

The Narragansett Electric Company d/b/a National Grid Clear River Energy, LLC

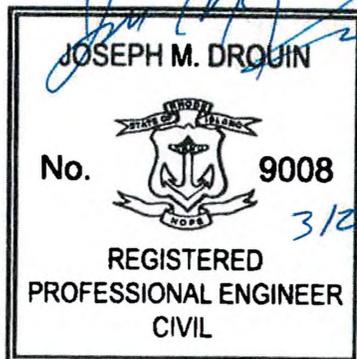
Burrillville Interconnection Project
Burrillville, Rhode Island

RIDEM Application No. 17-0079

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

Owner/Applicant:
The Narragansett Electric Company d/b/a National Grid
280 Melrose Street
Providence, RI 02907

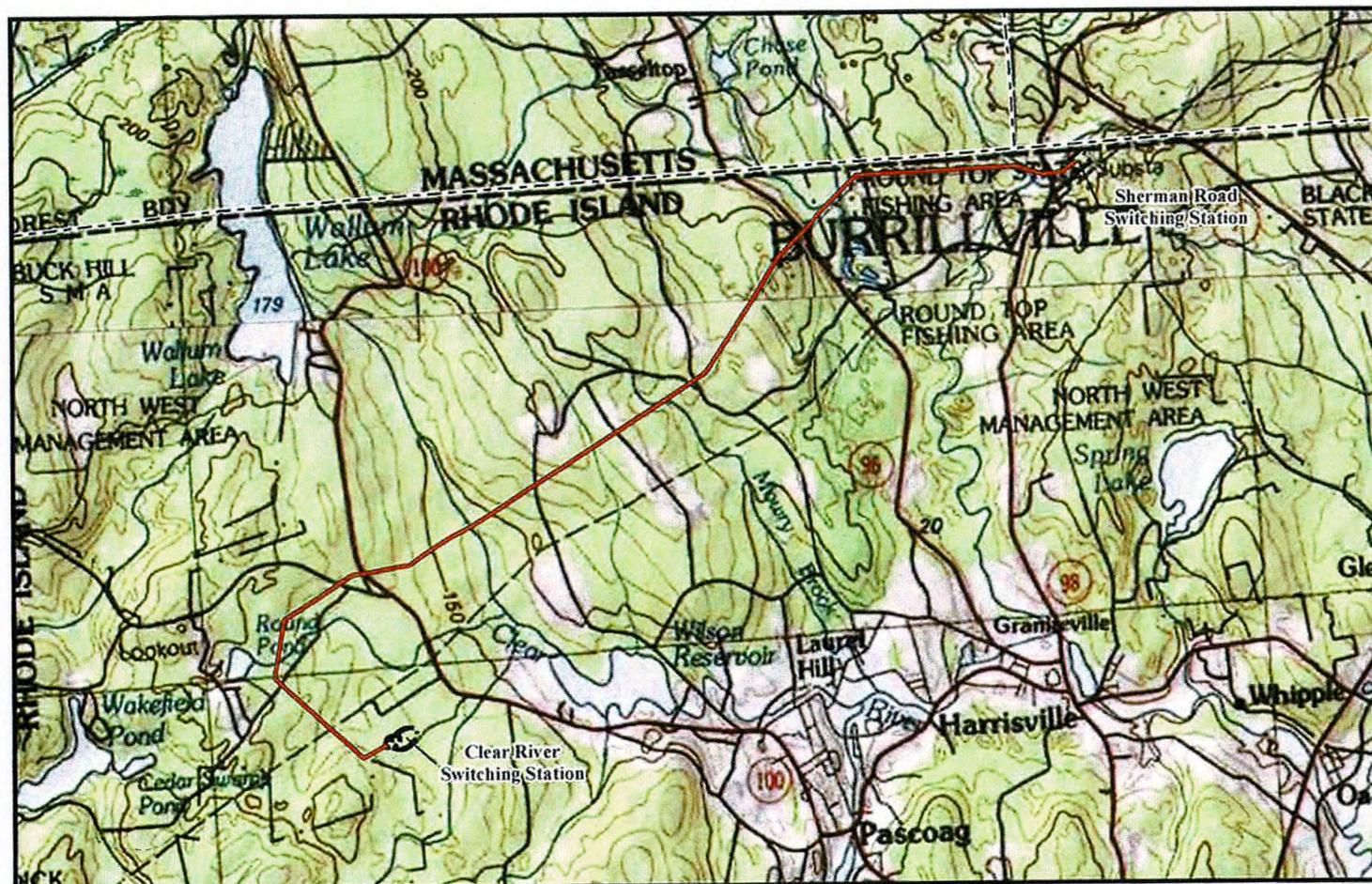
Clear River Energy, LLC
One South Wacker Drive, Suite 1800
Chicago, IL 60606



Plans

Issued for Permitting Not for Construction
Date Issued: March 30, 2017
Latest Issue: September 15, 2017
Revised Issue: February 15, 2019
Index

No.	Drawing Title	Latest Issue
1	Title Sheet and Notes	02/19/2019
2	Erosion and Sediment Control Notes	03/02/2018
3 to 5	Cross Sections	03/02/2018
6	Key Sheet	03/02/2018
7 to 33	Burrillville Interconnection Plan	03/02/2018
34 to 65	Engineering Plan Set	03/01/2018



Plan Set Notes

1. Planimetric Base Mapping - Planimetric base mapping was developed by James W. Sewall Company from April 15, 2007, 1:1200 scale color aerial photography. Scanned aerial photography was utilized to perform aerotriangulation and develop exterior orientation parameters, which were then used in subsequent photogrammetric compilation and orthorectification processes.
2. Contour Data - Contour data was acquired from RIGIS (Rhode Island Geographic Information System), 1:5000 scale two-foot contour line data dated 9/2013. Nominal point spacing (NPS) <= 1m, Vertical RMSE 15cm, Fundamental vertical accuracy 29.4cm @ 95% confidence level (open terrain).
3. Aerial Mapping - Aerial mapping utilized 1:6000 scale color imagery acquired from Google Earth 5/11/2016 and 8/23/2016.
4. Wetland Delineation on TNEC ROW performed by AECOM between May 2007 and November 2007, and updated in 2011 for the Interstate Reliability Project, RIDEM Permit to Alter Freshwater Wetlands, Application No. 12-0117 and RIPDES No. RIR 100950, issued October 9, 2013, revised April 14, 2014. Updates to the wetland delineation and additional field surveys performed by POWER Engineers on 8/2/2016, 8/5/2016, 8/30/2016, 9/1/2016, and 3/9/2017.
5. Wetland Delineation for CREC and CREC ROW performed by ESS Group between fall of 2014 and spring of 2015. RIDEM biologist verified wetland edges via RIDEM Application No. 15-0239 (January 28, 2016).
6. Wetland flags were located in the field with a Trimble GeoXT or Geo XH GPS receivers. Field data was postprocessed, differentially corrected, and back-checked on a series of 1:2000 scale aerial photo base maps.
7. Existing pole structure numbers and right-of-way boundary location is based on the following transmission line sheets (T-sheets) provided by Narragansett Electric Company: H300078-5 Rev 5 issued 6/10/16, T-4499 Rev. 9 issued 6/10/16, T-4498 Rev. 7 issued 6/10/16, T-4497 Rev. 8 issued 6/10/16, T-4496 Rev. 7 issued 6/10/16, T-4495 Rev. 7 issued 6/10/16, T-4604 Rev. 6 issued 6/10/16, T-5603 Rev. 6 issued 6/10/16, T-4602 Rev. 5 issued 6/10/16.
8. Limits of ROW shown are approximate.
9. Rhode Island PE Seal 9008 is applicable only to the proposed transmission structure locations shown.
10. Proposed transmission structure locations are approximate.
11. Rhode Island PE Seal 8879 is applicable only to the proposed ESC measures.
12. Map sheets 27 and 28 were modified on 10/18/2018.

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This document has been reviewed for Critical Energy Infrastructure Information (CEII). [February 2017]



Burrillville Interconnection Project The Narragansett Electric Co. D/B/A National Grid & Clear River Energy, LLC			RIDEM AND USACE PERMIT DRAWINGS TITLE SHEET AND NOTES Burrillville, Rhode Island	
DATE: 2/15/2019	DRAWN: TDH	142704	REV 3 Updated Burrillville Interconnection Plan	SHEET 01 OF 65

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Erosion and Sediment Control General Notes:

1. Areas outside the limit of work disturbed by the contractor's operations shall be restored by the contractor to their original condition at the contractor's expense, to the satisfaction of the National Grid Environmental Engineer.
2. Contractor shall be solely responsible for site security and job safety. All construction activity shall be in accordance with OSHA regulations and local and state requirements.
3. All materials are to be disposed of per applicable laws and regulations.
4. 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.
5. All work shall conform to and be in compliance with the individual permit issued by the U.S. Army Corp of Engineers for this project.
6. RIDEM file number signage and a copy of the completed RIPDES NOI as submitted to the RIDEM shall be conspicuously posted in agreed upon locations in each municipality prior to commencing work. Signage locations shall be determined in coordination with the National Grid Environmental Scientist.
7. All wetland and waterways shall be flagged prior to commencing work activities at the site.
8. Maintain undisturbed vegetated buffers between work areas and wetlands/waterways wherever possible.
9. Limit removal of, and damage to, existing vegetation wherever possible.
10. Avoid unnecessary disturbance of site soils wherever possible.
11. Upon completion of construction in a given location (structure, work area, etc.), disturbed or exposed soils shall be immediately stabilized with mulch, blankets or similar temporary erosion and sediment control practice adequate for providing temporary stabilization while vegetation becomes established.
12. Where temporary erosion control, or permanent seed mixes are placed, appropriate temporary measures shall be taken to prevent soil erosion while seed is germinating.
13. Mulch shall not be used as a temporary erosion control practice in drainageways. Mulch placement on steep slopes (>3:1) shall be limited to hydraulic mulch or rolled erosion control products (e.g., erosion control blankets, etc.).
14. Seeding shall occur only during specified planting seasons unless otherwise directed by the National Grid Environmental Scientist.
15. Seed mixes shall be approved by the National Grid Environmental Scientist prior to placement. Seed mixes shall be appropriate for the site conditions (e.g. wetland, upland, etc.).
16. Low growing, woody plant species and root systems shall be retained in locations where work pads and access roads are not proposed. Care shall be taken to protect such plants and their root systems from damage and compaction.
17. 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 National Grid Environmental Scientist. Perimeter sediment controls shall not be installed directly in wetlands without prior written approval from the National Grid Environmental Scientist.
18. Where resources 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.) shall be placed between the resource area and the work zone prior to the commencement of work. Perimeter controls shall be installed as close to the area of disturbance as possible. Perimeter control selection should occur in coordination with the National Grid Environmental Scientist.
19. Perimeter sediment controls shall 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 National Grid Environmental Scientist.
20. 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 (refer to general note 17).

21. 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 condition require and allow. Dewatering may be required in additional locations depending on field conditions during construction.
22. 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.
23. Install inlet protection if catch basins present.
24. When swamp mats are used in locations where excavations/mud boxes are required for structure installation, the swamp mat surface shall be adequately protected to prevent siltation through the swamp mats to wetlands below.
25. Where necessary, or as directed by the National Grid Environmental Scientist, stone transition ramps shall be installed in association with swamp mats.
26. All erosion and sediment controls, devices, and practices shall 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.
27. The Contractor shall prepare and follow an approved Snow Management Plan and a Wet Soil Management Plan.
28. Soil stockpiles shall be contained within approved construction work pads or designated stockpiling areas.
29. Where possible, soil stockpiles shall not exceed 5 feet high in height. Soil stockpiles shall 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 buffers.
30. No vehicle or equipment refueling shall occur within 100 feet of a wetland, waterbody, or waterway.
31. Stone, soil, or other fill materials shall not be placed in any wetlands, waterbodies, or waterways.
32. Where work will occur in wetlands, or where waterway crossing are proposed, swamp mats, or swamp mat bridges shall be installed respectively prior to commencing construction.
33. Upon permanent stabilization of all disturbed soils, temporary erosion and/or sediment controls and swamp mats shall be removed from, and disposed of properly, off-site.
34. Unless otherwise directed, all erosion and sediment controls shall be installed in accordance with, and work shall conform to National Grid's Environmental Guidance-303.
35. Any potentially impacted soils or water encountered during construction activities shall be managed in accordance with applicable local, state and federal regulations.
36. TNEC and/or its Contractors will install soil erosion and sediment controls approved under latest Rhode Island Soil Erosion and Sedimentation Control Handbook (RISESCH) and current version of National Grid's Environmental Guidance Document (EG-303), Access, Maintenance and Construction Best Management Practices. Construction-phase best management practices (BMPs) may include straw bales or wattles (not hay), in addition to other BMPs, such as silt fence, filter socks, etc. approved under the RISESCH and National Grid's EG-303.

Erosion and Sediment Control Maintenance During Construction:

1. All Erosion and sediment control measures shall be inspected for stability and proper function after every runoff producing storm event, or at least weekly. All necessary repairs shall be made immediately.
2. Trapped sediment shall 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 shall be removed from sediment traps or sedimentation ponds 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 shall 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.

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Burrillville Interconnection Project The Narragansett Electric Co. & Clear River Energy, LLC			RIDEM AND USACE PERMIT DRAWINGS EROSION AND SEDIMENT CONTROL GENERAL NOTES Burrillville, Rhode Island	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-1	SHEET 02 OF 65

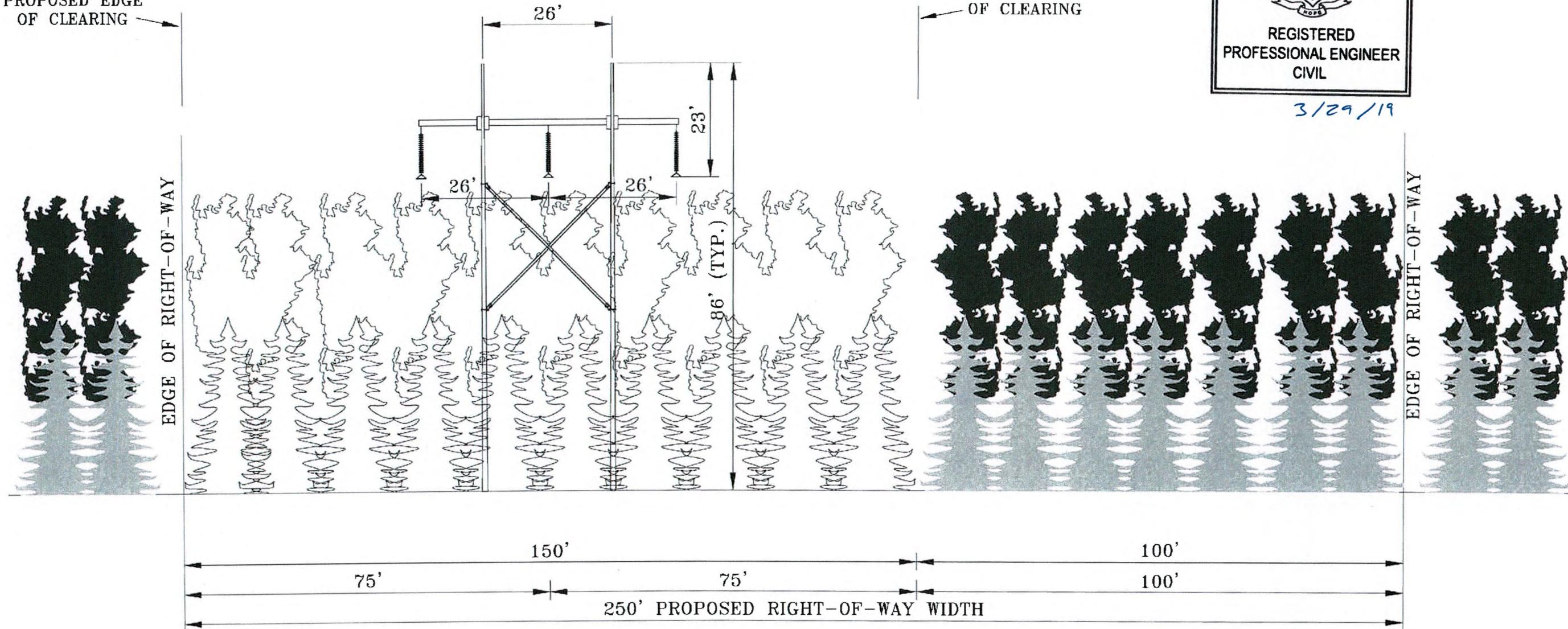
PROPOSED 345kV
3052

PROPOSED EDGE
OF CLEARING

PROPOSED EDGE
OF CLEARING

JOSEPH M. DROUIN
No. 9008
REGISTERED
PROFESSIONAL ENGINEER
CIVIL

3/29/19



View Facing Southeast Toward CREC

Segment 1 CREC ROW
Approximately 0.8 Mile

Notes:
-Proposed structure types and heights shown are typical. Final structure will vary.
-Existing ROW limits and proposed limits of clearing shown are approximate.

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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS TYPICAL RIGHT OF WAY CROSS SECTION BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-2	SHEET 03 OF 65

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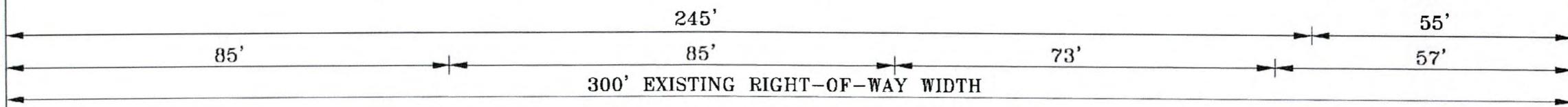
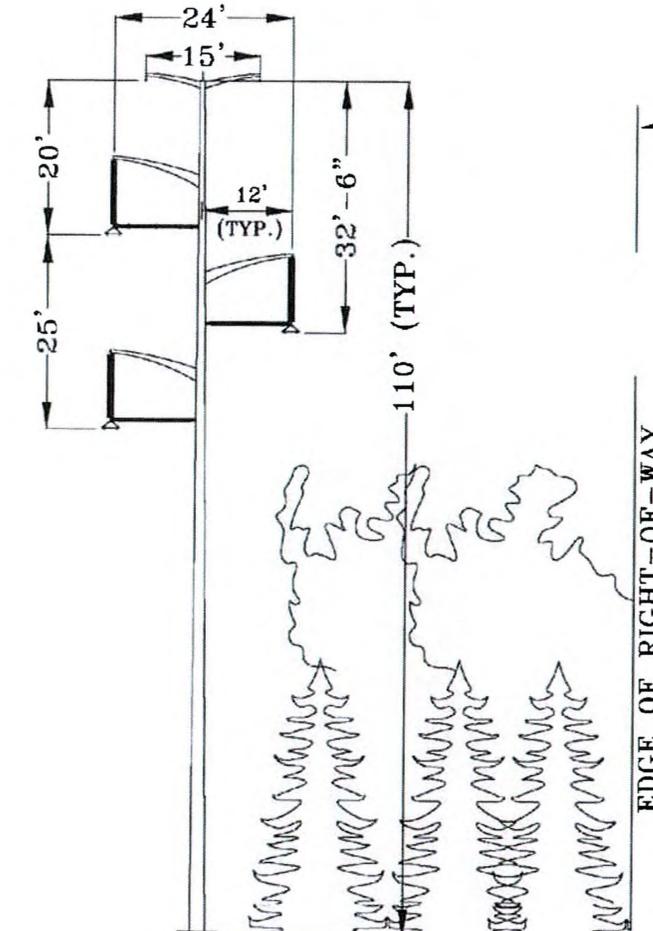
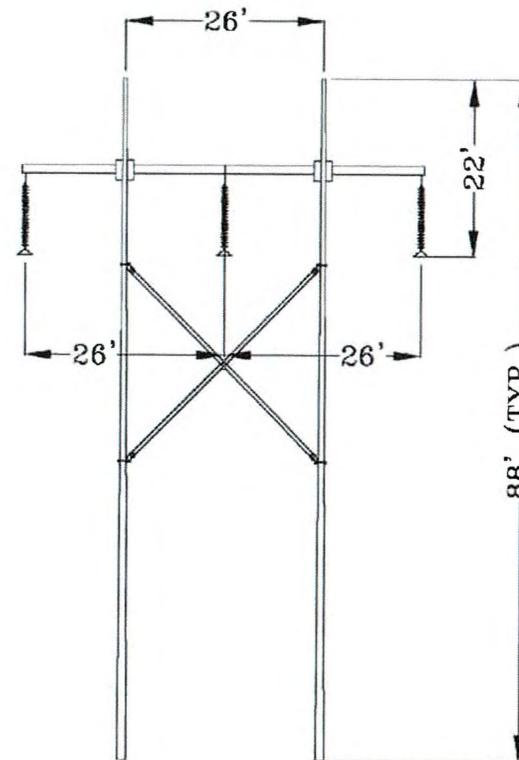
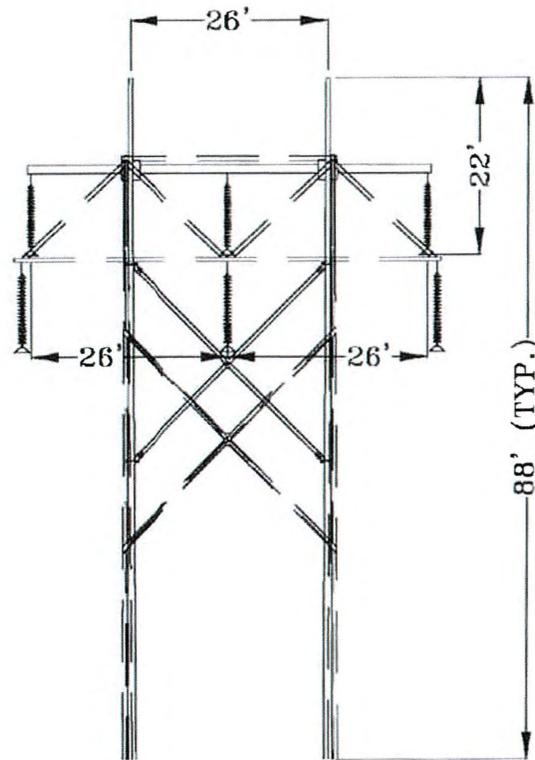
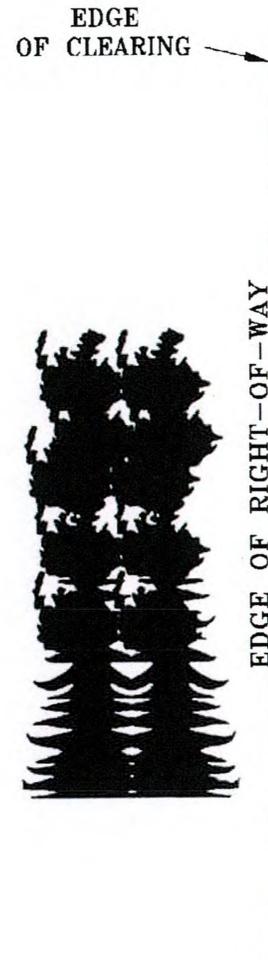


3/29/19

REMOVE EXISTING 347 LINE AND REPLACE WITH PROPOSED NEW 345KV TRANSMISSION LINE

PROPOSED REUSE EXISTING 341 STRUCTURES AND CONDUCTOR FOR NEW 347 LINE

PROPOSED 341 LINE WITH NEW STRUCTURES



300' EXISTING RIGHT-OF-WAY WIDTH

View Facing Southwest

Segment 2 TNEC ROW to 0.19 Mile West of the Clear River Approximately 1.6 Miles

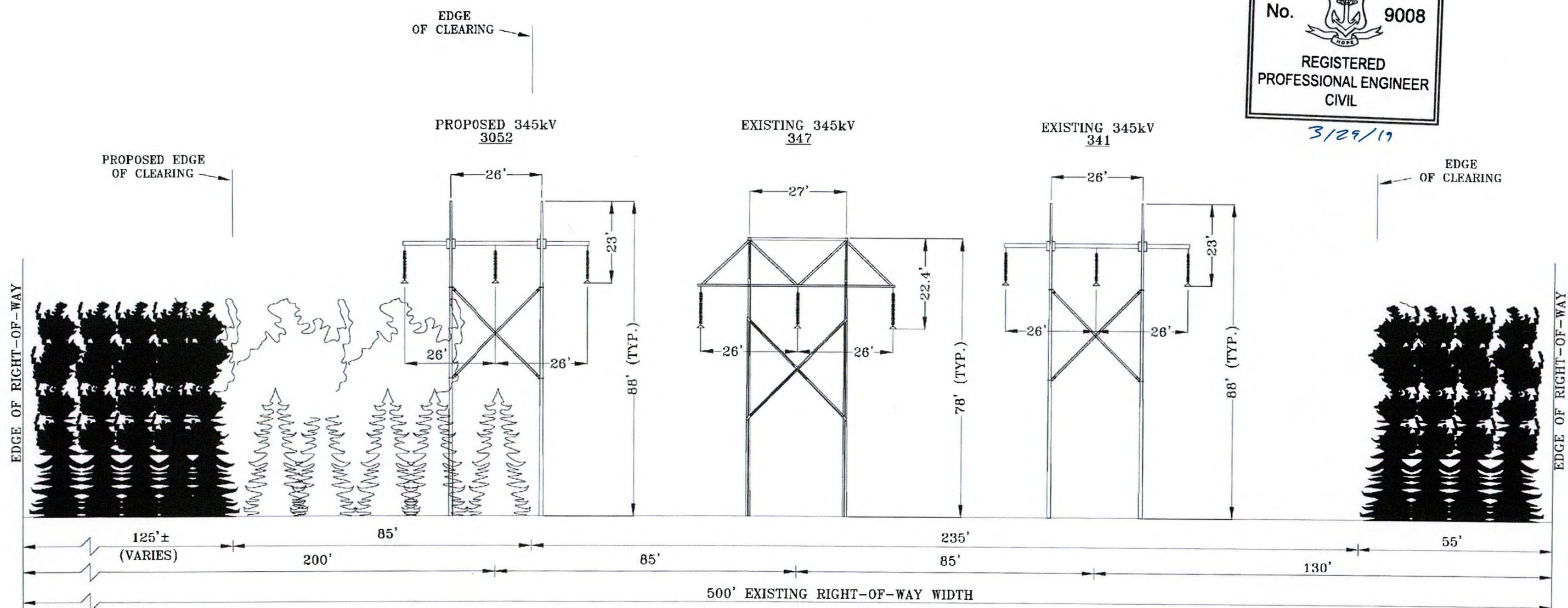
Notes:
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-Existing ROW limits and proposed limits of clearing shown are approximate.

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Burrillville Interconnection Project The Narragansett Electric Co. & Clear River Energy, LLC			RIDEM and USACE Permit Drawings Typical Right of Way Cross Section Burrillville, Rhode Island	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-2	SHEET 04 OF 65

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View Facing Southwest
 Segment 3 0.19 Mile West of the Clear River to
 Sherman Road Switching Station
 Approximately 4.4 Miles

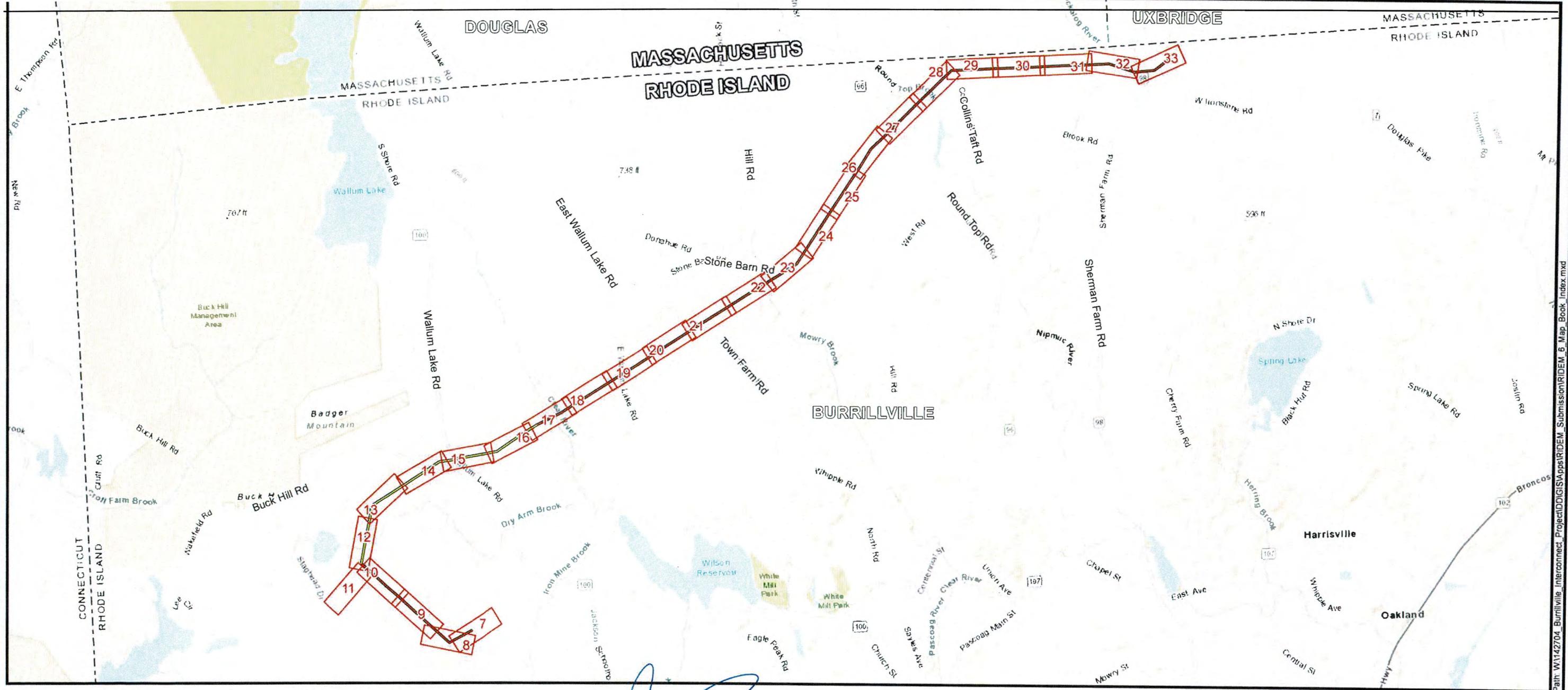
Notes:
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 -Existing ROW limits and proposed limits of clearing shown are approximate.

NOT FOR CONSTRUCTION



BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS TYPICAL RIGHT OF WAY CROSS SECTION BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-2	SHEET 05 OF 65

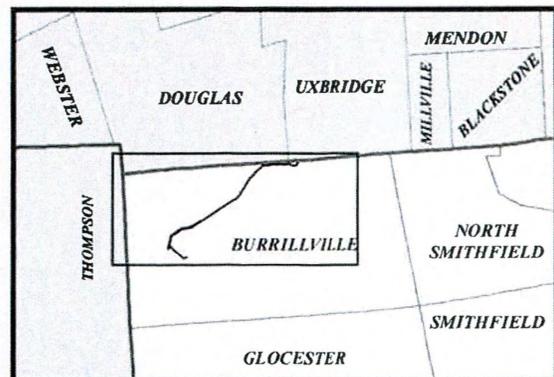
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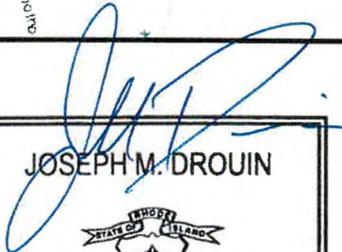


Map Location

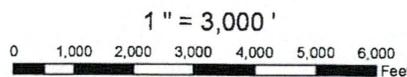
Legend

- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Town Boundary




JOSEPH M. DROUIN
 No.  9008
REGISTERED PROFESSIONAL ENGINEER CIVIL

3/29/19



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BURRILLVILLE INTERCONNECTION PROJECT
THE NARRAGANSETT ELECTRIC CO.
& CLEAR RIVER ENERGY, LLC

RIDEM AND USACE PERMIT DRAWINGS
KEY SHEET
BURRILLVILLE, RHODE ISLAND

DATE: 3/2/2018

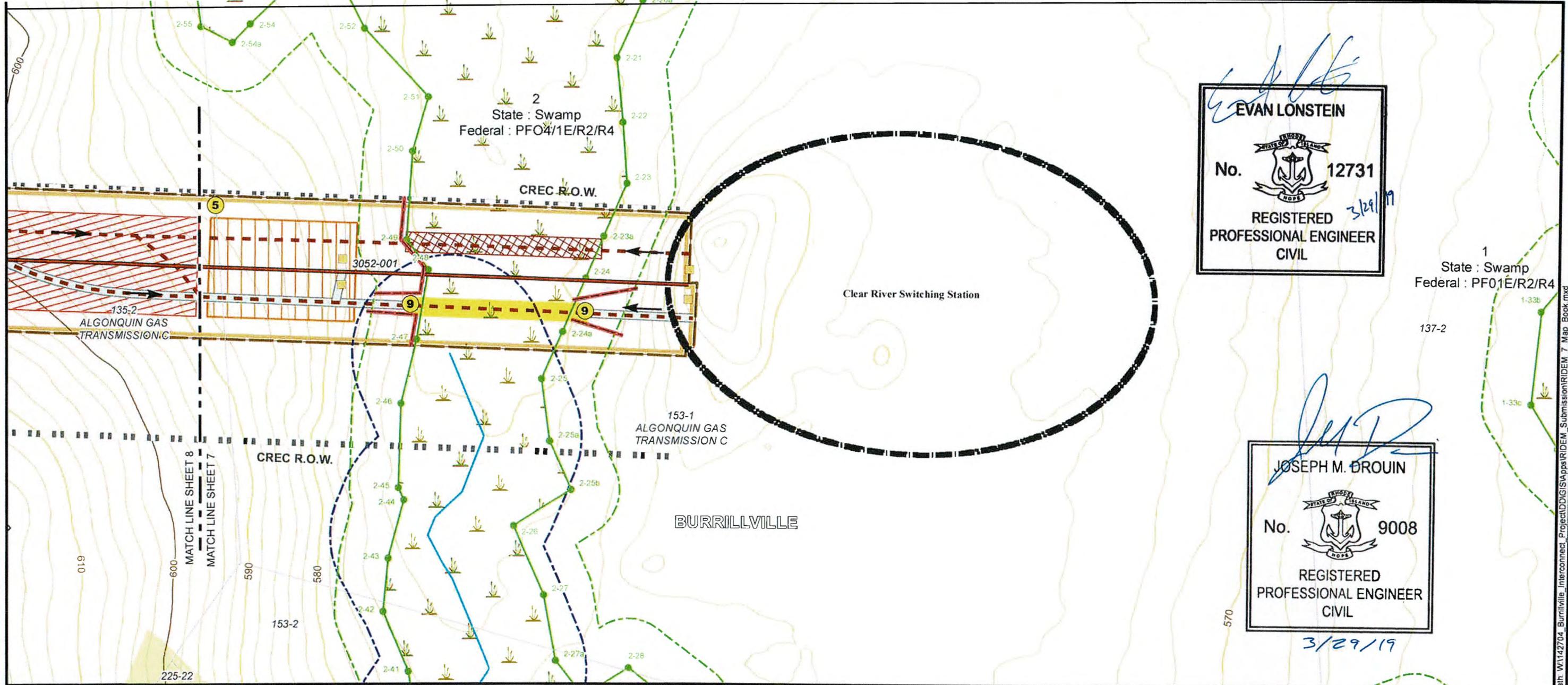
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142704

FIGURE T-3

SHEET 06 OF 65

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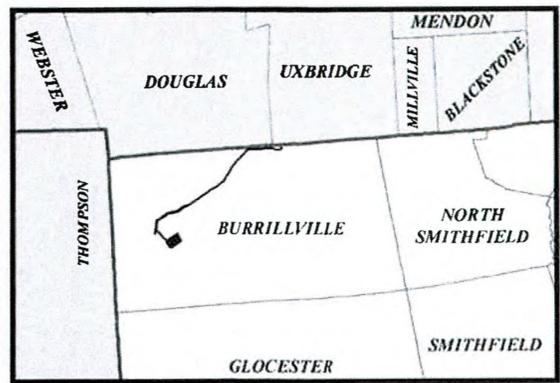


Evan Lonstein
EVAN LONSTEIN
 No. **12731**
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

1
 State : Swamp
 Federal : PF01E/R2/R4
 137-2

Joseph M. Drouin
JOSEPH M. DROUIN
 No. **9008**
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland

Proposed

- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat Conservation Land
- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area

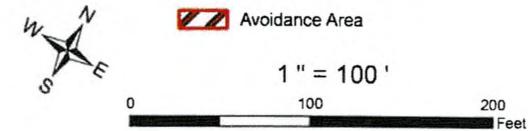
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

- 1** Stabilized construction ingress/egress
- 2** Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
- 3** Laydown or landing area
- 4** Stockpiling / staging area (see Erosion & Sediment Control General Notes)
- 5** Dewatering area (see Erosion & Sediment Control General Notes)
- 6** Concrete washout basin / testing area (see Erosion & Sediment Control General Notes)

- 7** If access road grading required on steep terrain (exceeding 3:1 slope), water bars should be installed during road bed preparation
- Stream and ASSF crossings will be accomplished using one of the stream crossing techniques shown on the swamp mat details (mat bridge detail). Access road crossings and construction work pads will be elevated in such a manner to span the stream or ASSF and not obstruct the flow of water.
- 8** Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)
- 9** Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)

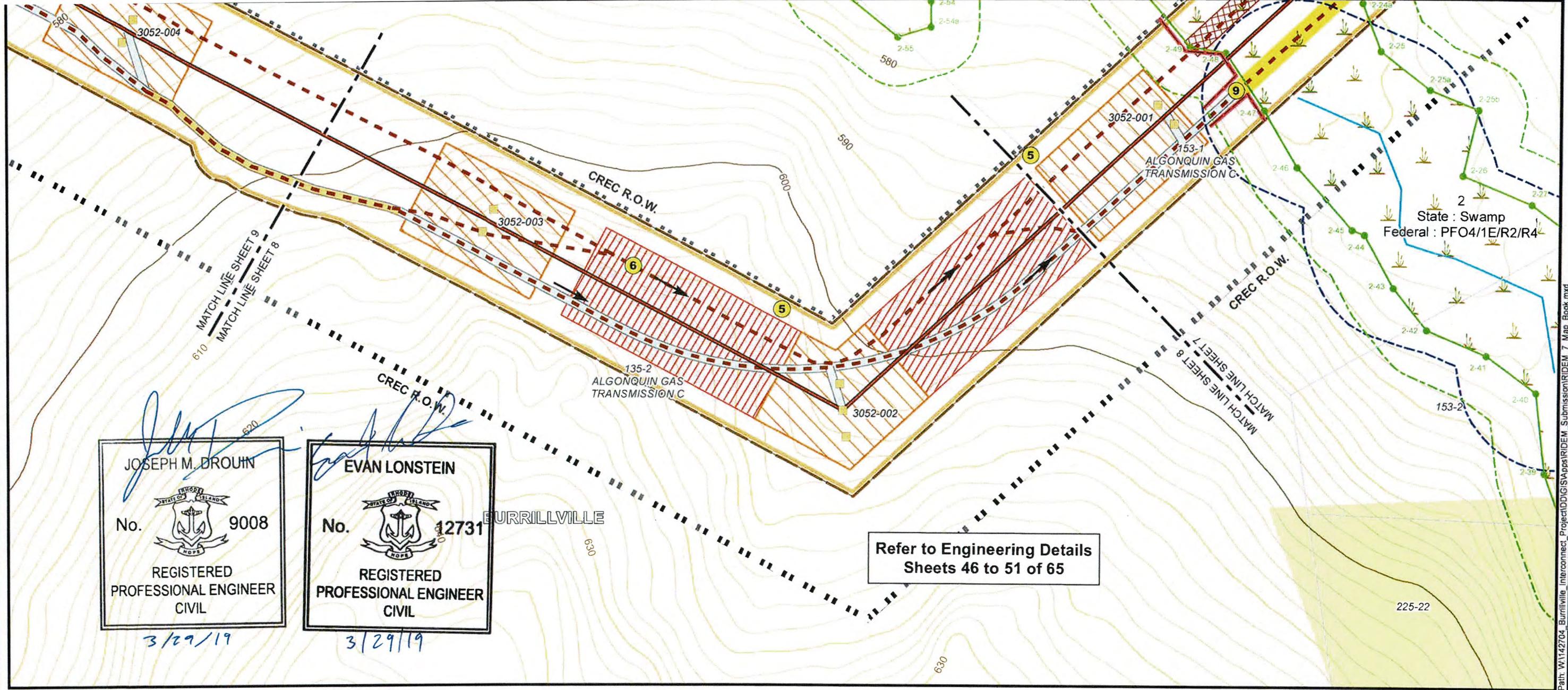
Notes:
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 - Rhode Island PE Seal 9008 is applicable only to the proposed transmission structure locations shown.
 - Proposed transmission structure locations are approximate.

NOT FOR CONSTRUCTION



BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3	SHEET 07 OF 65

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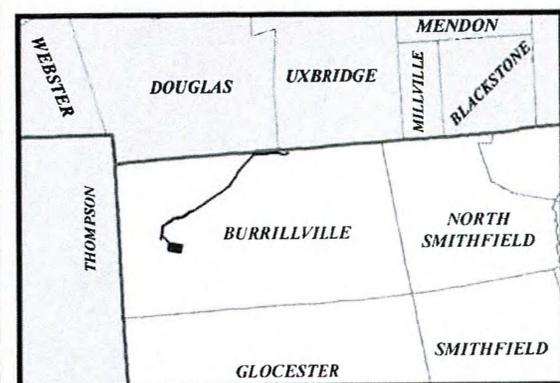

JOSEPH M. DROUIN
 No. **9008**

REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19


EVAN LONSTEIN
 No. **12731**

REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland
- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

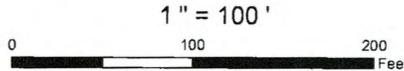
- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

- 1** Stabilized construction ingress/egress
- 2** Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
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Invenergy
nationalgrid



BURRILLVILLE INTERCONNECTION PROJECT
THE NARRAGANSETT ELECTRIC CO.
& CLEAR RIVER ENERGY, LLC

RIDEM AND USACE PERMIT DRAWINGS
BURRILLVILLE, RHODE ISLAND

DATE: 3/2/2018

DRAWN: TDH

142704

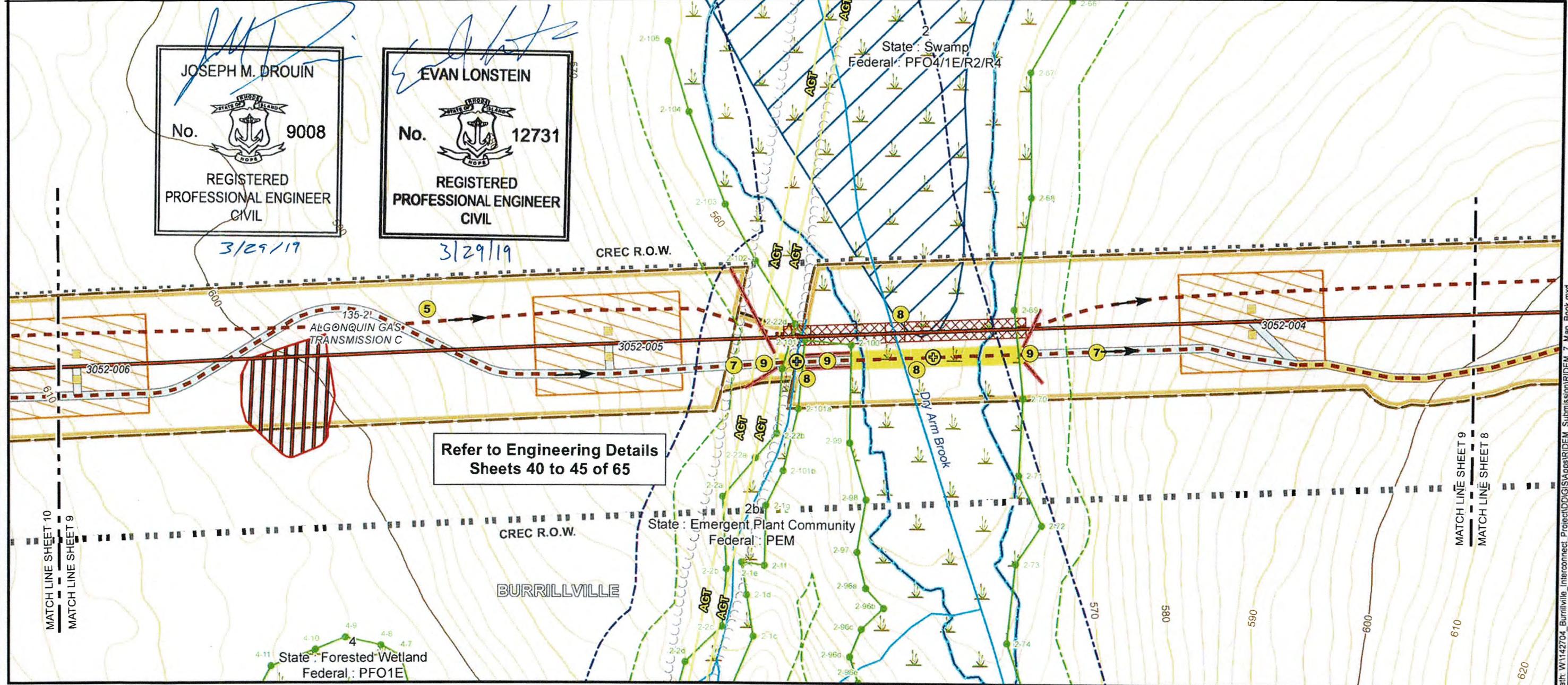
FIGURE T-3

SHEET 08 OF 65

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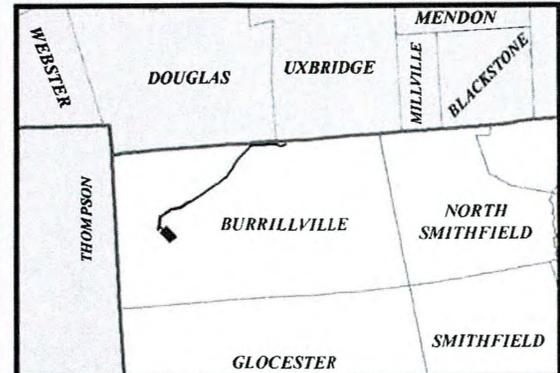
JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19



Refer to Engineering Details Sheets 40 to 45 of 65

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area

Proposed

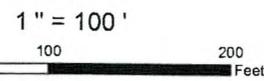
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

- Stabilized construction ingress/egress
- Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
- Laydown or landing area
- Stockpiling / staging area (see Erosion & Sediment Control General Notes)
- Dewatering area (see Erosion & Sediment Control General Notes)
- Concrete washout basin / testing area (see Erosion & Sediment Control General Notes)

- If access road grading required on steep terrain (exceeding 3:1 slope), water bars should be installed during road bed preparation
- Stream and ASSF crossings will be accomplished using one of the stream crossing techniques shown on the swamp mat details (mat bridge detail). Access road crossings and construction work pads will be elevated in such a manner to span the stream or ASSF and not obstruct the flow of water.
- Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)

Notes:
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NOT FOR CONSTRUCTION



BURRILLVILLE INTERCONNECTION PROJECT
THE NARRAGANSETT ELECTRIC CO.
& CLEAR RIVER ENERGY, LLC

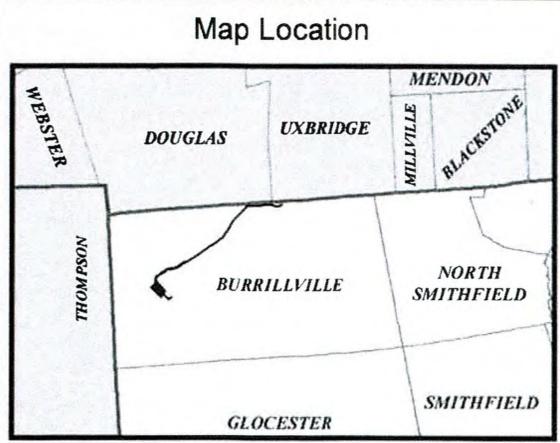
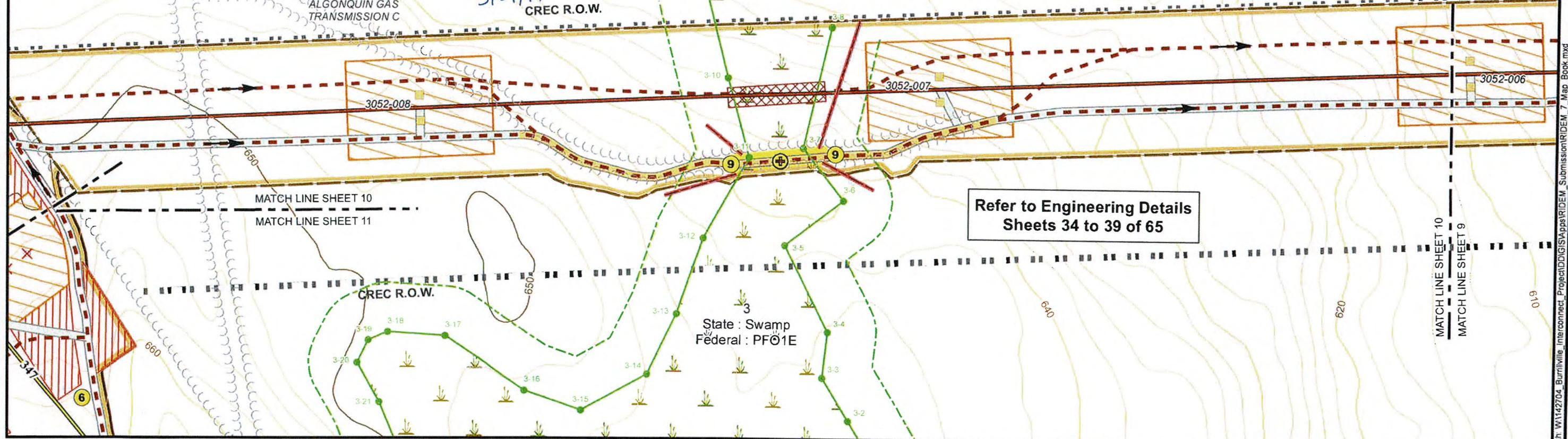
RIDEM AND USACE PERMIT DRAWINGS
BURRILLVILLE, RHODE ISLAND

DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3	SHEET 09 OF 65
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Path: W:\142704_Burrillville_Interconnect_Project\DDGIS\apps\RIDEM_Submission\RIDEM_7_Map_Book.mxd

JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19
 CREC R.O.W.



- Existing Conditions**
- Existing Steel Pole
 - Existing Wood Pole
 - Wood Distribution Pole
 - Existing Transmission Line
 - Natural Gas Pipeline
 - AT&T Fiber Optic Line
 - Existing Power Facility
 - Existing Road
 - Existing Right of Way
 - Existing Culvert or Stream Ford
 - Watercourse
 - Area Subject to Storm Flowage (ASSF)
 - 100' Riverbank Buffer
 - 200' Riverbank Buffer
 - Wetland Flag
 - Field Delineated Wetland
 - 50' Perimeter Wetland

- Proposed**
- Vernal Pool
 - Vernal Pool Location
 - Surveyed Floodplain
 - FEMA Flood Hazard (DFIRM 100yr)
 - Floodway
 - Parcel Boundary
 - Building
 - Edge of Wooded Area
 - Stone Feature
 - Stone Grouping
 - Stone Wall
 - Major Index Contour (50' Interval)
 - Index Contour (10' Interval)
 - Contour (2' Interval)
 - Protected Habitat
 - Conservation Land

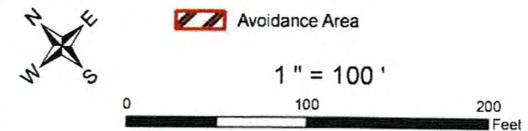
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- Proposed or Reused Steel Pole
 - Steel Pole to be Removed
 - Proposed Wood Pole
 - Wood Pole to be Removed
 - Proposed 345 kV Transmission Line
 - Replaced 345 kV Transmission Line
 - Proposed Clear River Switching Station
 - Proposed Culvert or Stream Ford
 - Proposed New Right-of-Way
 - Use Existing Access Road
 - Improve Existing Road
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- Tree Clearing Access Route
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- Limit of Tree Clearing
- Swamp Mat (Construction)
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Invenergy
 nationalgrid
 POWER ENGINEERS



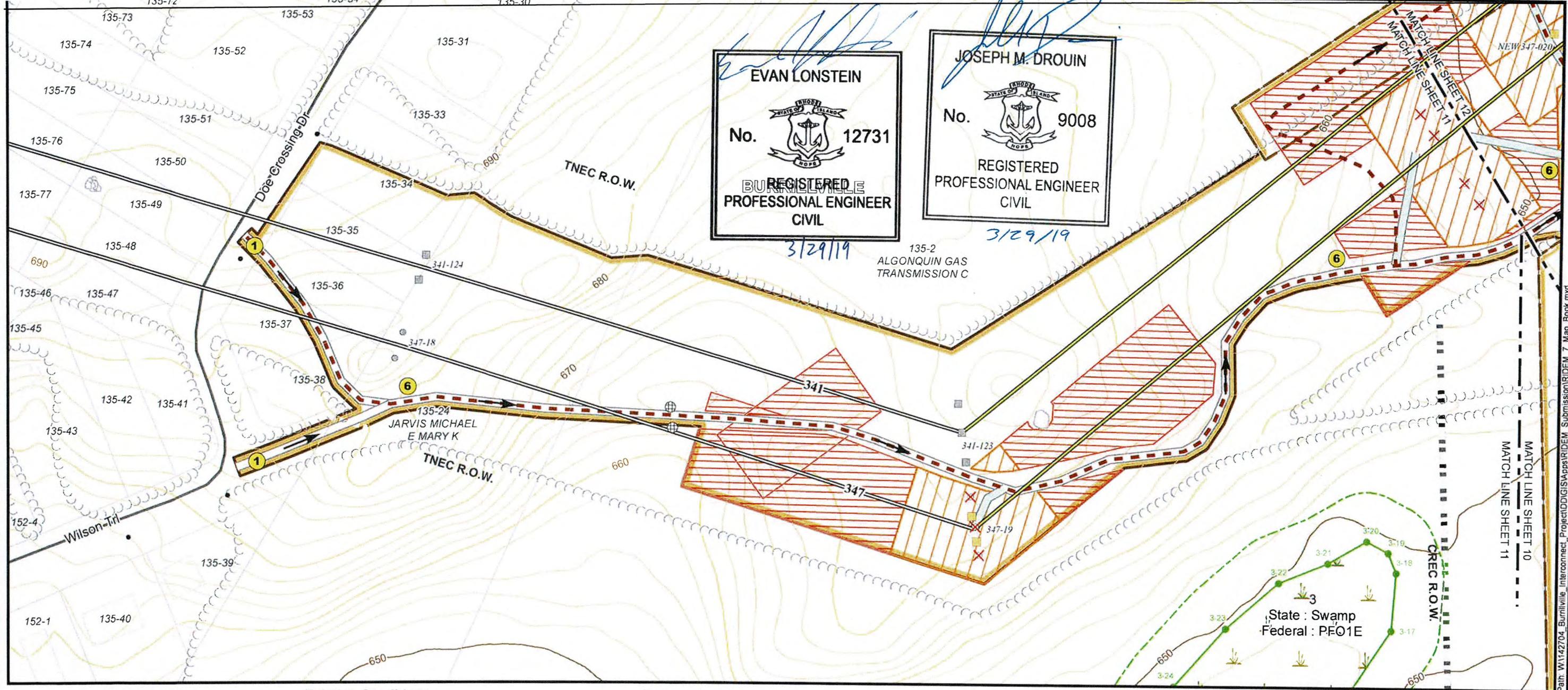
BURRILLVILLE INTERCONNECTION PROJECT
 THE NARRAGANSETT ELECTRIC CO.
 & CLEAR RIVER ENERGY, LLC

RIDEM AND USACE PERMIT DRAWINGS
 BURRILLVILLE, RHODE ISLAND

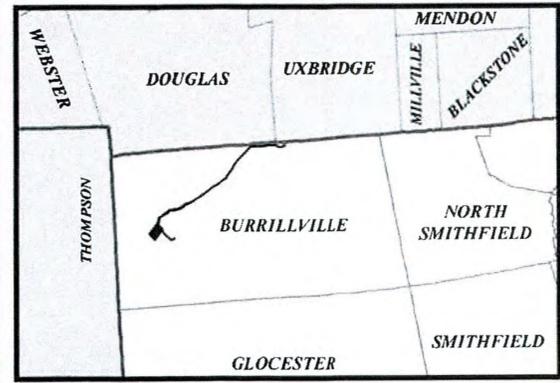
DATE: 3/2/2018 DRAWN: TDH 142704 FIGURE T-3 SHEET 10 OF 65

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Path: W:\142704_Burrillville_Interconnect_Project\DD\GIS\Aps\RIDEM_Submission\RIDEM_7_Map_Book.mxd



Map Location



Existing Conditions

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- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
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- Field Delineated Wetland
- 50' Perimeter Wetland
- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

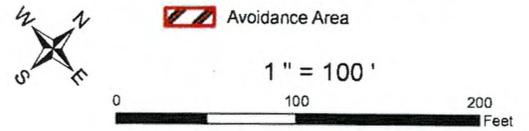
Proposed

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- Steel Pole to be Removed
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- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
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- Improve Existing Road
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- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

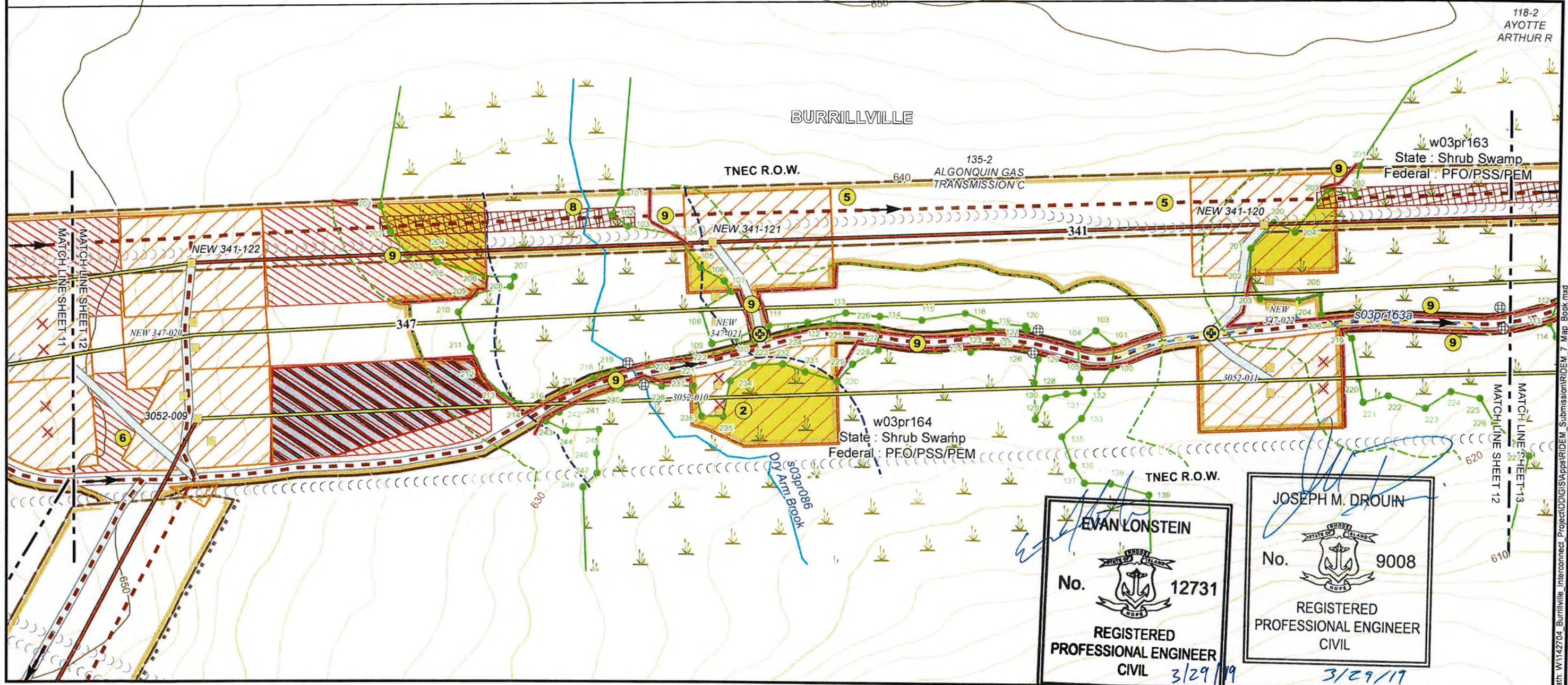
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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3	SHEET 11 OF 65

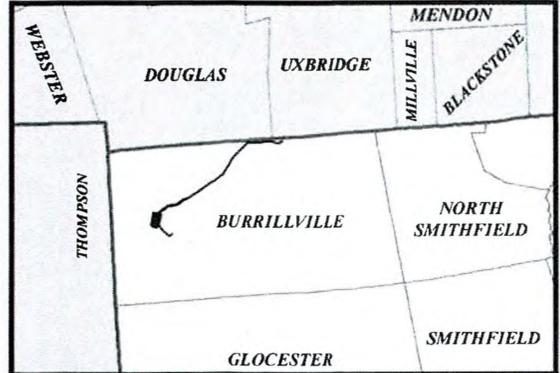


118-2
AYOTTE
ARTHUR R

EVAN LONSTEIN
No. 12731
REGISTERED
PROFESSIONAL ENGINEER
CIVIL
3/29/19

JOSEPH M. DROUIN
No. 9008
REGISTERED
PROFESSIONAL ENGINEER
CIVIL
3/29/19

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland

Proposed

- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
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- Proposed or Reused Steel Pole
- Steel Pole to be Removed
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- Proposed Clear River Switching Station
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- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area

Proposed

- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- C Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

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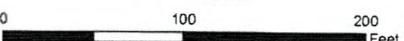
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Invenergy
nationalgrid



1" = 100'



BURRILLVILLE INTERCONNECTION PROJECT
THE NARRAGANSETT ELECTRIC CO.
& CLEAR RIVER ENERGY, LLC

RIDEM AND USACE PERMIT DRAWINGS
BURRILLVILLE, RHODE ISLAND

DATE: 3/2/2018

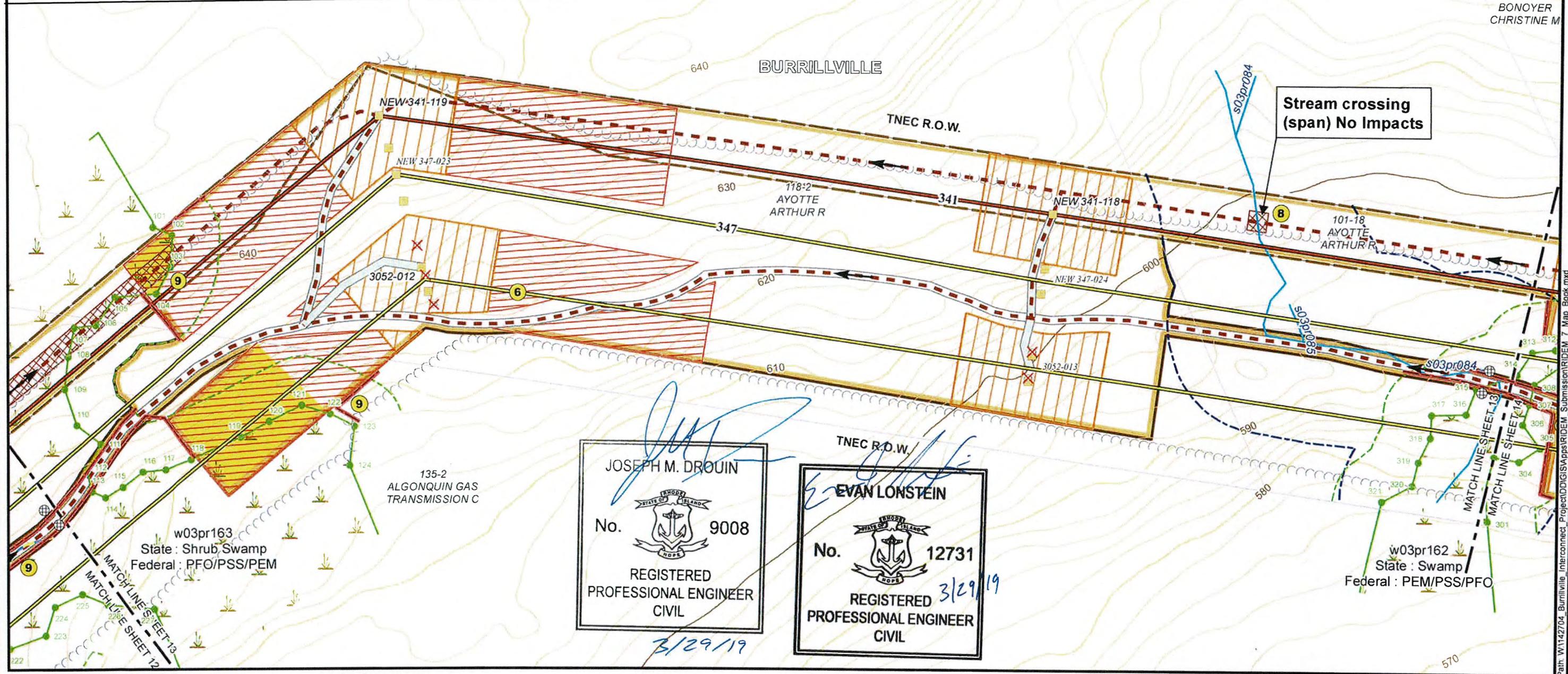
DRAWN: TDH

142704

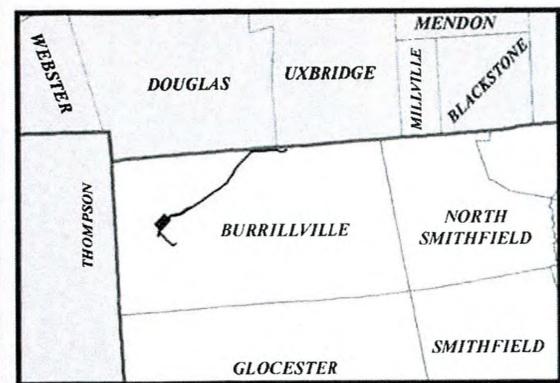
FIGURE T-3

SHEET 12 OF 65

Path: W:\142704 - Burrillville - Interconnect - Project\DDIGIS\Wps\RIDEM_7_Map_Book.mxd



Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
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- Field Delineated Wetland
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- Steel Pole to be Removed
- Proposed Wood Pole
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- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area

Proposed

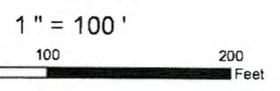
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

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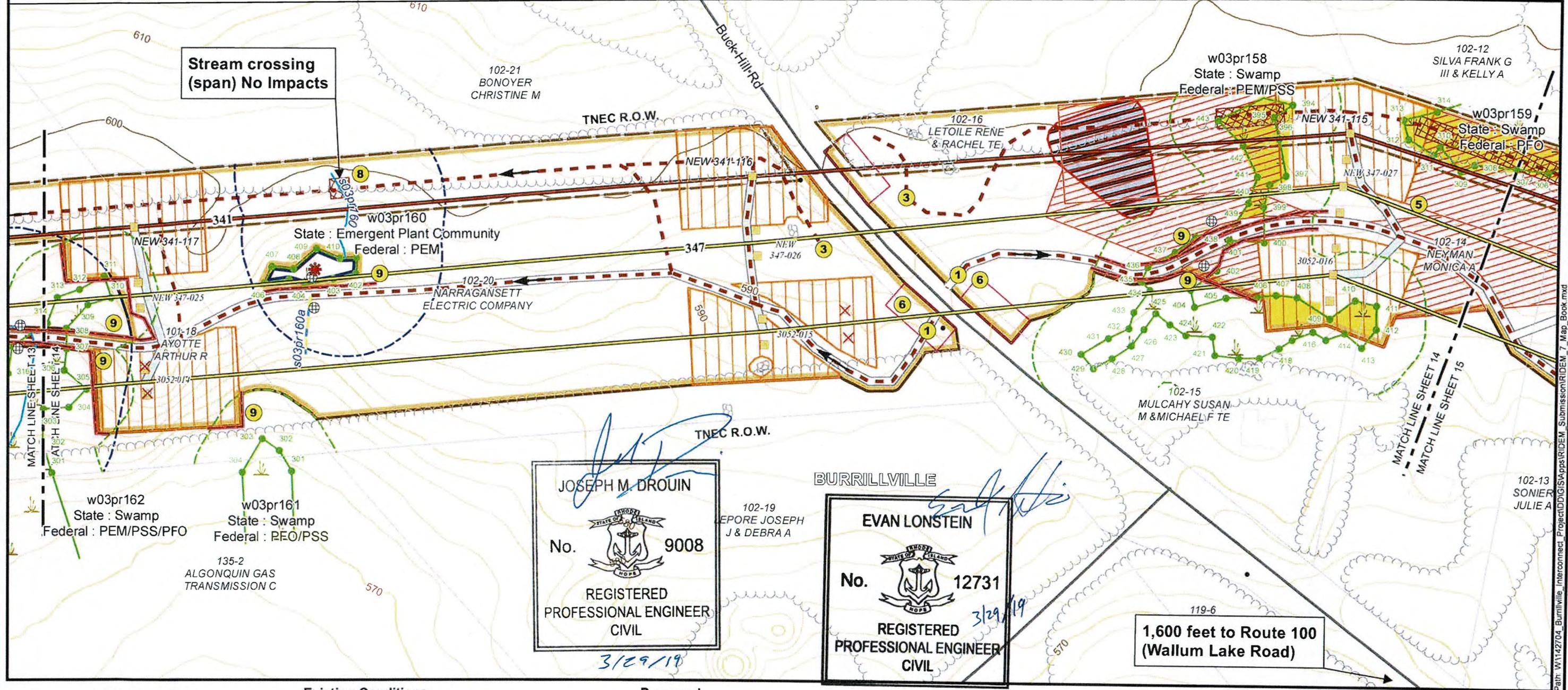
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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3	SHEET 13 OF 65

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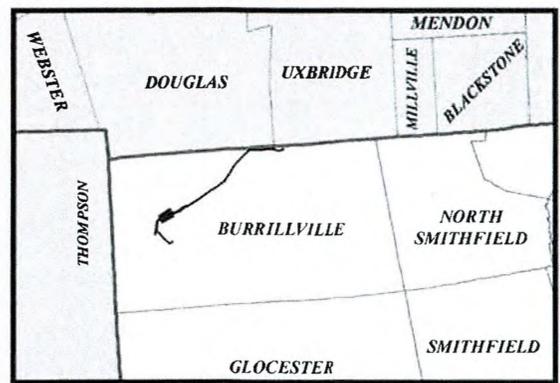


Joseph M. Drouin
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Evan Lonstein
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

1,600 feet to Route 100
 (Wallum Lake Road)

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
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- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
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- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
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Proposed

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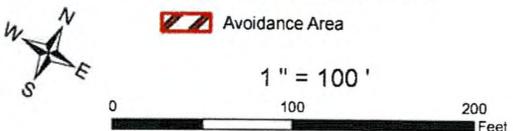
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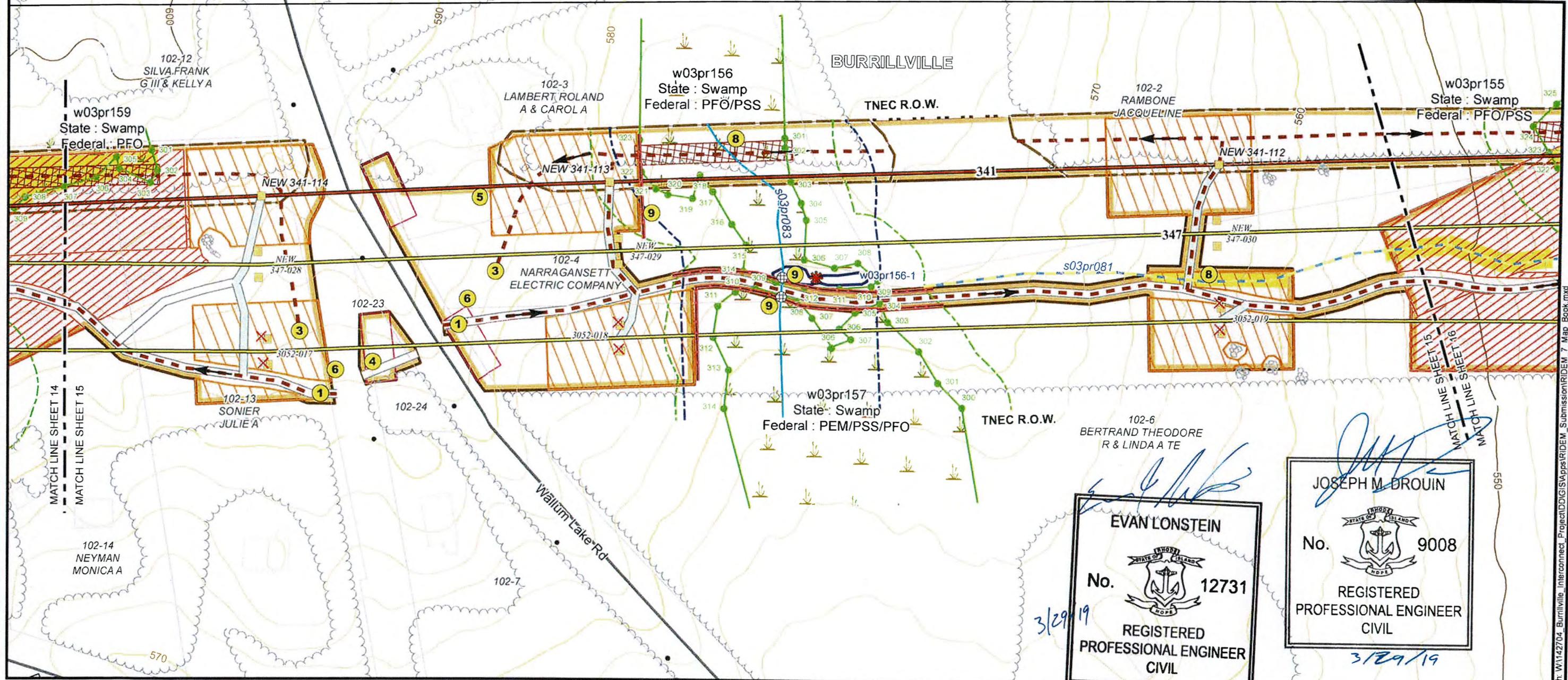
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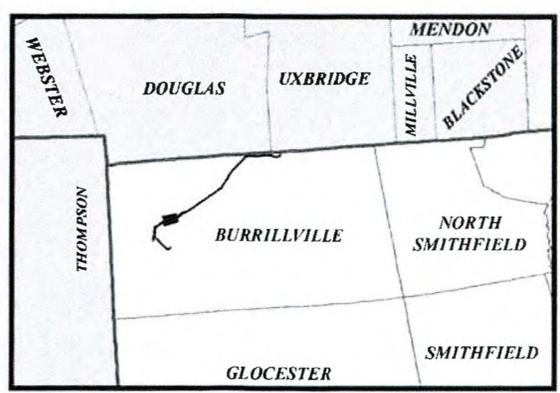
BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3	SHEET 14 OF 65



Evan Lonstein
EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Joseph M. Drouin
JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Map Location



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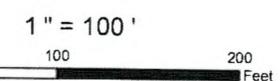
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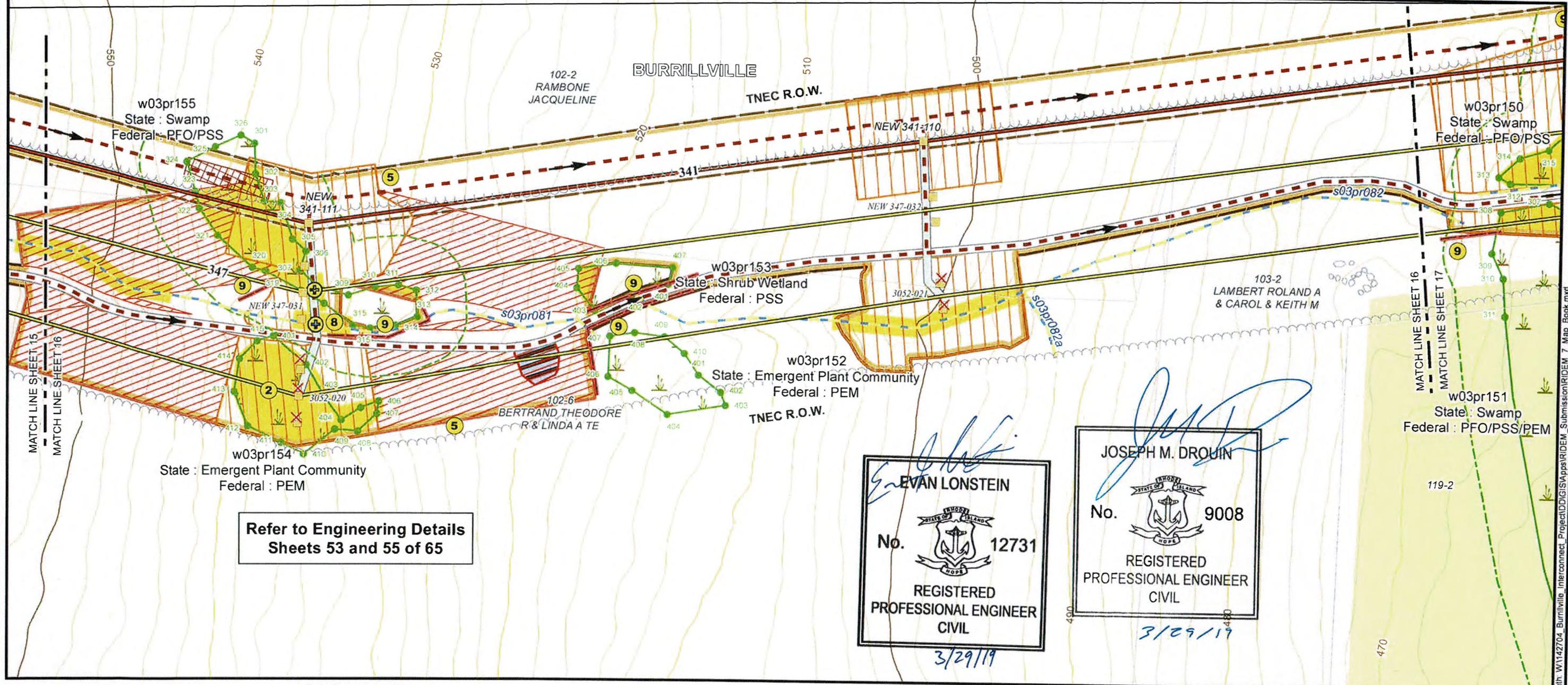
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DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3
		SHEET 15 OF 65	

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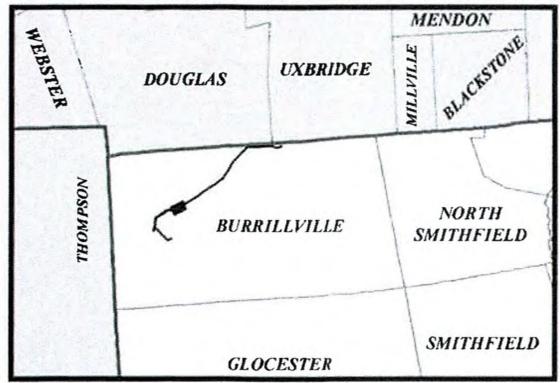


Refer to Engineering Details
Sheets 53 and 55 of 65

Evan Lonstein
EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Joseph M. Drouin
JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland
- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain (FEMA Flood Hazard (DFIRM 100yr) Floodway)
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

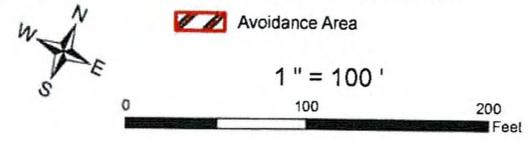
- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

- 1** Stabilized construction ingress/egress
- 2** Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
- 3** Laydown or landing area
- 4** Stockpiling / staging area (see Erosion & Sediment Control General Notes)
- 5** Dewatering area (see Erosion & Sediment Control General Notes)
- 6** Concrete washout basin / testing area (see Erosion & Sediment Control General Notes)

- 7** If access road grading required on steep terrain (exceeding 3:1 slope), water bars should be installed during road bed preparation
- Stream and ASSF crossings will be accomplished using one of the stream crossing techniques shown on the swamp mat details (mat bridge detail). Access road crossings and construction work pads will be elevated in such a manner to span the stream or ASSF and not obstruct the flow of water.
- 8**
- 9** Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)

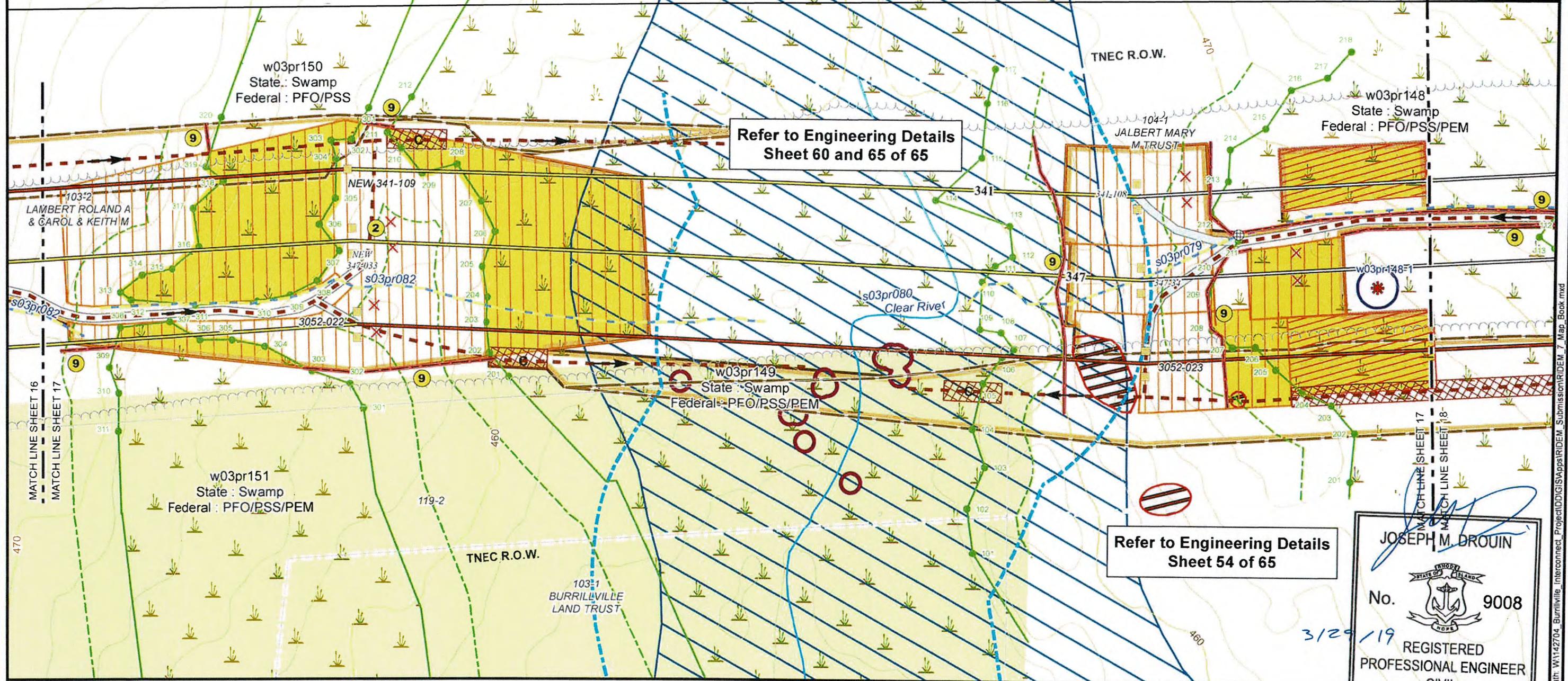
Notes:
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 - Rhode Island PE Seal 9008 is applicable only to the proposed transmission structure locations shown.
 - Proposed transmission structure locations are approximate.

NOT FOR CONSTRUCTION



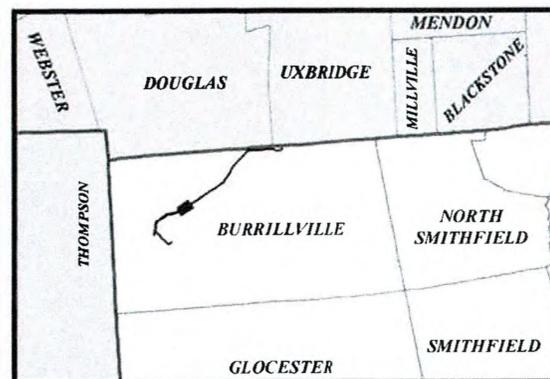
BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3
		SHEET 16 OF 65	

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JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland
- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

- 1** Stabilized construction ingress/egress
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- 6** Concrete washout basin / testing area (see Erosion & Sediment Control General Notes)

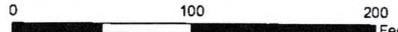
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- 8** Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)
- 9** Notes:
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NOT FOR CONSTRUCTION

Invenergy
 nationalgrid



1" = 100'



BURRILLVILLE INTERCONNECTION PROJECT
 THE NARRAGANSETT ELECTRIC CO.
 & CLEAR RIVER ENERGY, LLC

RIDEM AND USACE PERMIT DRAWINGS
 BURRILLVILLE, RHODE ISLAND

DATE: 3/2/2018

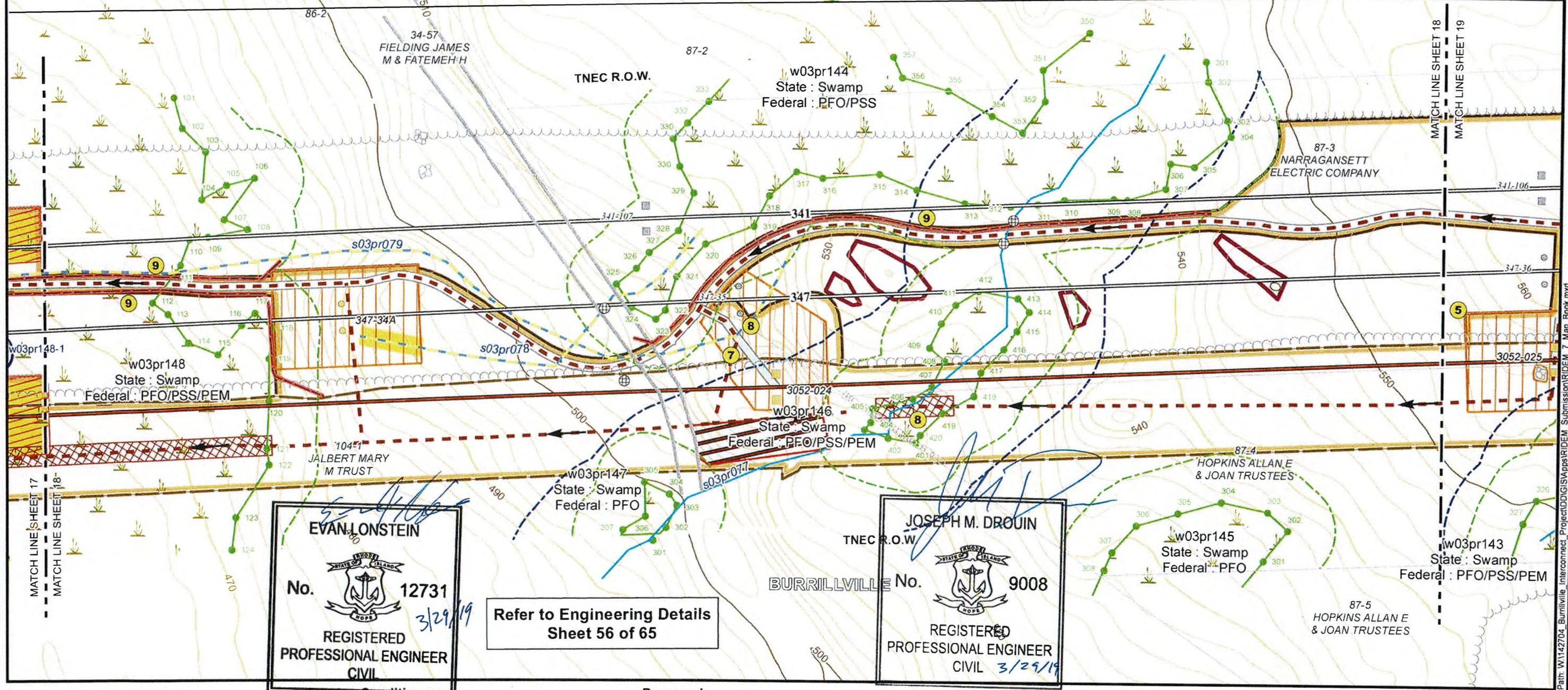
DRAWN: TDH

142704

FIGURE T-3

SHEET 17 OF 65

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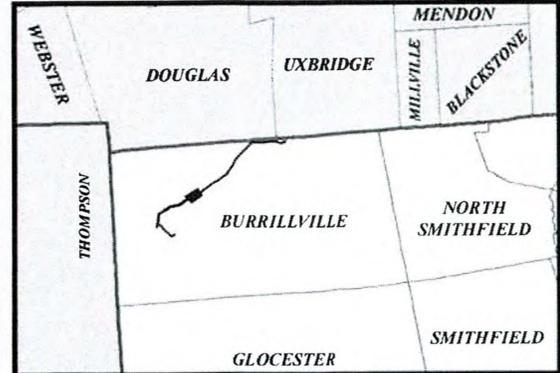


EVAN LONSTEIN
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 3/29/19

JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Refer to Engineering Details
 Sheet 56 of 65

Map Location



- Existing Conditions**
- Existing Steel Pole
 - Existing Wood Pole
 - Wood Distribution Pole
 - Existing Transmission Line
 - Natural Gas Pipeline
 - AT&T Fiber Optic Line
 - Existing Power Facility
 - Existing Road
 - Existing Right of Way
 - Existing Culvert or Stream Ford
 - Watercourse
 - Area Subject to Storm Flowage (ASSF)
 - 100' Riverbank Buffer
 - 200' Riverbank Buffer
 - Wetland Flag
 - Field Delineated Wetland
 - 50' Perimeter Wetland

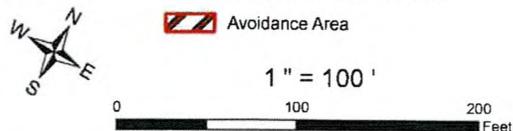
- Proposed**
- Vernal Pool
 - Vernal Pool Location
 - Surveyed Floodplain
 - FEMA Flood Hazard (DFIRM 100yr)
 - Floodway
 - Parcel Boundary
 - Building
 - Edge of Wooded Area
 - Stone Feature
 - Stone Grouping
 - Stone Wall
 - Major Index Contour (50' Interval)
 - Index Contour (10' Interval)
 - Contour (2' Interval)
 - Protected Habitat
 - Conservation Land

- Proposed**
- Proposed or Reused Steel Pole
 - Steel Pole to be Removed
 - Proposed Wood Pole
 - Wood Pole to be Removed
 - Proposed 345 kV Transmission Line
 - Replaced 345 kV Transmission Line
 - Proposed Clear River Switching Station
 - Proposed Culvert or Stream Ford
 - Proposed New Right-of-Way
 - Use Existing Access Road
 - Improve Existing Road
 - Construct New Access Road
 - Avoidance Area

- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

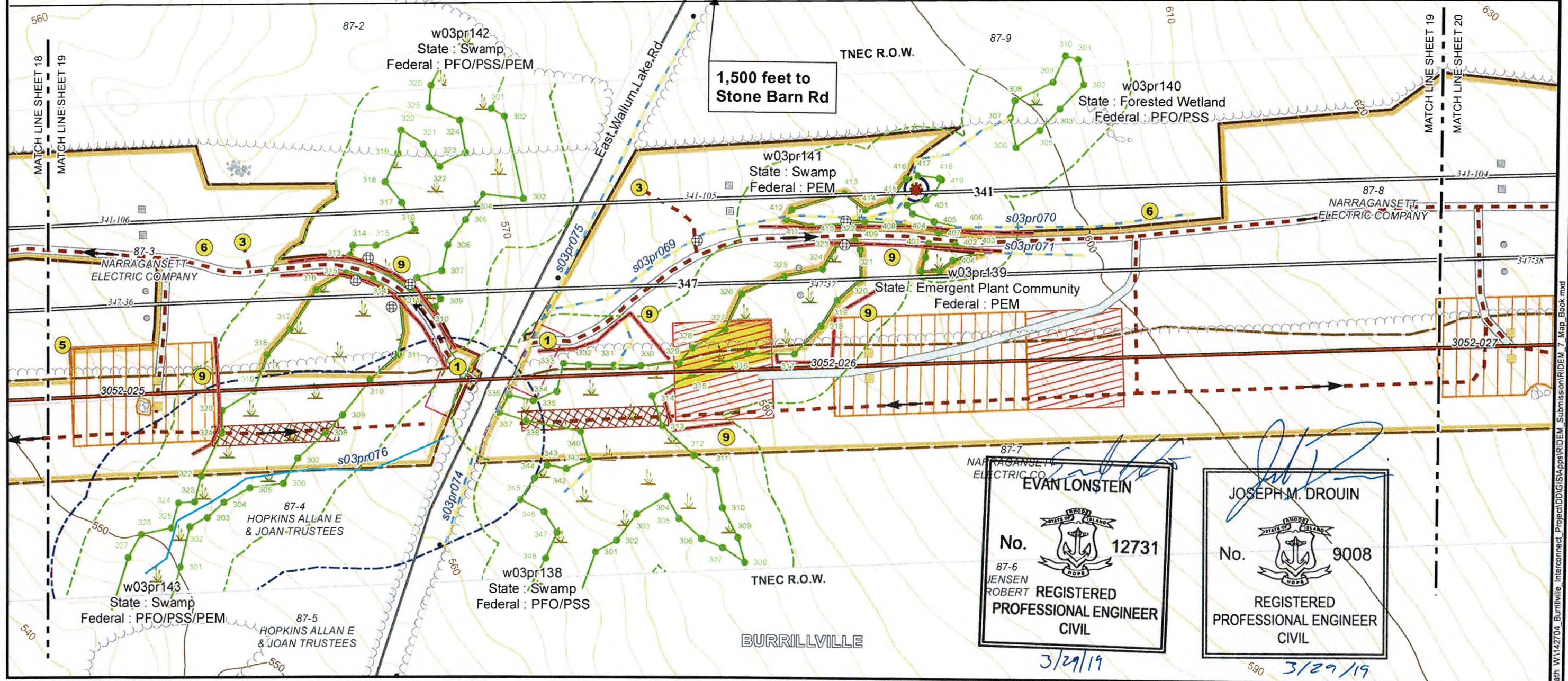
- 1 Stabilized construction ingress/egress
- 2 Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
- 3 Laydown or landing area
- 4 Stockpiling / staging area (see Erosion & Sediment Control General Notes)
- 5 Dewatering area (see Erosion & Sediment Control General Notes)
- 6 Concrete washout basin / testing area (see Erosion & Sediment Control General Notes)

- 7 If access road grading required on steep terrain (exceeding 3:1 slope), water bars should be installed during road bed preparation. Stream and ASSF crossings will be accomplished using one of the stream crossing techniques shown on the swamp mat details (mat bridge detail). Access road crossings and construction work pads will be elevated in such a manner to span the stream or ASSF and not obstruct the flow of water.
 - 8 Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)
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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3	SHEET 18 OF 65

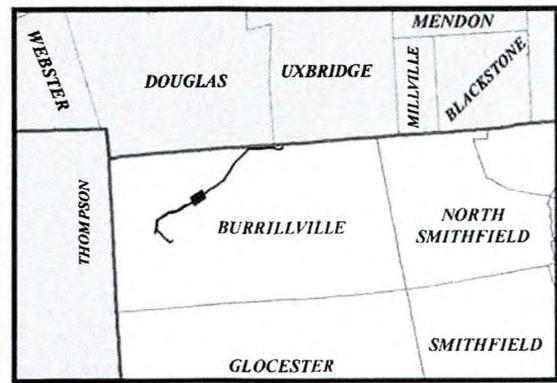
NOT FOR CONSTRUCTION



EVAN LONSTEIN
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 3/29/19

JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland
- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain (FEMA Flood Hazard (DFIRM 100yr))
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

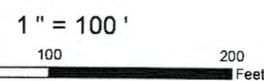
- 1** Stabilized construction ingress/egress
- 2** Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
- 3** Laydown or landing area
- 4** Stockpiling / staging area (see Erosion & Sediment Control General Notes)
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- 9** Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)

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 - Proposed transmission structure locations are approximate.

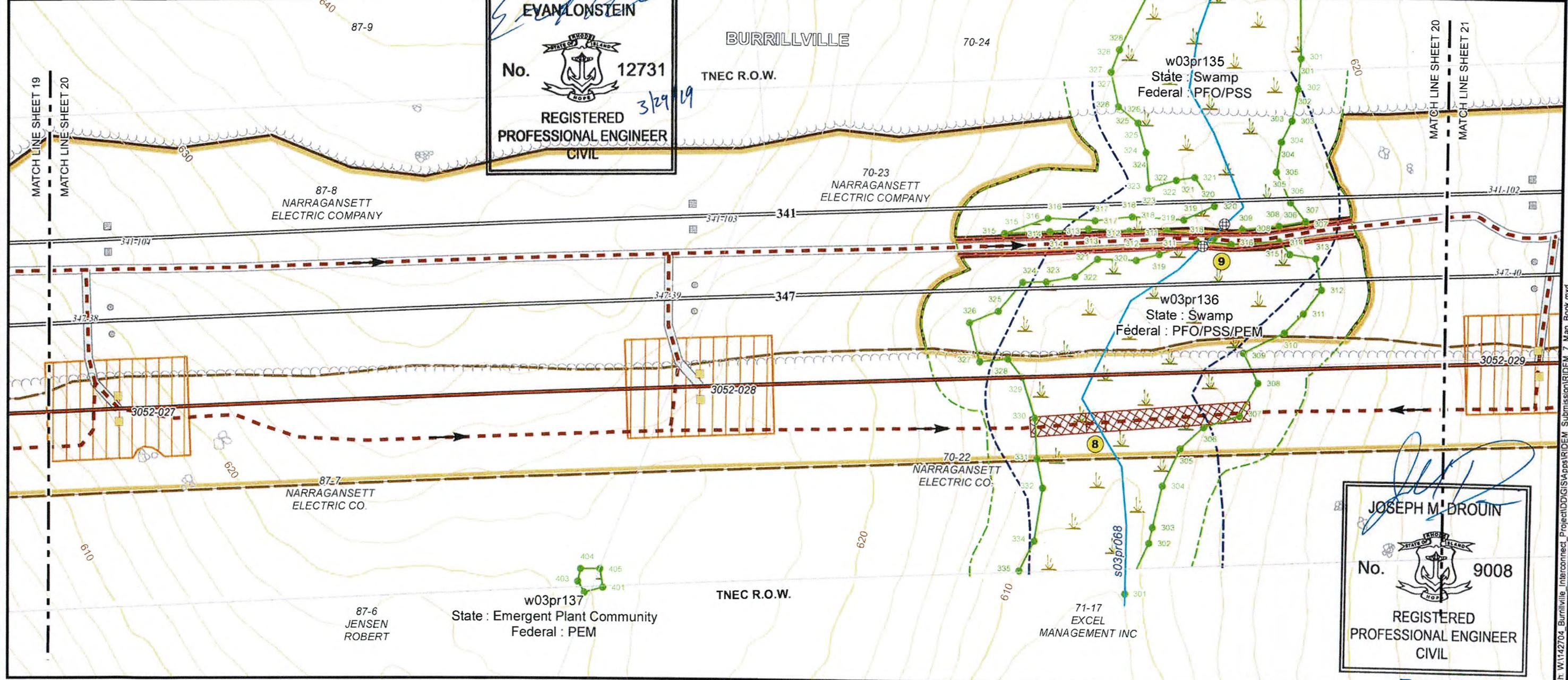
NOT FOR CONSTRUCTION

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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC				RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3	SHEET 19 OF 65	

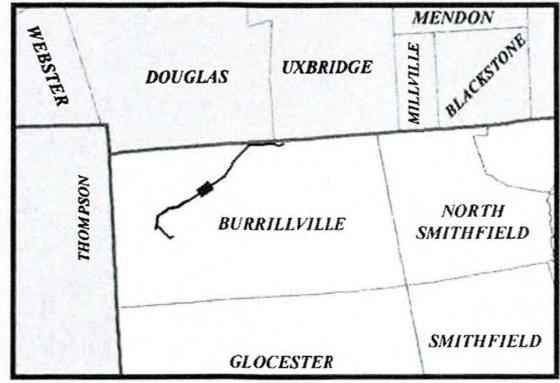
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EVAN LONSTEIN
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 3/29/19

JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area

Proposed

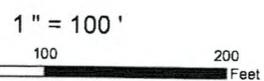
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

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- 2 Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
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- 5 Dewatering area (see Erosion & Sediment Control General Notes)
- 6 Concrete washout basin / testing area (see Erosion & Sediment Control General Notes)

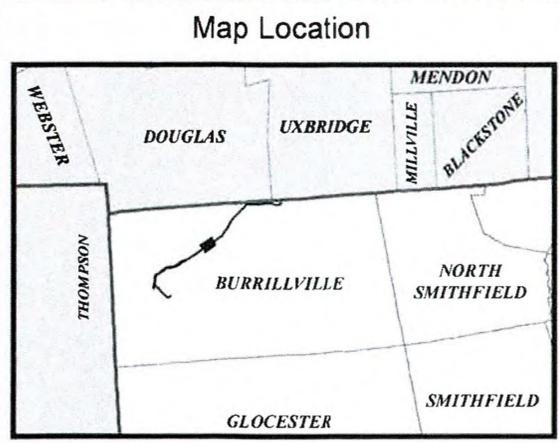
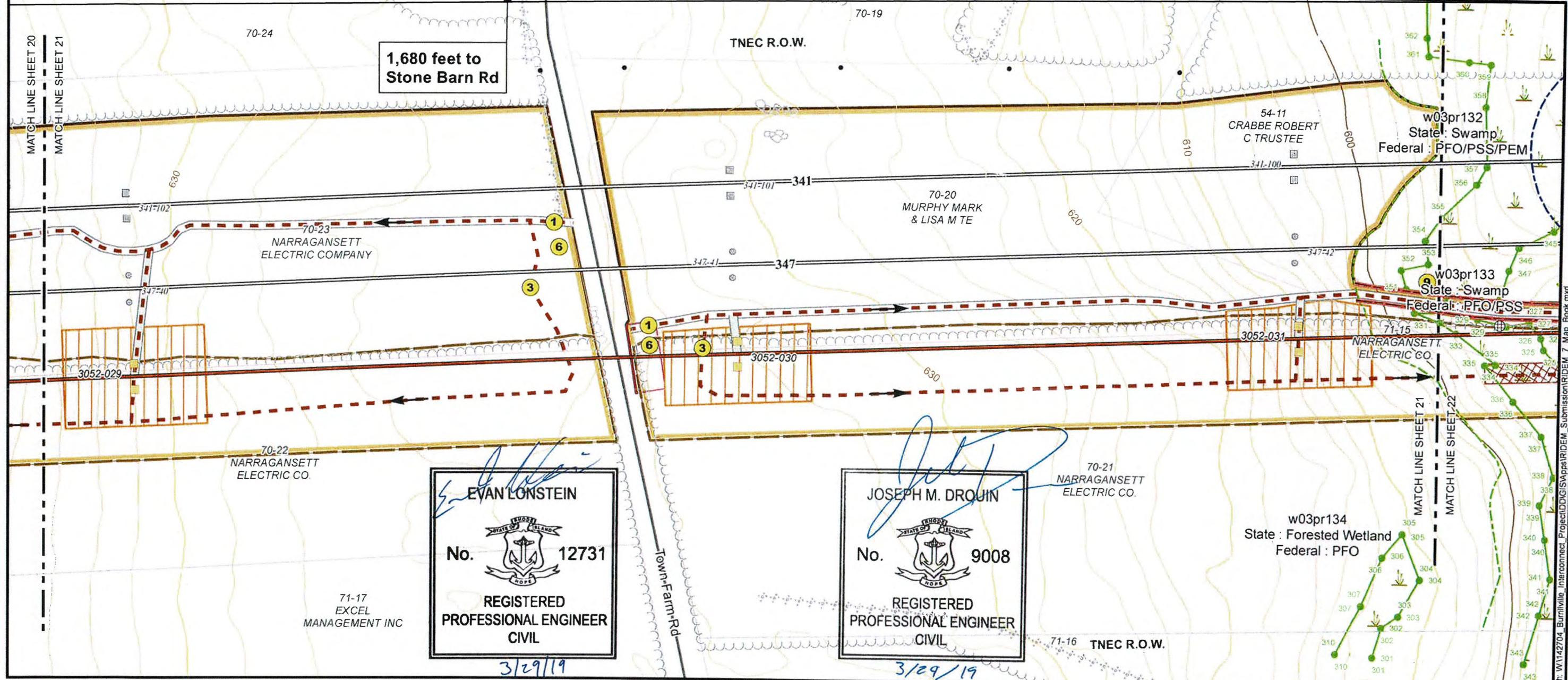
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- 8 Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)

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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3
		SHEET 20 OF 65	



- Existing Conditions**
- Existing Steel Pole
 - Existing Wood Pole
 - Wood Distribution Pole
 - Existing Transmission Line
 - Natural Gas Pipeline
 - AT&T Fiber Optic Line
 - Existing Power Facility
 - Existing Road
 - Existing Right of Way
 - Existing Culvert or Stream Ford
 - Watercourse
 - Area Subject to Storm Flowage (ASSF)
 - 100' Riverbank Buffer
 - 200' Riverbank Buffer
 - Wetland Flag
 - Field Delineated Wetland
 - 50' Perimeter Wetland

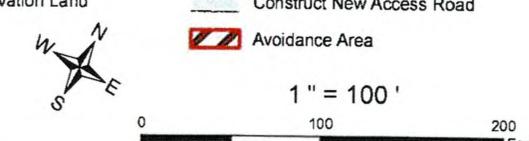
- Proposed**
- Proposed or Reused Steel Pole
 - Steel Pole to be Removed
 - Proposed Wood Pole
 - Wood Pole to be Removed
 - Proposed 345 kV Transmission Line
 - Replaced 345 kV Transmission Line
 - Proposed Clear River Switching Station
 - Proposed Culvert or Stream Ford
 - Proposed New Right-of-Way
 - Use Existing Access Road
 - Improve Existing Road
 - Construct New Access Road
 - Avoidance Area

- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

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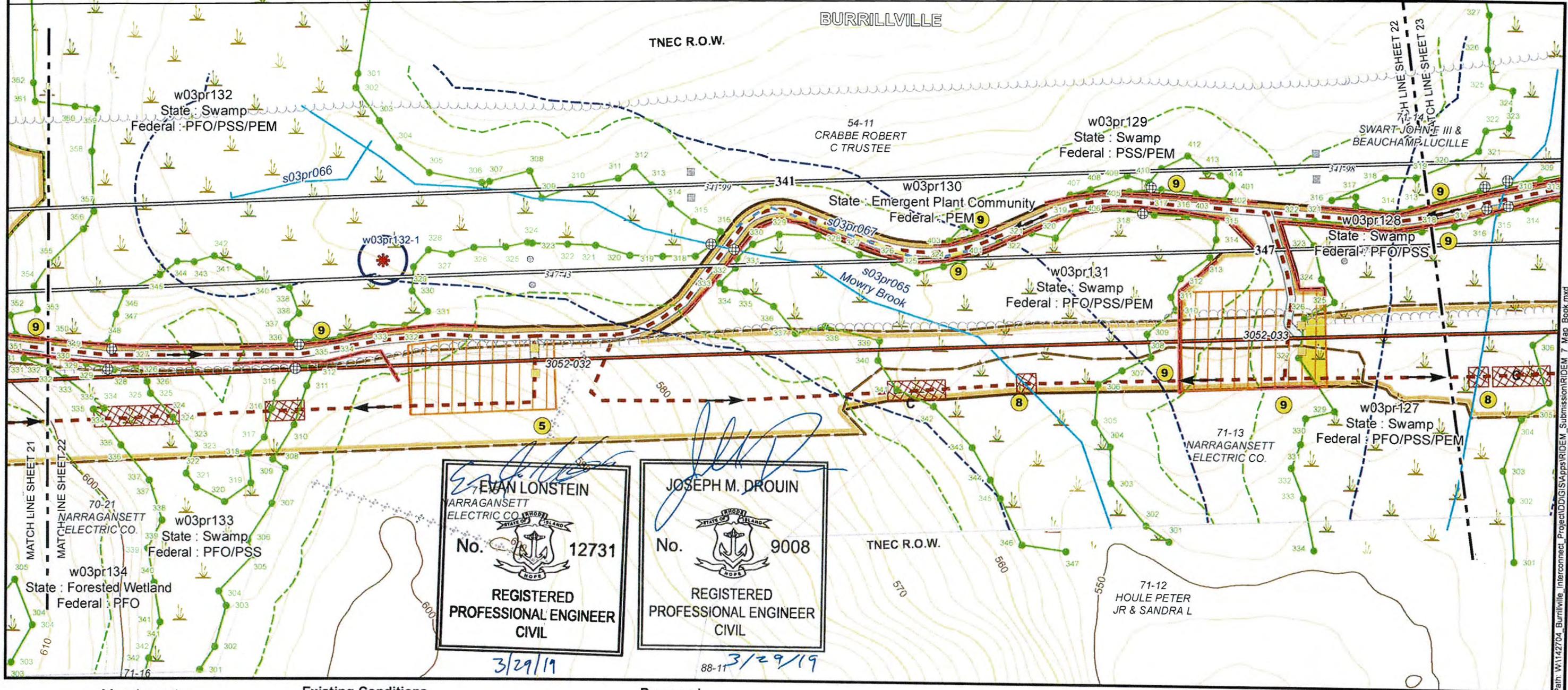


**BURRILLVILLE INTERCONNECTION PROJECT
 THE NARRAGANSETT ELECTRIC CO.
 & CLEAR RIVER ENERGY, LLC**

**RIDEM AND USACE PERMIT DRAWINGS
 BURRILLVILLE, RHODE ISLAND**

DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3
			SHEET 21 OF 65

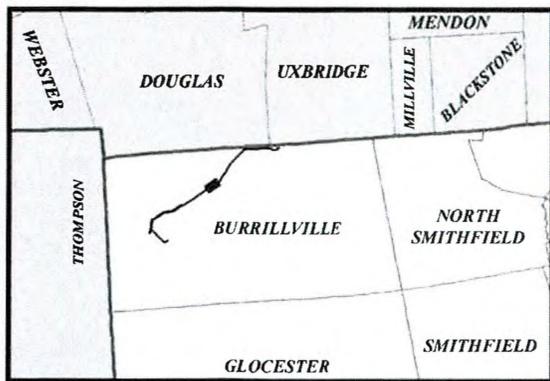
NOT FOR CONSTRUCTION



Evan Lonstein
EVAN LONSTEIN
 NARRAGANSETT ELECTRIC CO.
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

Joseph M. Drouin
JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 88-11 3/29/19

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
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- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain FEMA Flood Hazard (DFIRM 100yr) Floodway
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- Major Index Contour (50' Interval)
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- Protected Habitat
- Conservation Land

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

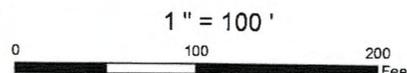
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 - Proposed transmission structure locations are approximate.

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BURRILLVILLE INTERCONNECTION PROJECT
THE NARRAGANSETT ELECTRIC CO.
& CLEAR RIVER ENERGY, LLC

RIDEM AND USACE PERMIT DRAWINGS
BURRILLVILLE, RHODE ISLAND

DATE: 3/2/2018

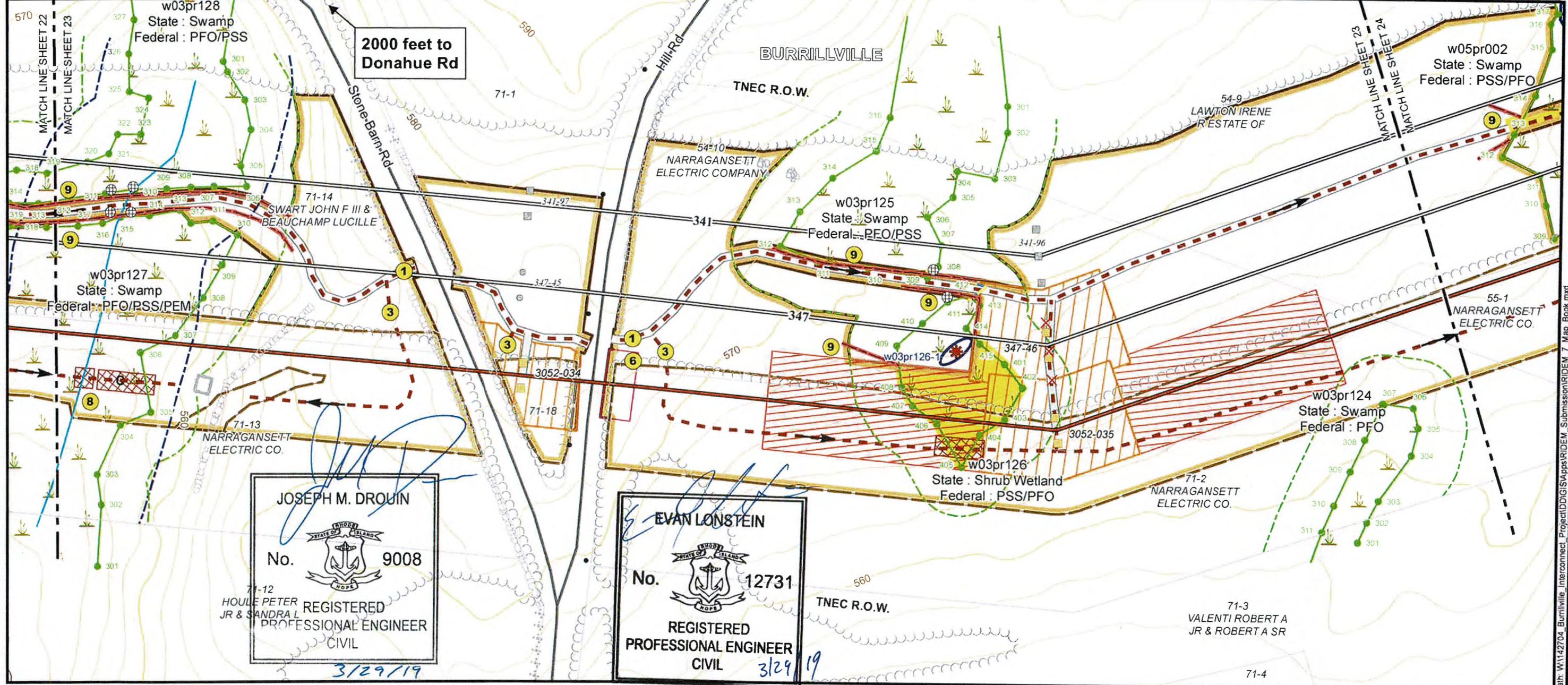
DRAWN: TDH

142704

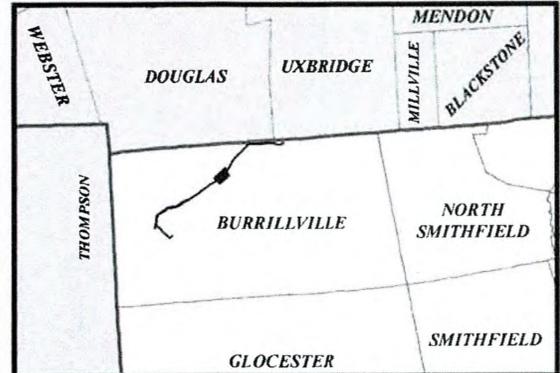
FIGURE T-3

SHEET 22 OF 65

Path: W:\1142704_Burrillville_Interconnect_Project\DDG\IS\Apps\RIDEM_Submission\RIDEM_7_Map_Book.mxd



Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland
- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain FEMA Flood Hazard (DFIRM 100yr) Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

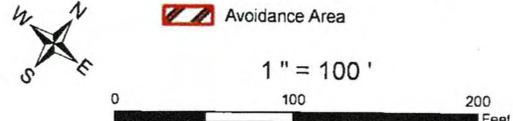
- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

- 1 Stabilized construction ingress/egress
- 2 Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
- 3 Laydown or landing area
- 4 Stockpiling / staging area (see Erosion & Sediment Control General Notes)
- 5 Dewatering area (see Erosion & Sediment Control General Notes)
- 6 Concrete washout basin / testing area (see Erosion & Sediment Control General Notes)

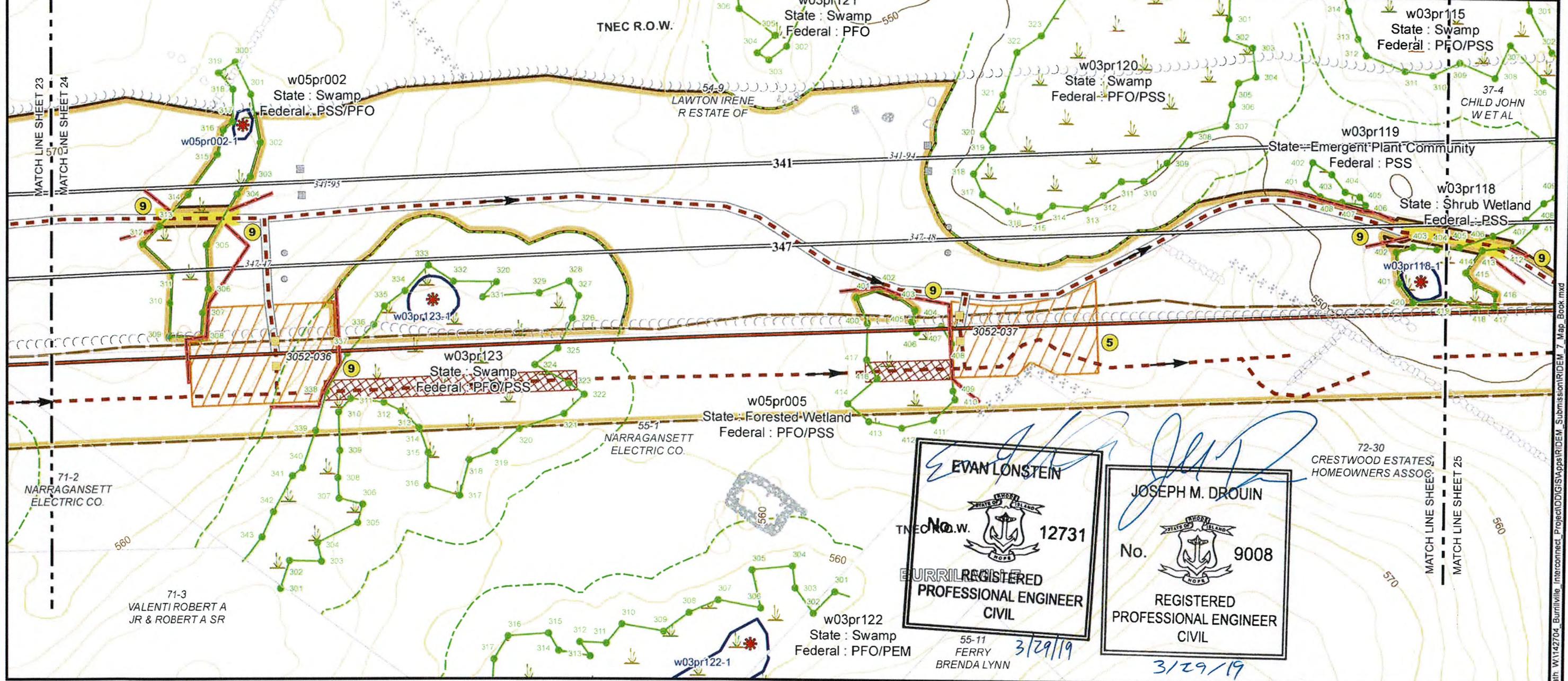
- 7 If access road grading required on steep terrain (exceeding 3:1 slope), water bars should be installed during road bed preparation
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- 9 Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)

Notes:
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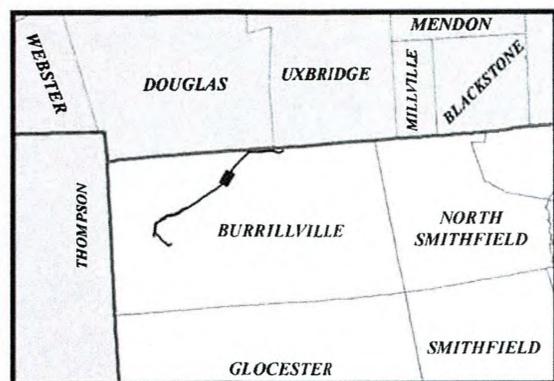
NOT FOR CONSTRUCTION



BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC			RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3	SHEET 23 OF 65



Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland
- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

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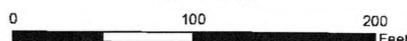
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NOT FOR CONSTRUCTION

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1" = 100'



BURRILLVILLE INTERCONNECTION PROJECT
THE NARRAGANSETT ELECTRIC CO.
& CLEAR RIVER ENERGY, LLC

RIDEM AND USACE PERMIT DRAWINGS
BURRILLVILLE, RHODE ISLAND

DATE: 3/2/2018

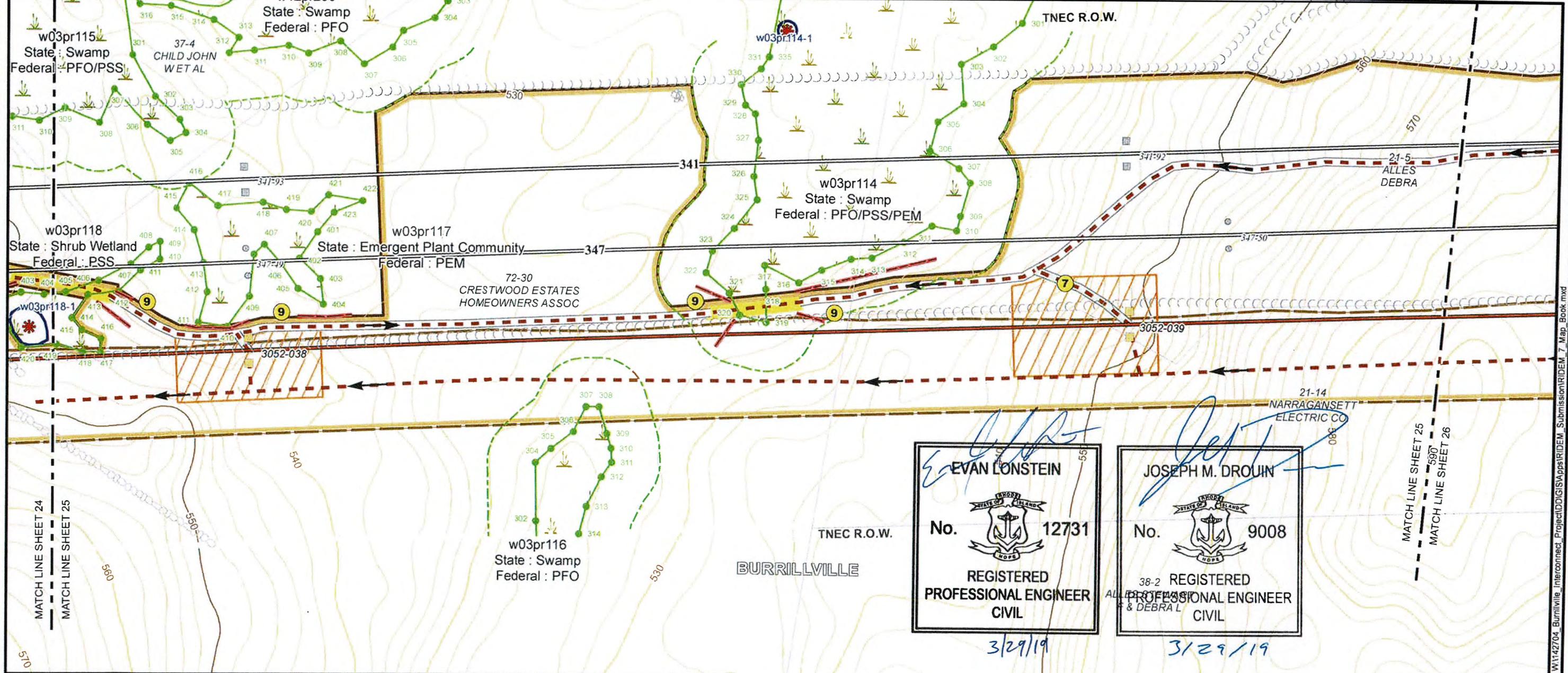
DRAWN: TDH

142704

FIGURE T-3

SHEET 24 OF 65

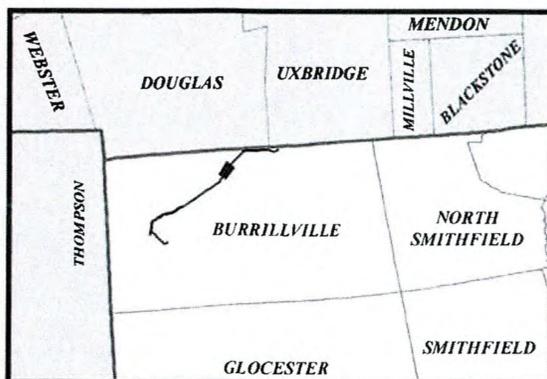
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Evan Lonstein
EVAN LONSTEIN
 No. **12731**
 REGISTERED PROFESSIONAL ENGINEER CIVIL
3/29/19

Joseph M. Drouin
JOSEPH M. DROUIN
 No. **9008**
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 38-2 REGISTERED PROFESSIONAL ENGINEER CIVIL
3/29/19

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland
- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

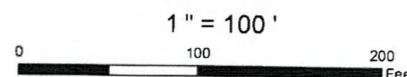
- 1** Stabilized construction ingress/egress
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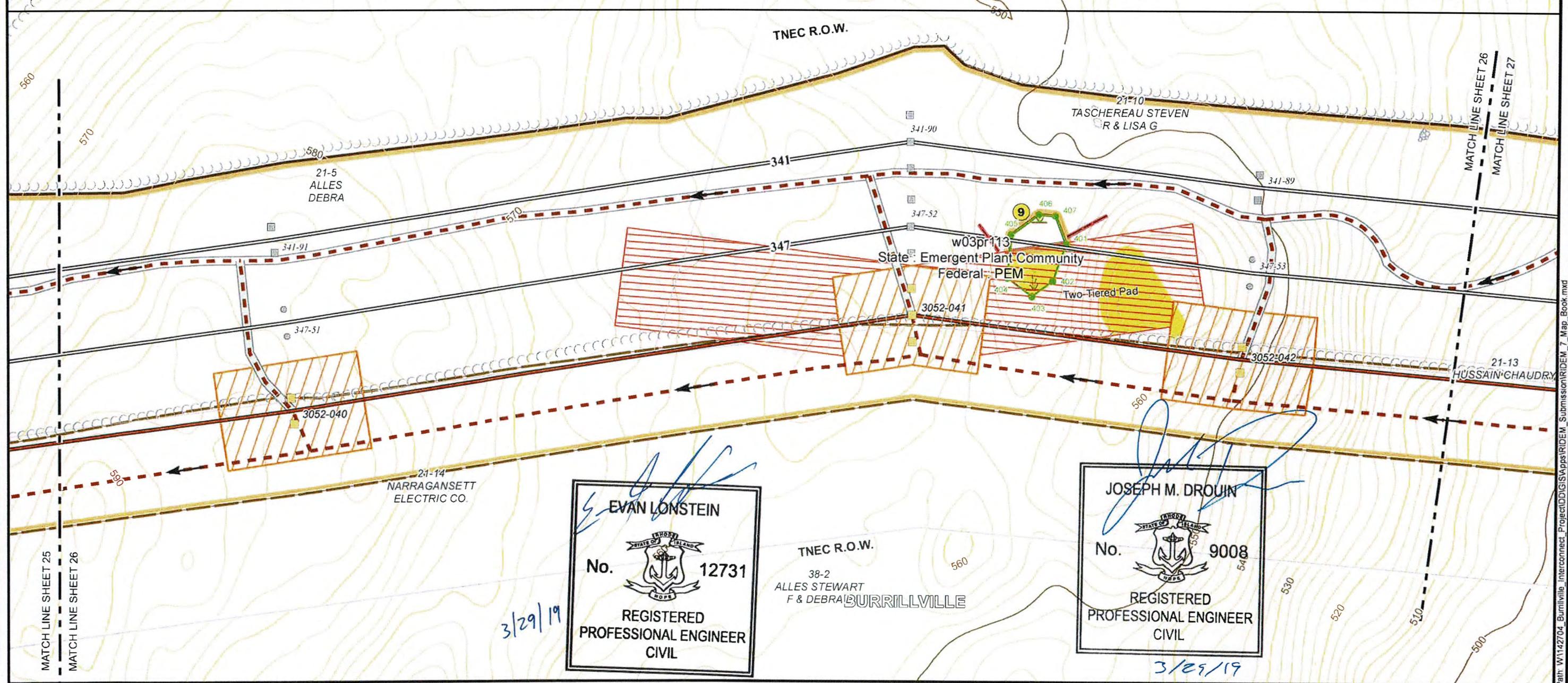
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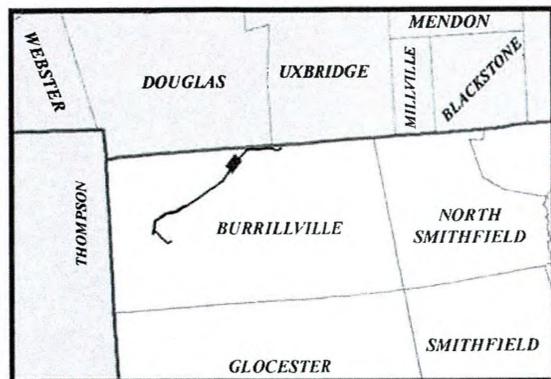


Burrillville Interconnection Project The Narragansett Electric Co. & Clear River Energy, LLC		RIDEM and USACE Permit Drawings Burrillville, Rhode Island	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3
		SHEET 25 OF 65	

Path: W:\142704_Burrillville_Interconnect_Project\DDIG\SI\apps\RIDEM_Submission\RIDEM_7_Map_Book.mxd



Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
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- Area Subject to Storm Flowage (ASSF)
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- Wetland Flag
- Field Delineated Wetland
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- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

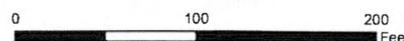
- 1 Stabilized construction ingress/egress
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1" = 100'



**BURRILLVILLE INTERCONNECTION PROJECT
 THE NARRAGANSETT ELECTRIC CO.
 & CLEAR RIVER ENERGY, LLC**

**RIDEM AND USACE PERMIT DRAWINGS
 BURRILLVILLE, RHODE ISLAND**

DATE: 3/2/2018

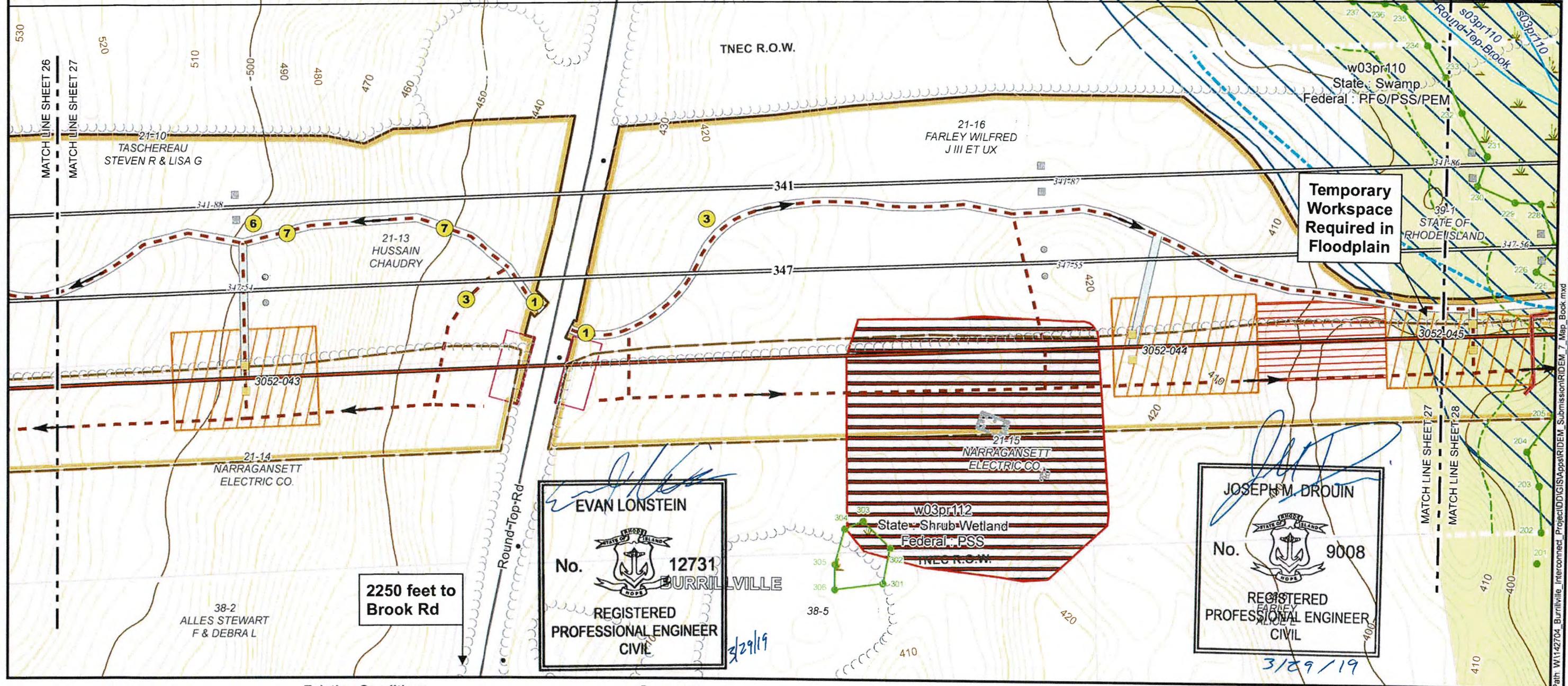
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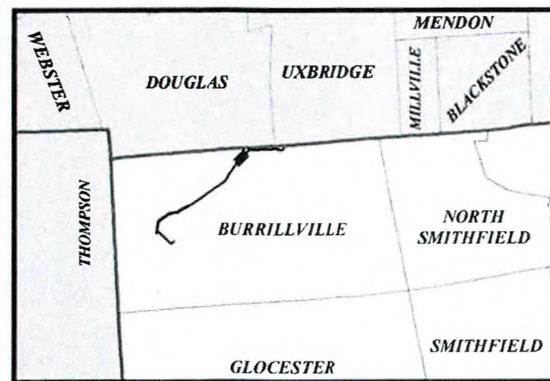
FIGURE T-3

SHEET 26 OF 65

Path: W:\142704_Burrillville_Interconnect_Permit\DDIGIS\apps\RIDEM_Submission\RIDEM_7_Map_Book.mxd



Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland
- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

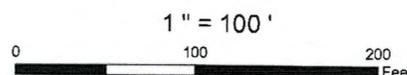
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BURRILLVILLE INTERCONNECTION PROJECT
 THE NARRAGANSETT ELECTRIC CO.
 & CLEAR RIVER ENERGY, LLC

RIDEM AND USACE PERMIT DRAWINGS
 BURRILLVILLE, RHODE ISLAND

DATE: 10/18/2018

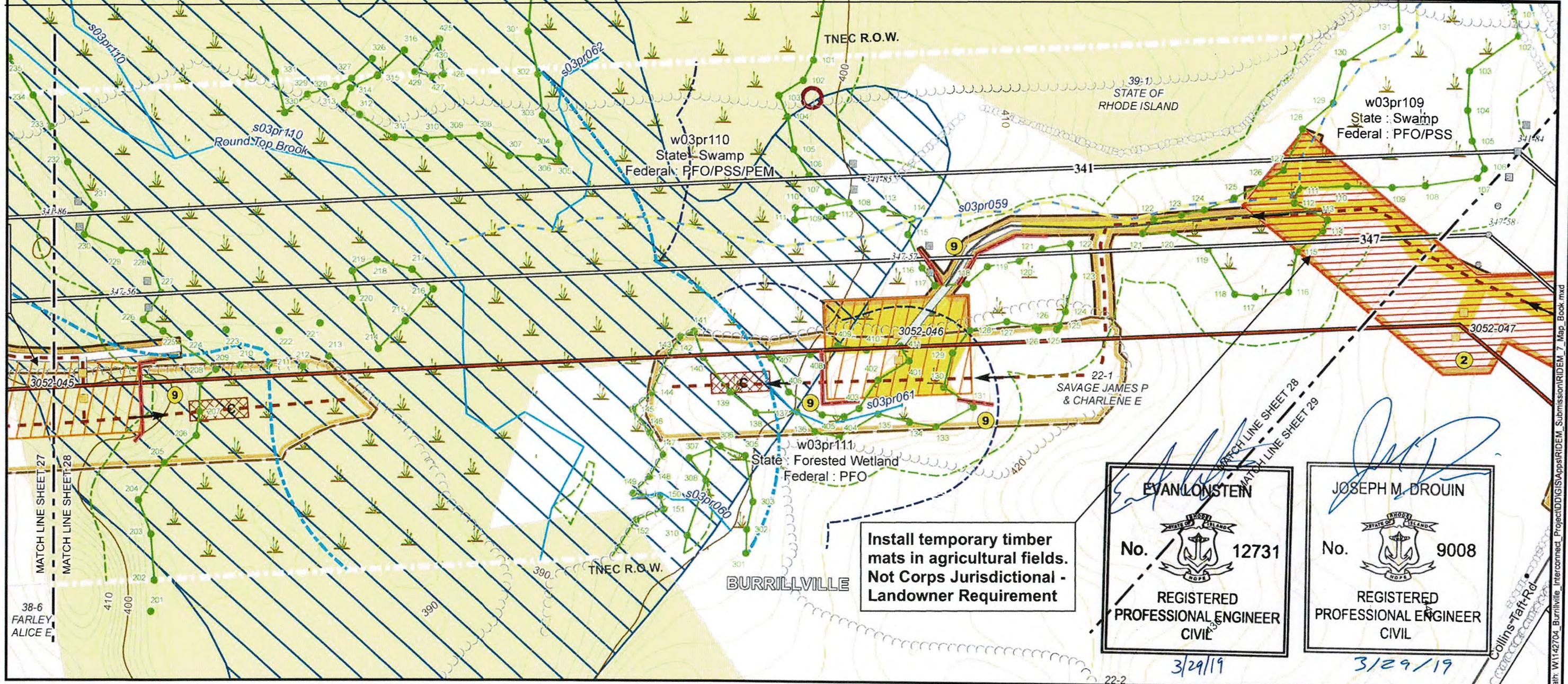
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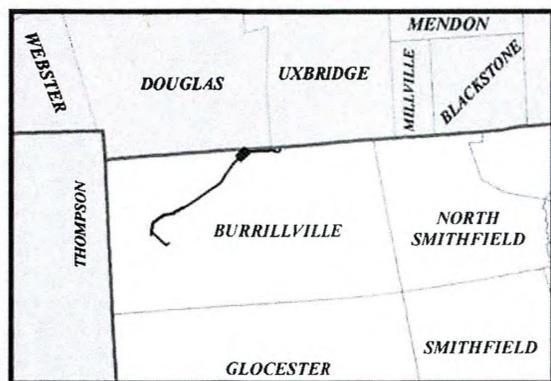
FIGURE T-3

SHEET 27 OF 65

Path: W:\142704_Burrillville_Interconnect_Project\GIS\Apprais\RIDEM_Submission\RIDEM_7_Map_Book.mxd



Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
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- Vernal Pool Location
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- Edge of Wooded Area
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- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat Conservation Land

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
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- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

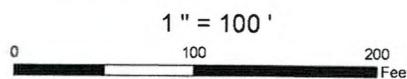
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- 9

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NOT FOR CONSTRUCTION

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**BURRILLVILLE INTERCONNECTION PROJECT
 THE NARRAGANSETT ELECTRIC CO.
 & CLEAR RIVER ENERGY, LLC**

**RIDEM AND USACE PERMIT DRAWINGS
 BURRILLVILLE, RHODE ISLAND**

DATE: 10/18/2018

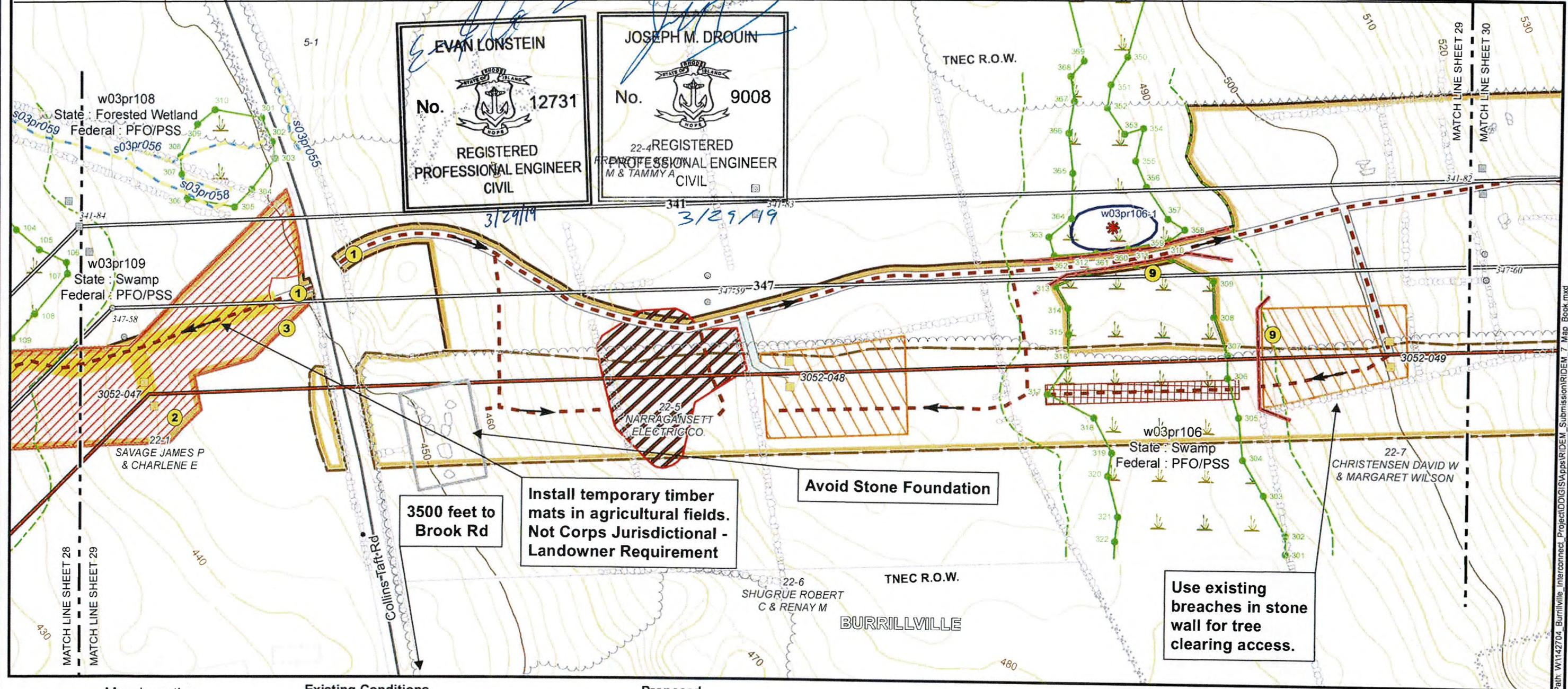
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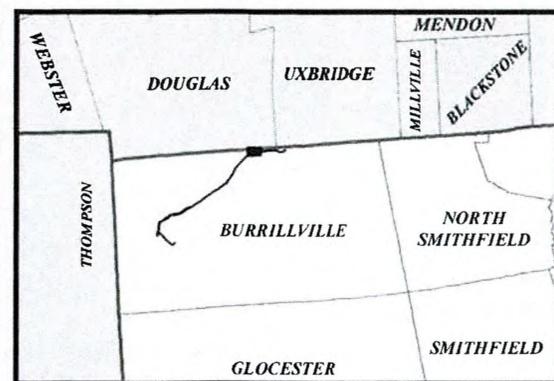
FIGURE T-3

SHEET 28 OF 65

Path: W1142704_Burrillville_Interconnect_Project\GIS\Apps\RIDEM_Submission\RIDEM_7_Map_Book.mxd



Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland
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- Vernal Pool Location
- Surveyed Floodplain
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- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
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- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
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- 9** Perimeter soil erosion & sediment controls (see Erosion & Sediment Control General Notes)

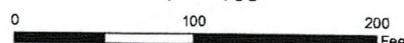
Notes:
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NOT FOR CONSTRUCTION

Invenergy
nationalgrid



1" = 100'



BURRILLVILLE INTERCONNECTION PROJECT
 THE NARRAGANSETT ELECTRIC CO.
 & CLEAR RIVER ENERGY, LLC

RIDEM AND USACE PERMIT DRAWINGS
 BURRILLVILLE, RHODE ISLAND

DATE: 3/2/2018

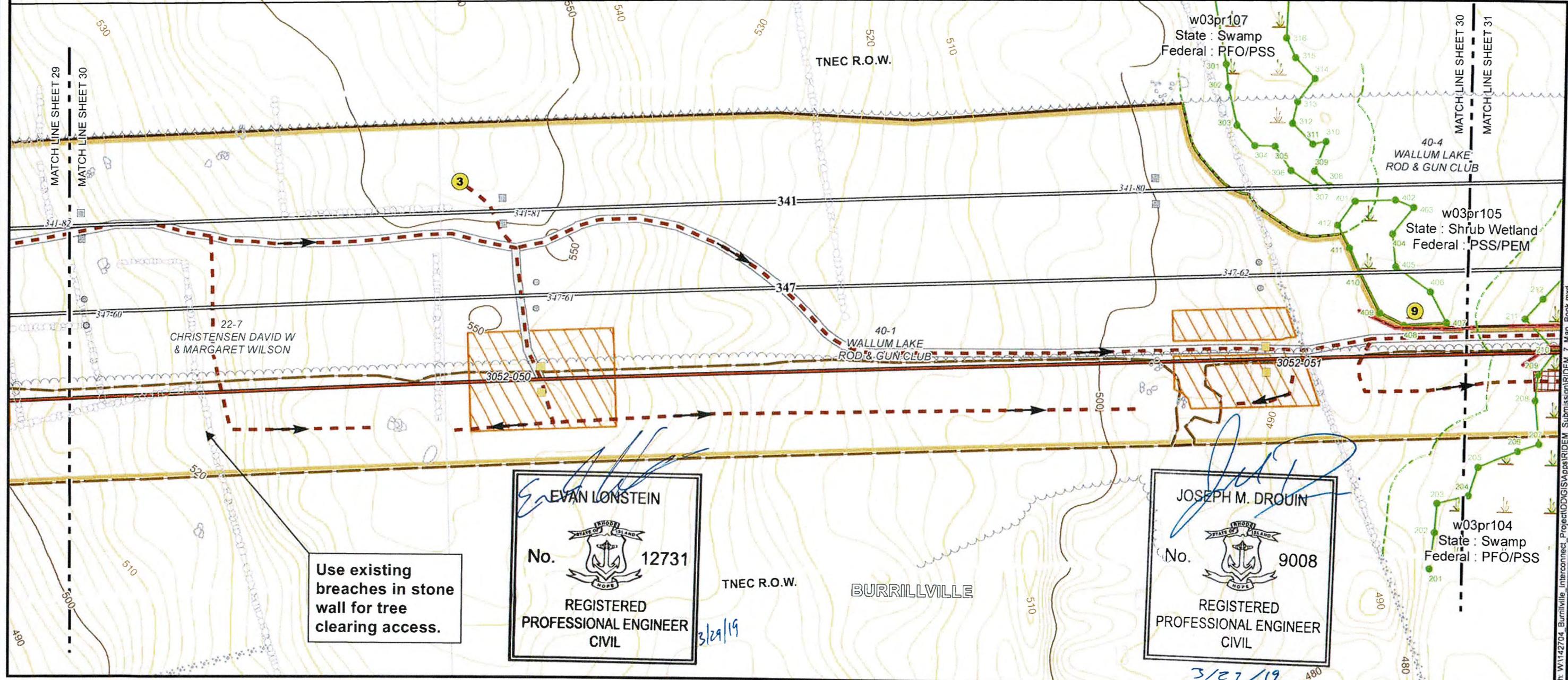
DRAWN: TDH

142704

FIGURE T-3

SHEET 29 OF 65

Path: W:\1142704_Burrillville_Interconnect_Project\DD\GIS\Apps\RIDEM_Submission\RIDEM_7_Map_Book.mxd

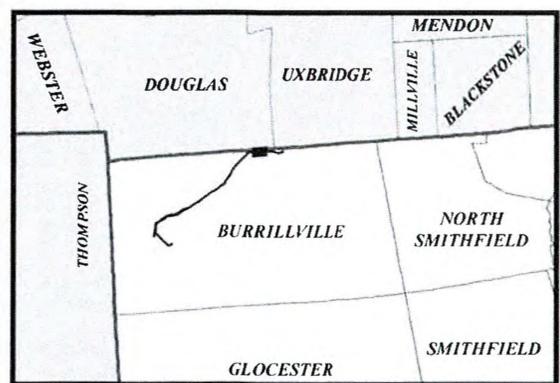


Use existing breaches in stone wall for tree clearing access.

EVAN LONSTEIN
 No. 12731
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/29/19

JOSEPH M. DROUIN
 No. 9008
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 3/27/19

Map Location



Existing Conditions

- Existing Steel Pole
- Existing Wood Pole
- Wood Distribution Pole
- Existing Transmission Line
- Natural Gas Pipeline
- AT&T Fiber Optic Line
- Existing Power Facility
- Existing Road
- Existing Right of Way
- Existing Culvert or Stream Ford
- Watercourse
- Area Subject to Storm Flowage (ASSF)
- 100' Riverbank Buffer
- 200' Riverbank Buffer
- Wetland Flag
- Field Delineated Wetland
- 50' Perimeter Wetland

Proposed

- Proposed or Reused Steel Pole
- Steel Pole to be Removed
- Proposed Wood Pole
- Wood Pole to be Removed
- Proposed 345 kV Transmission Line
- Replaced 345 kV Transmission Line
- Proposed Clear River Switching Station
- Proposed Culvert or Stream Ford
- Proposed New Right-of-Way
- Use Existing Access Road
- Improve Existing Road
- Construct New Access Road
- Avoidance Area

Proposed

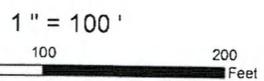
- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
- Tree Clearing Cluster Mat
- Wire Pulling Station
- Work Pad / Area
- Limit of Disturbance

- 1 Stabilized construction ingress/egress
- 2 Mud box / drill cutting box (see Erosion & Sediment Control General Notes)
- 3 Laydown or landing area
- 4 Stockpiling / staging area (see Erosion & Sediment Control General Notes)
- 5 Dewatering area (see Erosion & Sediment Control General Notes)
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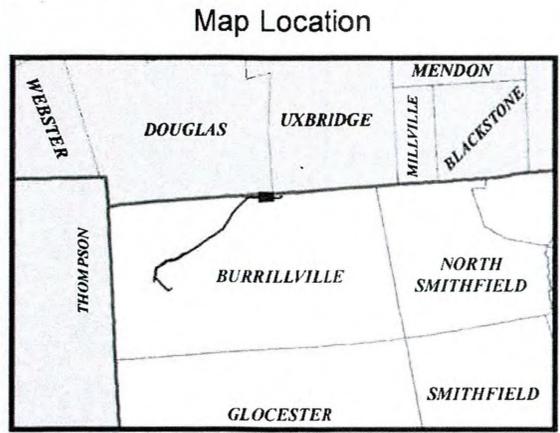
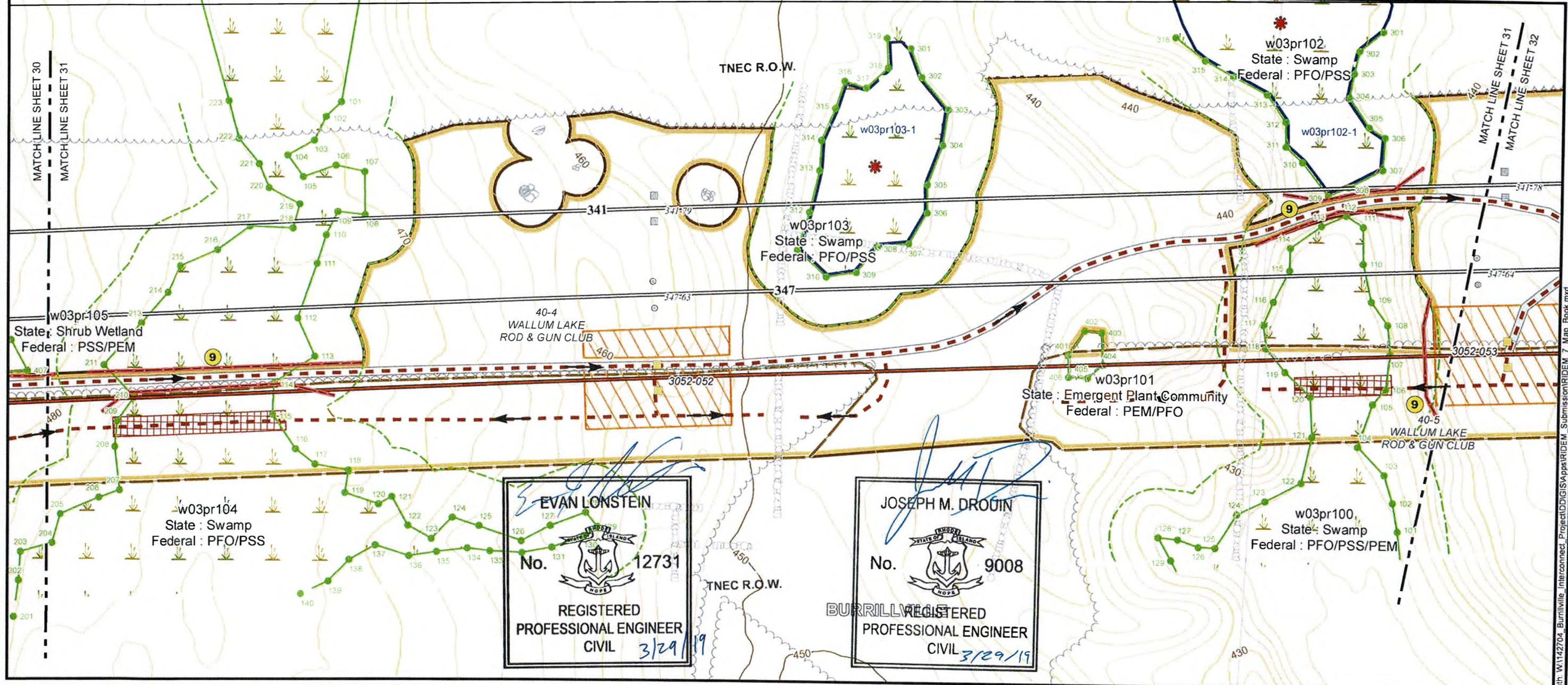
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Burrillville Interconnection Project The Narragansett Electric Co. & Clear River Energy, LLC		RIDEM and USACE Permit Drawings Burrillville, Rhode Island	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3
		SHEET 30 OF 65	

Path: W:\142704_Burrillville_Interconnect_Project\DDG\SWaps\RIDEM_7_Map_Book.mxd



- Existing Conditions**
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 - Wood Distribution Pole
 - Existing Transmission Line
 - Natural Gas Pipeline
 - AT&T Fiber Optic Line
 - Existing Power Facility
 - Existing Road
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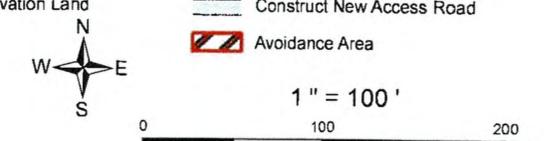
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 - Proposed Clear River Switching Station
 - Proposed Culvert or Stream Ford
 - Proposed New Right-of-Way
 - Use Existing Access Road
 - Improve Existing Road
 - Construct New Access Road
 - Avoidance Area

- Vernal Pool
- Vernal Pool Location
- Surveyed Floodplain
- FEMA Flood Hazard (DFIRM 100yr)
- Floodway
- Parcel Boundary
- Building
- Edge of Wooded Area
- Stone Feature
- Stone Grouping
- Stone Wall
- Major Index Contour (50' Interval)
- Index Contour (10' Interval)
- Contour (2' Interval)
- Protected Habitat
- Conservation Land

- Tree Clearing Access Route
- Perimeter Sediment Control
- Limit of Tree Clearing
- Swamp Mat (Construction)
- Geotextile with Fill
- Road Crossing Guard
- Swamp Mat (Tree Clearing)
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BURRILLVILLE INTERCONNECTION PROJECT THE NARRAGANSETT ELECTRIC CO. & CLEAR RIVER ENERGY, LLC		RIDEM AND USACE PERMIT DRAWINGS BURRILLVILLE, RHODE ISLAND	
DATE: 3/2/2018	DRAWN: TDH	142704	FIGURE T-3
		SHEET 31 OF 65	

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