk flare and structural roots which can result in the root ball being planted too deep. Research shows that the fibrous or absorbing roots of most woody plants are usually found within the top 6 to 12 inches of soil, and since root development often extends beyond the canopy or dripline, it is now recommended that the plant area be loosened and aerated at 3 to 5 times the diameter of the root ball.
6. When planting containerized stock, dig the hole before removing shrub from containers. Thoroughly water the containerized plant, remove metal or plastic containers completely. Before putting root ball in the prepared hole, cut any long roots that completely encircle the root ball. Gently pull other roots away from the ball and spread them out. Backfill soil directly around roots. Mulch and fertilize as described by provider.
7. *Spartina patens* shall be planted closest to the existing salt marsh to ensure survival. When planting *Spartina patens* plant bareroot stock in bundles of 5 stems per transplant. Plant the roots 6 to 8 inches below the surface of the soil. Place each bundle of 3 to 5 2-feet apart in the replication area. Plant on a staggered spacing between rows of saltmarsh hay starting at the crest of the dune continuing landward. This species is most successful if planted in the late winter to early spring. Planting may require watering if planted outside of this timeframe.
8. *Spartina alterniflora* shall be planted at low tide in a location subject to high wave energy. Smooth cordgrass will not survive in soils with extremely high levels of organic matter. These soils are described as having very low bulk density and are problematic. When soil texture approaches the consistency of peat moss, there is potential for low plant survival. For planting purposes, two forms of vegetative plant materials are recommended: containerized and bare-root plugs. Both plant forms have shown to be equally successful in establishing plant stands when planted properly and on applicable sites. Bundles should consist of 3 to 5 or more stems 12-24 inches in height. Containerized smooth cord grass is generally planted 5 to 8 feet on the centers and plugs planted on 2 to 3 feet apart on center.
9. If the planting areas consist of excessively sandy or light soil, along the upland and wetland interface, backfill with one-part organic rich soil to two parts original soil. Dig the hole larger than generally recommended but set the plant no deeper than the root ball as measured from the trunk flare to the bottom of the ball or as deep as the root system. Backfill with the prepared mix and add at least a 3-inch layer of mulch outward from the trunk to a point 6 inches beyond the width of the planting hole. Watering the plants in the summer and fall may be required as directed by the Wetland Scientist or Environmental Monitor.

Construction Sequencing:

1. Mitigation area to be installed in the early- to mid-spring (i.e., April to May) in attempts to avoid the beginning of the nesting season for the Northern Diamond-backed Terrapin.
2. Field survey the boundaries of the proposed salt marsh mitigation area.
3. Install perimeter sediment and erosion controls around the area.
4. Excavation of upland fill in proposed mitigation site 1 to 3 feet below the surface.
5. Excavate overburden, and if buried organic horizon is not encountered, add 6-12-inches of medium to coarse sand with two inches of organic-rich topsoil.
6. Remove a section of the soil erosion controls to establish a hydrologic connection with the existing salt marsh.
7. Planting of vegetation and spread salt tolerant seed mix.
8. Monitoring of mitigation area.
9. Removal of perimeter sediment and erosion controls once the mitigation site as vegetated.

Compensation Notes:

1. The outer edge of the excavation will be lightly graded to blend in with contours outside or beyond the limit of work.
2. Plantings are to include, at a minimum, a mixture of marsh elder, smooth cordgrass, saltmarsh hay, and bayberry. Bayberry shall be planted on the edge of the mitigation area adjacent and on the existing upland slope. Location of plants on this plan will be further established on site by the Project's Wetland Scientist.
3. Bark mulch (or similar) will be spread around all planted shrubs for a radius of 3-inches and thickness of 3-inches.
4. A salt tolerant seed mixture will be applied in the upper elevations of the mitigation area, including the upland slope. The mixture is to consist of native species indigenous to New England salt marshes.
5. The seed mixture will be applied to bare soil and topped with weed-free straw mulch, or similar erosion control stabilization blanket, at the direction of the Project Wetland Scientist or Environmental Monitor.

L14/M13 Mainline Rebuild Project Salt Marsh Mitigation Area Plantings

Planting Specifications

Quantity	Botanical Name	Common Name	Size	Spacing
175 (bundles of 5)	*Spartina patens*	Saltmarsh Hay	2-12 inches	2 ft on center
45 (bundles)	*Spartina alterniflora*	Smooth Cord Grass	12-24 inches	3-5 ft on center
15	*Iva frutescens*	Marsh Elder	18-24 inches	8 ft on center
10	*Morella caroliniensis*	Small Bayberry	18-24 inches	8 ft on center

1. The plant material is to be obtained from a local source approved by Rhode Island Energy.
2. In addition, the disturbed interface between the upland and wetland mitigation site will be sown with a mixture of Coastal Salt Tolerant seed mix. The composition of wetland seed mix varies from year to year but the design criteria and ecological function of the mix will remain unchanged. Seed mix shall be sown at 1,250 square feet per pound.

New England Coastal Salt Tolerant Grass Mix

Botanical Name	Common Name	Indicator
Elymus canadensis	Canada Wild Rye	FACU+
Festuca rubra	Red Fescue	FACU
Panicum amarum	Atlantic Coastal Panic Grass	FACU-
Andropogon gerardii	Big Bluestem	FAC
Sorghastrum nutans	Indian Grass	UPL
Panicum virgatum	Switch Grass	FAC
Juncus tenuis	Path Rush	FAC

The New England Coastal Salt Tolerant Grass Seed Mix contains a selection of native grasses that tolerate salty conditions. This mix is appropriate for drier coastal areas that receive salt spray or mist. For the interface between the upland and wetland mitigation site, it is advised that a salt tolerance grass mix be used. The salt tolerant mix is appropriate for dried coastal areas that receive salt spray and or mix. The mix may be applied by hydro-seeding, mechanical spreader, or by hand. Lightly rake or roll the seed mix into the soil to ensure proper germination. Best results are obtained with a late spring early summer seeding with a light mulching of weed-free straw. During the first year of growth, several species will produce seeds, while other species will produce seeds after the second growing season. Not all species will grow in all wetland situations. If conditions are drier than usual, watering may be required. Late fall and winter dormant seeding require an increase in the seeding rate. Fertilization is not recommended. Preparation of a clean weed free seed bed is necessary for optimal results.

RHODE ISLAND ENERGY			SALT MARSH MITIGATION PLAN NOTES PORTSMOUTH, RHODE ISLAND
Revision Date: July 30,2024	DRAWN: CRD	SHEET 2 OF 2	L14 /M13 MAINLINE REBUILD PROJECT