

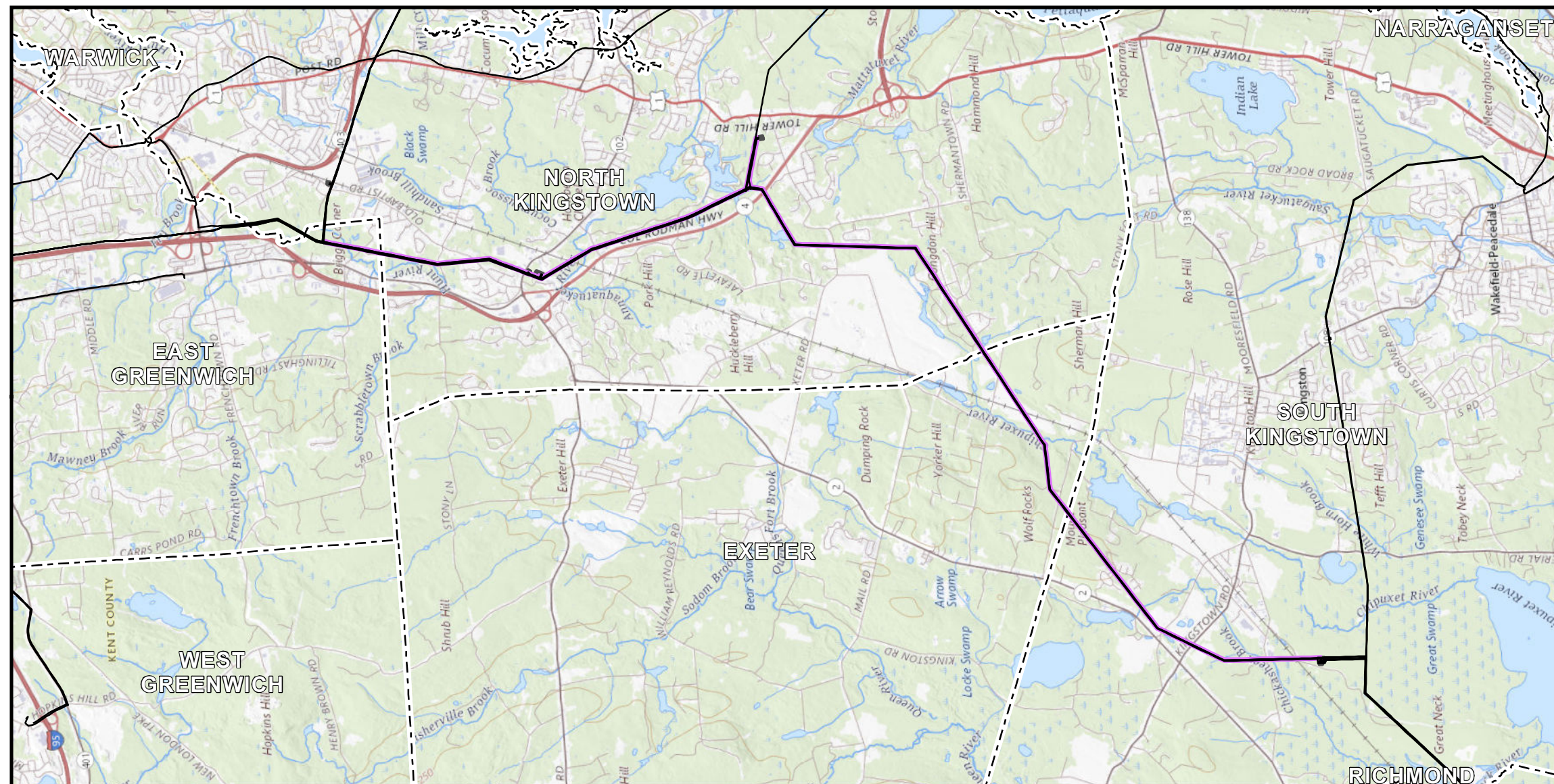


The Narragansett Electric Company

# L190 Asset Condition Refurbishment Project

East Greenwich, North Kingstown, Exeter, and South Kingstown, Rhode Island

## Volume II - Figures



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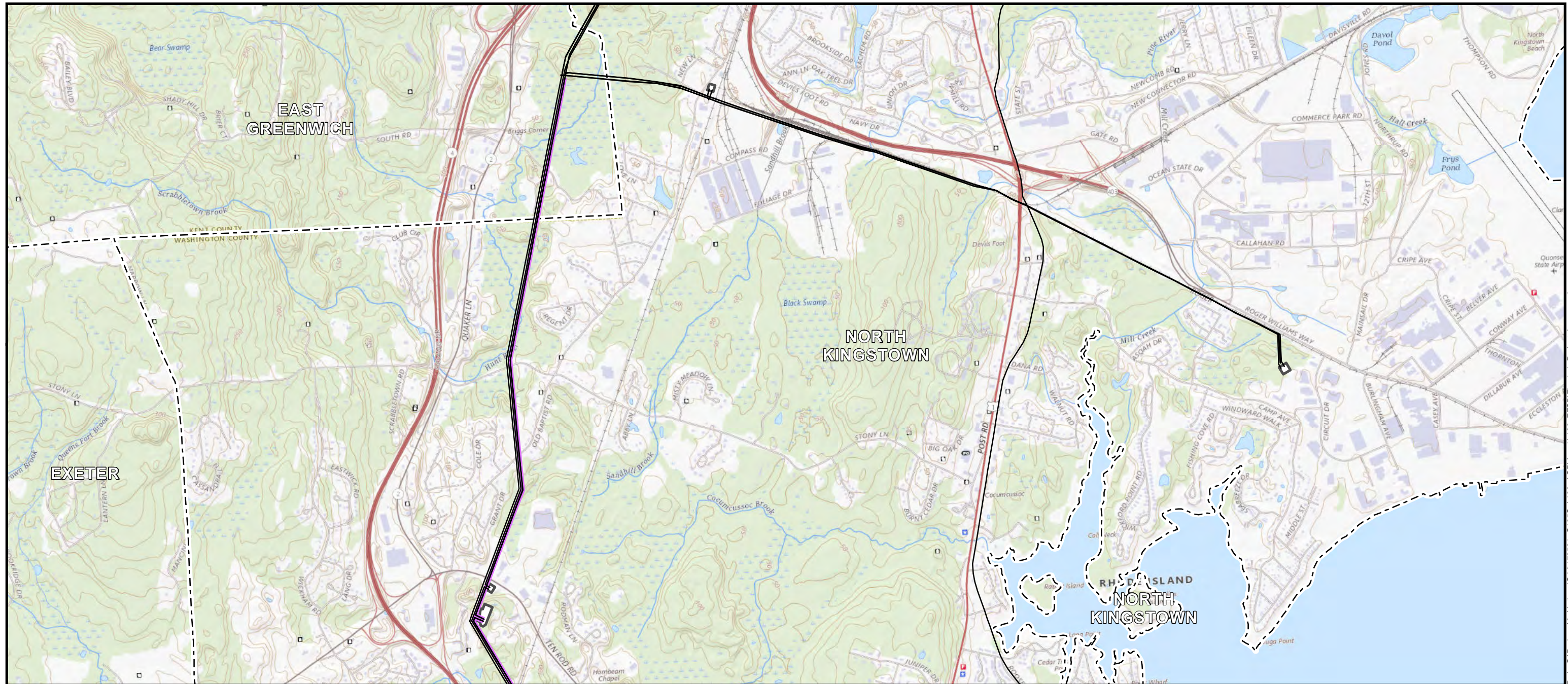
The Narragansett Electric Company  
280 Melrose Street  
Providence, RI 02907

Compiled By:

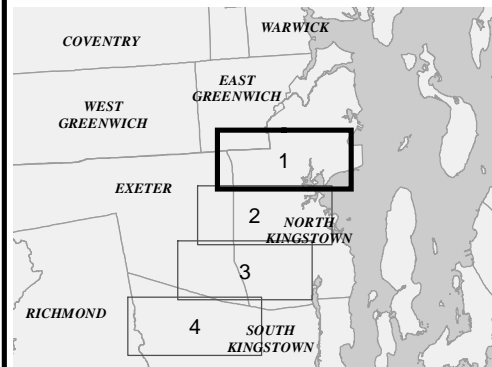
POWER Engineers, Inc  
2 Hampshire Street Suite 301  
Foxborough, MA 02035

June 2022

This document has been reviewed for Critical Energy Infrastructure Information (CEII). [June 2022]



**Project Vicinity**



**Legend**

- L190 Asset Condition Refurbishment Project
- Transmission Line
- Existing Power Facility
- Town Boundary

**L190 Asset Condition Refurbishment Project**

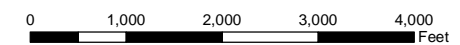
Figure 1-1 Project Overview Map Page 1 of 4

Town of East Greenwich and North Kingstown

State of Rhode Island:  
Kent and Washington Counties



NAD 1983 UTM Zone 18N USFt  
Foot US  
Transverse Mercator  
North American 1983



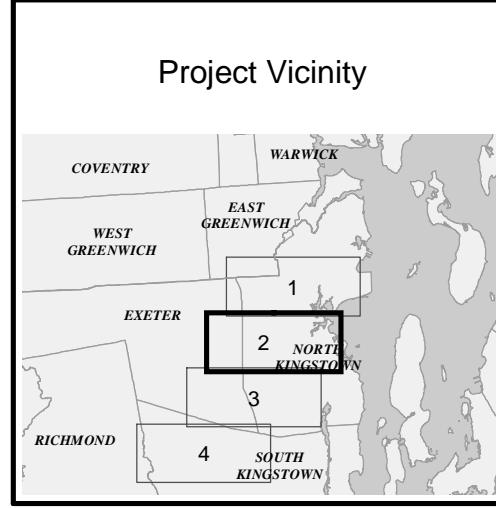
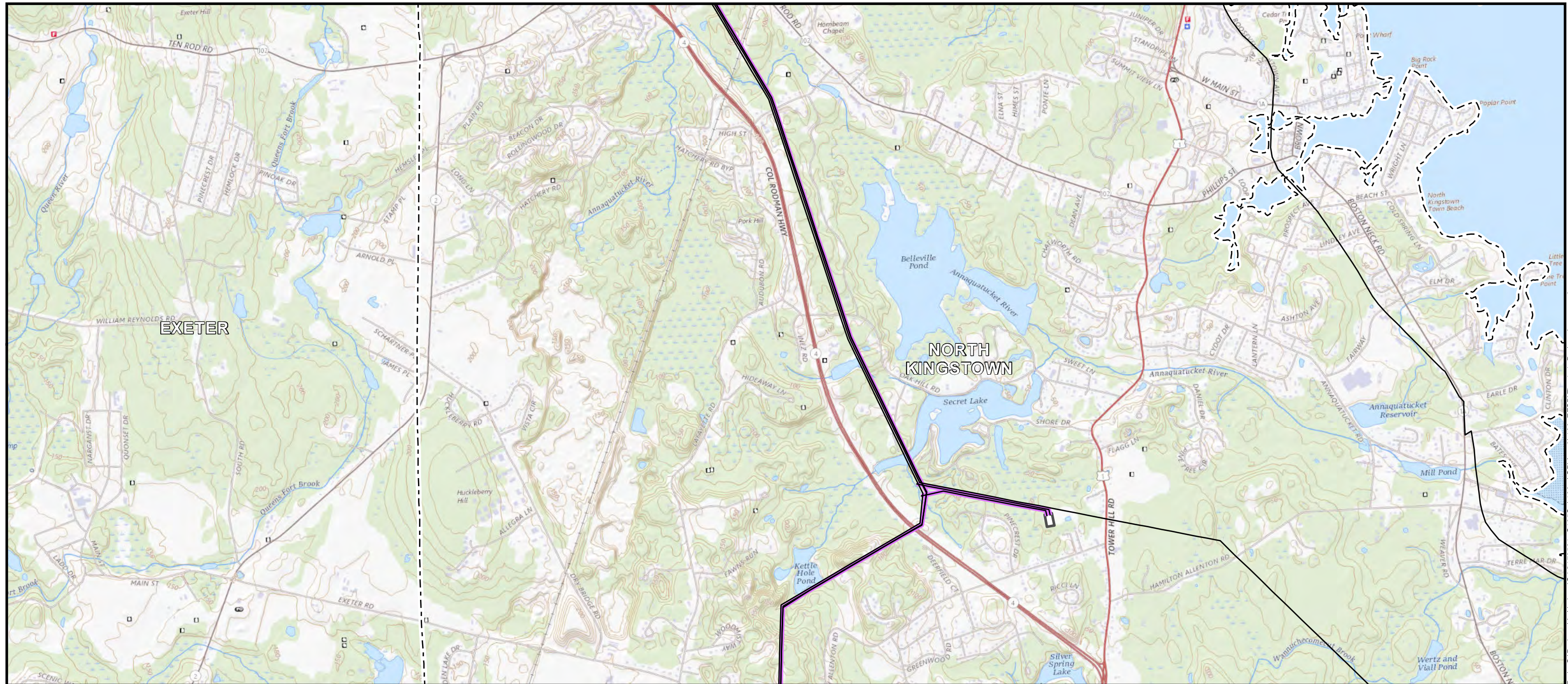
Date: June 2022

1" = 2,000'

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Electric Company

**NOT FOR  
CONSTRUCTION**

Author: TDH



- ### Legend
- L190 Asset Condition Refurbishment Project
  - Transmission Line
  - Existing Power Facility
  - Town Boundary

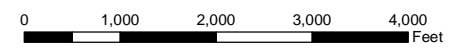
## L190 Asset Condition Refurbishment Project

Figure 1-1 Project Overview Map Page 2 of 4

Town of North Kingstown  
 State of Rhode Island:  
 Washington County



NAD 1983 UTM Zone 18N USFt  
 Foot US  
 Transverse Mercator  
 North American 1983

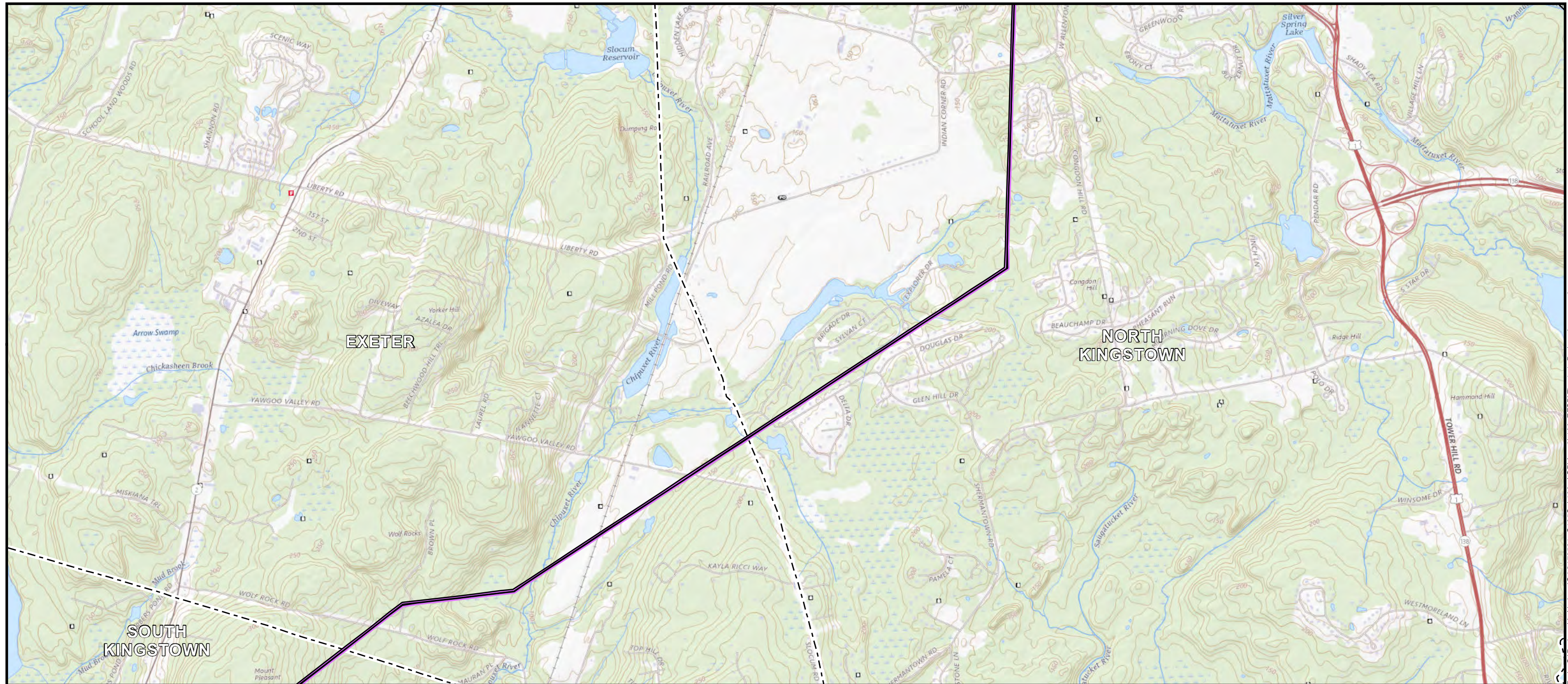


Date: June 2022

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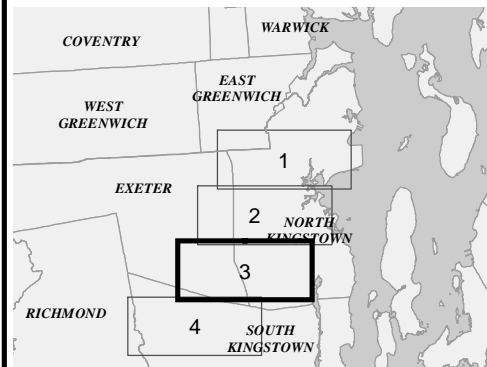
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 Electric Company  
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 CONSTRUCTION**

Author: TDH



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**Project Vicinity**



**Legend**

- L190 Asset Condition Refurbishment Project
- Transmission Line
- Town Boundary

**L190 Asset Condition Refurbishment Project**

Figure 1-1 Project Overview Map Page 3 of 4

Town of North Kingstown, Exeter, & South Kingstown

State of Rhode Island:  
Washington County

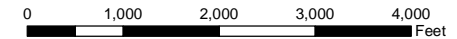


NAD 1983 UTM Zone 18N USFt  
Foot US  
Transverse Mercator  
North American 1983



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Electric Company

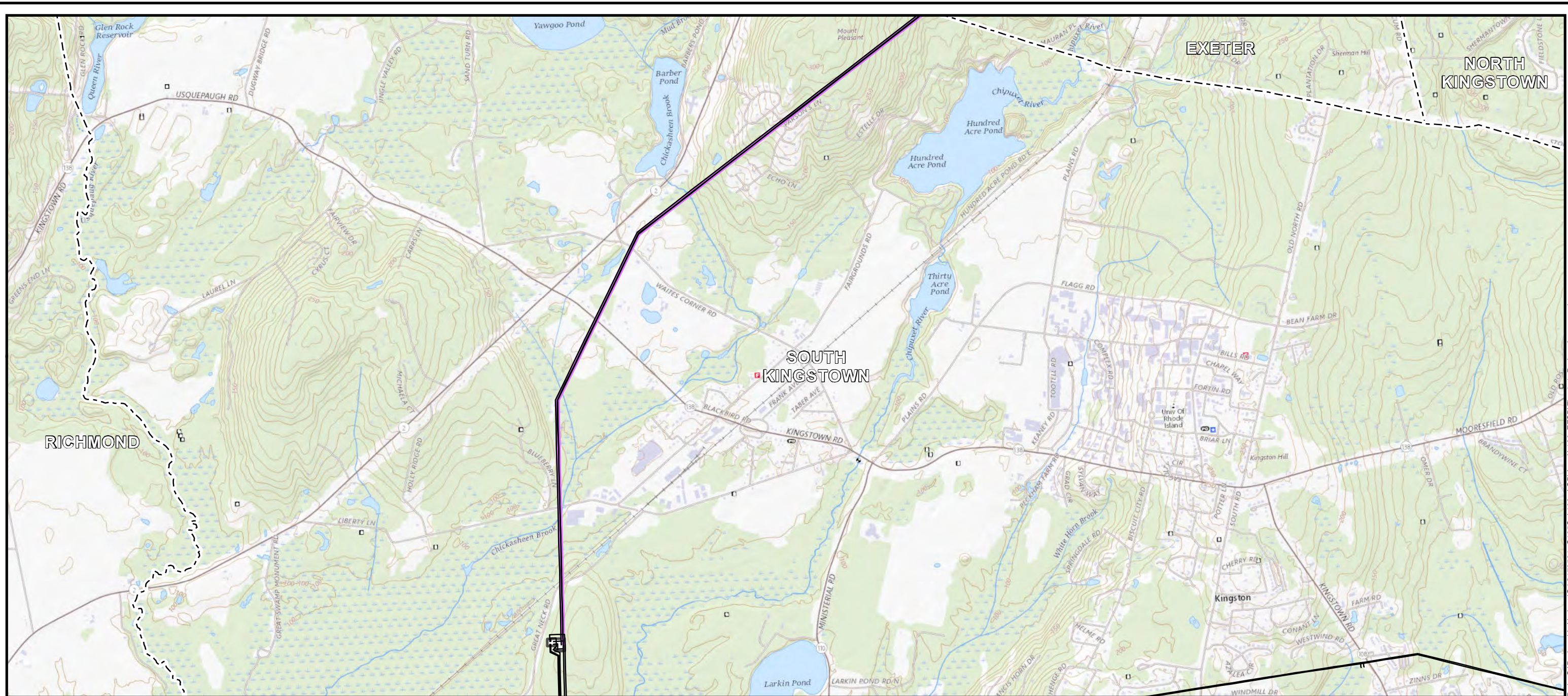
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Date: June 2022

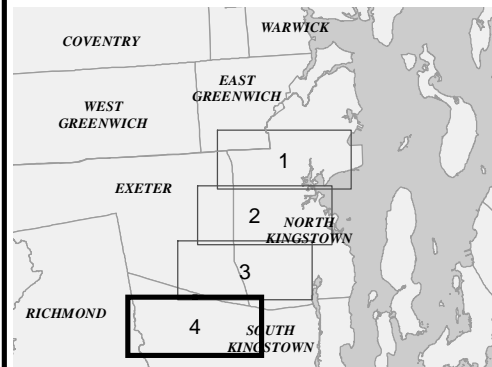
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Author: TDH



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**Project Vicinity**



**Legend**

- L190 Asset Condition Refurbishment Project
- Transmission Line
- Existing Power Facility
- Town Boundary

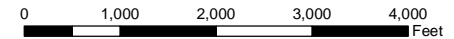
**L190 Asset Condition Refurbishment Project**

Figure 1-1 Project Overview Map Page 4 of 4

Town of South Kingstown  
State of Rhode Island:  
Washington County



NAD 1983 UTM Zone 18N USF1  
Foot US  
Transverse Mercator  
North American 1983

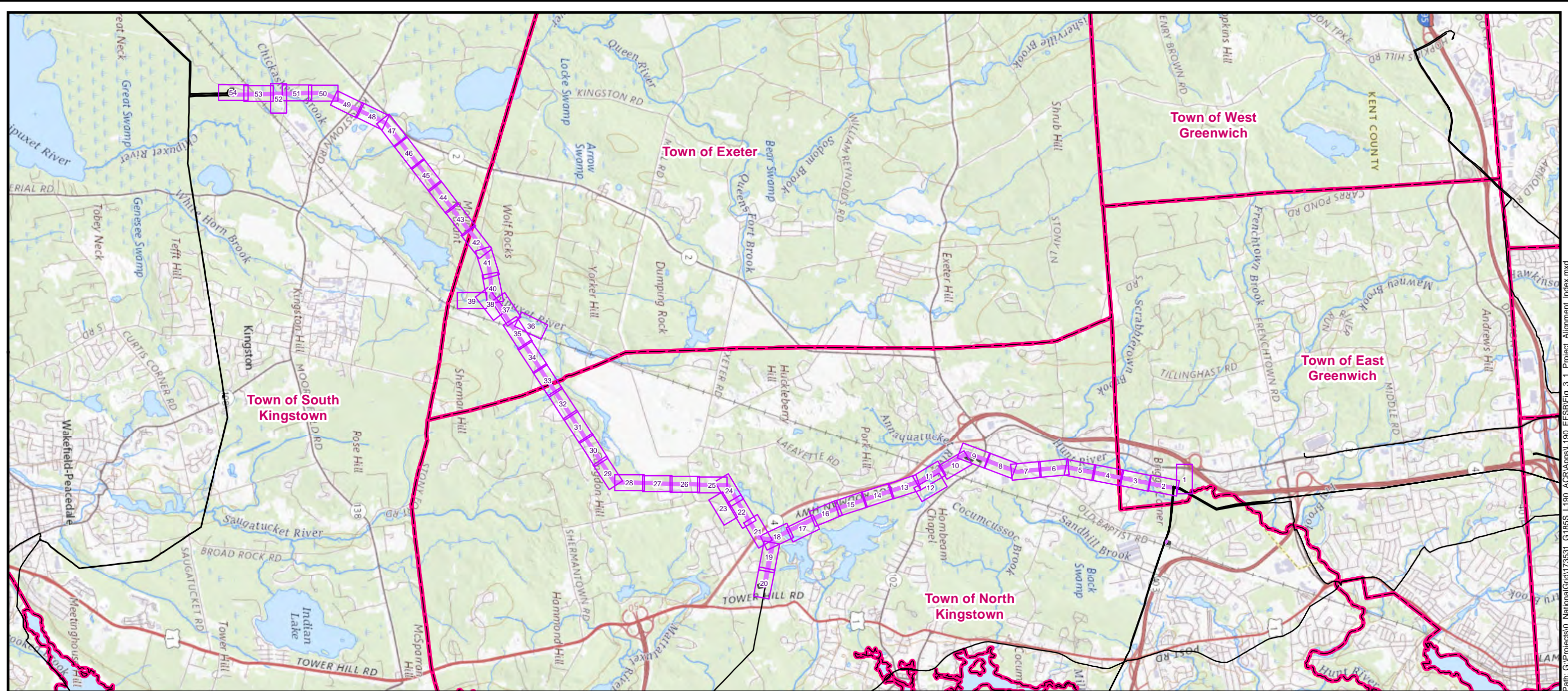


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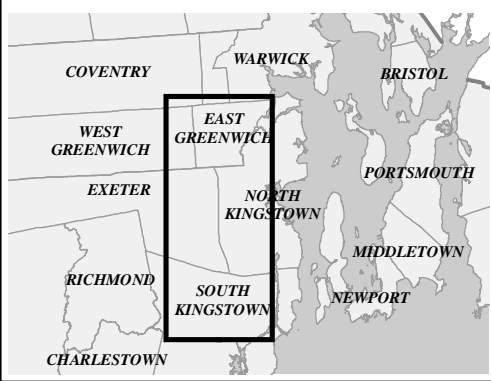
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Author: TDH



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**Project Vicinity**



**Legend**

- Page Boundary
- L190 Asset Condition Refurbishment Project
- Other Transmission Line
- Existing Power Facility
- Town Boundary

**L190 Asset Condition Refurbishment Project**

Figure 3-1 Project Alignment Drawings Index

Towns of East Greenwich, North Kingstown, Exeter, and South Kingstown

Kent and Washington Counties:  
State of Rhode Island



NAD 1983 UTM Zone 18N USFT  
Foot US  
Transverse Mercator  
North American 1983

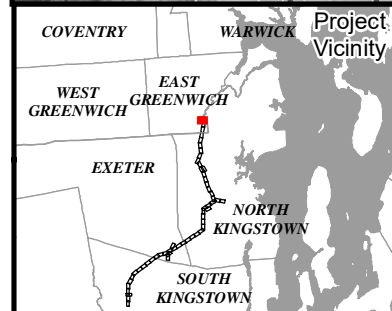


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Electric Company  
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Date: June 2022

1:63,360

Author: TDH



<ul style="list-style-type: none"> <li>Existing Structure</li> <li>Existing Transmission Line</li> <li>Existing Access - No Improvements</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> </ul>	<ul style="list-style-type: none"> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>State Highway</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Town Boundary</li> </ul>	<ul style="list-style-type: none"> <li>Access Gate</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> </ul>	<ul style="list-style-type: none"> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> <li>State Conservation Area *</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 1 of 54

State of Rhode Island, Washington and Kent Counties  
Towns of North Kingstown and East Greenwich

Date: June 2022

**NOT FOR CONSTRUCTION**

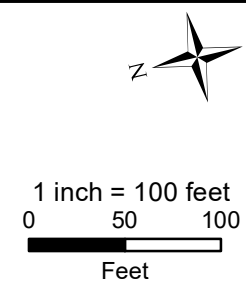
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> </ul>	<ul style="list-style-type: none"> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Overland Access (Drive and Crush)</li> <li>Work Envelope (Mow Only)*</li> <li>Pull Pad Work Envelope (Grading)</li> <li>Construction Matting</li> <li>National Grid Owned Land</li> </ul>	<ul style="list-style-type: none"> <li>Existing Right of Way</li> <li>Parcel Boundary</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> </ul>	<ul style="list-style-type: none"> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 2 of 54

State of Rhode Island, Kent County  
Town of East Greenwich

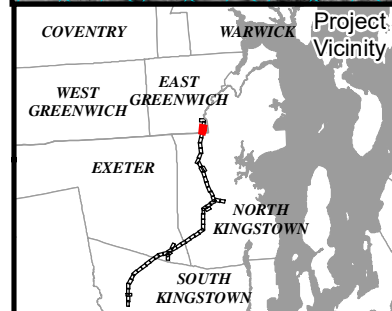
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020  
\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Existing Access - No Improvements</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Construction Matting</li> <li>Landscape Matting</li> <li>National Grid Owned Land</li> </ul>	<ul style="list-style-type: none"> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> <li>Riverbank Area</li> </ul>	<ul style="list-style-type: none"> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 3 of 54

State of Rhode Island, Kent County  
Town of East Greenwich

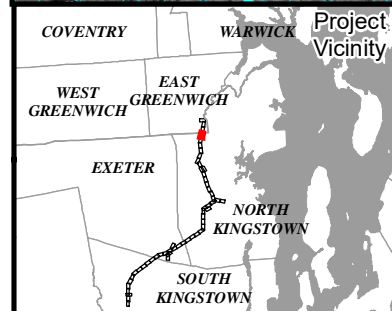
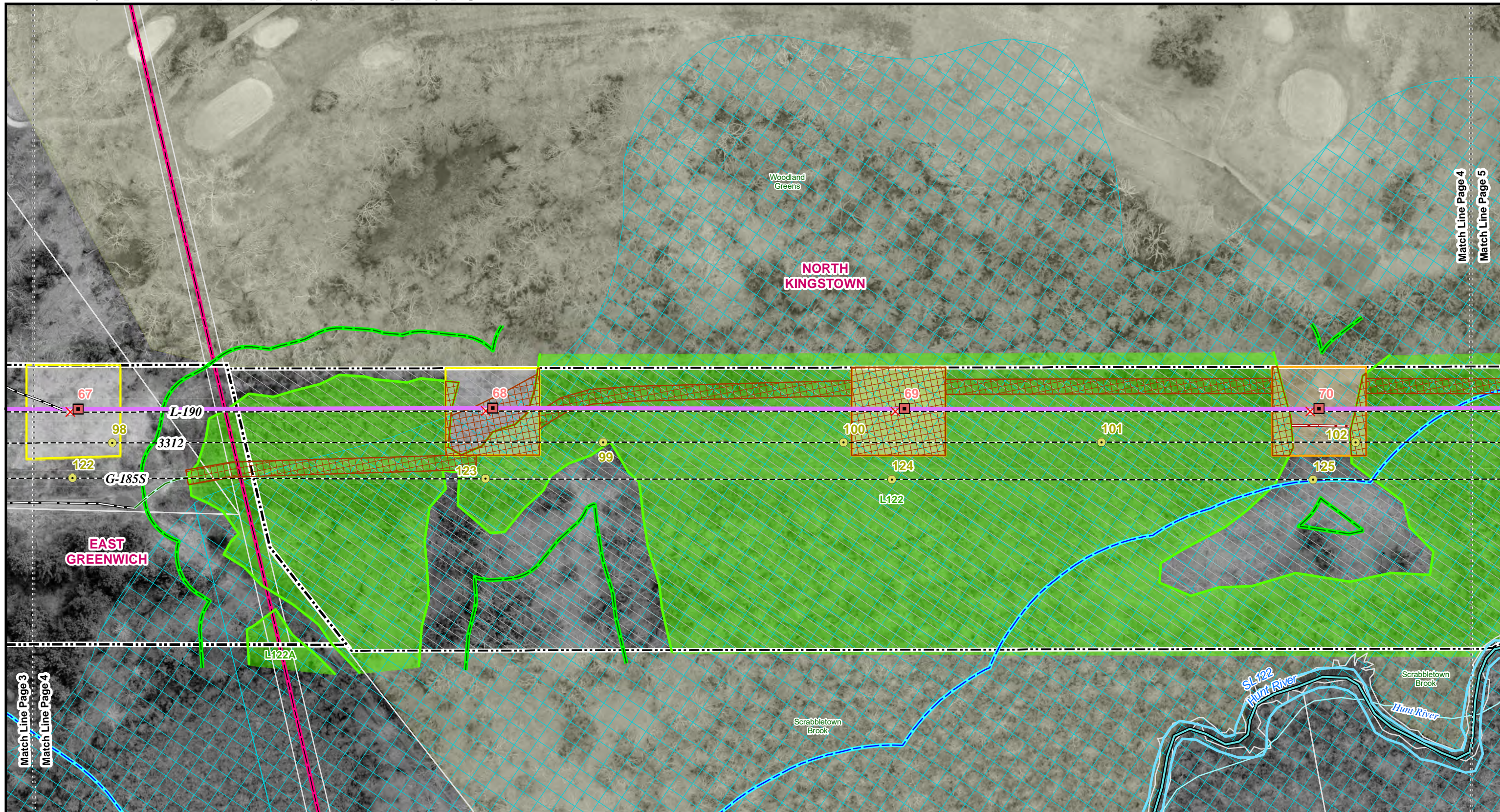
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**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> </ul>	<ul style="list-style-type: none"> <li>Type R: Repair within Existing Road Base</li> <li>Overland Access (Drive and Crush)</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Construction Matting</li> <li>National Grid Owned Land</li> </ul>	<ul style="list-style-type: none"> <li>Existing Right of Way</li> <li>Parcel Boundary</li> <li>Town Boundary</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> <li>Riverbank Area</li> </ul>	<ul style="list-style-type: none"> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 4 of 54

State of Rhode Island, Kent and Washington Counties  
Towns of East Greenwich and North Kingstown

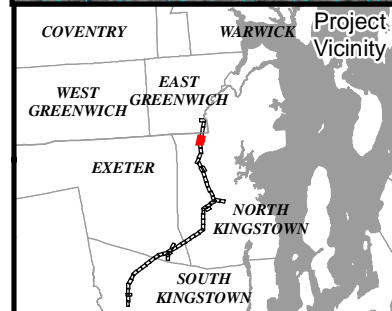
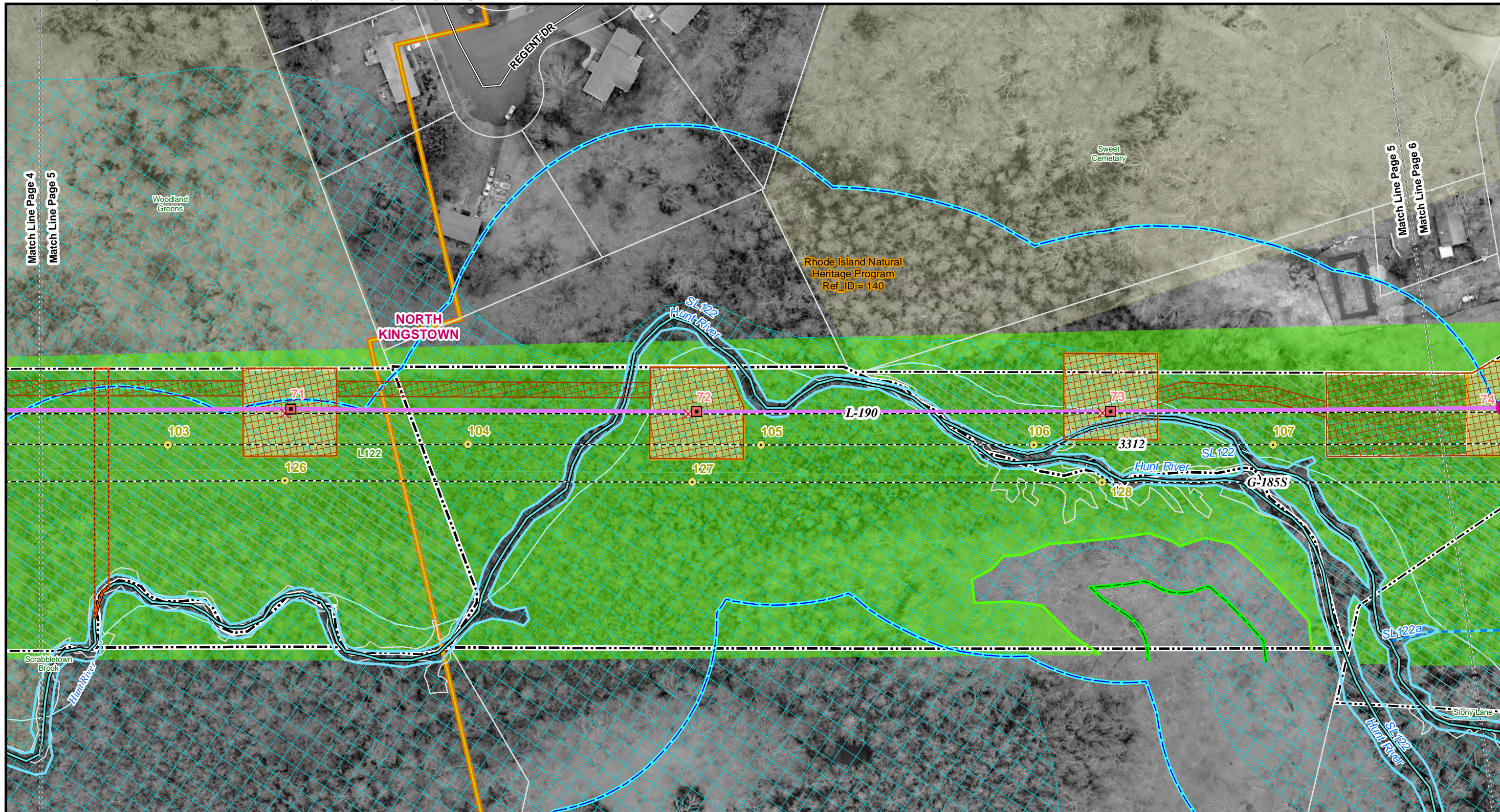
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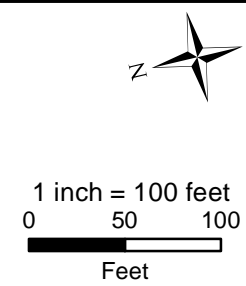
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Work Envelope (Mow Only)*</li> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Construction Matting</li> <li>UG Utility 15' Strip</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Local Road</li> </ul>	<ul style="list-style-type: none"> <li>Parcel Boundary</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Intermittent Stream</li> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> </ul>	<ul style="list-style-type: none"> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

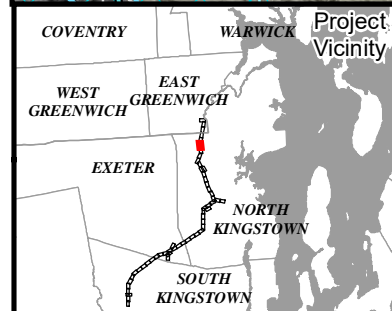
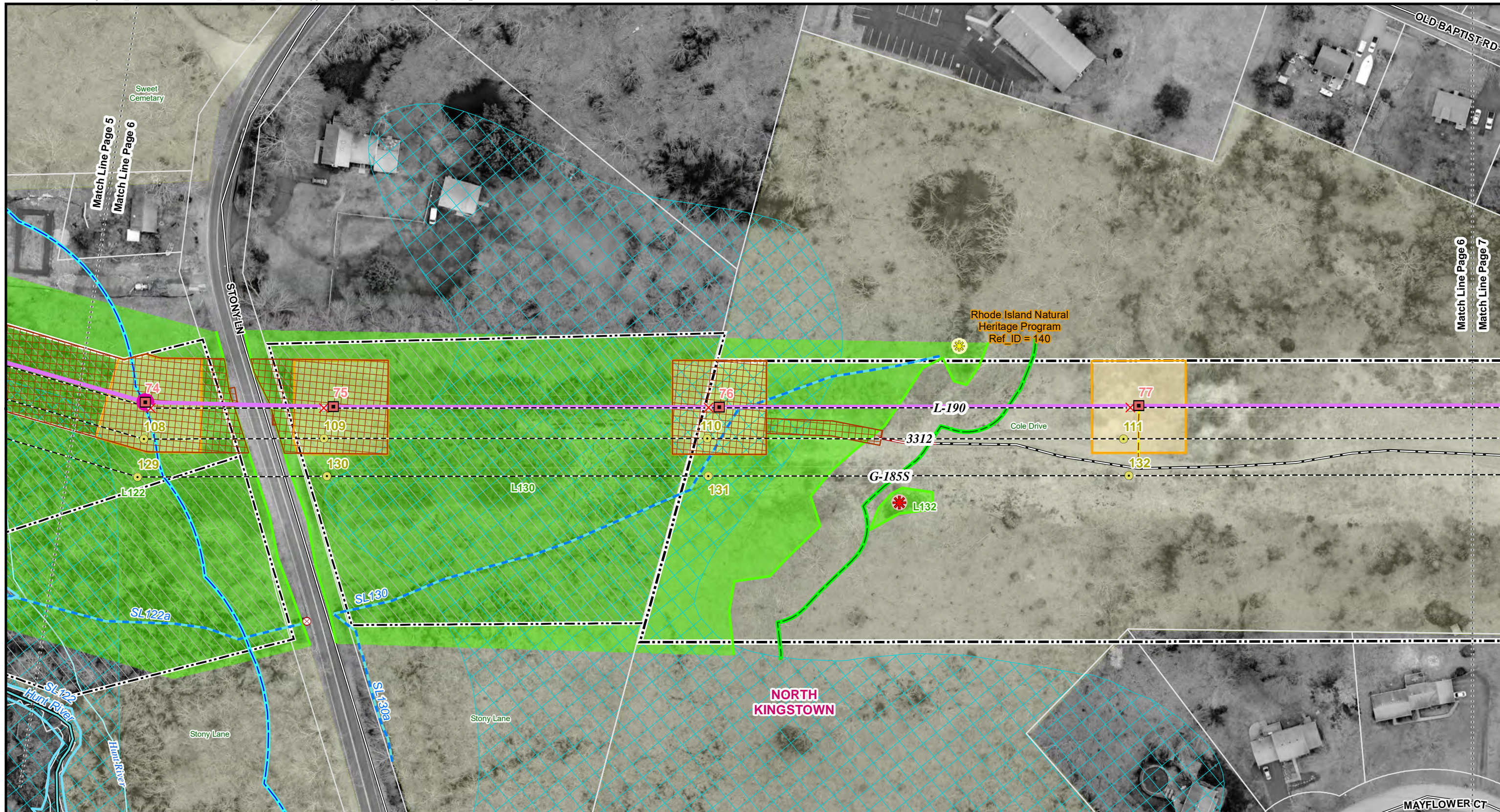
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> <li>Work Envelope (Mow Only)*</li> <li>Pull Pad Work Envelope (Mow Only)</li> </ul>	<ul style="list-style-type: none"> <li>Construction Matting</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Vernal Pool (Field Identified)</li> <li>Potential Vernal Pool (Field Identified)</li> </ul>	<ul style="list-style-type: none"> <li>Existing Culvert</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Intermittent Stream</li> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> </ul>	<ul style="list-style-type: none"> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

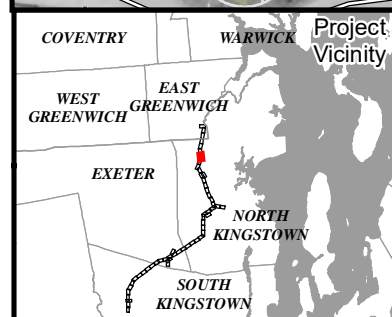
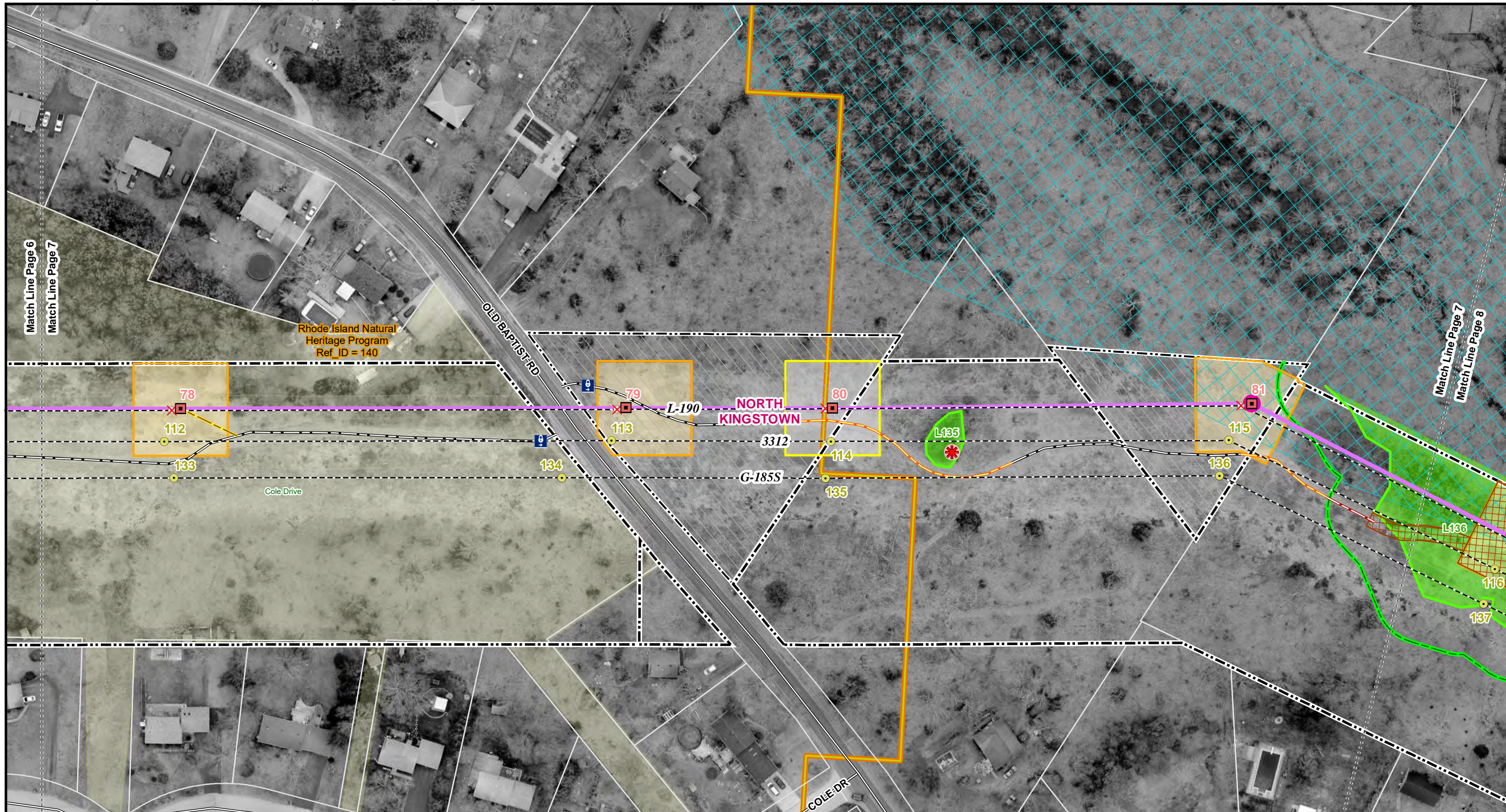
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> </ul>	<ul style="list-style-type: none"> <li>Work Envelope with Minor Grading*</li> <li>Construction Matting</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Vernal Pool (Field Identified)</li> </ul>	<ul style="list-style-type: none"> <li>Access Gate</li> <li>Wetland Border</li> <li>50 ft Perimeter Wetland</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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### L190 ASSET CONDITION REFURBISHMENT PROJECT

Figure 3-1 Project Alignment Drawings  
Page 7 of 54

State of Rhode Island, Washington County  
Town of North Kingstown

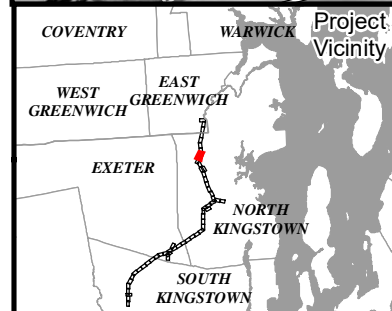
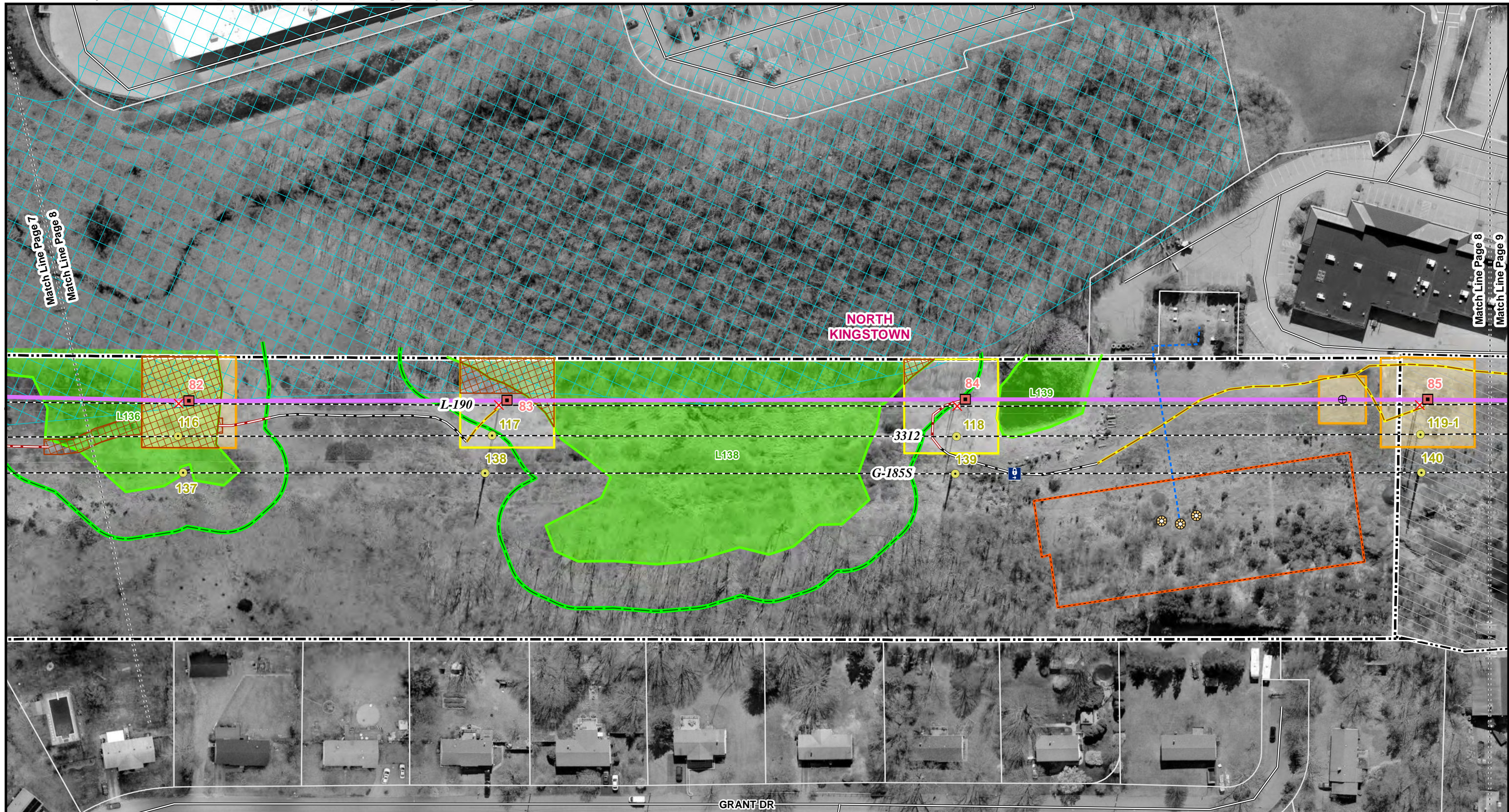
Date: June 2022

**NOT FOR CONSTRUCTION**

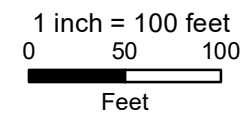
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Underground Water Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> </ul>	<ul style="list-style-type: none"> <li>Construction Matting</li> <li>Septic System (Flow Diffusers)</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Man Hole</li> </ul>	<ul style="list-style-type: none"> <li>Access Gate</li> <li>Wetland Border</li> <li>50 ft Perimeter Wetland</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

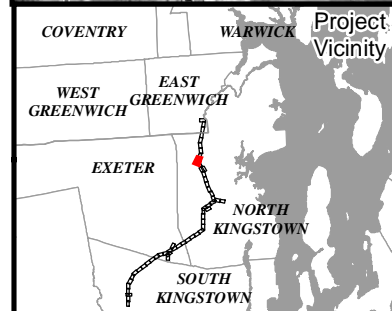
**Figure 3-1 Project Alignment Drawings**  
Page 8 of 54

State of Rhode Island, Washington County  
Town of North Kingstown

Date: June 2022 **NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020  
\*Indicates Layers Set to Transparency

The Narragansett Electric Company  
**POWER ENGINEERS**



<ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Existing Structure</li> <li><span style="color: red;">✗</span> To Be Removed</li> <li><span style="color: red;">■</span> Remove/Install Structure</li> <li><span style="color: purple;">—</span> L190 Asset Condition Refurbishment Project</li> <li><span style="color: black;">---</span> Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: yellow;">—</span> Existing Access - No Improvements</li> <li><span style="color: orange;">—</span> Type 1: New or upgrade to 16-foot Wide Access Road</li> <li><span style="background-color: yellow; border: 1px solid black;"> </span> Work Envelope (Mow Only)*</li> <li><span style="background-color: lightyellow; border: 1px solid black;"> </span> Work Envelope with Minor Grading*</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px dashed blue; display: inline-block; width: 15px; height: 10px;"></span> Pull Pad Work Envelope (Mow Only)</li> <li><span style="border: 1px dashed yellow; display: inline-block; width: 15px; height: 10px;"></span> Pull Pad Work Envelope (Grading)</li> <li><span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Substation or Switching Station</li> <li><span style="border: 1px dashed black; display: inline-block; width: 15px; height: 10px;"></span> National Grid Owned Land</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px dashed black; display: inline-block; width: 15px; height: 10px;"></span> Existing Right of Way</li> <li><span style="border-bottom: 2px solid black; display: inline-block; width: 15px;"></span> State Highway</li> <li><span style="border-bottom: 1px solid black; display: inline-block; width: 15px;"></span> Local Road</li> <li><span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Parcel Boundary</li> <li><span style="background-color: orange; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Natural Heritage Area</li> <li><span style="border-top: 1px dashed black; display: inline-block; width: 15px;"></span> Map Sheet Matchline</li> </ul>
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1 inch = 100 feet  
0 50 100  
Feet

**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

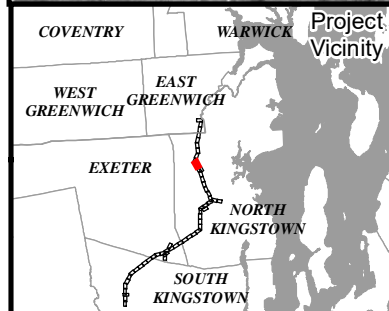
Date: June 2022

NOT FOR CONSTRUCTION

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Orange Barrier Fencing</li> </ul>	<ul style="list-style-type: none"> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Substation or Switching Station</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> </ul>	<ul style="list-style-type: none"> <li>Local Road</li> <li>Railroad</li> <li>Parcel Boundary</li> <li>Natural Heritage Area</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

Date: June 2022

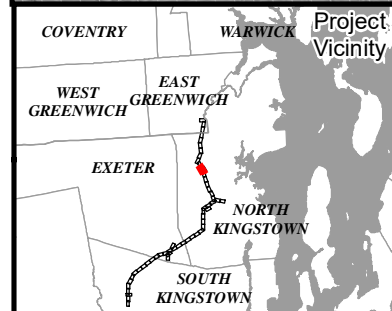
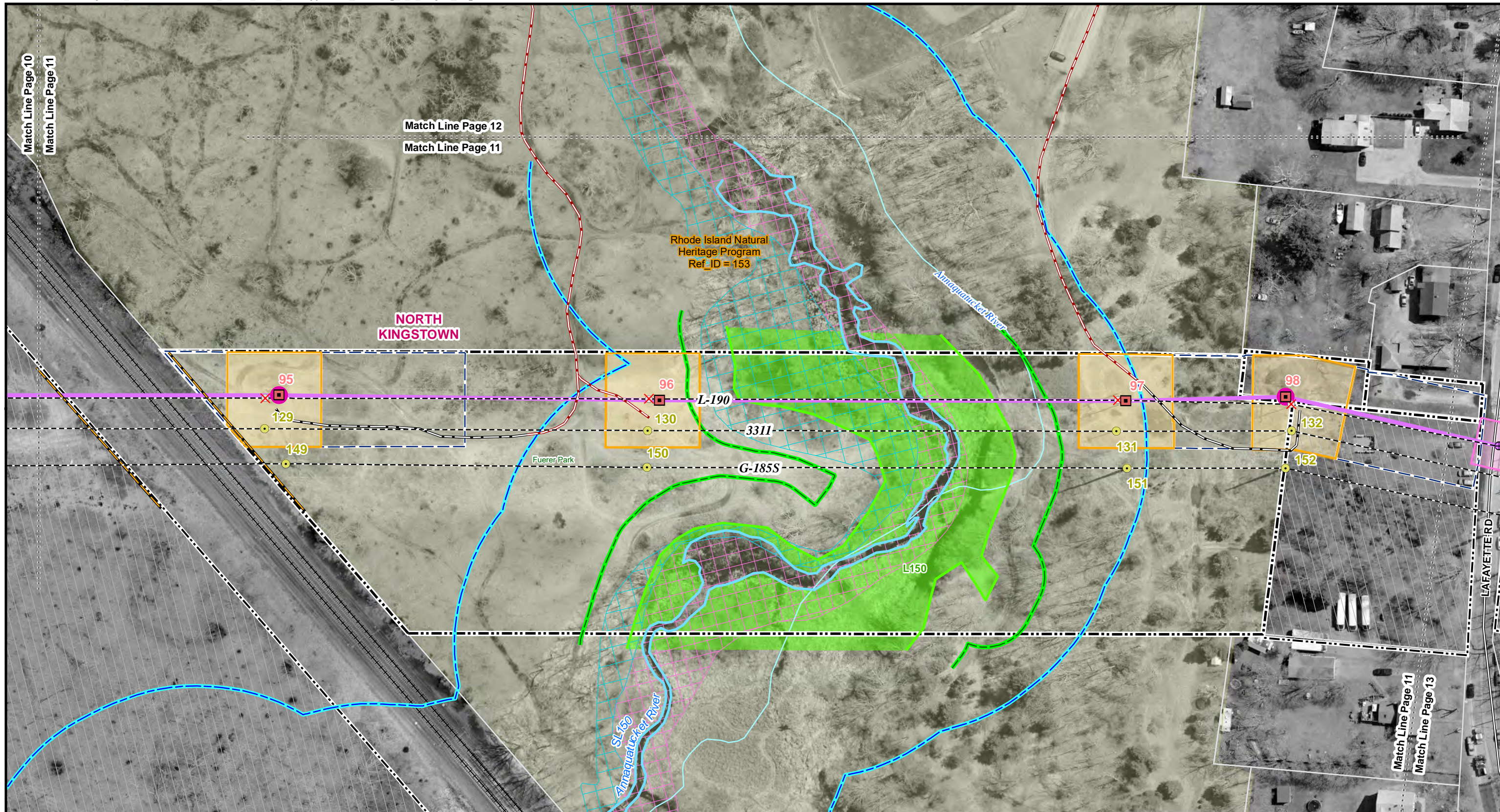
**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Orange Barrier Fencing</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope - Public Roadway</li> </ul>	<ul style="list-style-type: none"> <li>Pull Pad Work Envelope (Mow Only)</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Railroad</li> <li>Parcel Boundary</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> </ul>	<ul style="list-style-type: none"> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>FEMA - Floodway*</li> <li>Natural Heritage Area</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

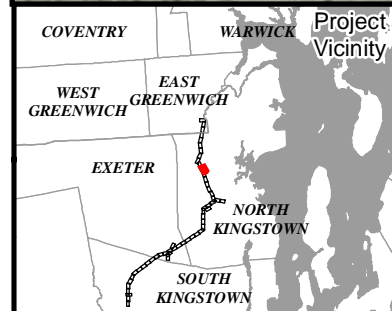
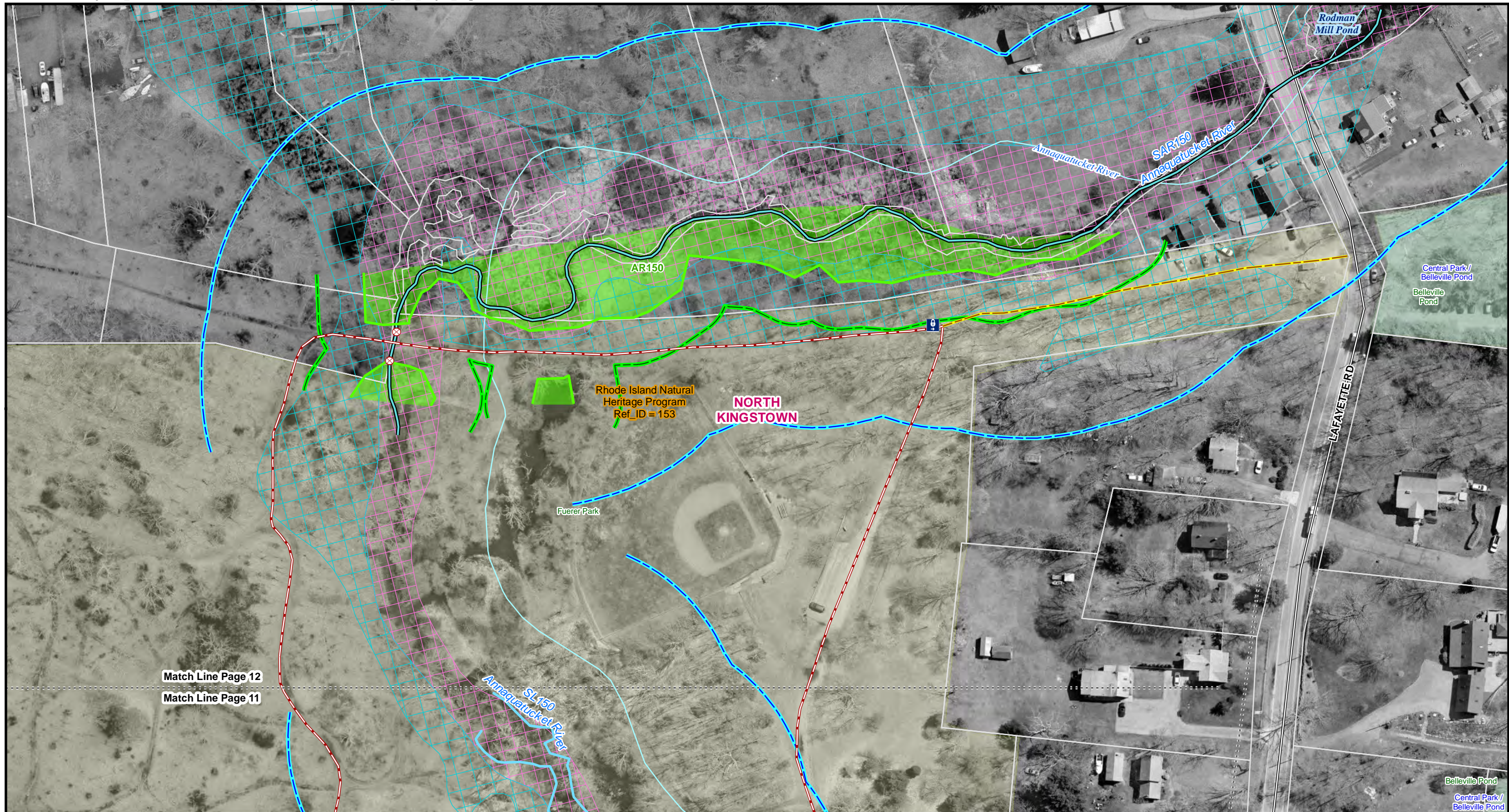
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

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Existing Access - No Improvements	Access Gate	Perennial Stream (NHD)	Local Conservation Area *
Type R: Repair within Existing Road Base	Perennial Stream or River	Field Delineated Wetland*	Map Sheet Matchline
Local Road	Mean Annual High Water Line	FEMA - 100 Year Floodplain*	
Parcel Boundary	Wetland Border	FEMA - Floodway*	
Existing Culvert	Riverbank Area	Natural Heritage Area	
	50 ft Perimeter Wetland	State Conservation Area *	

**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

Date: June 2022

**NOT FOR CONSTRUCTION**

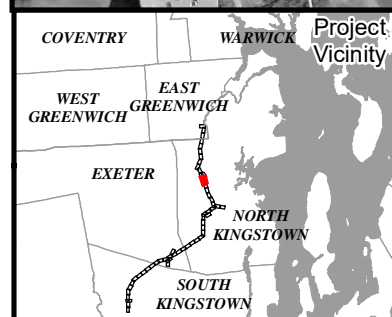
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\*Indicates Layers Set to Transparency

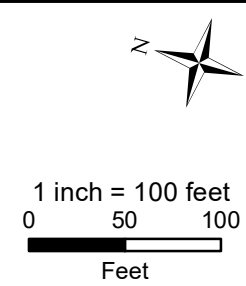
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VERIZON UNDERGROUND TELECOMMUNICATIONS CABLES PRESENT IN THE VICINITY OF STRUCTURE 153. CELLULAR ANTENNAS ON STRUCTURE 153.



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Existing Access - No Improvements</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Work Envelope - Public Roadway</li> </ul>	<ul style="list-style-type: none"> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Construction Matting</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>State Highway</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Access Gate</li> </ul>	<ul style="list-style-type: none"> <li>Area Subject to Storm Flowage (ASSF)</li> <li>Wetland Border</li> <li>50 ft Perimeter Wetland</li> <li>Field Delineated Wetland*</li> <li>Natural Heritage Area</li> <li>State Conservation Area *</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

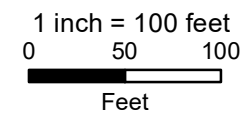
Date: June 2022 **NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020  
\*Indicates Layers Set to Transparency

The Narragansett Electric Company  
**POWER ENGINEERS**



<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Existing Access - No Improvements</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Construction Matting</li> <li>National Grid Owned Land</li> </ul>	<ul style="list-style-type: none"> <li>State Highway</li> <li>Parcel Boundary</li> <li>Vernal Pool (Field Identified)</li> <li>Wetland Border</li> <li>Field Delineated Wetland*</li> <li>Natural Heritage Area</li> </ul>	<ul style="list-style-type: none"> <li>State Conservation Area *</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

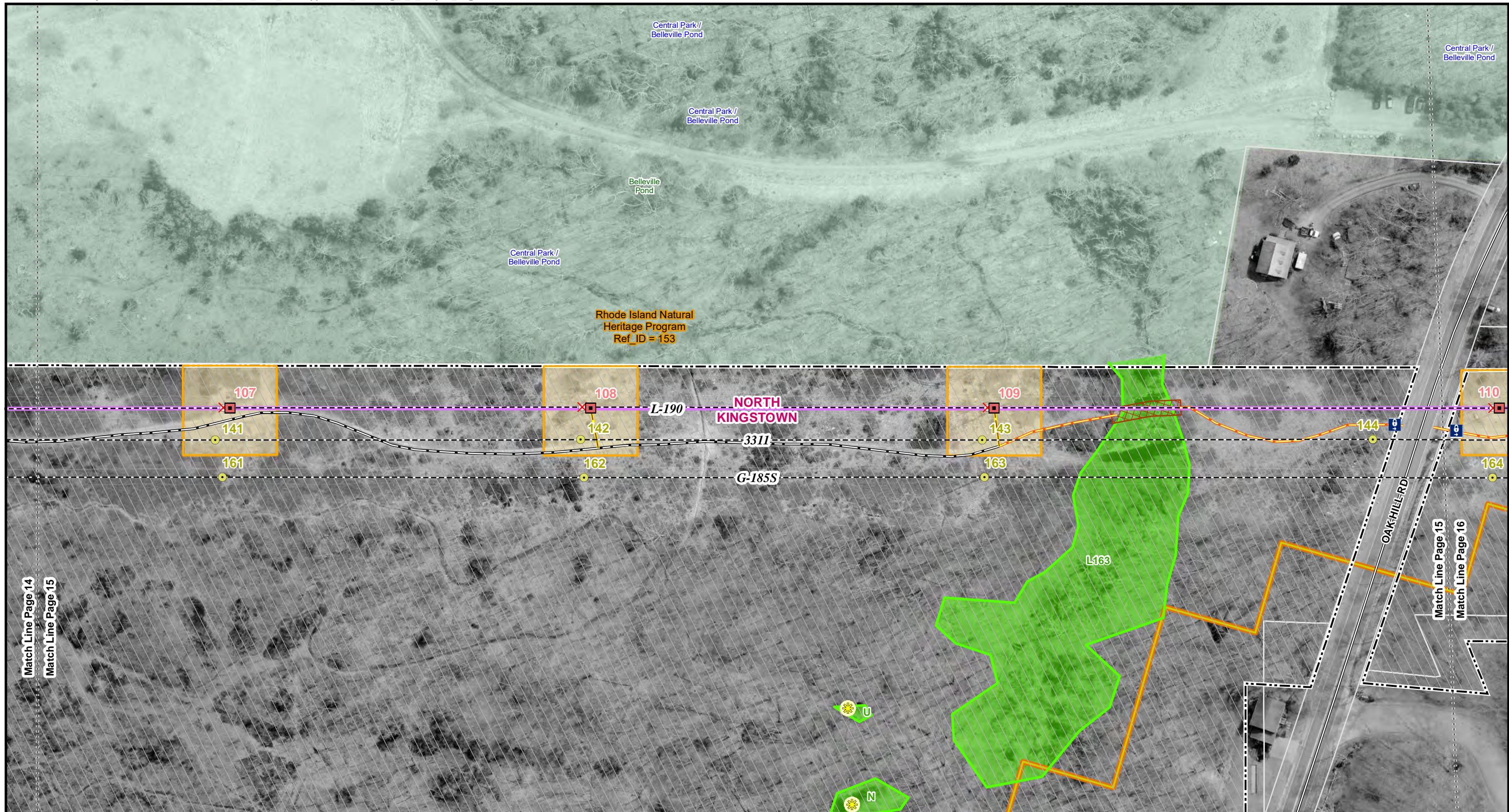
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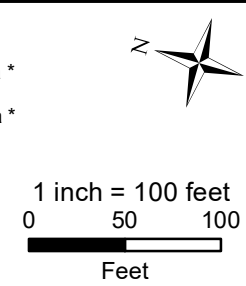
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Existing Access - No Improvements</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Construction Matting</li> <li>National Grid Owned Land</li> </ul>	<ul style="list-style-type: none"> <li>Local Road</li> <li>Parcel Boundary</li> <li>Potential Vernal Pool (Field Identified)</li> <li>Access Gate</li> <li>Wetland Border</li> <li>Field Delineated Wetland*</li> </ul>	<ul style="list-style-type: none"> <li>Natural Heritage Area</li> <li>State Conservation Area *</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

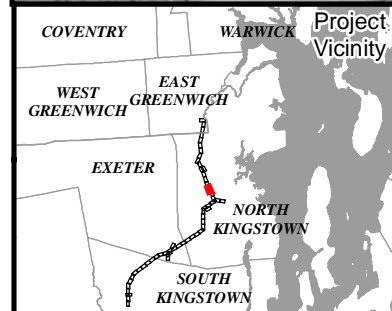
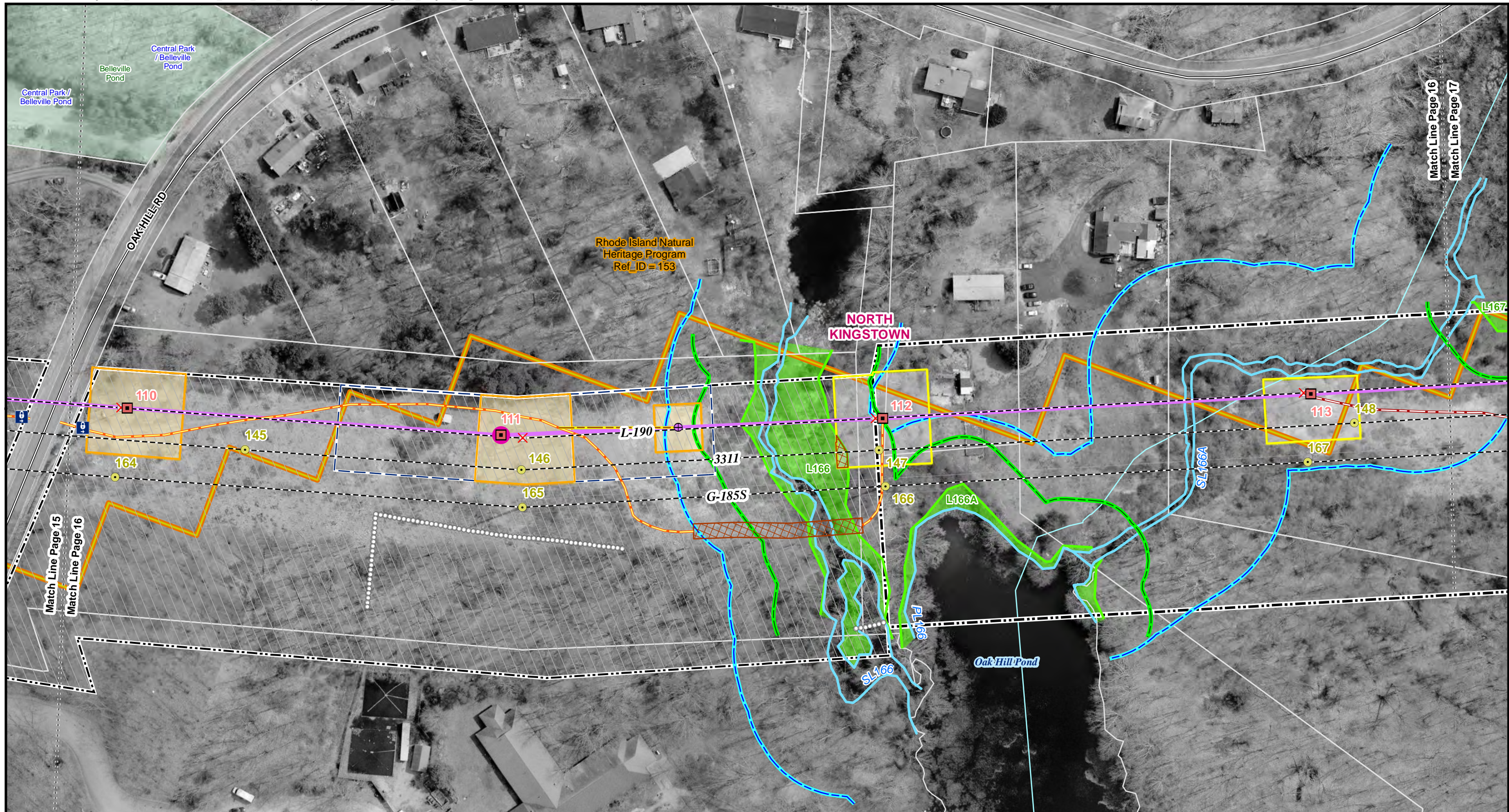
Date: June 2022

**NOT FOR CONSTRUCTION**

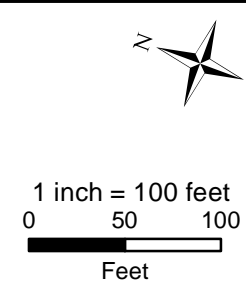
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Construction Matting</li> </ul>	<ul style="list-style-type: none"> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Stone Wall</li> <li>Access Gate</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> </ul>	<ul style="list-style-type: none"> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>Natural Heritage Area</li> <li>State Conservation Area *</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

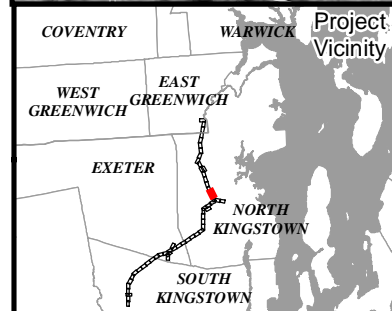
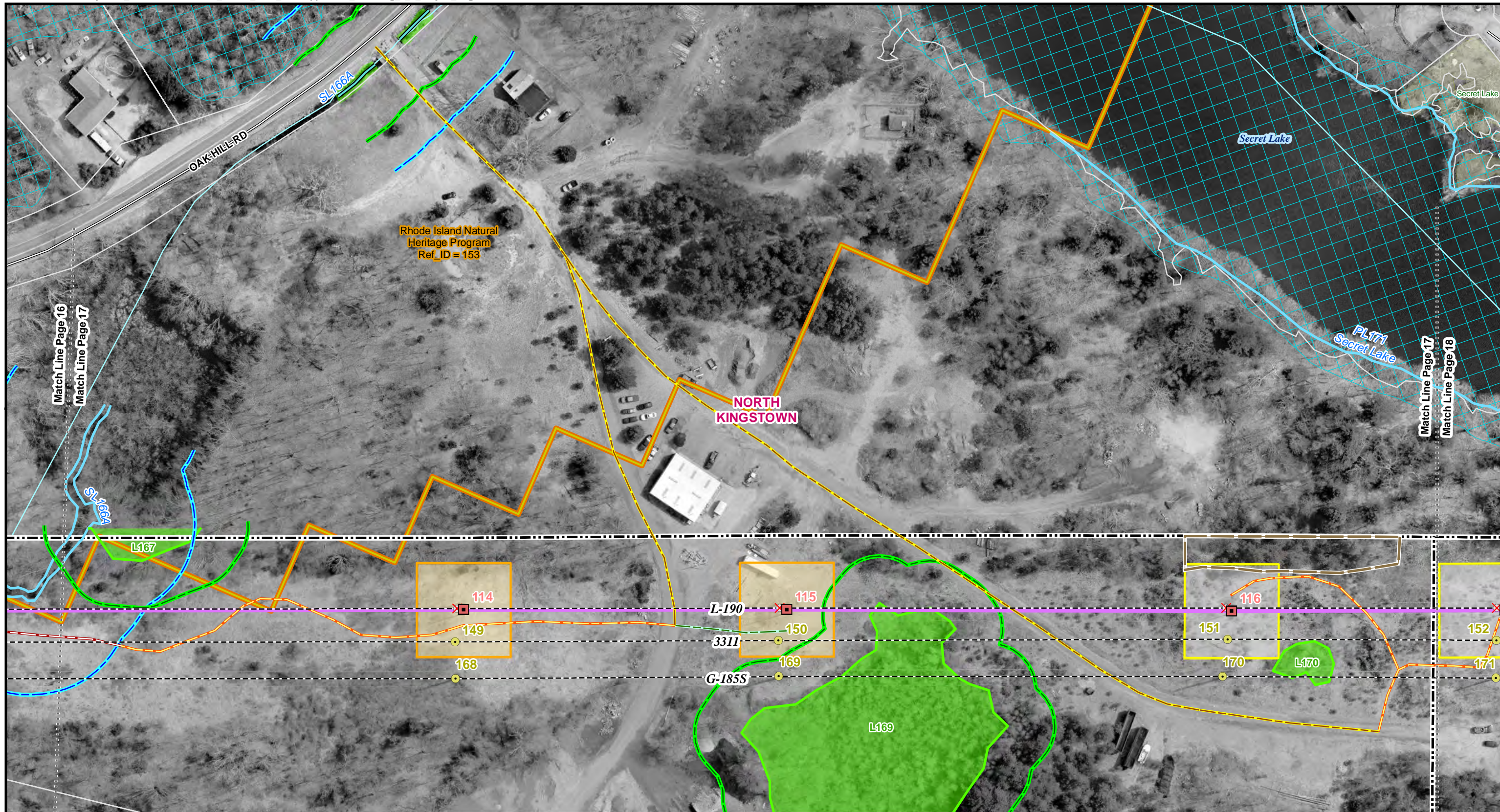
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Existing Access - No Improvements</li> </ul>	<ul style="list-style-type: none"> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Overland Access (Drive and Crush)</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Limit of Tree Clearing</li> </ul>	<ul style="list-style-type: none"> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> <li>Riverbank Area</li> </ul>	<ul style="list-style-type: none"> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

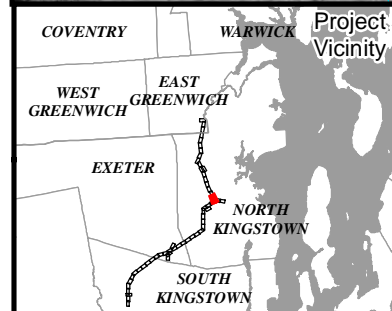
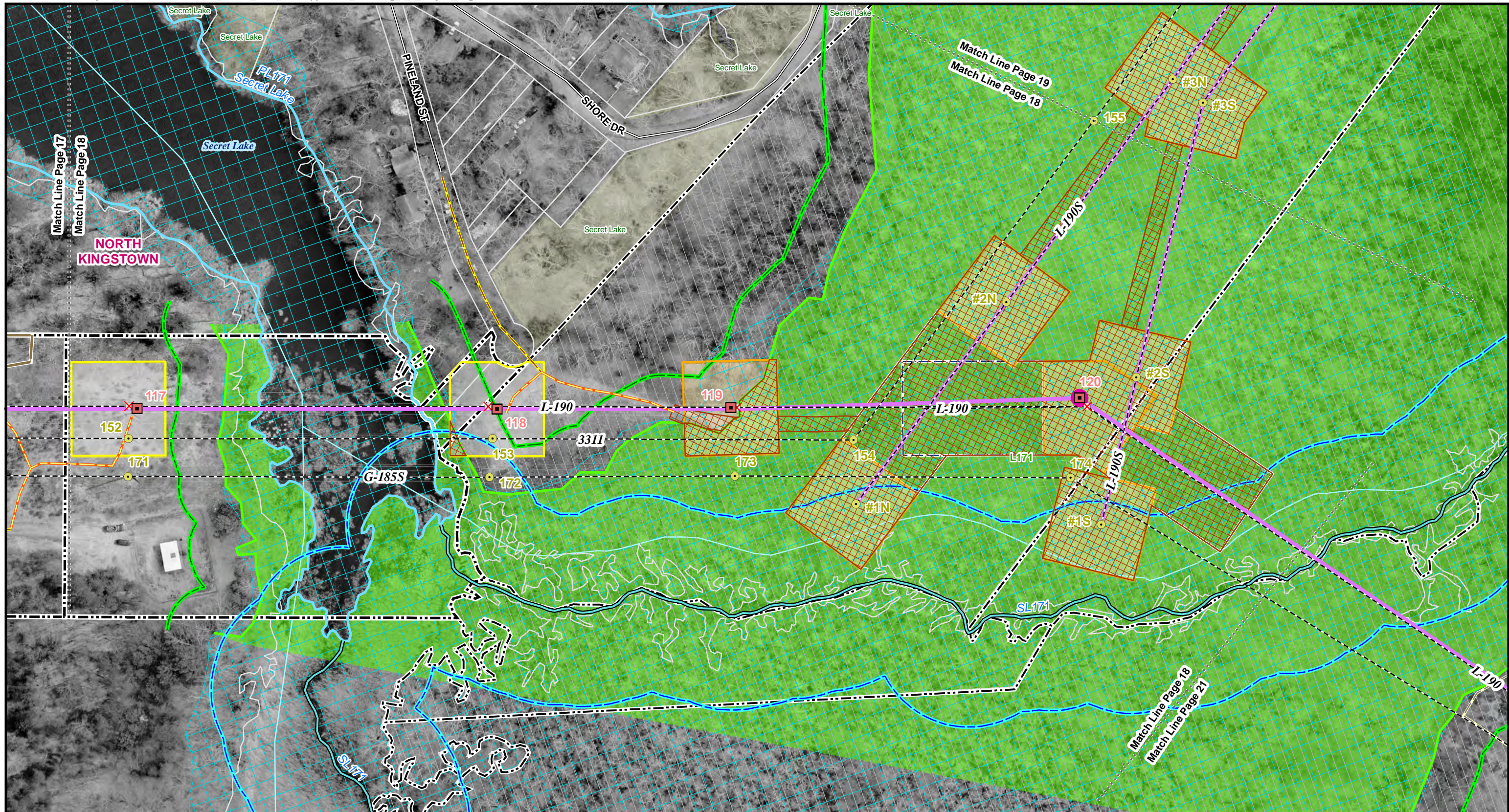
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company  
**POWER ENGINEERS**



<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Pull Pad Work Envelope (Mow Only)</li> </ul>	<ul style="list-style-type: none"> <li>Pull Pad Work Envelope (Grading)</li> <li>Construction Matting</li> <li>Limit of Tree Clearing</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> </ul>	<ul style="list-style-type: none"> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> </ul>	<ul style="list-style-type: none"> <li>FEMA - 100 Year Floodplain*</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

Date: June 2022

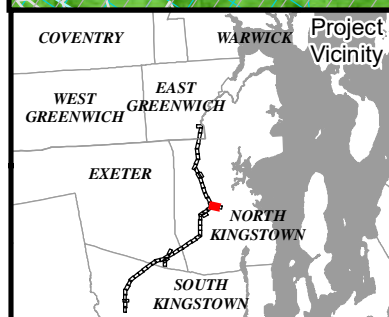
**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>● Existing Structure</li> <li>— L190 Asset Condition Refurbishment Project</li> <li>- - - Existing Transmission Line</li> <li>— Existing Access - No Improvements</li> </ul>	<ul style="list-style-type: none"> <li>— Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>— Type R: Repair within Existing Road Base</li> <li>■ Work Envelope (Mow Only)*</li> <li>■ Construction Matting</li> </ul>	<ul style="list-style-type: none"> <li>■ UG Storm Drainage</li> <li>■ National Grid Owned Land</li> <li>— Local Road</li> <li>— Parcel Boundary</li> <li>— Wetland Border</li> </ul>	<ul style="list-style-type: none"> <li>— Riverbank Area</li> <li>— 50 ft Perimeter Wetland</li> <li>— Perennial Stream (NHD)</li> <li>— Field Delineated Wetland*</li> <li>— FEMA - 100 Year Floodplain*</li> </ul>	<ul style="list-style-type: none"> <li>■ Local Conservation Area *</li> <li>— Map Sheet Matchline</li> </ul>
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### L190 ASSET CONDITION REFURBISHMENT PROJECT

#### Figure 3-1 Project Alignment Drawings

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State of Rhode Island, Washington County  
Town of North Kingstown

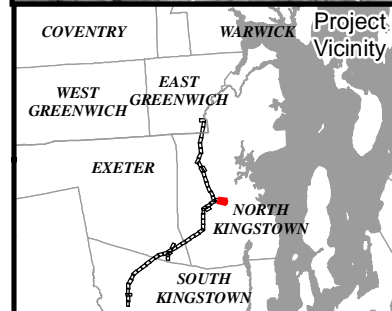
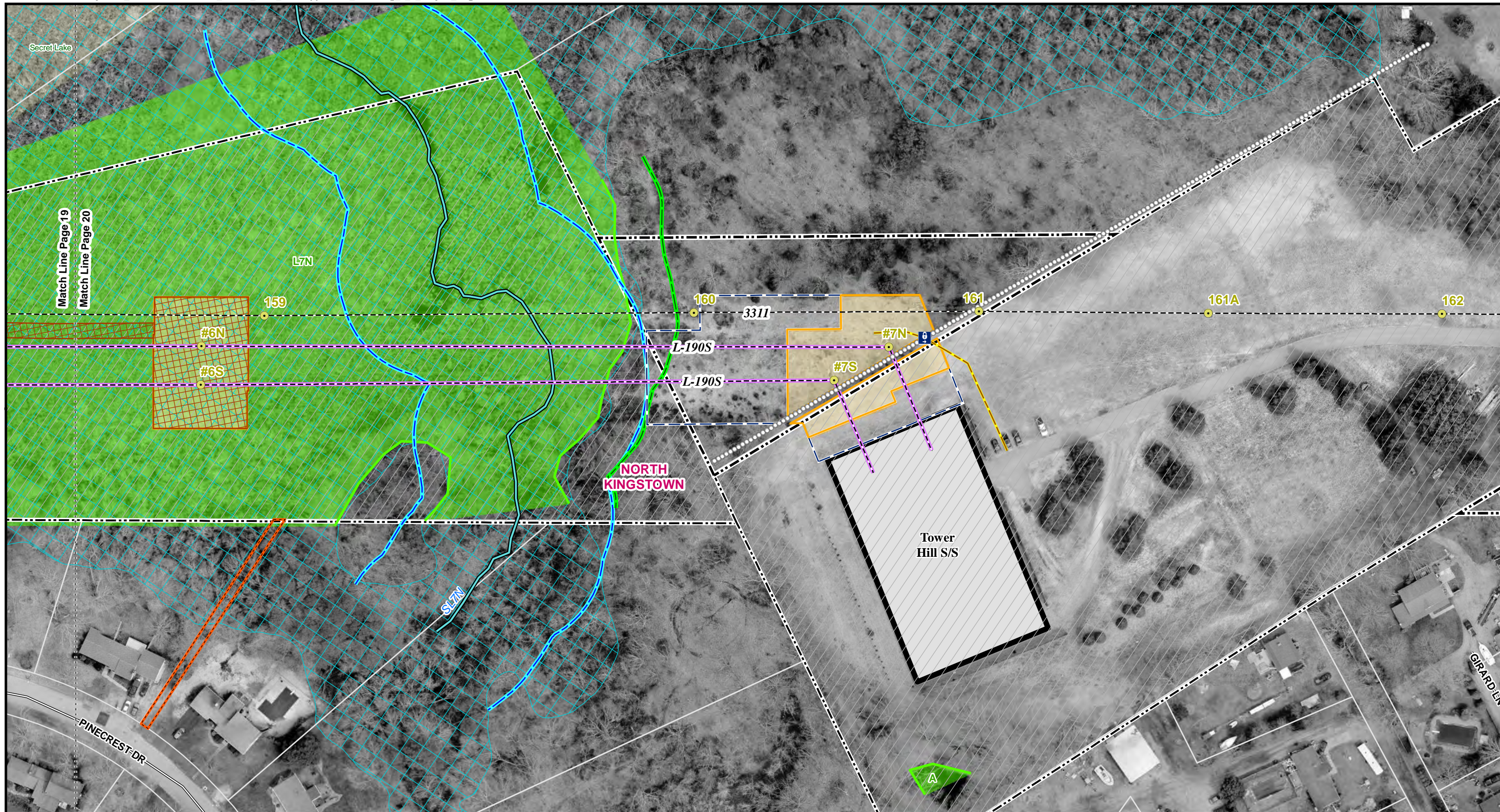
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NOT FOR CONSTRUCTION

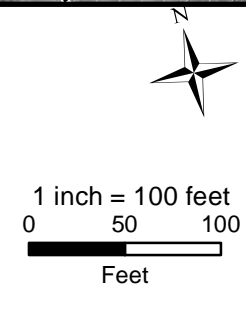
Imagery Source: University of Rhode Island, April 2020

*\*Indicates Layers Set to Transparency*

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Existing Structure	Construction Matting	FEMA - 100 Year Floodplain*
L190 Asset Condition Refurbishment Project	Substation or Switching Station	Local Conservation Area *
Existing Transmission Line	UG Storm Drainage	Map Sheet Matchline
Existing Access - No Improvements	National Grid Owned Land	Wetland Border
Work Envelope (Mow Only)*	Existing Right of Way	Riverbank Area
Pull Pad Work Envelope (Mow Only)	Local Road	50 ft Perimeter Wetland
	Parcel Boundary	Field Delineated Wetland*
	Stone Wall	
	Access Gate	
	Perennial Stream or River	



**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

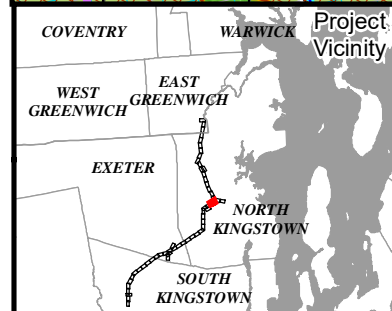
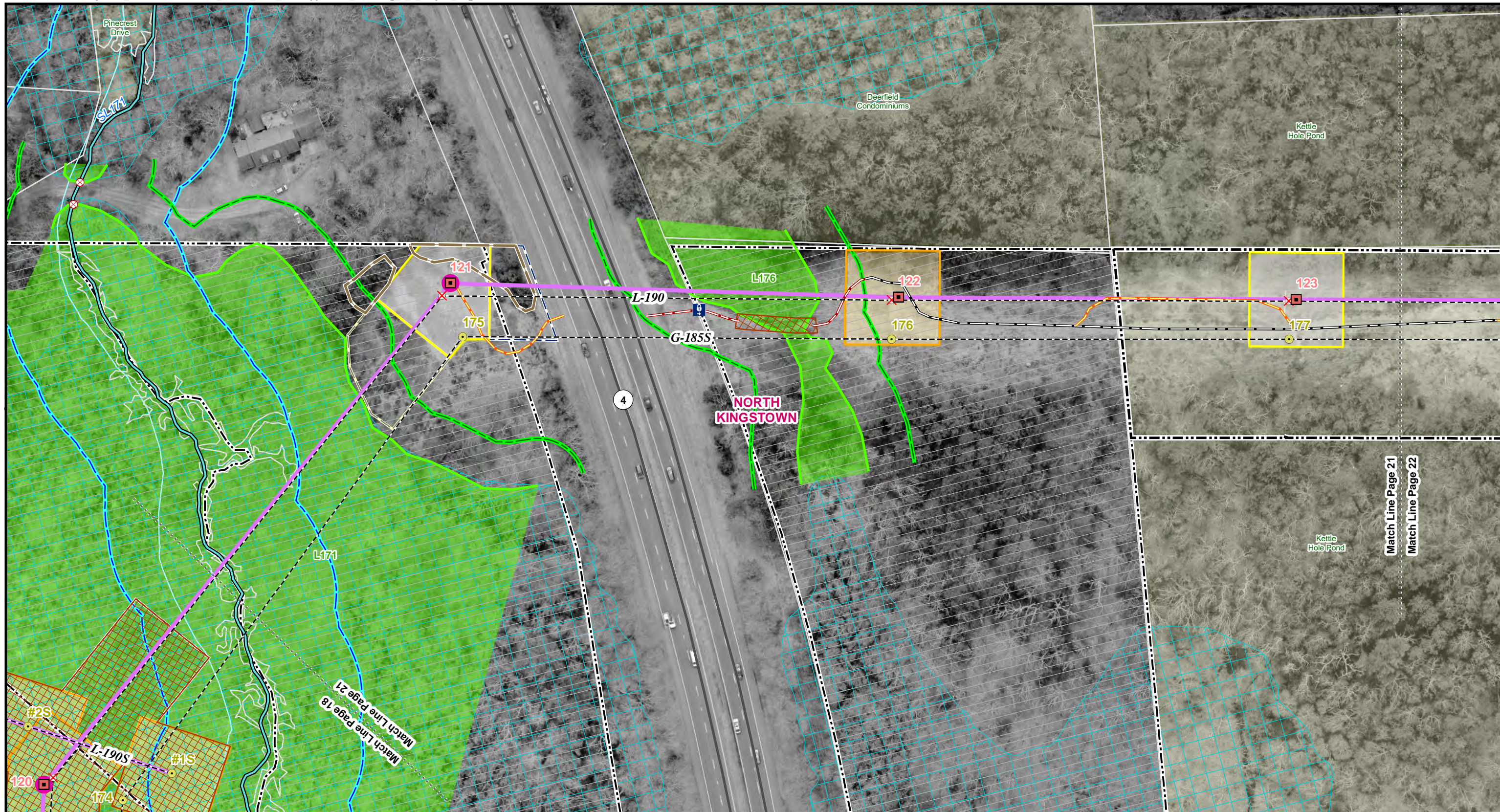
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

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The Narragansett Electric Company



<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> </ul>	<ul style="list-style-type: none"> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Pull Pad Work Envelope (Grading)</li> <li>Construction Matting</li> </ul>	<ul style="list-style-type: none"> <li>Limit of Tree Clearing</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>State Highway</li> <li>Parcel Boundary</li> <li>Existing Culvert</li> <li>Access Gate</li> <li>Perennial Stream or River</li> <li>Wetland Border</li> </ul>	<ul style="list-style-type: none"> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

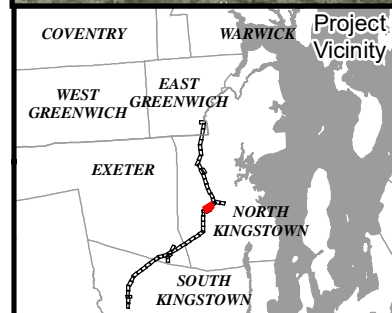
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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**POWER ENGINEERS**



Existing Structure	Existing Access - No Improvements	Work Envelope with Minor Grading*	Wetland Border
To Be Removed	Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)	Landscape Matting	50 ft Perimeter Wetland
Remove/Install Structure	Type 1: New or upgrade to 16-foot Wide Access Road	Existing Right of Way	Field Delineated Wetland*
L190 Asset Condition Refurbishment Project	Work Envelope (Mow Only)*	Parcel Boundary	FEMA - 100 Year Floodplain*
Existing Transmission Line		Mean Annual High Water Line	Local Conservation Area *
		Map Sheet Matchline	

**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

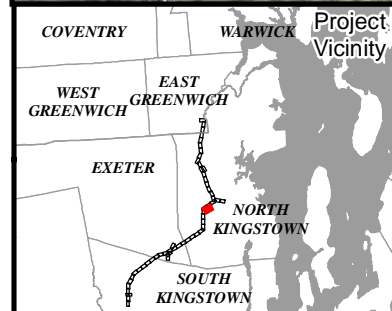
Date: June 2022

**NOT FOR CONSTRUCTION**


Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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- Existing Access - No Improvements
- Local Road
- Parcel Boundary
- State Conservation Area \*
- Local Conservation Area \*
- Map Sheet Matchline



1 inch = 100 feet

0 50 100

Feet

**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown


Date: June 2022

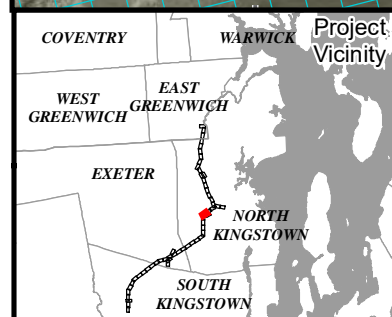
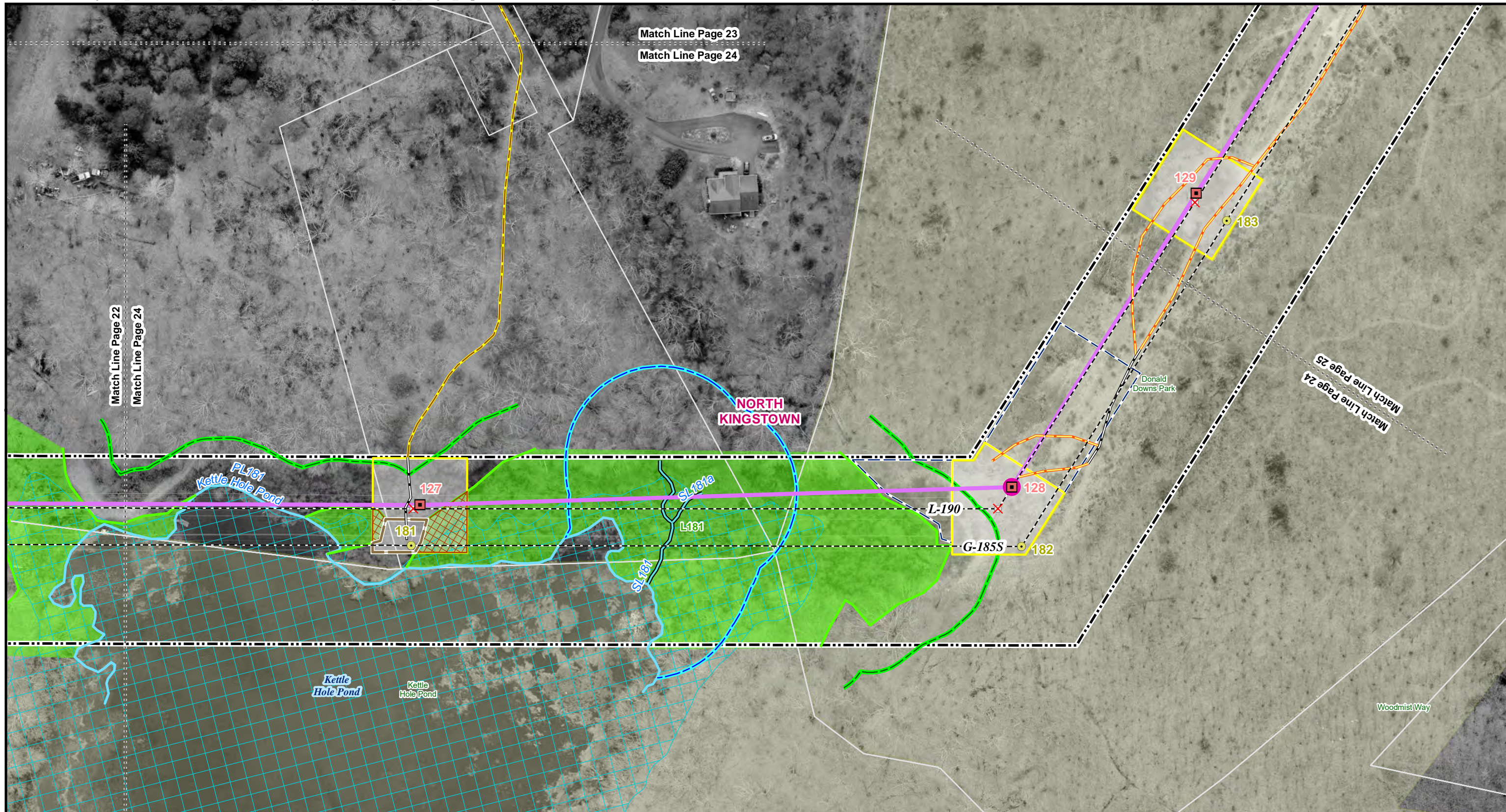
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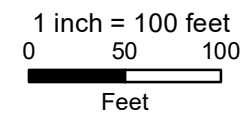
*\*Indicates Layers Set to Transparency*

The Narragansett Electric Company





<ul style="list-style-type: none"> <li>● Existing Structure</li> <li>✗ To Be Removed</li> <li>■ Remove/Install Structure</li> <li>● Structure with Concrete Foundation</li> <li>— L190 Asset Condition Refurbishment Project</li> <li>--- Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Existing Access - No Improvements</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>— Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>— Work Envelope with Minor Grading*</li> </ul>	<ul style="list-style-type: none"> <li>□ Pull Pad Work Envelope (Mow Only)</li> <li>▨ Construction Matting</li> <li>□ Limit of Tree Clearing</li> <li>▨ Existing Right of Way</li> <li>□ Parcel Boundary</li> <li>— Perennial Stream or River</li> </ul>	<ul style="list-style-type: none"> <li>— Mean Annual High Water Line</li> <li>— Wetland Border</li> <li>— Riverbank Area</li> <li>— 50 ft Perimeter Wetland</li> <li>— Field Delineated Wetland*</li> <li>— FEMA - 100 Year Floodplain*</li> </ul>	<ul style="list-style-type: none"> <li>□ Local Conservation Area *</li> <li>--- Map Sheet Matchline</li> </ul>
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### L190 ASSET CONDITION REFURBISHMENT PROJECT

#### Figure 3-1 Project Alignment Drawings

#### Page 24 of 54

State of Rhode Island, Washington County  
Town of North Kingstown

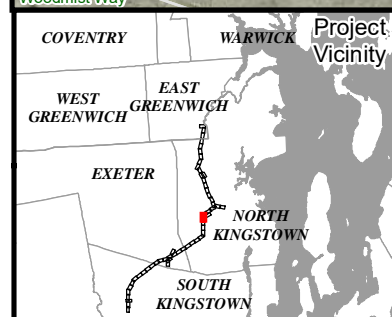
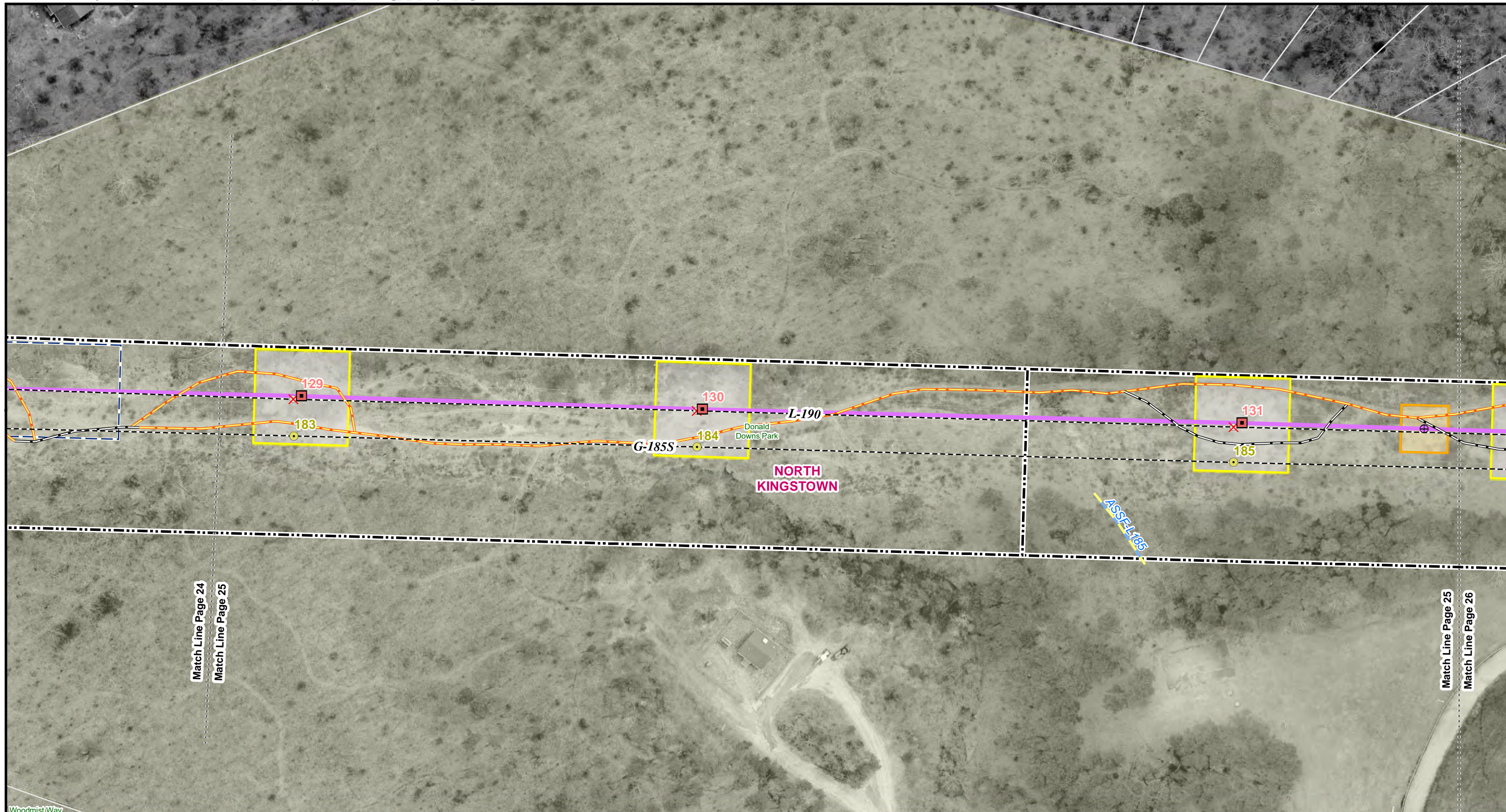
Date: June 2022

NOT FOR CONSTRUCTION

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li> Splice or Sleeve Location</li> <li> Existing Structure</li> <li> To Be Removed</li> <li> Remove/Install Structure</li> <li> L190 Asset Condition Refurbishment Project</li> <li> Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li> Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li> Type 1: New or upgrade to 16-foot Wide Access Road</li> <li> Work Envelope (Mow Only)*</li> <li> Work Envelope with Minor Grading*</li> </ul>	<ul style="list-style-type: none"> <li> Pull Pad Work Envelope (Mow Only)</li> <li> Existing Right of Way</li> <li> Parcel Boundary</li> <li> Area Subject to Storm Flowage (ASSF)</li> <li> Local Conservation Area *</li> </ul>	<ul style="list-style-type: none"> <li> Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 25 of 54

State of Rhode Island, Washington County  
Town of North Kingstown

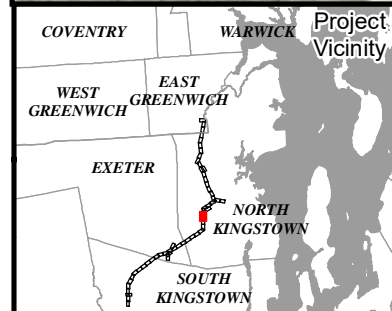
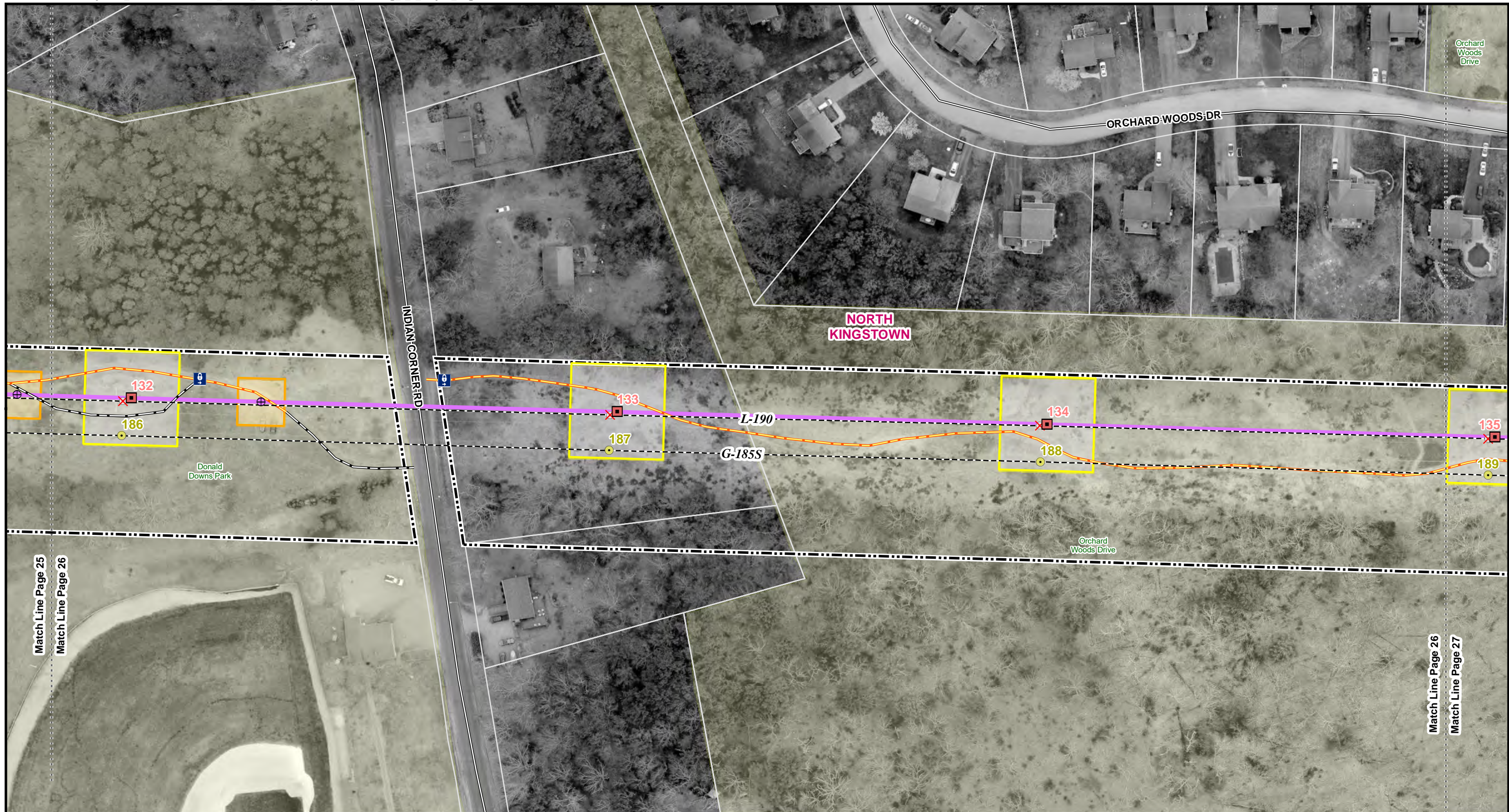
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**NOT FOR CONSTRUCTION**

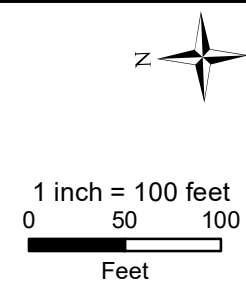
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li> Splice or Sleeve Location</li> <li> Existing Structure</li> <li> To Be Removed</li> <li> Remove/Install Structure</li> <li> L190 Asset Condition Refurbishment Project</li> <li> Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li> Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li> Type 1: New or upgrade to 16-foot Wide Access Road</li> <li> Work Envelope (Mow Only)*</li> <li> Work Envelope with Minor Grading*</li> <li> Existing Right of Way</li> </ul>	<ul style="list-style-type: none"> <li> Local Road</li> <li> Parcel Boundary</li> <li> Access Gate</li> <li> Local Conservation Area *</li> <li> Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

Date: June 2022

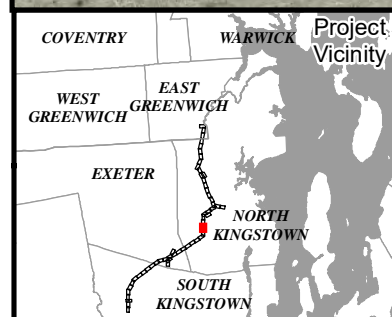
Imagery Source: University of Rhode Island, April 2020

*\*Indicates Layers Set to Transparency*

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Construction Matting</li> </ul>	<ul style="list-style-type: none"> <li>Landscape Matting</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Fence</li> <li>Access Gate</li> </ul>	<ul style="list-style-type: none"> <li>Wetland Border</li> <li>50 ft Perimeter Wetland</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Local Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 27 of 54

State of Rhode Island, Washington County  
Town of North Kingstown

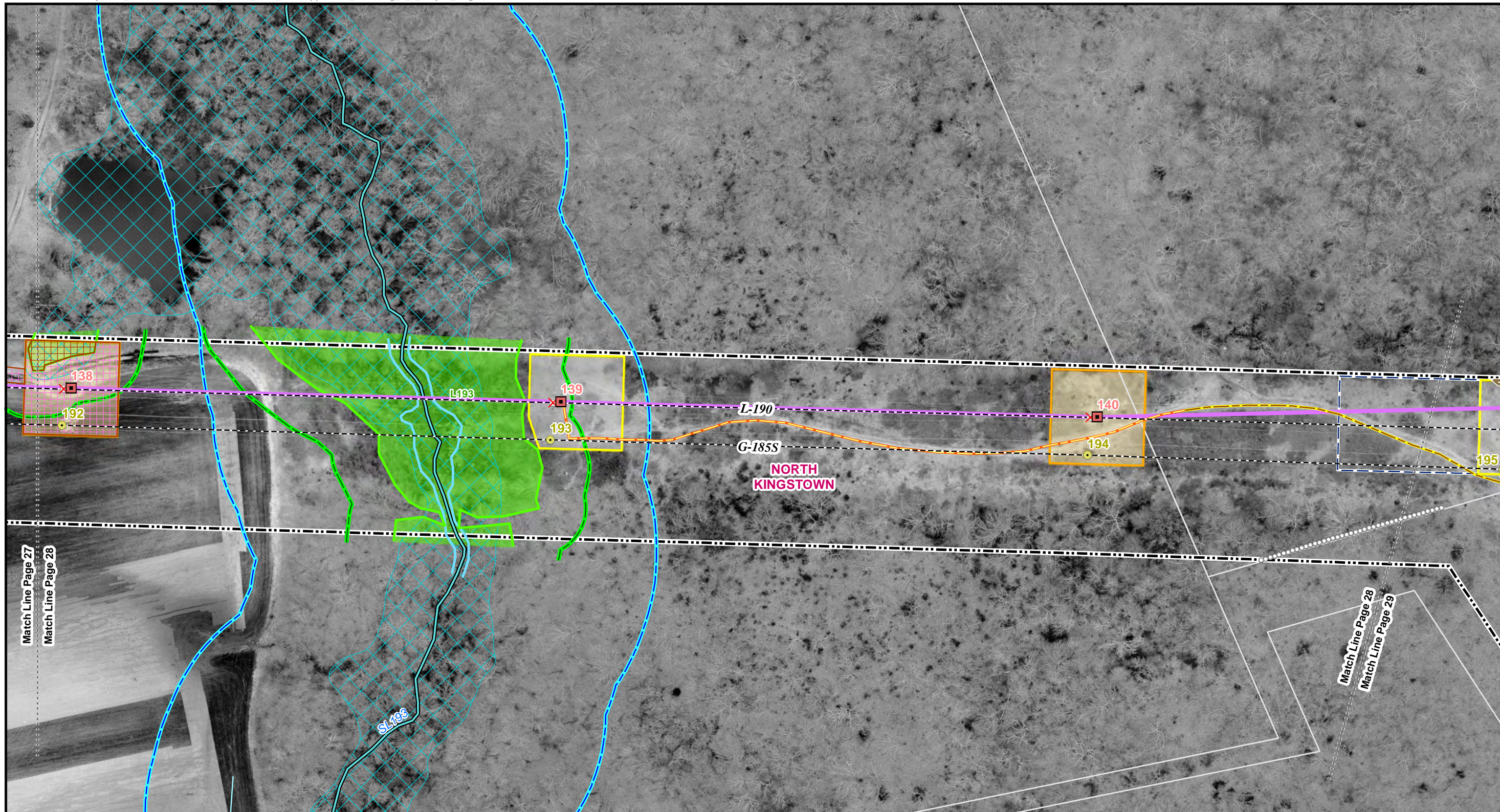
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**NOT FOR CONSTRUCTION**

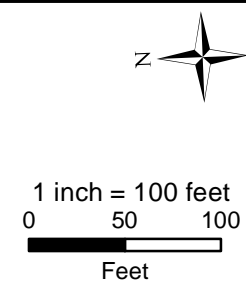
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Construction Matting</li> </ul>	<ul style="list-style-type: none"> <li>Landscape Matting</li> <li>Limit of Tree Clearing</li> <li>Existing Right of Way</li> <li>Parcel Boundary</li> <li>Stone Wall</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> </ul>	<ul style="list-style-type: none"> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

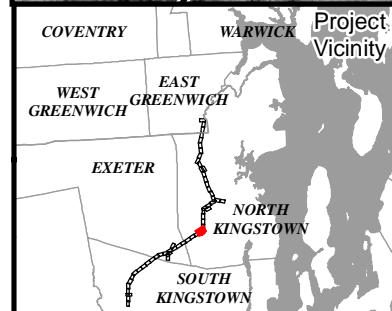
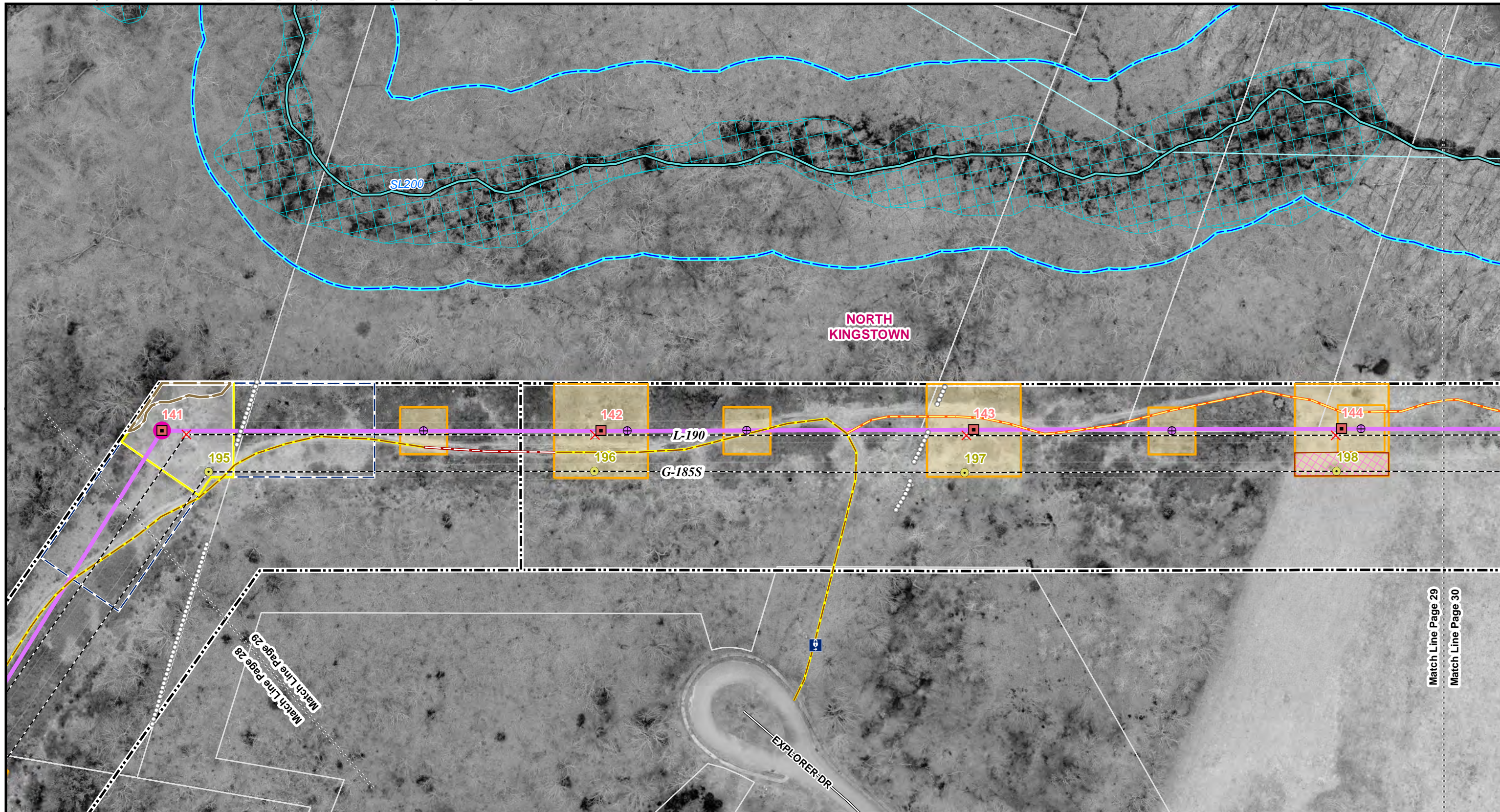
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**NOT FOR CONSTRUCTION**

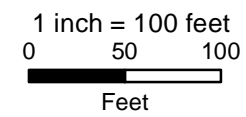
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company  
**POWER ENGINEERS**



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> </ul>	<ul style="list-style-type: none"> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Landscape Matting</li> <li>Limit of Tree Clearing</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Stone Wall</li> </ul>	<ul style="list-style-type: none"> <li>Access Gate</li> <li>Perennial Stream or River</li> <li>Riverbank Area</li> <li>Perennial Stream (NHD)</li> <li>FEMA - 100 Year Floodplain*</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

Date: June 2022

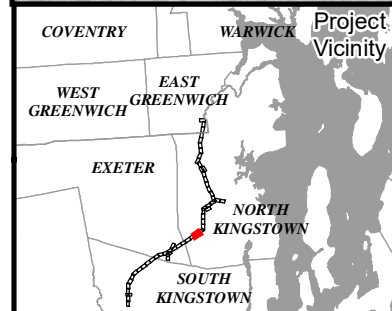
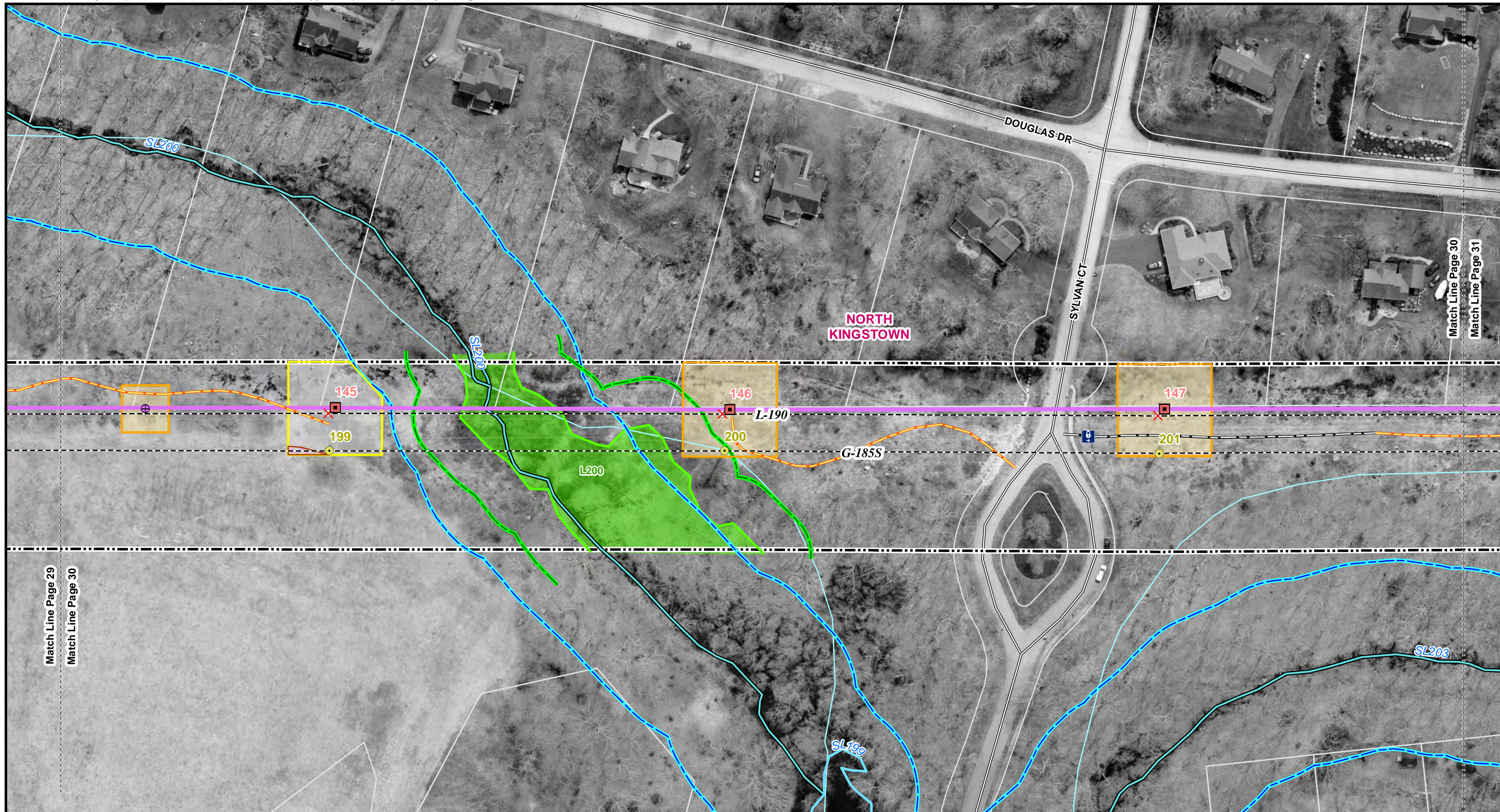
Imagery Source: University of Rhode Island, April 2020

*\*Indicates Layers Set to Transparency*

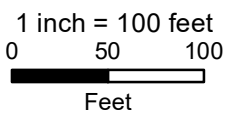
**The Narragansett Electric Company**

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THIS DOCUMENT IS INTENDED FOR GENERAL PLANNING & INFORMATION PURPOSES ONLY. ALL MEASUREMENTS & LOCATIONS ARE APPROXIMATE.



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Landscape Matting</li> </ul>	<ul style="list-style-type: none"> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Access Gate</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> </ul>	<ul style="list-style-type: none"> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

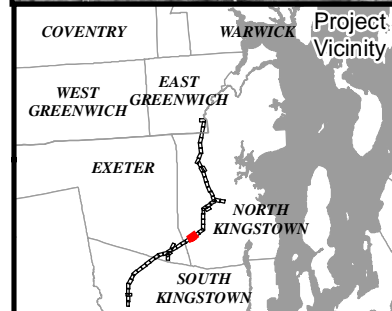
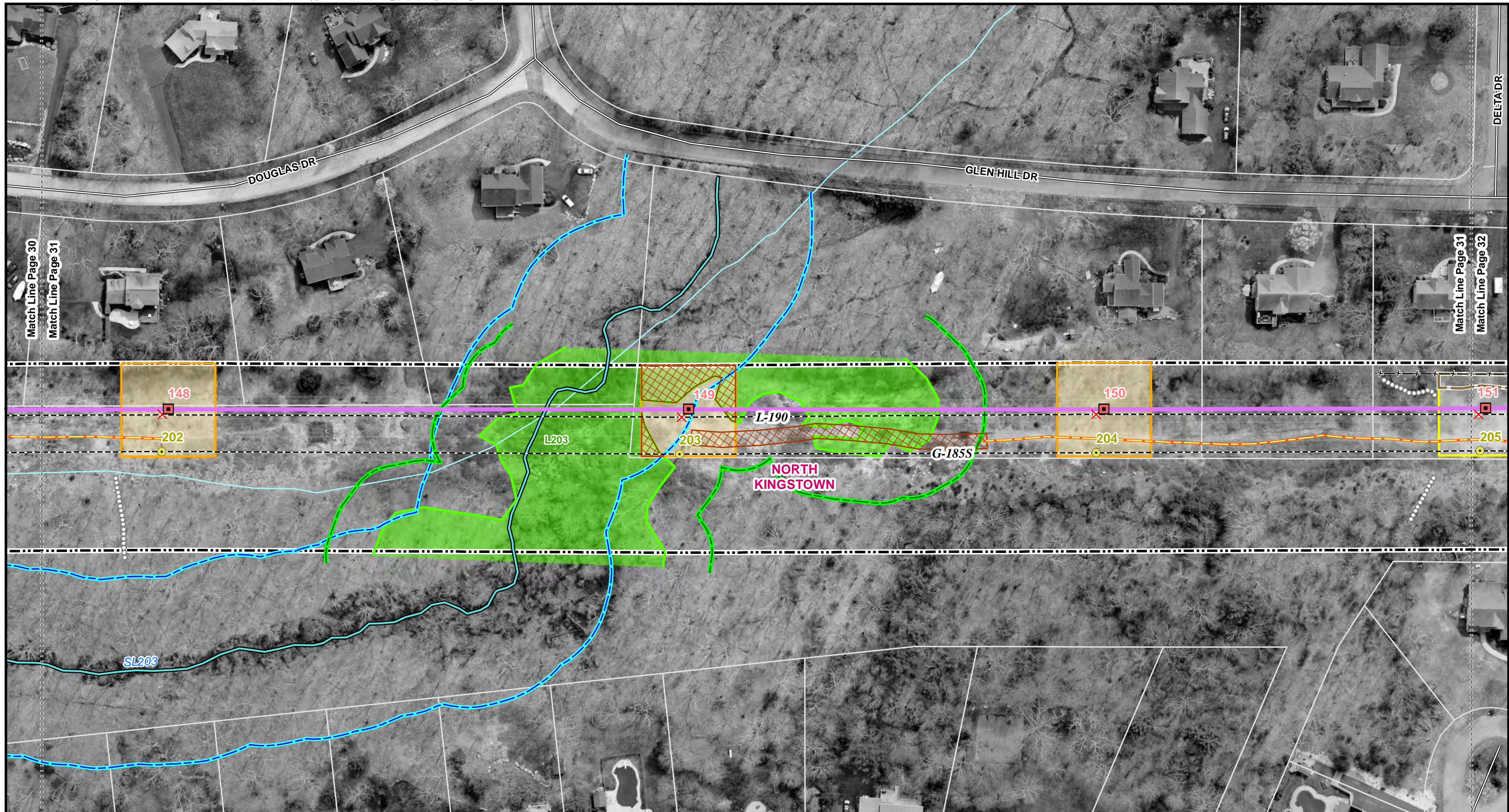
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Existing Structure</li> <li><span style="color: red;">✗</span> To Be Removed</li> <li><span style="border: 1px solid red; padding: 2px;">■</span> Remove/Install Structure</li> <li><span style="border-bottom: 1px solid purple; width: 20px; display: inline-block;"></span> L190 Asset Condition Refurbishment Project</li> <li><span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span> Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid orange; width: 20px; height: 10px; display: inline-block;"></span> Type 1: New or upgrade to 16-foot Wide Access Road</li> <li><span style="border: 1px solid orange; width: 20px; height: 10px; display: inline-block; background-color: #fff9c4;"></span> Work Envelope (Mow Only)*</li> <li><span style="border: 1px solid yellow; width: 20px; height: 10px; display: inline-block;"></span> Work Envelope with Minor Grading*</li> <li><span style="border: 1px solid orange; width: 20px; height: 10px; display: inline-block; background-image: linear-gradient(to right, transparent 49%, black 49%, black 51%, transparent 51%); background-size: 4px 4px;"></span> Construction Matting</li> <li><span style="border: 1px solid brown; width: 20px; height: 10px; display: inline-block;"></span> Limit of Tree Clearing</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px dashed black; width: 20px; height: 10px; display: inline-block;"></span> Existing Right of Way</li> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Local Road</li> <li><span style="border: 1px solid black; width: 20px; height: 10px; display: inline-block;"></span> Parcel Boundary</li> <li><span style="border-bottom: 1px dotted black; width: 20px; display: inline-block;"></span> Stone Wall</li> <li><span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span> Fence</li> <li><span style="border-bottom: 1px solid blue; width: 20px; display: inline-block;"></span> Perennial Stream or River</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid green; width: 20px; display: inline-block;"></span> Wetland Border</li> <li><span style="border-bottom: 1px solid blue; width: 20px; display: inline-block;"></span> Riverbank Area</li> <li><span style="border-bottom: 1px solid green; width: 20px; display: inline-block;"></span> 50 ft Perimeter Wetland</li> <li><span style="border-bottom: 1px dashed blue; width: 20px; display: inline-block;"></span> Perennial Stream (NHD)</li> <li><span style="background-color: #90ee90; width: 20px; height: 10px; display: inline-block;"></span> Field Delineated Wetland*</li> <li><span style="border-bottom: 1px dotted black; width: 20px; display: inline-block;"></span> Map Sheet Matchline</li> </ul>
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1 inch = 100 feet

Feet

### L190 ASSET CONDITION REFURBISHMENT PROJECT

**Figure 3-1 Project Alignment Drawings**  
Page 31 of 54

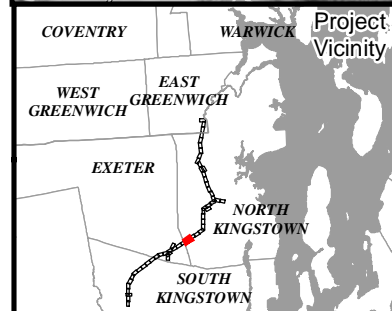
State of Rhode Island, Washington County  
Town of North Kingstown

Date: June 2022 NOT FOR CONSTRUCTION

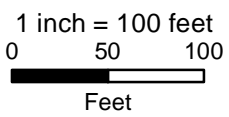
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

**The Narragansett Electric Company**



<ul style="list-style-type: none"> <li>⊕ Splice or Sleeve Location</li> <li>● Existing Structure</li> <li>✕ To Be Removed</li> <li>■ Remove/Install Structure</li> <li>— L190 Asset Condition Refurbishment Project</li> <li>- - - Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Type R: Repair within Existing Road Base</li> <li>— Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>□ Work Envelope (Mow Only)*</li> <li>□ Work Envelope with Minor Grading*</li> <li>□ Limit of Tree Clearing</li> </ul>	<ul style="list-style-type: none"> <li>▭ Existing Right of Way</li> <li>— Local Road</li> <li>▭ Parcel Boundary</li> <li>○○○○ Stone Wall</li> <li>— Fence</li> <li>— Wetland Border</li> </ul>	<ul style="list-style-type: none"> <li>— Perennial Stream (NHD)</li> <li>— Field Delineated Wetland*</li> <li>— FEMA - 100 Year Floodplain*</li> <li>— Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

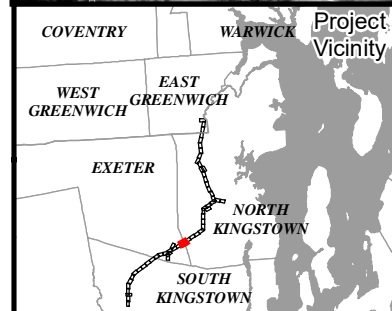
**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of North Kingstown

Date: June 2022 **NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020  
\*Indicates Layers Set to Transparency

The Narragansett Electric Company  
**POWER ENGINEERS**



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Overland Access (Drive and Crush)</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> </ul>	<ul style="list-style-type: none"> <li>Work Envelope - Public Roadway</li> <li>Construction Matting</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Stone Wall</li> <li>Town Boundary</li> </ul>	<ul style="list-style-type: none"> <li>Existing Culvert</li> <li>Access Gate</li> <li>Perennial Stream or River</li> <li>Area Subject to Storm Flowage (ASSF)</li> <li>Wetland Border</li> <li>Riverbank Area</li> <li>Perennial Stream (NHD)</li> </ul>	<ul style="list-style-type: none"> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Towns of North Kingstown and Exeter

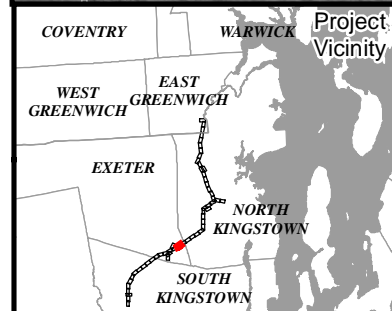
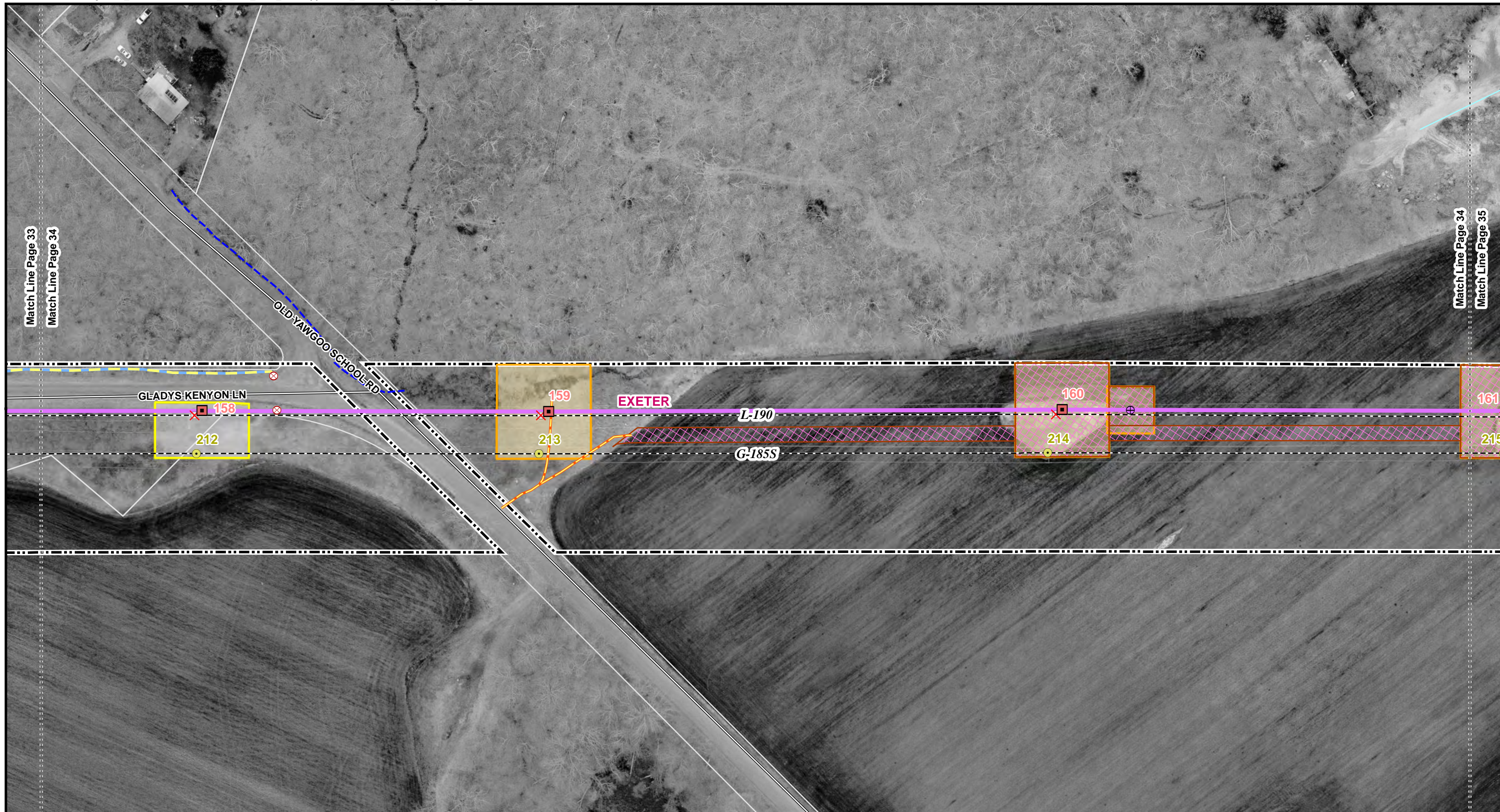
Date: June 2022

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\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>⊕ Splice or Sleeve Location</li> <li>● Existing Structure</li> <li>✕ To Be Removed</li> <li>■ Remove/Install Structure</li> <li>— L190 Asset Condition Refurbishment Project</li> <li>- - - Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>— Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>■ Work Envelope (Mow Only)*</li> <li>■ Work Envelope with Minor Grading*</li> <li>■ Landscape Matting</li> <li>⊠ Existing Right of Way</li> </ul>	<ul style="list-style-type: none"> <li>— Local Road</li> <li>⊠ Parcel Boundary</li> <li>⊗ Existing Culvert</li> <li>- - - Ditch</li> <li>— Area Subject to Storm Flowage (ASSF)</li> <li>~ Perennial Stream (NHD)</li> </ul>	<ul style="list-style-type: none"> <li>⋯ Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 34 of 54

State of Rhode Island, Washington County  
Town of Exeter

Date: June 2022

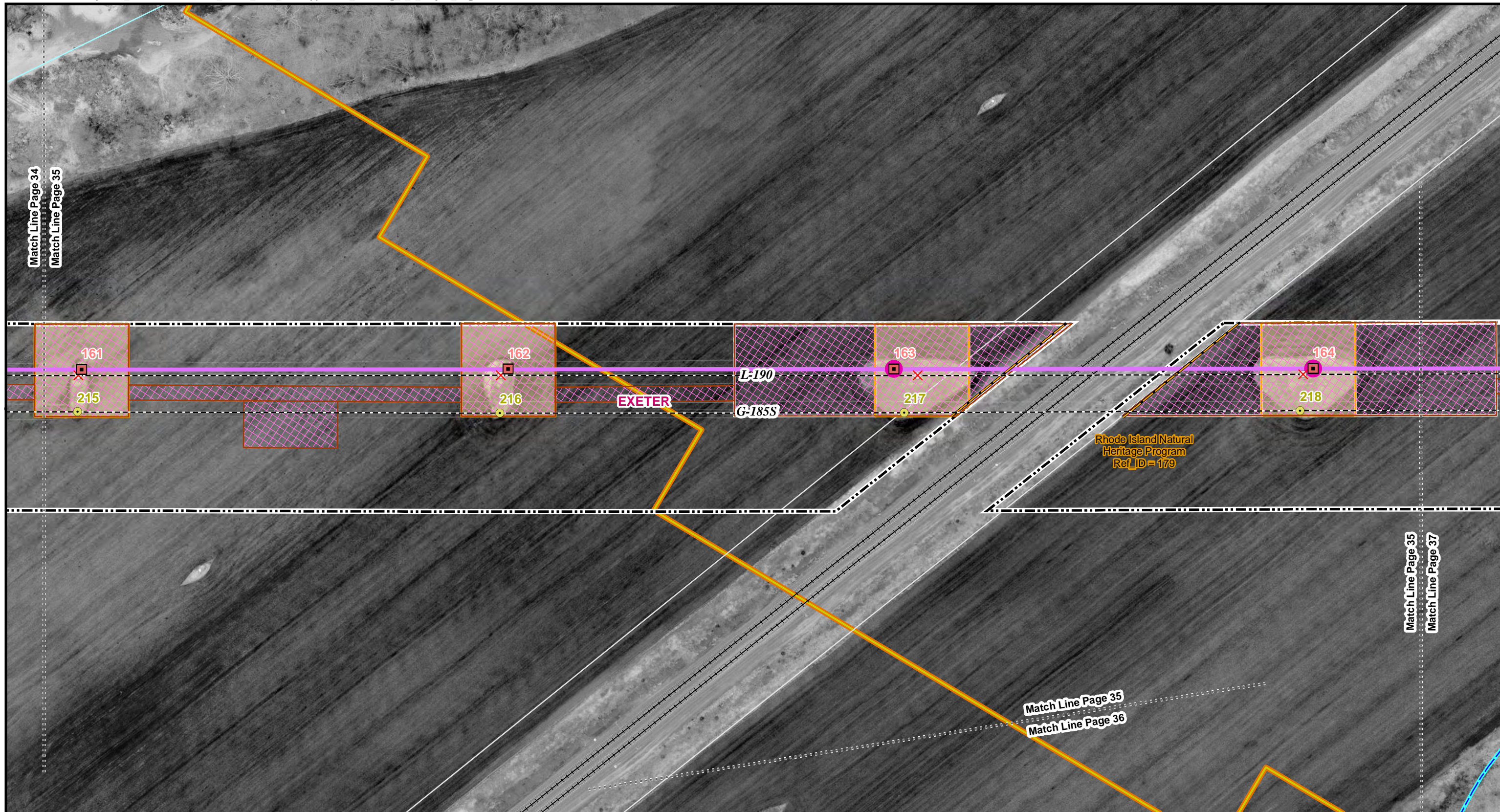
**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

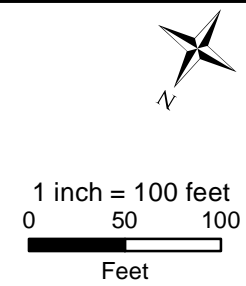
\*Indicates Layers Set to Transparency

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Existing Structure	Existing Transmission Line	Railroad
To Be Removed	Orange Barrier Fencing	Parcel Boundary
Remove/Install Structure	Work Envelope (Mow Only)*	Riverbank Area
Structure with Concrete Foundation	Pull Pad Work Envelope (Mow Only)	Perennial Stream (NHD)
L190 Asset Condition Refurbishment Project	Landscape Matting	Natural Heritage Area
	Existing Right of Way	Map Sheet Matchline



**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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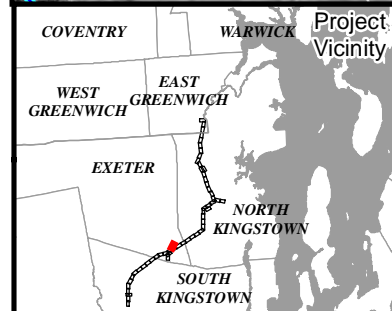
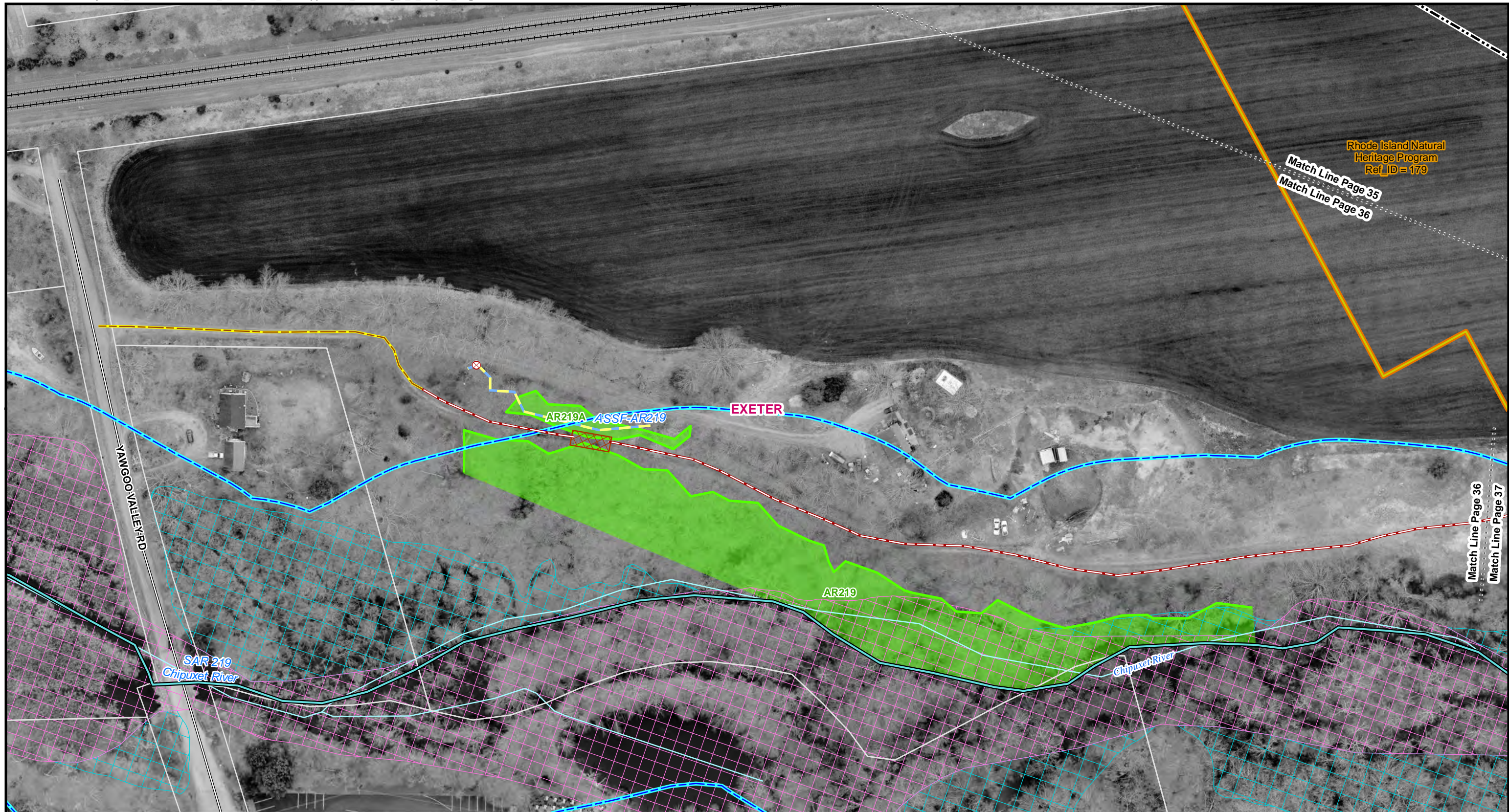
State of Rhode Island, Washington County  
Town of Exeter

Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020  
\*Indicates Layers Set to Transparency

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Existing Access - No Improvements	Railroad	Riverbank Area	Map Sheet Matchline
Type R: Repair within Existing Road Base	Parcel Boundary	Perennial Stream (NHD)	
Construction Matting	Existing Culvert	Field Delineated Wetland*	
Existing Right of Way	Perennial Stream or River	FEMA - 100 Year Floodplain*	
Local Road	Area Subject to Storm Flowage (ASSF)	FEMA - Floodway*	
Wetland Border	Natural Heritage Area		

**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of Exeter

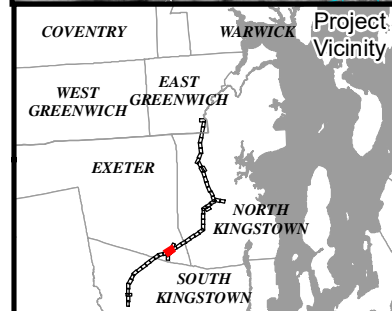
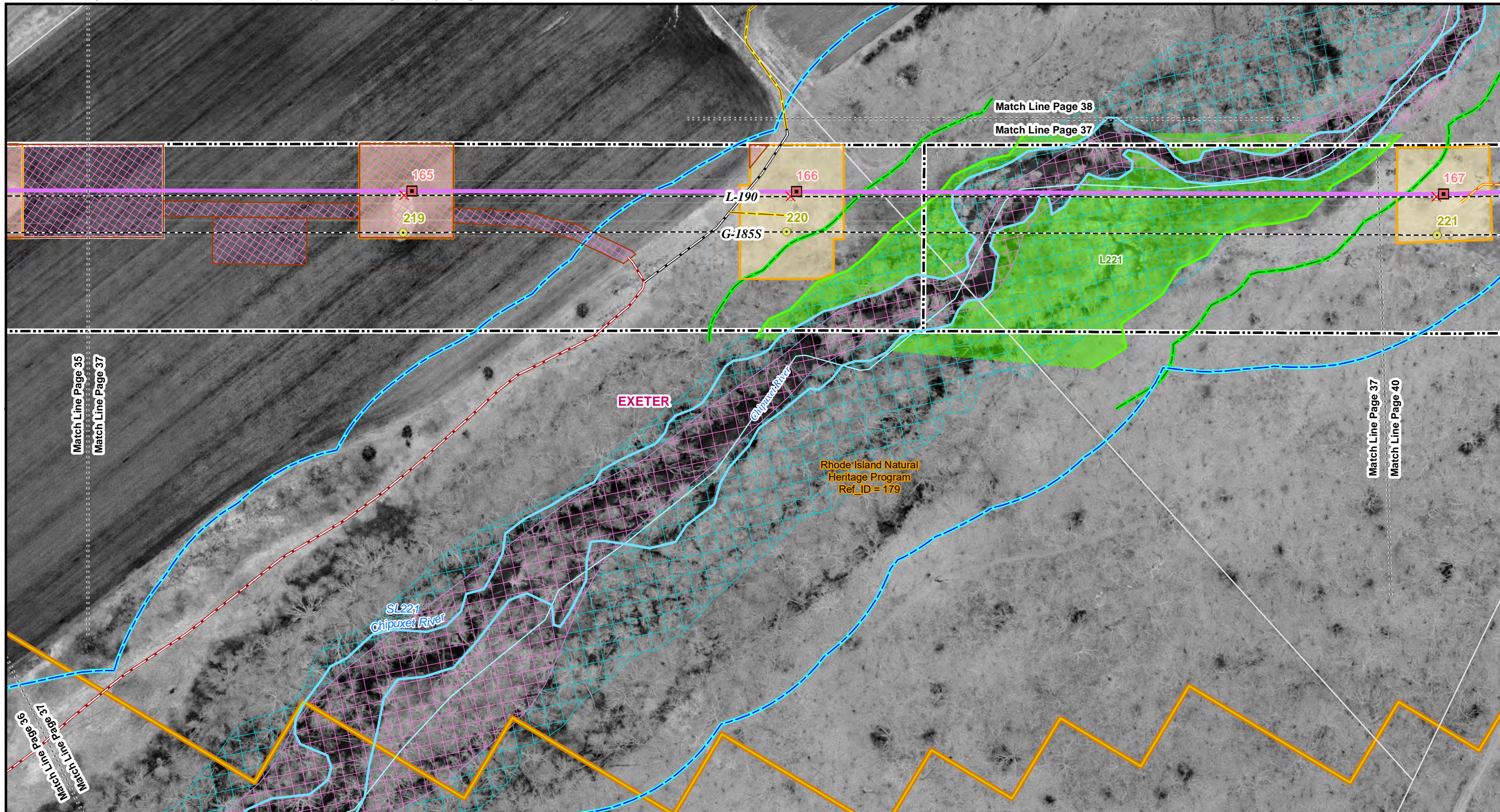
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Existing Access - No Improvements</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Landscape Matting</li> </ul>	<ul style="list-style-type: none"> <li>Existing Right of Way</li> <li>Parcel Boundary</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> </ul>	<ul style="list-style-type: none"> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>FEMA - Floodway*</li> <li>Natural Heritage Area</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 37 of 54

State of Rhode Island, Washington County  
Town of Exeter

Date: June 2022

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

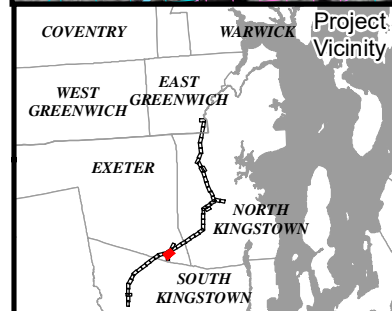
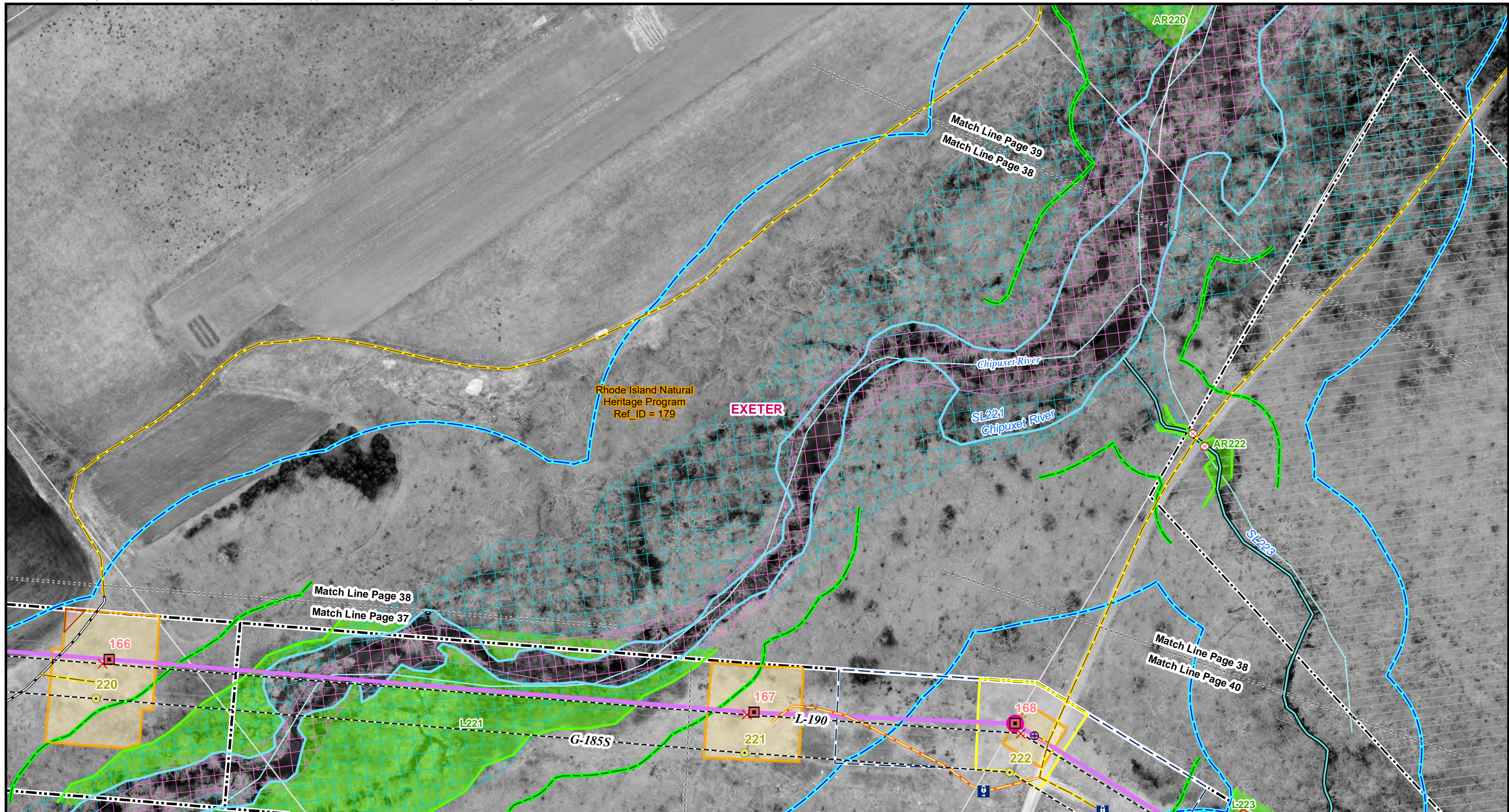
**The Narragansett Electric Company**

**POWER ENGINEERS**

1 inch = 100 feet

Feet

**NOT FOR CONSTRUCTION**



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> </ul>	<ul style="list-style-type: none"> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Construction Matting</li> <li>Landscape Matting</li> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Parcel Boundary</li> <li>Existing Culvert</li> </ul>	<ul style="list-style-type: none"> <li>Access Gate</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> </ul>	<ul style="list-style-type: none"> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>FEMA - Floodway*</li> <li>Natural Heritage Area</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 38 of 54

State of Rhode Island, Washington County  
Town of Exeter

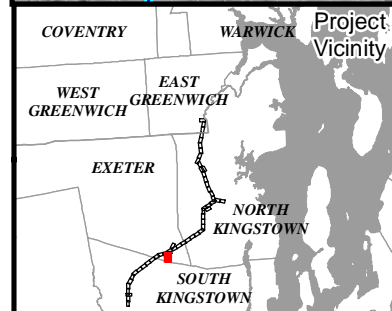
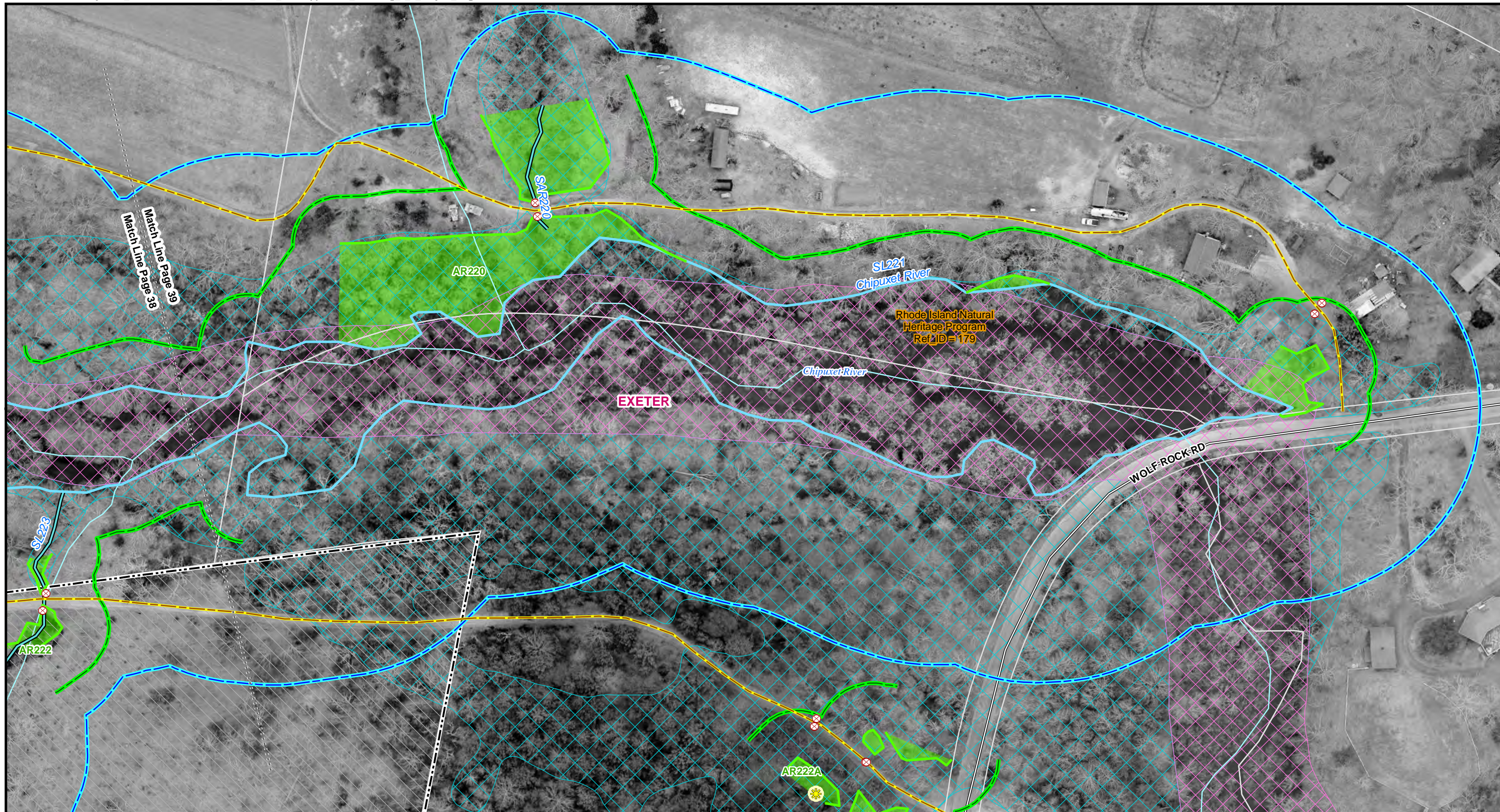
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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Existing Access - No Improvements	Existing Culvert	Perennial Stream (NHD)
National Grid Owned Land	Perennial Stream or River	Field Delineated Wetland*
Local Road	Mean Annual High Water Line	FEMA - 100 Year Floodplain*
Parcel Boundary	Wetland Border	FEMA - Floodway*
Potential Vernal Pool (Field Identified)	Riverbank Area	Natural Heritage Area
	50 ft Perimeter Wetland	Map Sheet Matchline

**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 39 of 54

State of Rhode Island, Washington County  
Town of Exeter

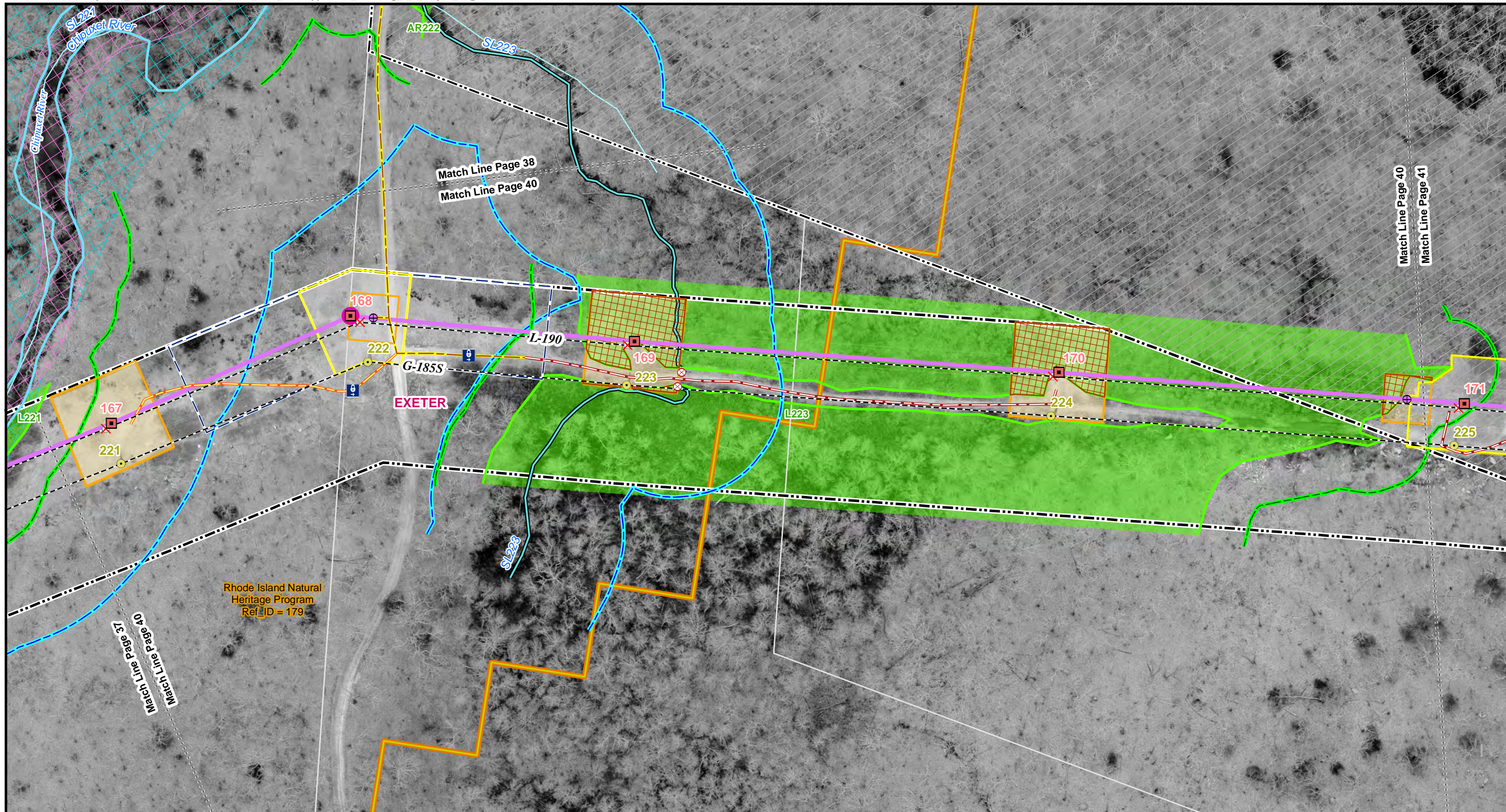
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Construction Matting</li> </ul>	<ul style="list-style-type: none"> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Parcel Boundary</li> <li>Existing Culvert</li> <li>Access Gate</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> </ul>	<ul style="list-style-type: none"> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>FEMA - Floodway*</li> <li>Natural Heritage Area</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 40 of 54

State of Rhode Island, Washington County  
Town of Exeter

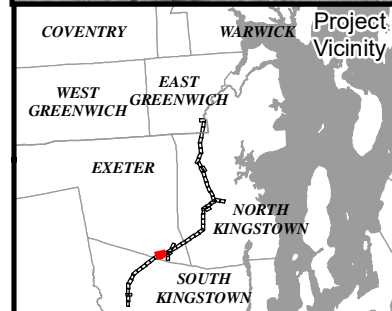
Date: June 2022

**NOT FOR CONSTRUCTION**

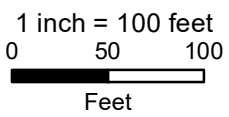
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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<ul style="list-style-type: none"> <li> Splice or Sleeve Location</li> <li> Existing Structure</li> <li> To Be Removed</li> <li> Remove/Install Structure</li> <li> Structure with Concrete Foundation</li> <li> L190 Asset Condition Refurbishment Project</li> </ul>	<ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Existing Access - No Improvements</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> <li> Work Envelope (Mow Only)*</li> </ul>	<ul style="list-style-type: none"> <li> Work Envelope with Minor Grading*</li> <li> Pull Pad Work Envelope (Grading)</li> <li> Construction Matting</li> <li> National Grid Owned Land</li> <li> Existing Right of Way</li> <li> Local Road</li> </ul>	<ul style="list-style-type: none"> <li> Parcel Boundary</li> <li> Area Subject to Flooding (ASF)</li> <li> Wetland Border</li> <li> 50 ft Perimeter Wetland</li> <li> Field Delineated Wetland*</li> <li> Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

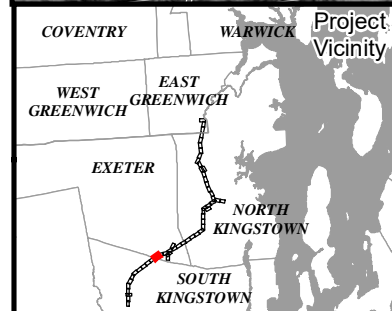
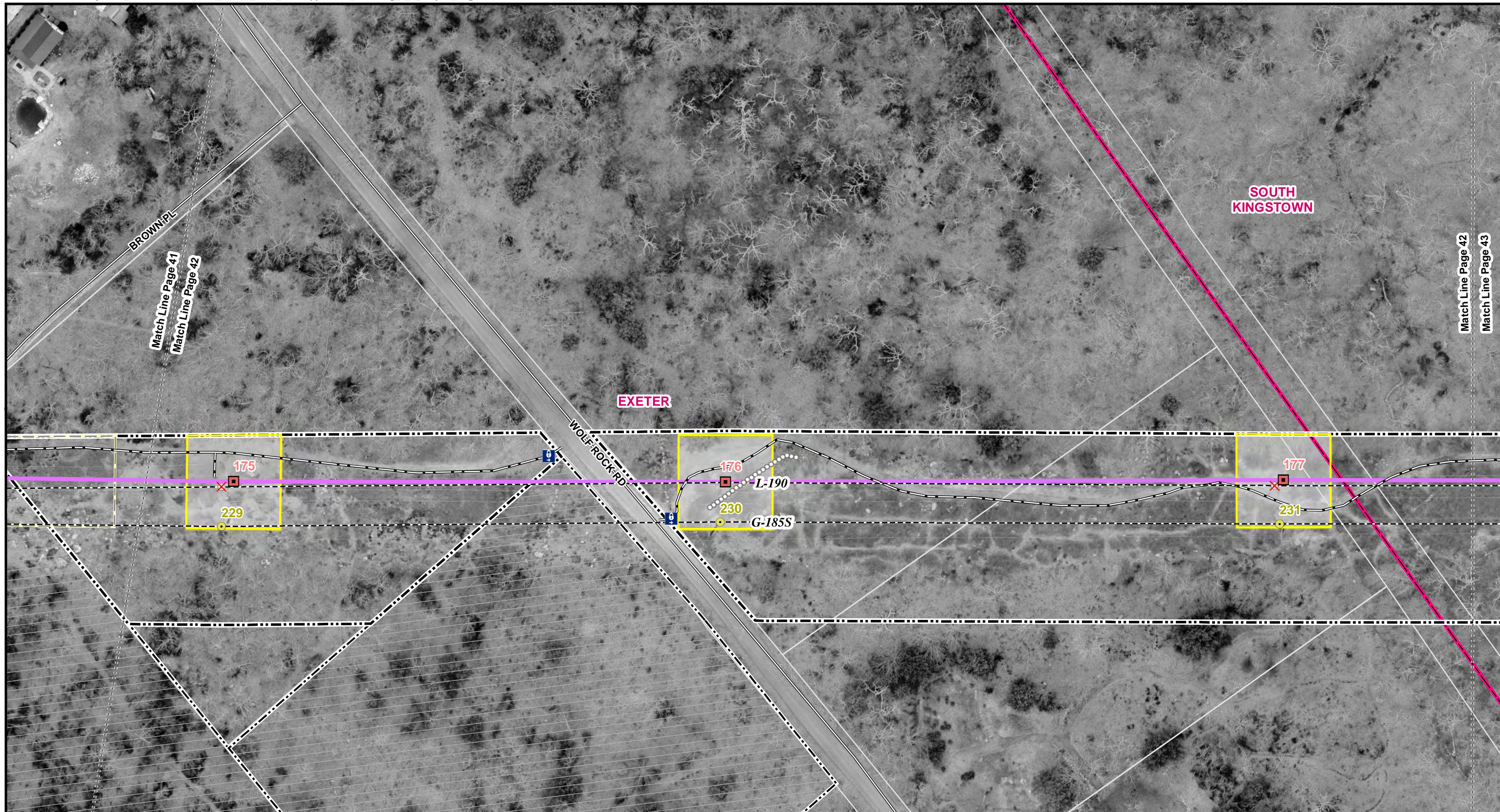
**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of Exeter

Date: June 2022 **NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020  
\*Indicates Layers Set to Transparency

**The Narragansett Electric Company**



<ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Existing Structure</li> <li><span style="color: red;">✗</span> To Be Removed</li> <li><span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px;"></span> Remove/Install Structure</li> <li><span style="border-bottom: 2px solid purple; width: 20px; display: inline-block;"></span> L190 Asset Condition Refurbishment Project</li> <li><span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span> Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li><span style="border: 1px solid yellow; width: 20px; height: 10px; display: inline-block;"></span> Work Envelope with Minor Grading*</li> <li><span style="border: 1px solid green; width: 20px; height: 10px; display: inline-block;"></span> Pull Pad Work Envelope (Grading)</li> <li><span style="border: 1px dashed black; width: 20px; height: 10px; display: inline-block;"></span> National Grid Owned Land</li> <li><span style="border: 1px dotted black; width: 20px; height: 10px; display: inline-block;"></span> Existing Right of Way</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Local Road</li> <li><span style="border: 1px solid black; width: 20px; height: 10px; display: inline-block;"></span> Parcel Boundary</li> <li><span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span> Stone Wall</li> <li><span style="border-bottom: 2px solid pink; width: 20px; display: inline-block;"></span> Town Boundary</li> <li><span style="border: 1px solid blue; width: 10px; height: 10px; display: inline-block;"></span> Access Gate</li> <li><span style="border-bottom: 1px dotted black; width: 20px; display: inline-block;"></span> Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Towns of Exeter and South Kingstown

Date: June 2022

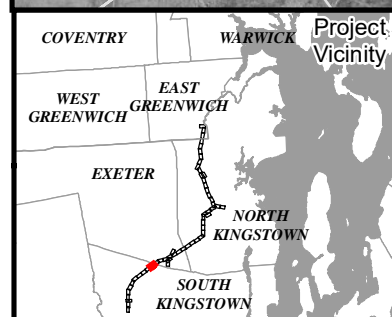
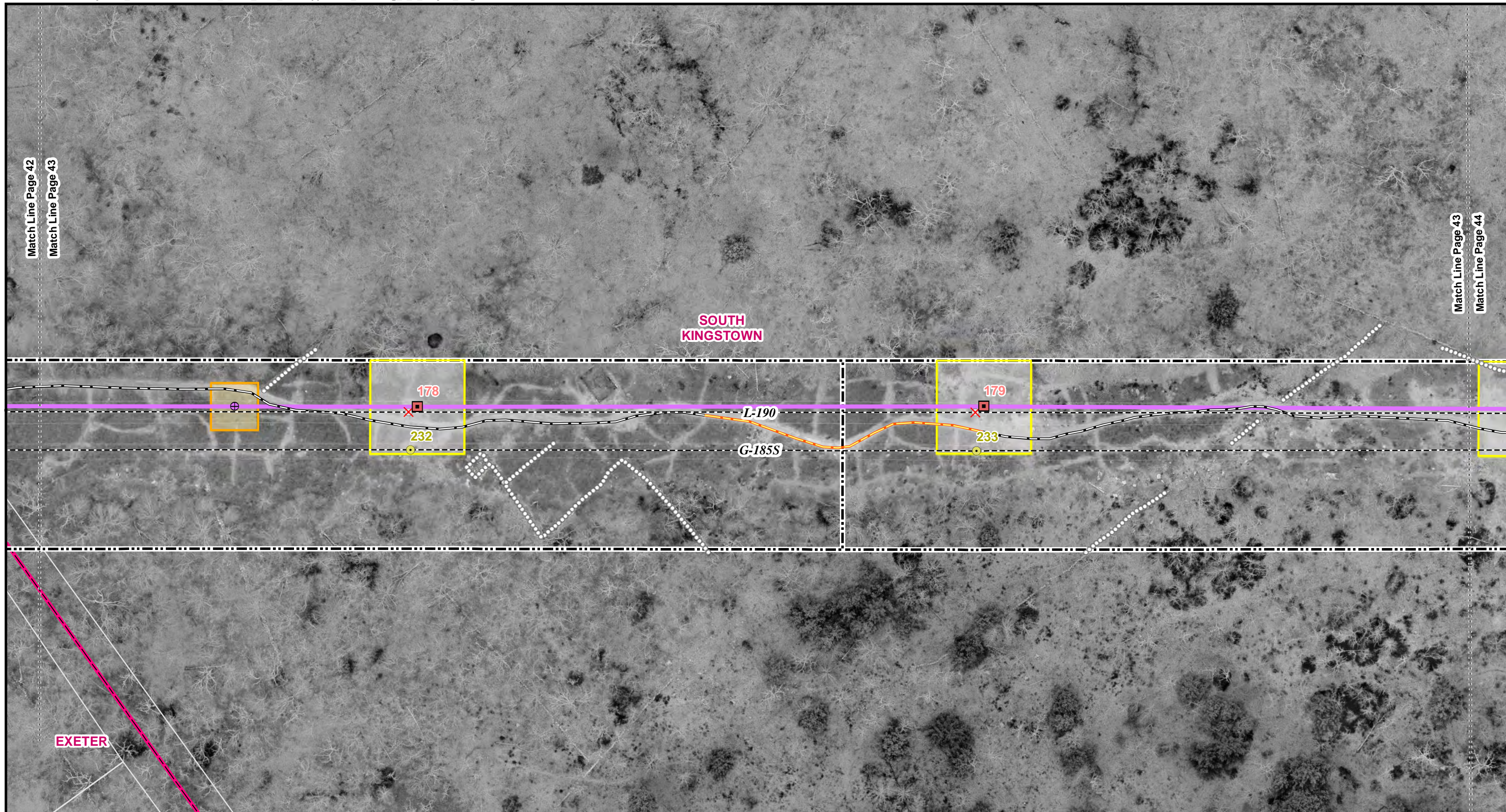
**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

*\*Indicates Layers Set to Transparency*

The Narragansett Electric Company





<ul style="list-style-type: none"> <li> Splice or Sleeve Location</li> <li> Existing Structure</li> <li> To Be Removed</li> <li> Remove/Install Structure</li> <li> L190 Asset Condition Refurbishment Project</li> <li> Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li> Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li> Type 1: New or upgrade to 16-foot Wide Access Road</li> <li> Work Envelope (Mow Only)*</li> <li> Work Envelope with Minor Grading*</li> <li> Existing Right of Way</li> </ul>	<ul style="list-style-type: none"> <li> Parcel Boundary</li> <li> Stone Wall</li> <li> Town Boundary</li> <li> Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of South Kingstown

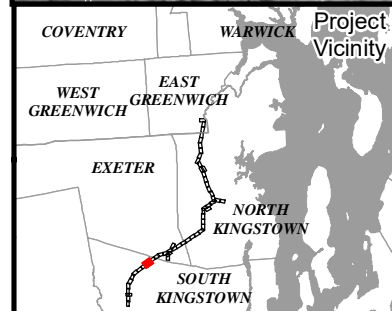
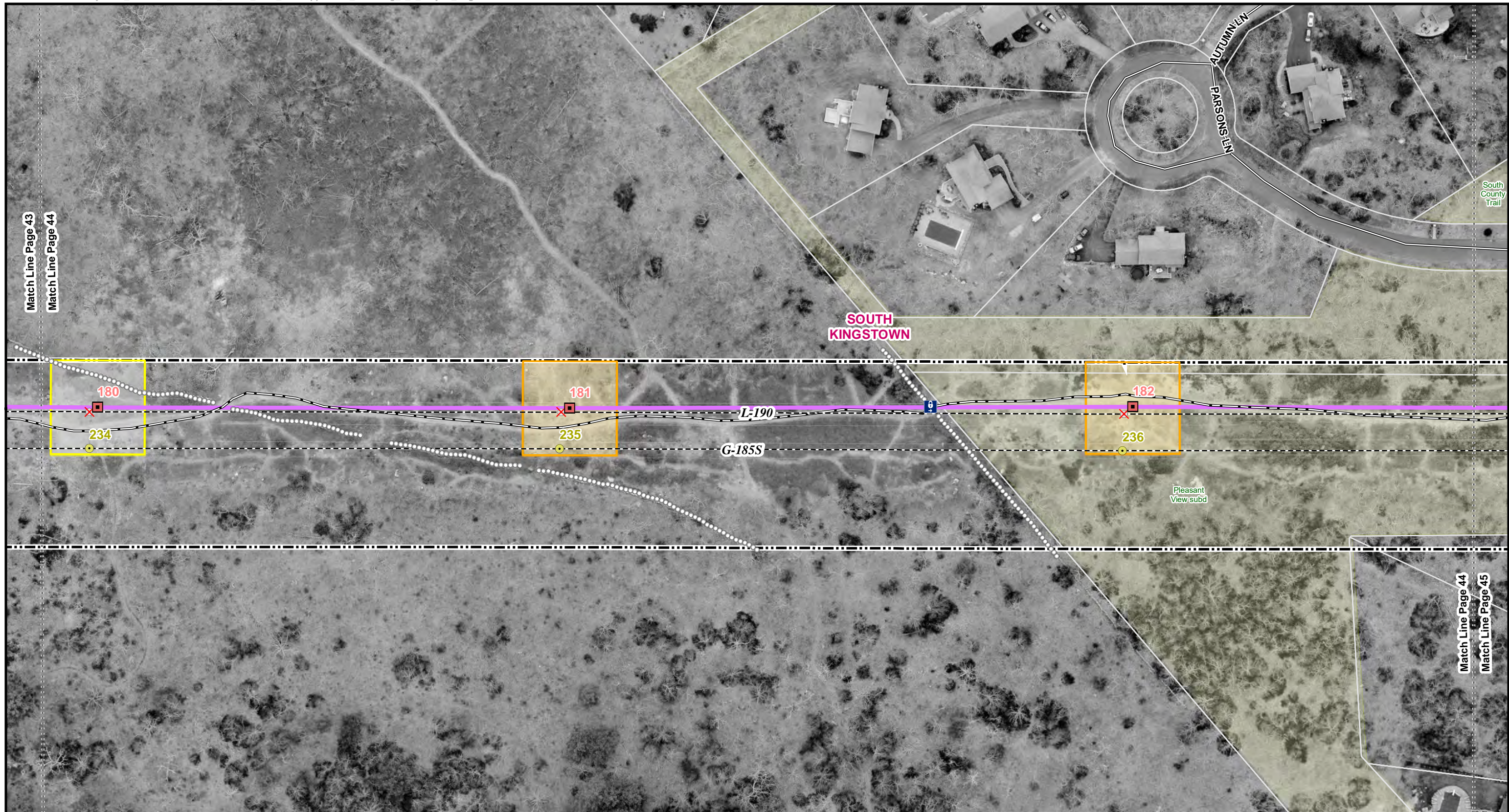
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Existing Structure</li> <li><span style="color: red;">✗</span> To Be Removed</li> <li><span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px;"></span> Remove/Install Structure</li> <li><span style="background-color: purple; width: 10px; height: 10px; display: inline-block;"></span> L190 Asset Condition Refurbishment Project</li> <li><span style="border-bottom: 1px dashed black; width: 10px; display: inline-block;"></span> Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li><span style="border: 1px solid orange; width: 10px; height: 10px; display: inline-block;"></span> Work Envelope (Mow Only)*</li> <li><span style="border: 1px solid yellow; width: 10px; height: 10px; display: inline-block;"></span> Work Envelope with Minor Grading*</li> <li><span style="border: 1px dashed black; width: 10px; height: 10px; display: inline-block;"></span> Existing Right of Way</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Local Road</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span> Parcel Boundary</li> <li><span style="border-bottom: 1px dotted black; width: 10px; display: inline-block;"></span> Stone Wall</li> <li><span style="border: 1px solid blue; width: 10px; height: 10px; display: inline-block;"></span> Access Gate</li> <li><span style="border: 1px solid yellow; width: 10px; height: 10px; display: inline-block;"></span> Local Conservation Area *</li> <li><span style="border-bottom: 1px dotted black; width: 10px; display: inline-block;"></span> Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of South Kingstown

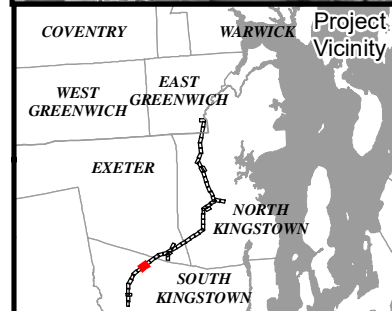
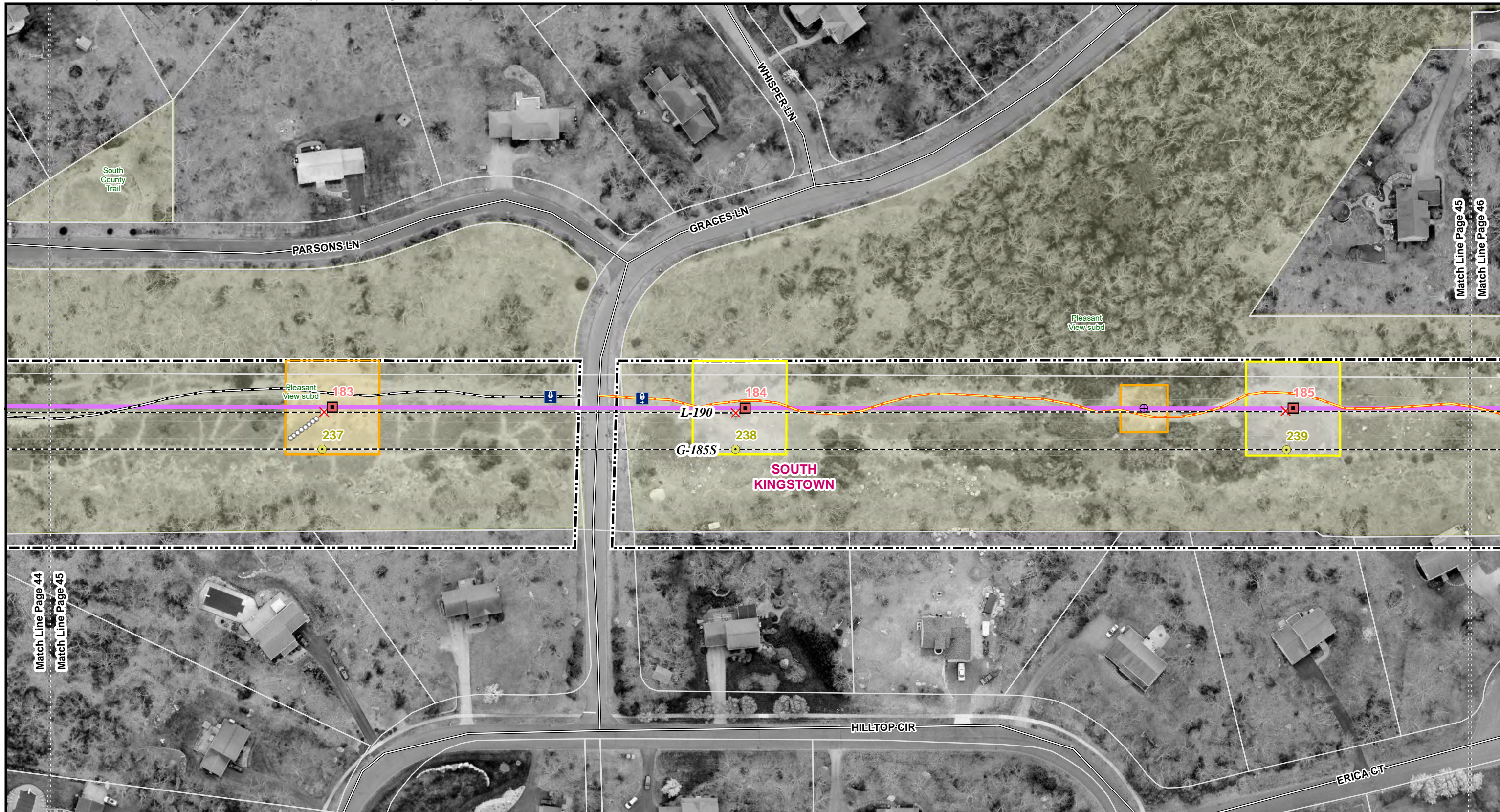
Date: June 2022

**NOT FOR CONSTRUCTION**

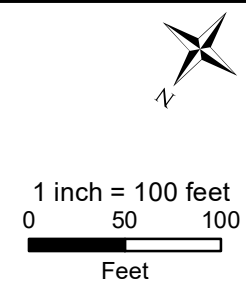
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li> Splice or Sleeve Location</li> <li> Existing Structure</li> <li> To Be Removed</li> <li> Remove/Install Structure</li> <li> L190 Asset Condition Refurbishment Project</li> <li> Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li> Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li> Type 1: New or upgrade to 16-foot Wide Access Road</li> <li> Work Envelope (Mow Only)*</li> <li> Work Envelope with Minor Grading*</li> <li> Existing Right of Way</li> </ul>	<ul style="list-style-type: none"> <li> Local Road</li> <li> Parcel Boundary</li> <li> Stone Wall</li> <li> Access Gate</li> <li> Local Conservation Area *</li> <li> Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of South Kingstown

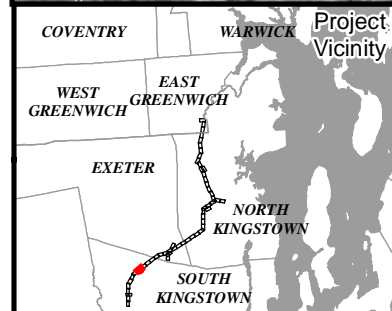
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li> Splice or Sleeve Location</li> <li> Existing Structure</li> <li> To Be Removed</li> <li> Remove/Install Structure</li> <li> L190 Asset Condition Refurbishment Project</li> <li> Existing Transmission Line</li> <li> Type R: Repair within Existing Road Base</li> </ul>	<ul style="list-style-type: none"> <li> Type 1: New or upgrade to 16-foot Wide Access Road</li> <li> Work Envelope (Mow Only)*</li> <li> Work Envelope with Minor Grading*</li> <li> Construction Matting</li> <li> Existing Right of Way</li> <li> Local Road</li> <li> Parcel Boundary</li> </ul>	<ul style="list-style-type: none"> <li> Stone Wall</li> <li> Mean Annual High Water Line</li> <li> Wetland Border</li> <li> Riverbank Area</li> <li> 50 ft Perimeter Wetland</li> <li> Perennial Stream (NHD)</li> <li> Field Delineated Wetland*</li> </ul>	<ul style="list-style-type: none"> <li> FEMA - 100 Year Floodplain*</li> <li> State Conservation Area *</li> <li> Local Conservation Area *</li> <li> Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of South Kingstown

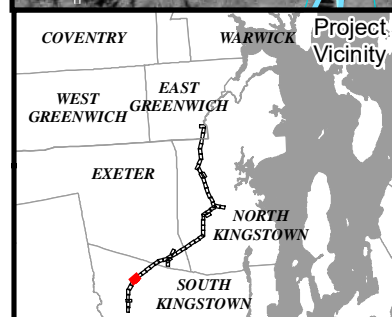
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type R: Repair within Existing Road Base</li> <li>Install New Access Road</li> <li>Work Envelope (Mow Only)*</li> </ul>	<ul style="list-style-type: none"> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Geotextile and Fill</li> <li>Construction Matting</li> <li>Landscape Matting</li> <li>Existing Right of Way</li> <li>State Highway</li> <li>Local Road</li> </ul>	<ul style="list-style-type: none"> <li>Parcel Boundary</li> <li>Potential Vernal Pool (Field Identified)</li> <li>Mean Annual High Water Line</li> <li>Area Subject to Storm Flowage (ASSF)</li> <li>Wetland Border</li> <li>Riverbank Area</li> </ul>	<ul style="list-style-type: none"> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Delineated Open Water</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>State Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 47 of 54

State of Rhode Island, Washington County  
Town of South Kingstown

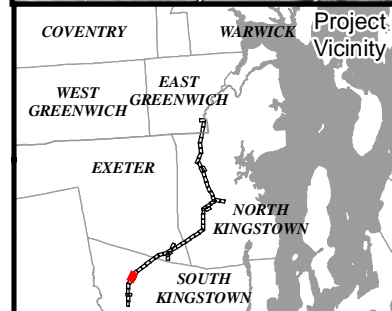
Date: June 2022

**NOT FOR CONSTRUCTION**

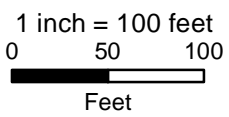
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

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Existing Structure	Type 1: New or upgrade to 16-foot Wide Access Road	Landscape Matting	50 ft Perimeter Wetland
To Be Removed	Overland Access (Drive and Crush)	Existing Right of Way	Field Delineated Wetland*
Remove/Install Structure	Work Envelope (Mow Only)*	Local Road	State Conservation Area *
L190 Asset Condition Refurbishment Project	Pull Pad Work Envelope (Mow Only)	Parcel Boundary	Local Conservation Area *
Existing Transmission Line	Geotextile and Fill	Potential Vernal Pool (Field Identified)	Map Sheet Matchline
Existing Access - No Improvements		Wetland Border	



**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of South Kingstown

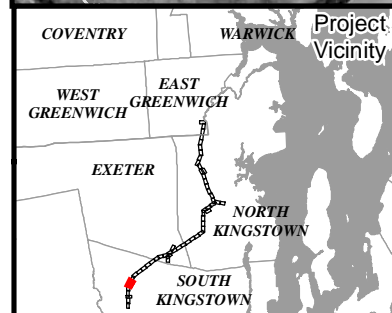
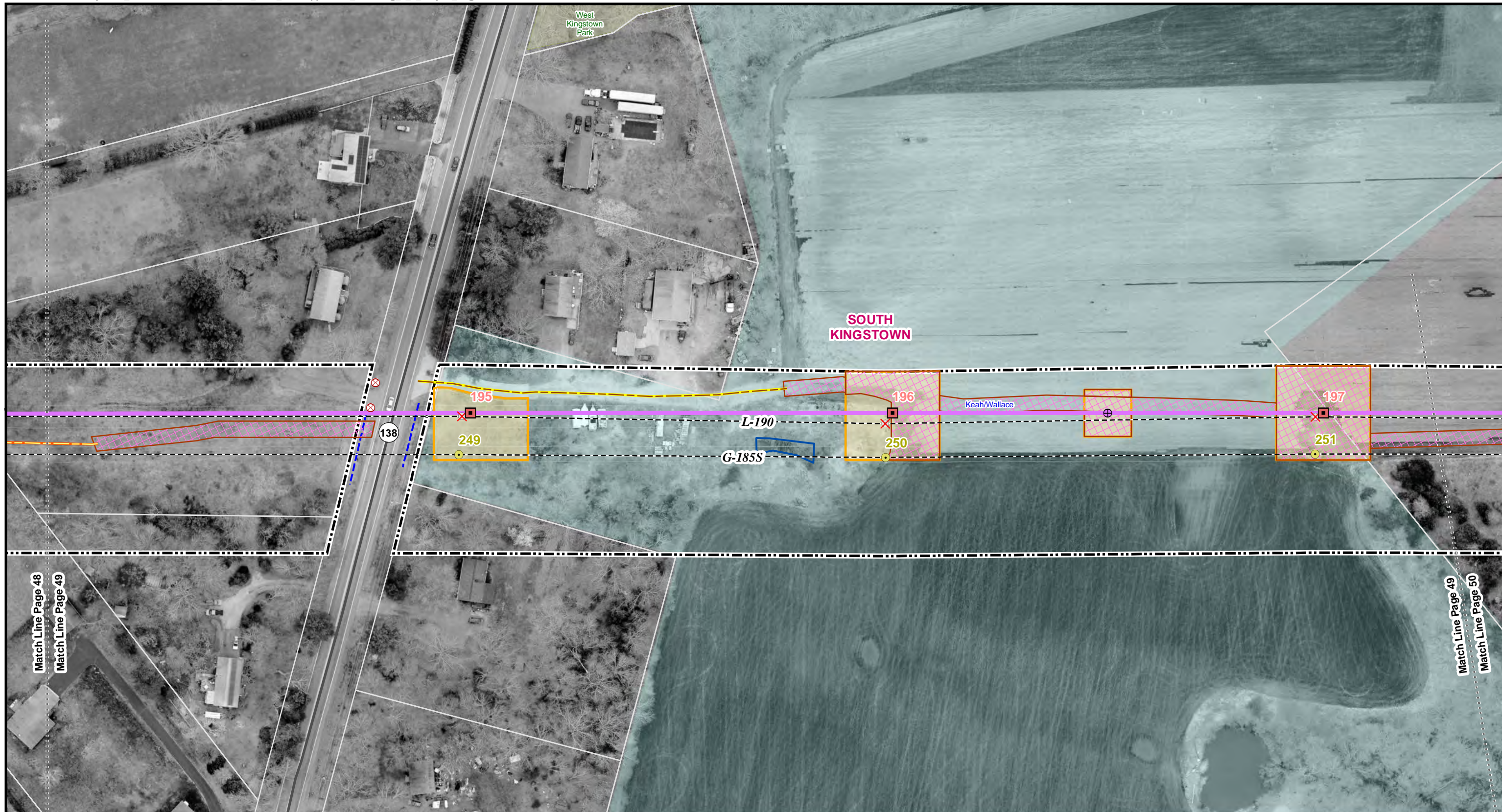
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company  
**POWER ENGINEERS**



<ul style="list-style-type: none"> <li> Splice or Sleeve Location</li> <li> Existing Structure</li> <li> To Be Removed</li> <li> Remove/Install Structure</li> <li> L190 Asset Condition Refurbishment Project</li> <li> Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li> Existing Access - No Improvements</li> <li> Type 1: New or upgrade to 16-foot Wide Access Road</li> <li> Work Envelope (Mow Only)*</li> <li> Landscape Matting</li> <li> Existing Right of Way</li> </ul>	<ul style="list-style-type: none"> <li> State Highway</li> <li> Parcel Boundary</li> <li> Existing Culvert</li> <li> Ditch</li> <li> Area Subject to Flooding (ASF)</li> <li> State Conservation Area *</li> </ul>	<ul style="list-style-type: none"> <li> Local Conservation Area *</li> <li> Map Sheet Matchline</li> </ul>
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1 inch = 100 feet  
0 50 100  
Feet

**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 49 of 54

State of Rhode Island, Washington County  
Town of South Kingstown

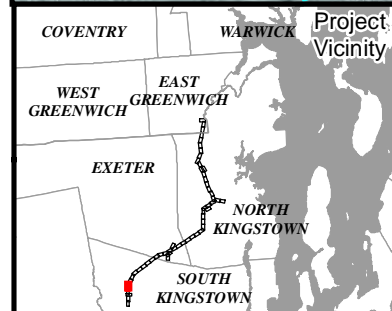
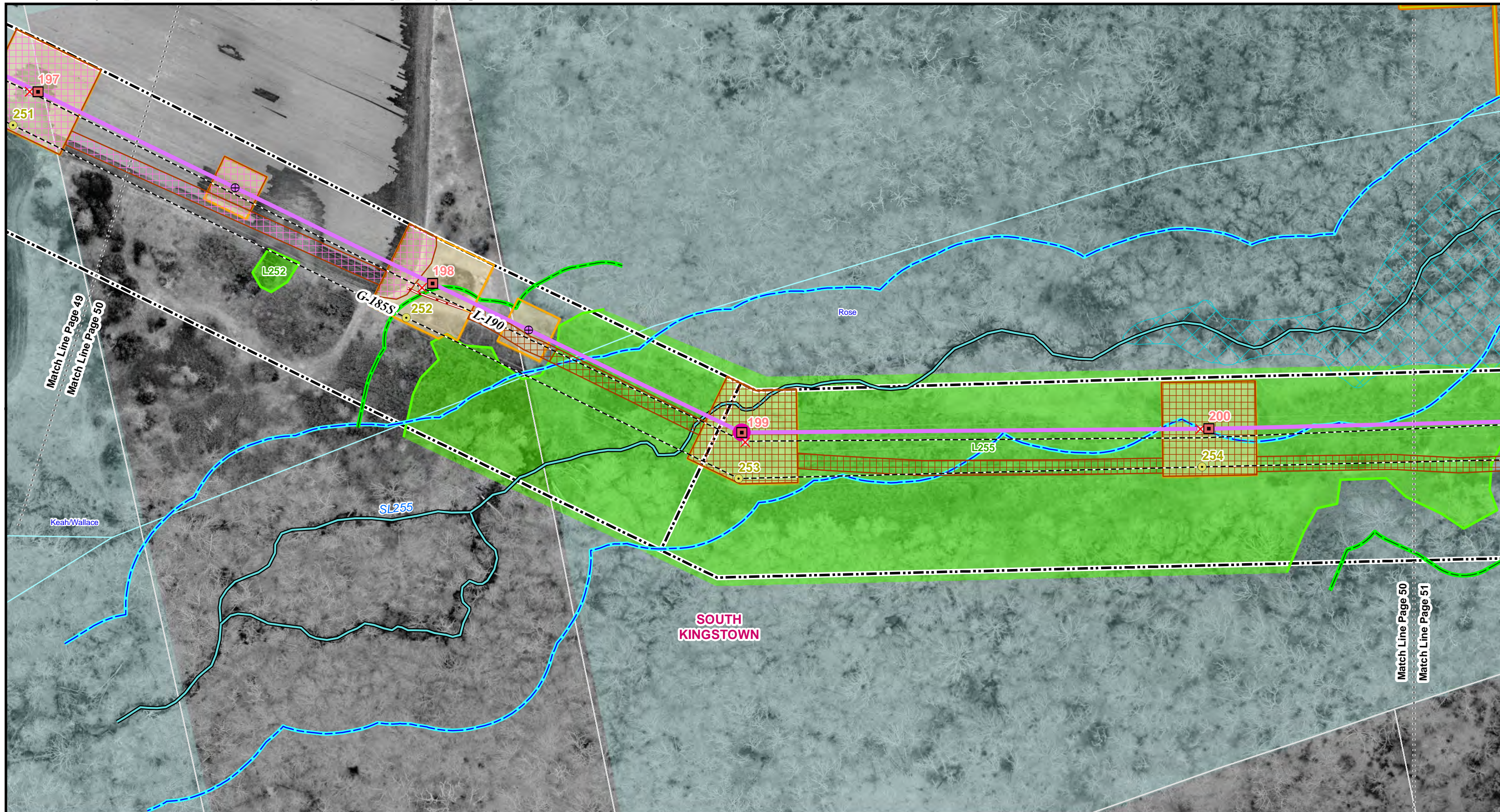
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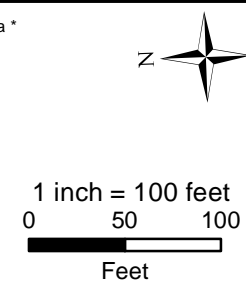
Imagery Source: University of Rhode Island, April 2020

*\*Indicates Layers Set to Transparency*

The Narragansett Electric Company



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> </ul>	<ul style="list-style-type: none"> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> </ul>	<ul style="list-style-type: none"> <li>Construction Matting</li> <li>Landscape Matting</li> <li>Existing Right of Way</li> <li>Parcel Boundary</li> <li>Perennial Stream or River</li> <li>Wetland Border</li> </ul>	<ul style="list-style-type: none"> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> </ul>	<ul style="list-style-type: none"> <li>State Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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### L190 ASSET CONDITION REFURBISHMENT PROJECT

Figure 3-1 Project Alignment Drawings  
Page 50 of 54

State of Rhode Island, Washington County  
Town of South Kingstown

Date: June 2022

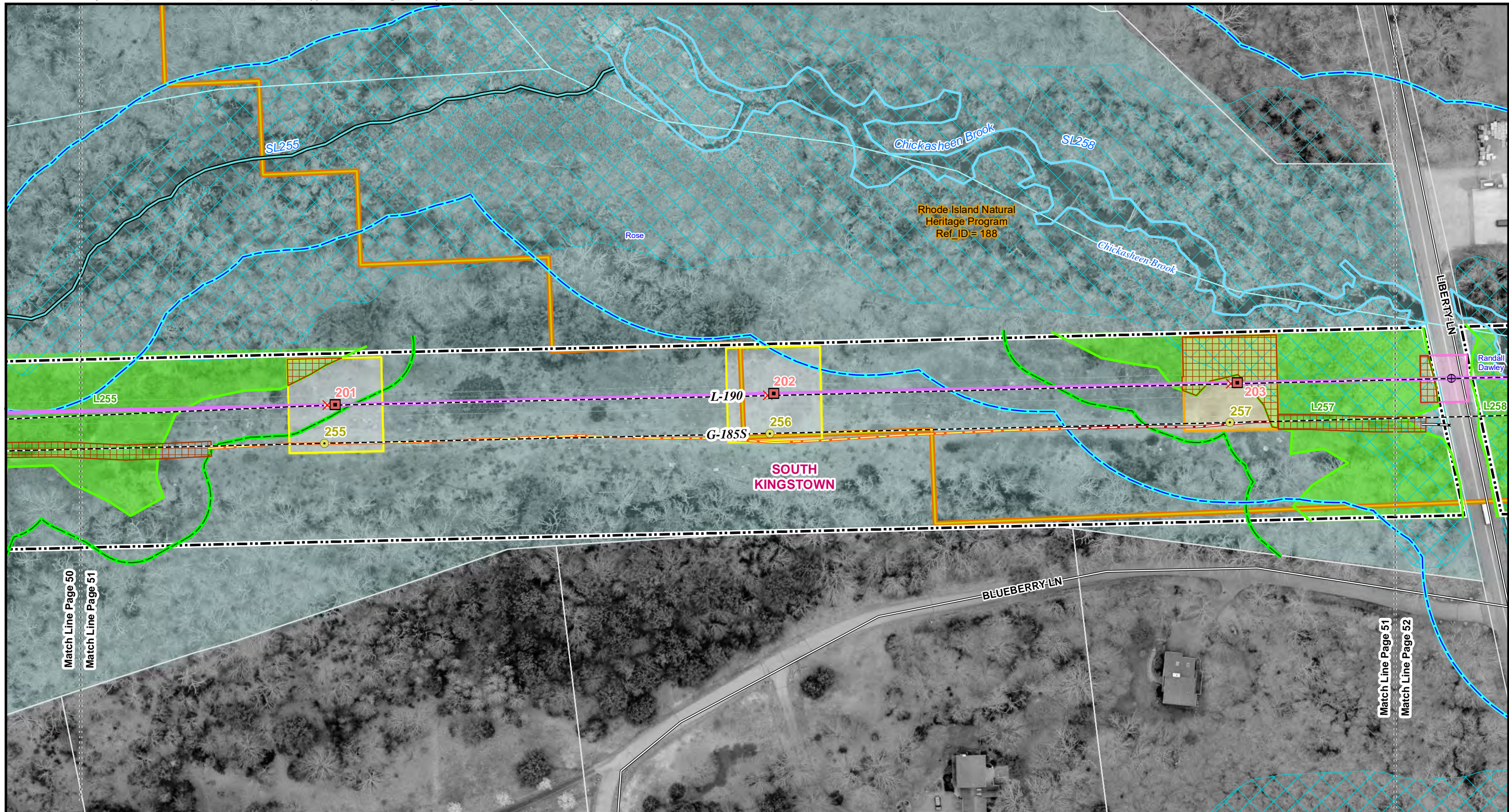
**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

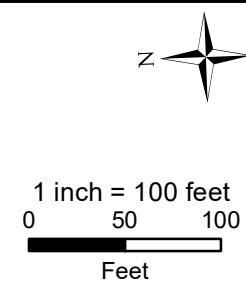
\*Indicates Layers Set to Transparency

The Narragansett Electric Company





<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> </ul>	<ul style="list-style-type: none"> <li>Type R: Repair within Existing Road Base</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Work Envelope - Public Roadway</li> <li>Construction Matting</li> <li>Existing Right of Way</li> </ul>	<ul style="list-style-type: none"> <li>Local Road</li> <li>Parcel Boundary</li> <li>Perennial Stream or River</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> </ul>	<ul style="list-style-type: none"> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> <li>State Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of South Kingstown

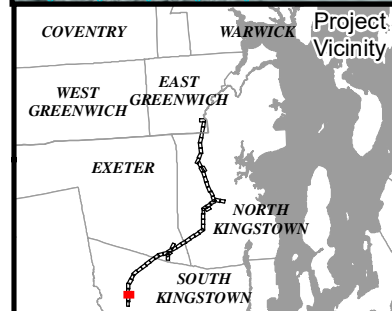
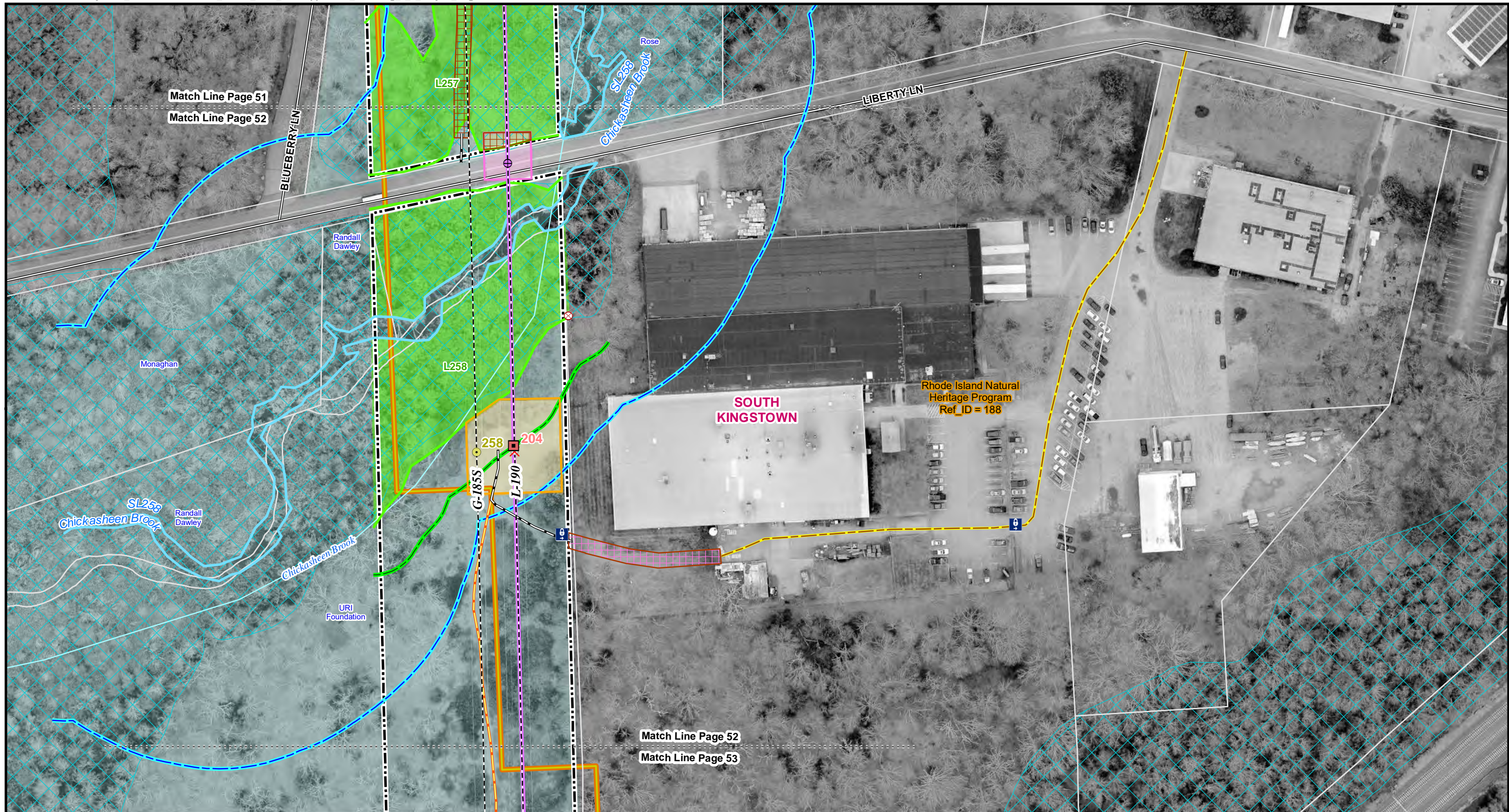
Date: June 2022

**NOT FOR CONSTRUCTION**

Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company  
**POWER ENGINEERS**



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> <li>Existing Access - No Improvements</li> </ul>	<ul style="list-style-type: none"> <li>Type S: Improve Existing Stone Only, No Grading (Widen to 16' Base)</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope - Public Roadway</li> <li>Construction Matting</li> <li>Landscape Matting</li> </ul>	<ul style="list-style-type: none"> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Existing Culvert</li> <li>Access Gate</li> <li>Mean Annual High Water Line</li> <li>Wetland Border</li> </ul>	<ul style="list-style-type: none"> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Perennial Stream (NHD)</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> <li>State Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of South Kingstown

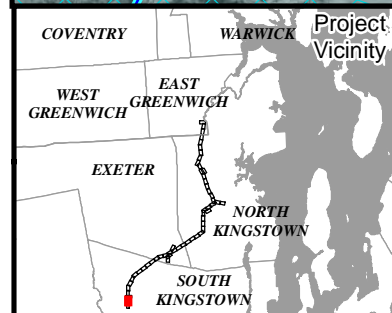
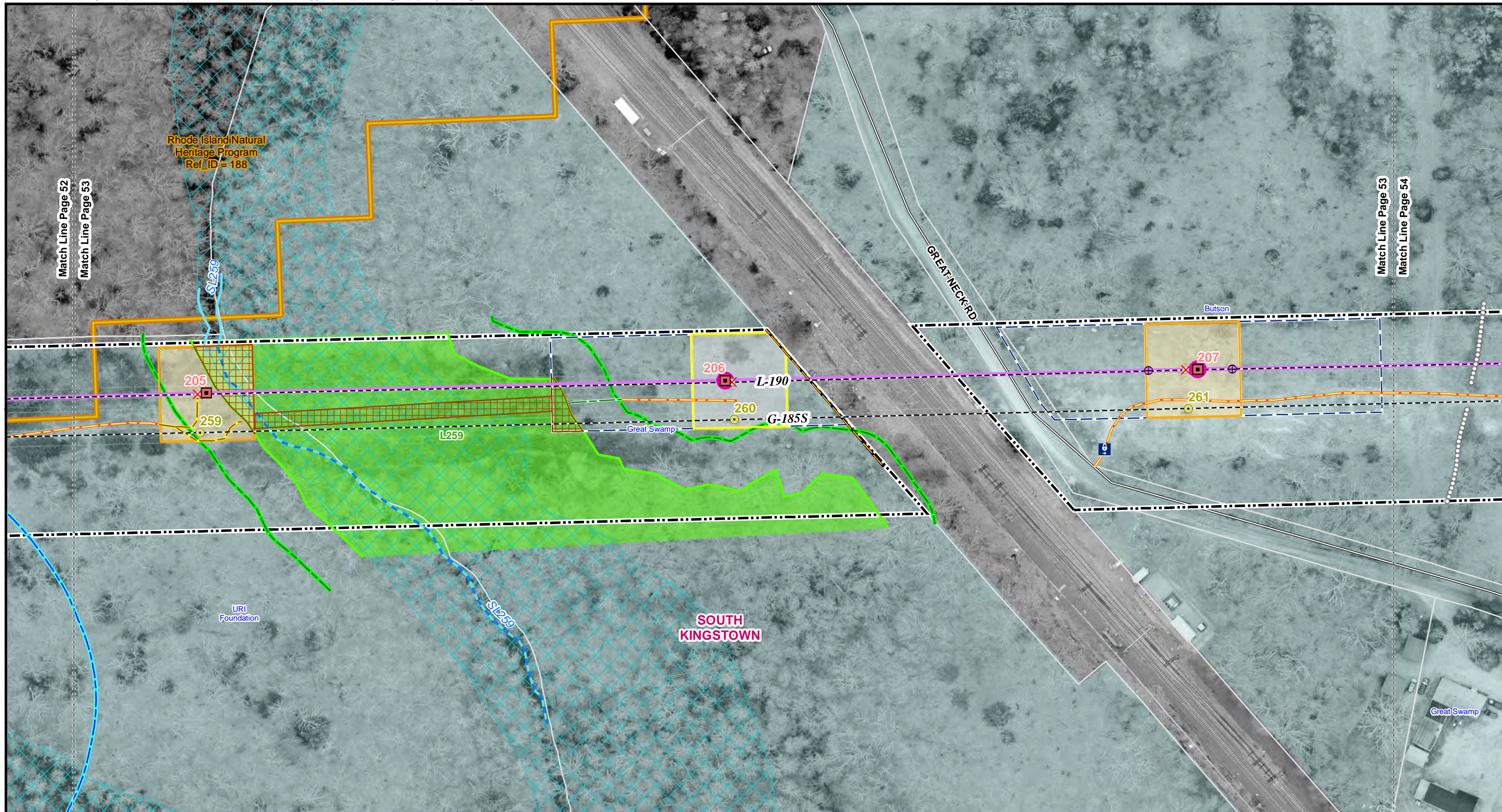
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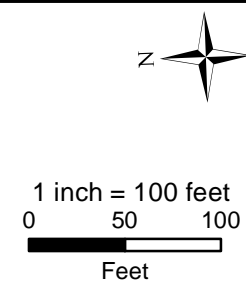
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company



<ul style="list-style-type: none"> <li>Splice or Sleeve Location</li> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Overland Access (Drive and Crush)</li> <li>Orange Barrier Fencing</li> <li>Work Envelope (Mow Only)*</li> <li>Work Envelope with Minor Grading*</li> <li>Pull Pad Work Envelope (Mow Only)</li> </ul>	<ul style="list-style-type: none"> <li>Construction Matting</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Stone Wall</li> <li>Access Gate</li> <li>Mean Annual High Water Line</li> <li>Intermittent Stream</li> </ul>	<ul style="list-style-type: none"> <li>Wetland Border</li> <li>Riverbank Area</li> <li>50 ft Perimeter Wetland</li> <li>Field Delineated Wetland*</li> <li>FEMA - 100 Year Floodplain*</li> <li>Natural Heritage Area</li> <li>State Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
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State of Rhode Island, Washington County  
Town of South Kingstown

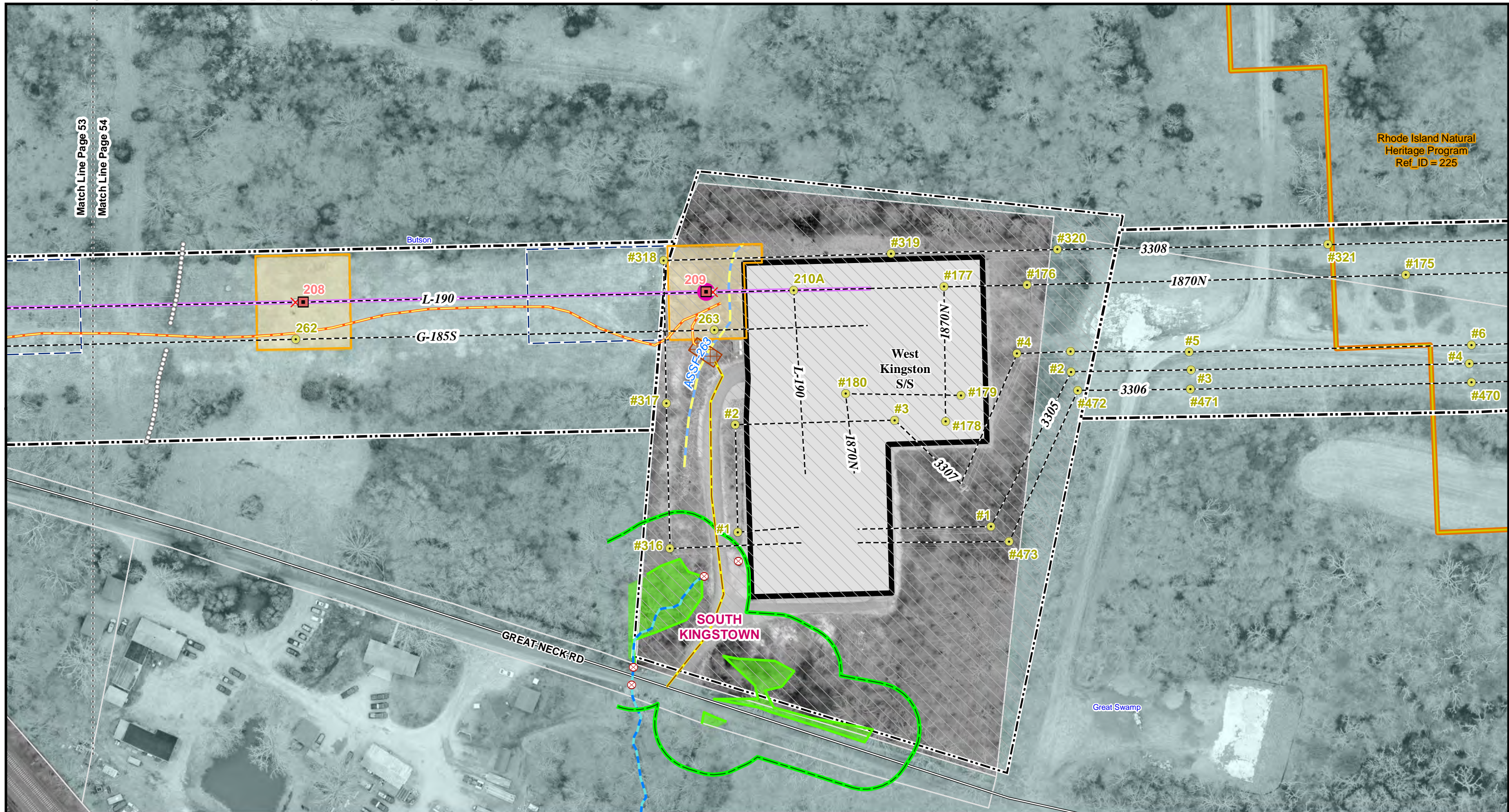
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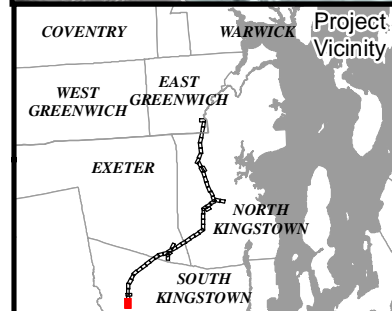
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company  
**POWER ENGINEERS**



Rhode Island Natural Heritage Program  
Ref\_ID = 225



<ul style="list-style-type: none"> <li>Existing Structure</li> <li>To Be Removed</li> <li>Remove/Install Structure</li> <li>Structure with Concrete Foundation</li> <li>L190 Asset Condition Refurbishment Project</li> <li>Existing Transmission Line</li> </ul>	<ul style="list-style-type: none"> <li>Existing Access - No Improvements</li> <li>Type 1: New or upgrade to 16-foot Wide Access Road</li> <li>Work Envelope (Mow Only)*</li> <li>Pull Pad Work Envelope (Mow Only)</li> <li>Construction Matting</li> <li>Substation or Switching Station</li> </ul>	<ul style="list-style-type: none"> <li>National Grid Owned Land</li> <li>Existing Right of Way</li> <li>Local Road</li> <li>Parcel Boundary</li> <li>Stone Wall</li> <li>Existing Culvert</li> <li>Intermittent Stream</li> </ul>	<ul style="list-style-type: none"> <li>Area Subject to Storm Flowage (ASSF)</li> <li>Wetland Border</li> <li>50 ft Perimeter Wetland</li> <li>Field Delineated Wetland*</li> <li>Natural Heritage Area</li> <li>State Conservation Area *</li> <li>Map Sheet Matchline</li> </ul>
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**L190 ASSET CONDITION REFURBISHMENT PROJECT**

**Figure 3-1 Project Alignment Drawings**  
Page 54 of 54

State of Rhode Island, Washington County  
Town of South Kingstown

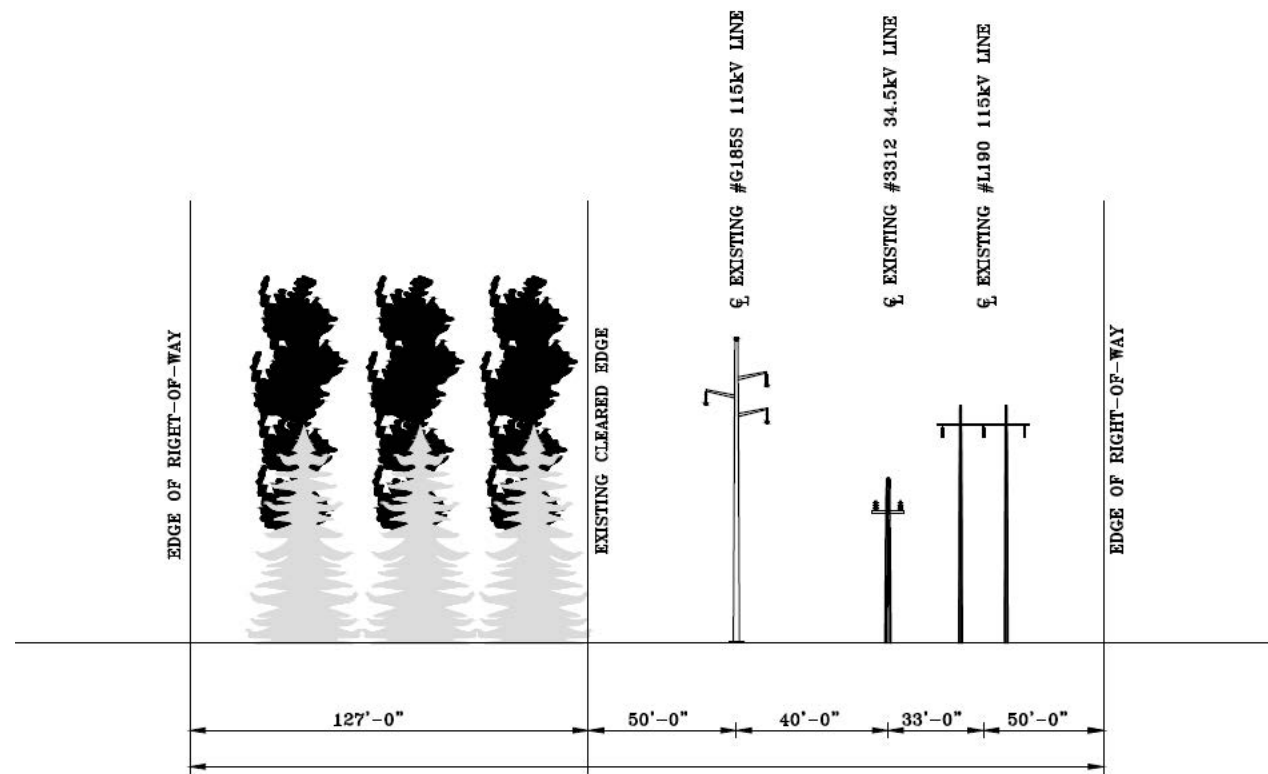
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**NOT FOR CONSTRUCTION**

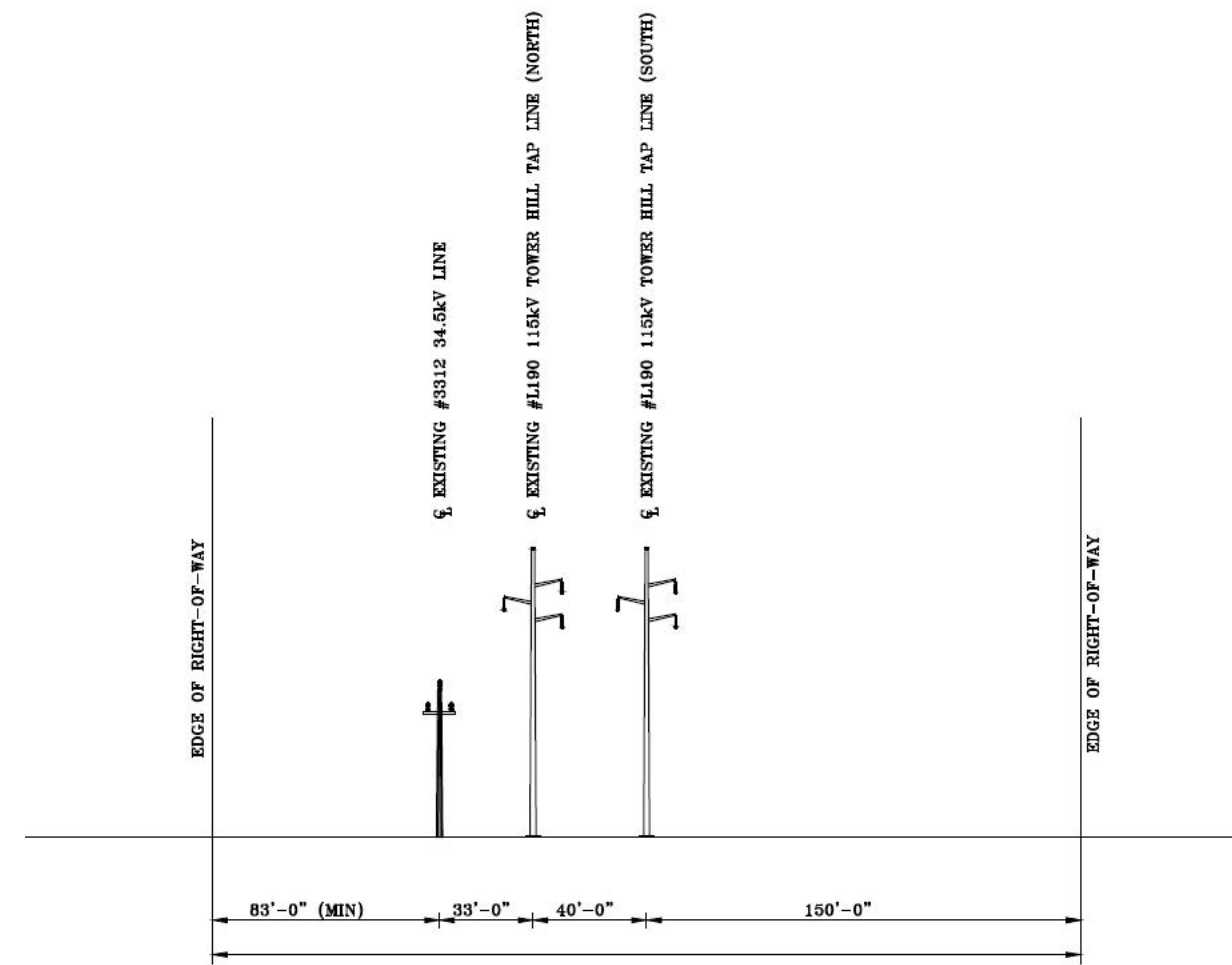
Imagery Source: University of Rhode Island, April 2020

\*Indicates Layers Set to Transparency

The Narragansett Electric Company

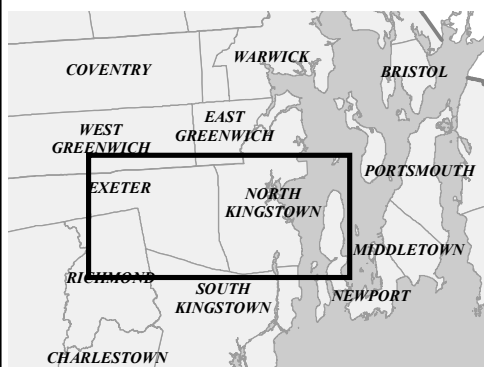


300' RIGHT-OF-WAY  
 CROSS-SECTION SHOWING TYPICAL ARRANGEMENT OF LINES  
 BETWEEN DAVISVILLE TAP POINT AND TOWER HILL TAP POINT  
 FACING NORTH



300' RIGHT-OF-WAY (APPROX.)  
 CROSS SECTION SHOWING TYPICAL ARRANGEMENT OF LINES  
 BETWEEN TOWER HILL TAP POINT AND TOWER HILL SUBSTATION  
 FACING EAST

Project Vicinity



L190 Asset Condition Refurbishment Project

Figure 3-2 Typical Structure Details

Towns of East Greenwich, North Kingstown, Exeter, and South Kingstown  
 Kent and Washington Counties:  
 State of Rhode Island

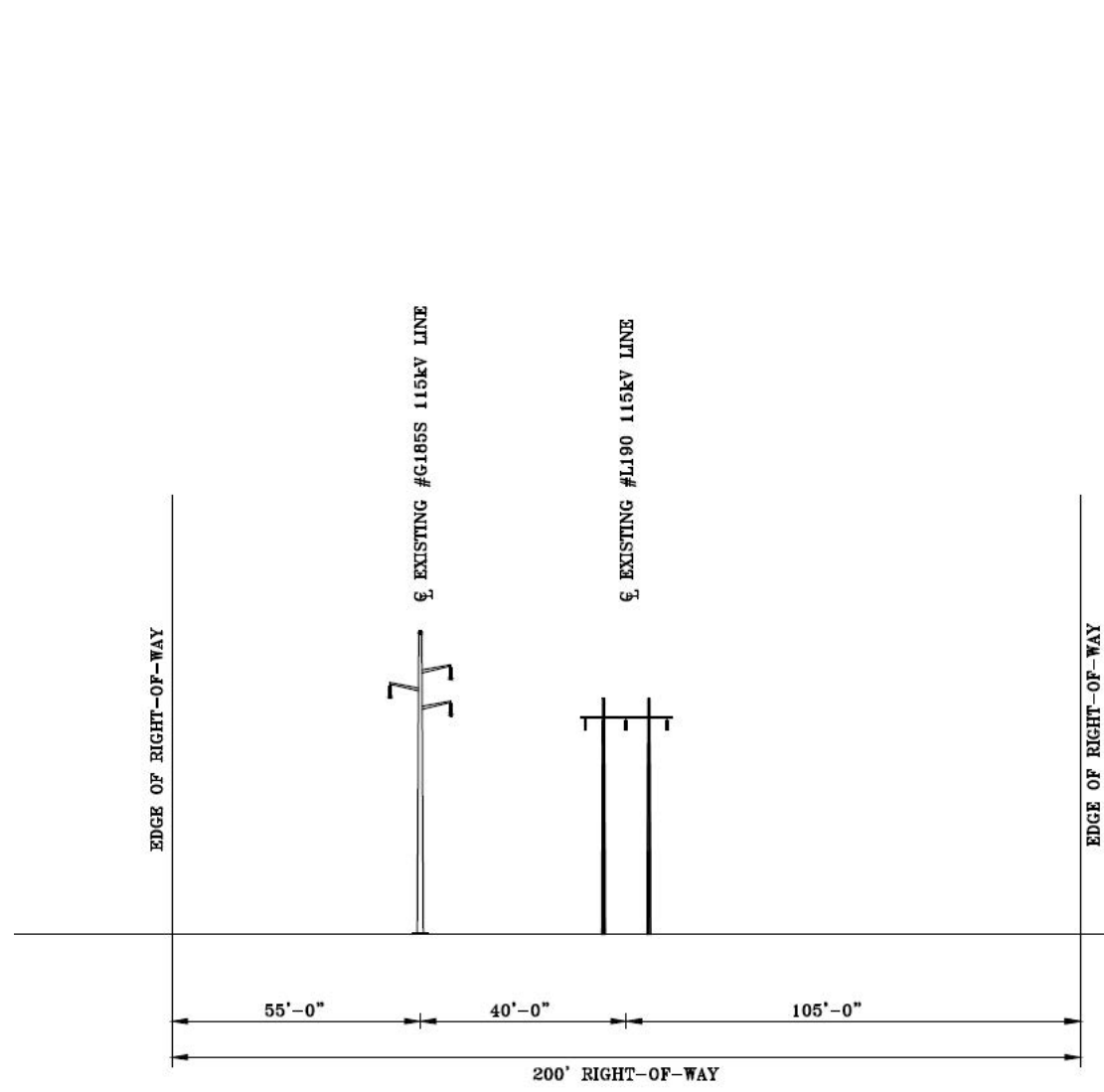
**POWER ENGINEERS**  
 NAD 1983 UTM Zone 18N USFt  
 Foot US  
 Transverse Mercator  
 North American 1983



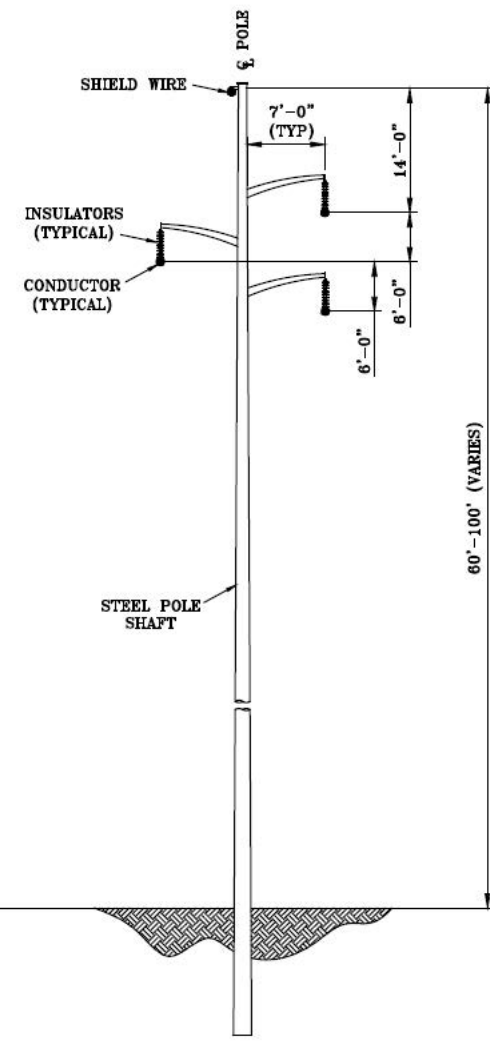
The Narragansett  
 Electric Company  
**NOT FOR  
 CONSTRUCTION**

Date: June 2022

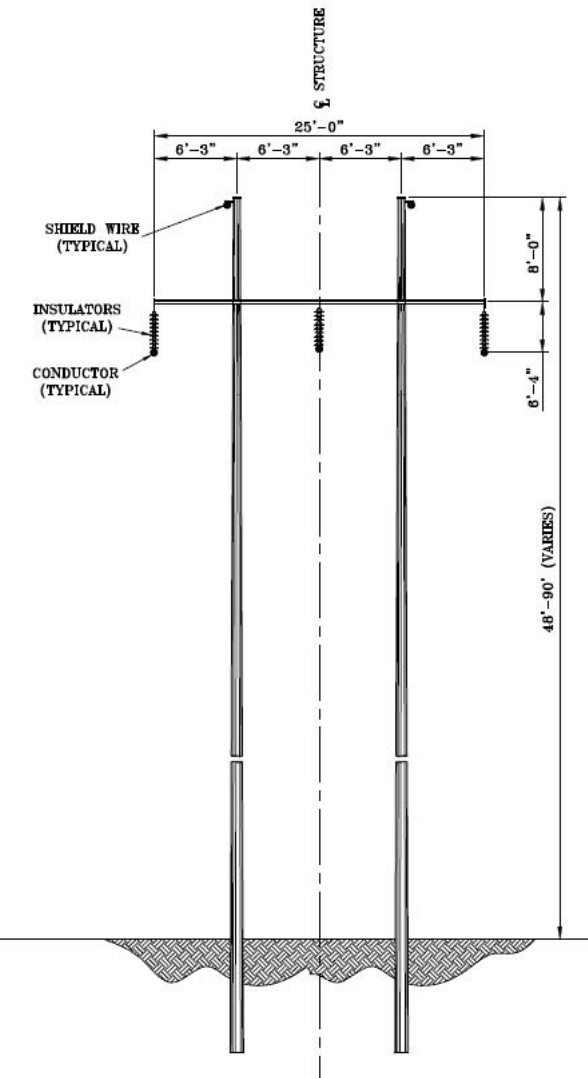
Author: TDH



CROSS SECTION SHOWING TYPICAL ARRANGEMENT OF LINES BETWEEN TOWER HILL TAP POINT AND WEST KINGSTON SUBSTATION FACING NORTH

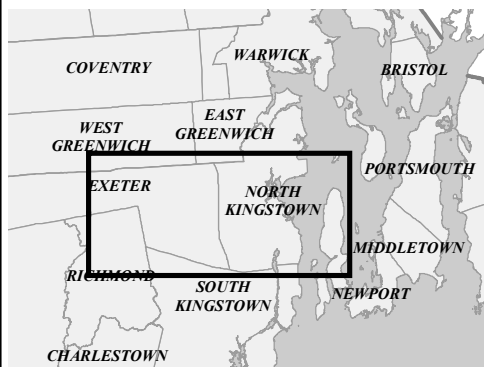


TYPICAL STRUCTURE FACING NORTH (G185S)



TYPICAL STRUCTURE FACING NORTH

Project Vicinity



L190 Asset Condition Refurbishment Project

Figure 3-2 Typical Structure Details

Towns of East Greenwich, North Kingstown, Exeter, and South Kingstown  
Kent and Washington Counties:  
State of Rhode Island



NAD 1983 UTM Zone 18N USFt  
Foot US  
Transverse Mercator  
North American 1983



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Electric Company  
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CONSTRUCTION**

Date: June 2022

Author: TDH

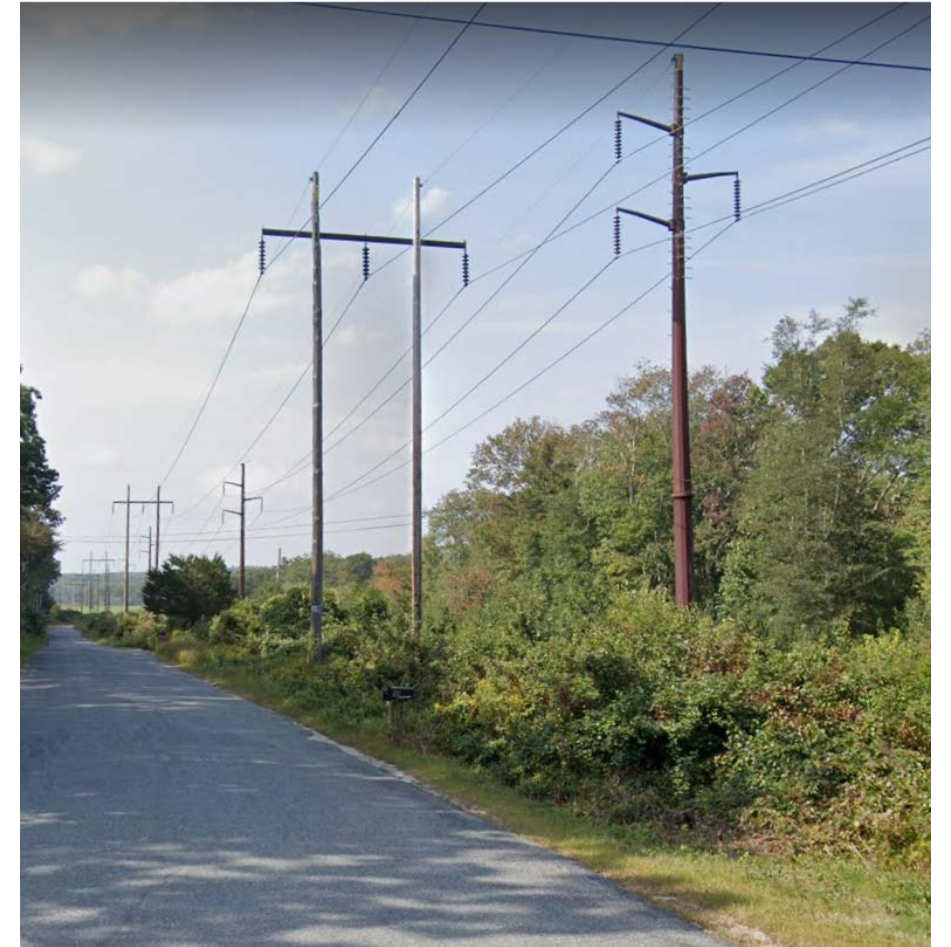
Path: G:\Projects\0\_NationalGrid\173531\_G185S\_L190\_ACR\Apps\L190\_EFSB\Fig. 3-2\_Structure\_Details.mxd



Existing Wood Structure (Right Hand Side), South Road, East Greenwich



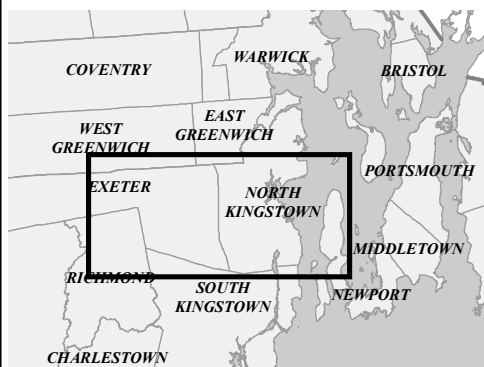
Existing Wood Structure (Right Hand Side), Stony Lane, North Kingstown



Existing Wood Structure (Left Hand Side), Gladys Kenyon Road, North Kingstown

Path: G:\Projects\0\_NationalGrid\173531\_G1855\_L190\_ACR\Appal190\_ET\SB\Fig\_3\_3\_Rep\_Photos.mxd

Project Vicinity



**L190 Asset Condition Refurbishment Project**

**Figure 3-3 Representative Photographs of Existing and Proposed Structures**

Towns of East Greenwich, North Kingstown, Exeter, and South Kingstown

Kent and Washington Counties:  
State of Rhode Island



NAD 1983 UTM Zone 18N USFt  
Foot US  
Transverse Mercator  
North American 1983



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CONSTRUCTION**

Date: May 2022

Author: TDH



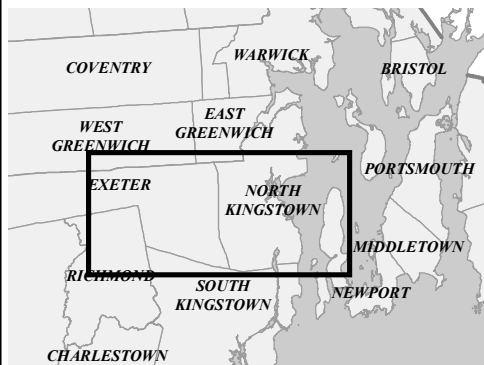
Existing Wood Structure (Left Hand Side), Waites Corner Road, South Kingstown



Proposed Structure  
Steel H-Frame

Path: G:\Projects\0\_NationalGrid\173531\_G1855\_L190\_ACRVApp\L190\_ETSB\Fig. 3\_3\_Rep\_Photos.mxd

Project Vicinity



**L190 Asset Condition Refurbishment Project**

**Figure 3-3 Representative Photographs of Existing and Proposed Structures**

Towns of East Greenwich, North Kingstown, Exeter, and South Kingstown  
Kent and Washington Counties:  
State of Rhode Island

**POWER ENGINEERS**  
NAD 1983 UTM Zone 18N USFt  
Foot US  
Transverse Mercator  
North American 1983

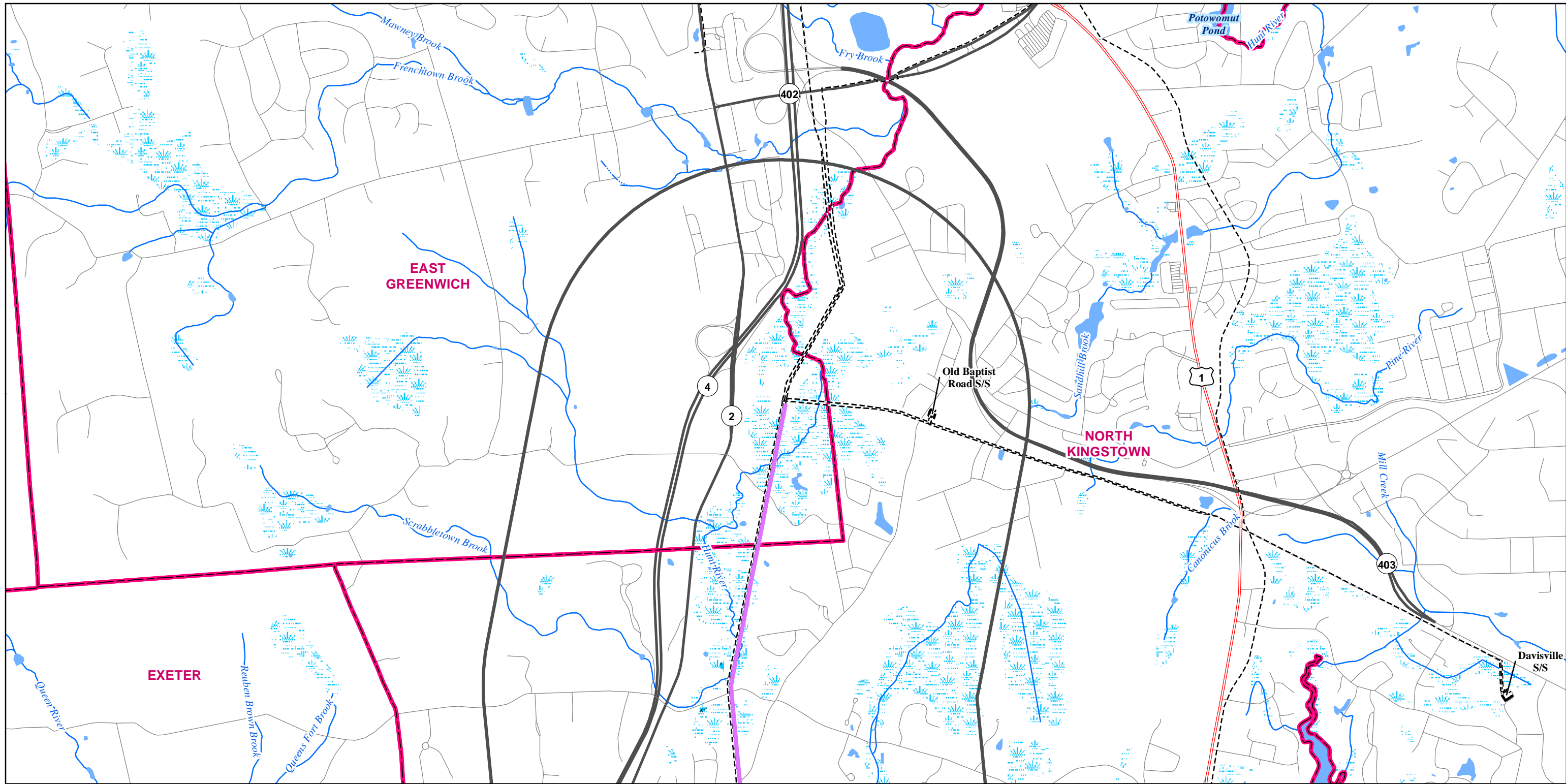


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Date: May 2022

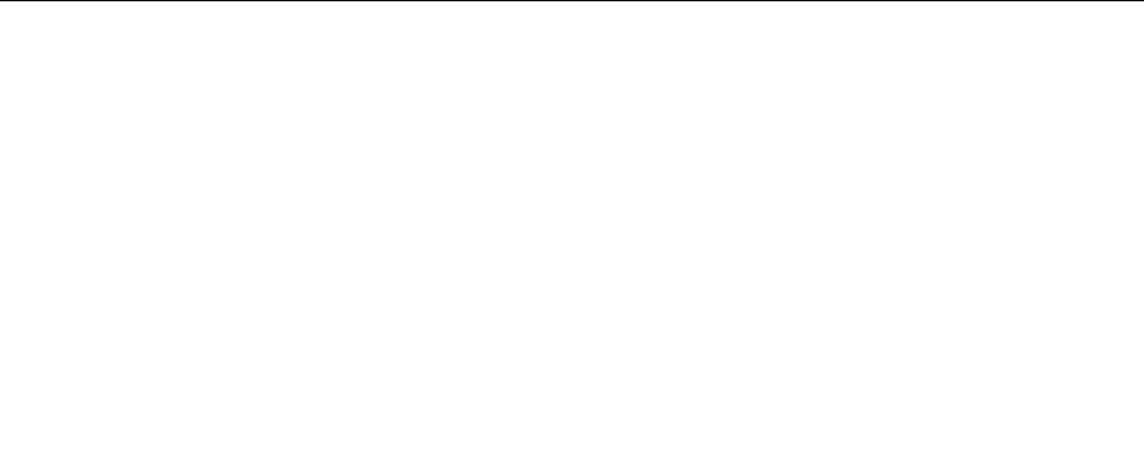
Author: TDH





**Legend**

L190 Transmission Line ACR Work Activities	State Highway
5000 Foot Study Area	Local Road
Existing Transmission Line	Perennial River or Stream (NHD)
Substation Site	Intermittent Stream (NHD)
Town Boundary	Lake, Pond, or Reservoir
US Highway	Swamp/Marsh



**FIGURE 5-1**

**Study Area**

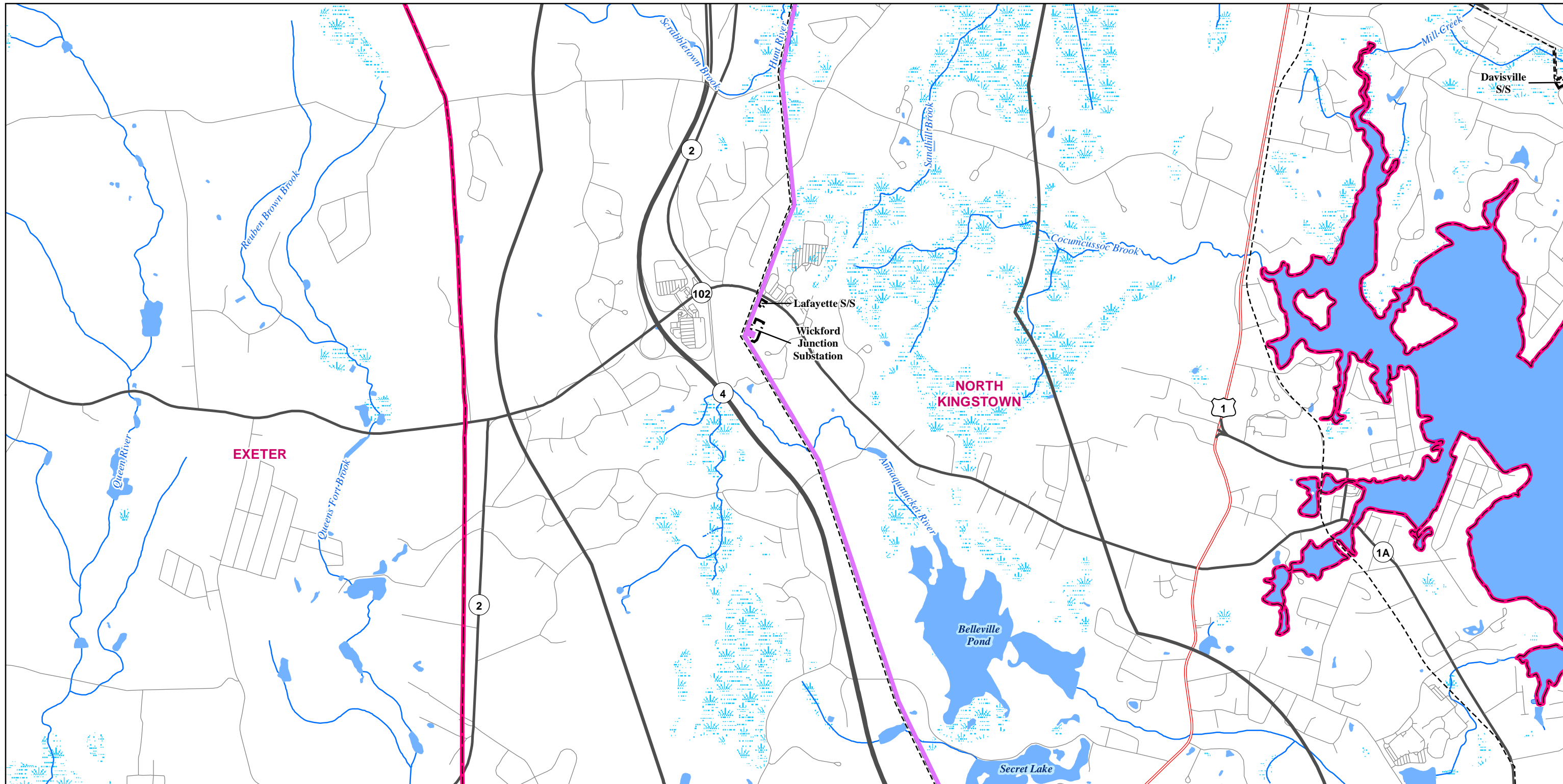
L190 Asset Condition Refurbishment Project

0 2,000 4,000  
Feet

Page 1 of 5

The Narragansett Electric Company

Date: June 2022



Legend	
	L190 Transmission Line ACR Work Activities
	5000 Foot Study Area
	Existing Transmission Line
	Town Boundary
	US Highway
	State Highway
	Local Road
	Perennial River or Stream (NHD)
	Intermittent Stream (NHD)
	Lake, Pond, or Reservoir
	Swamp/Marsh

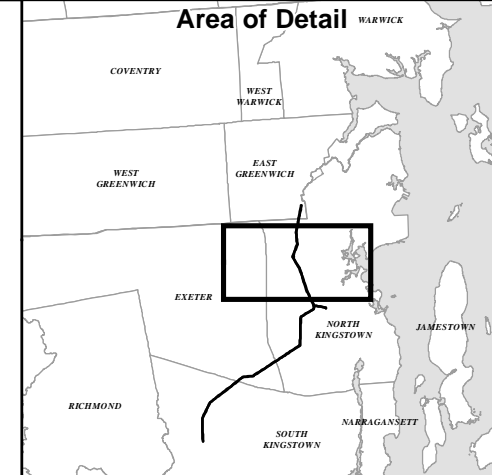


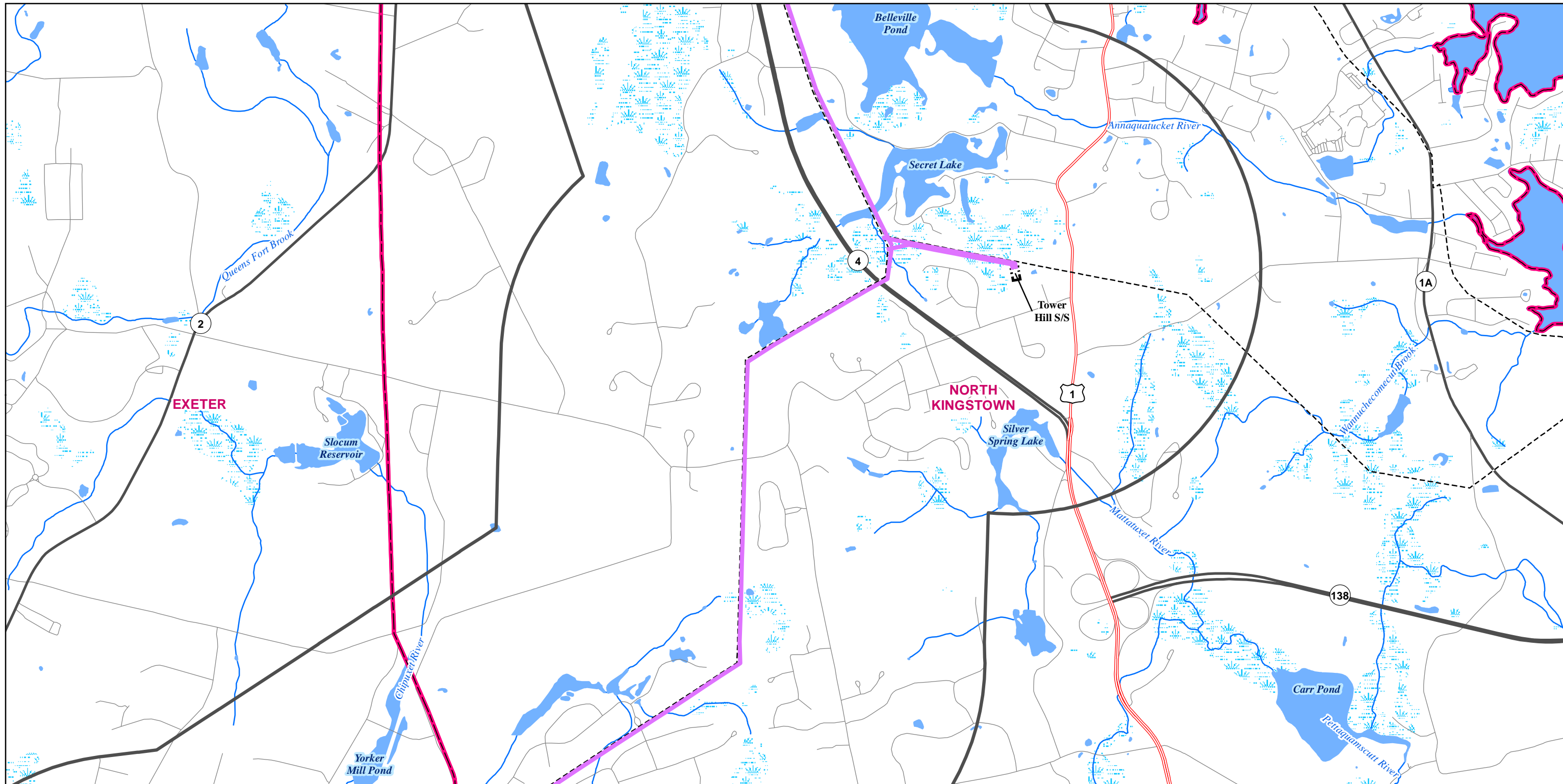
FIGURE 5-1  
**Study Area**

L190 Asset Condition Refurbishment Project

0      2,000      4,000  
Feet

Page 2 of 5

The Narragansett Electric Company  
Date: June 2022



**Legend**

- L190 Transmission Line ACR Work Activities
- 5000 Foot Study Area
- Existing Transmission Line
- Substation Site
- Town Boundary
- US Highway
- State Highway
- Local Road
- Perennial River or Stream (NHD)
- Lake, Pond, or Reservoir
- Swamp/Marsh

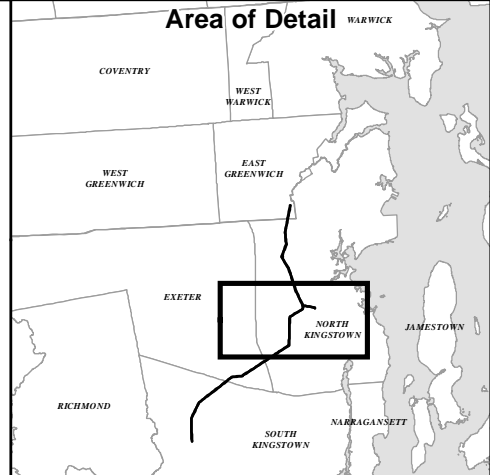
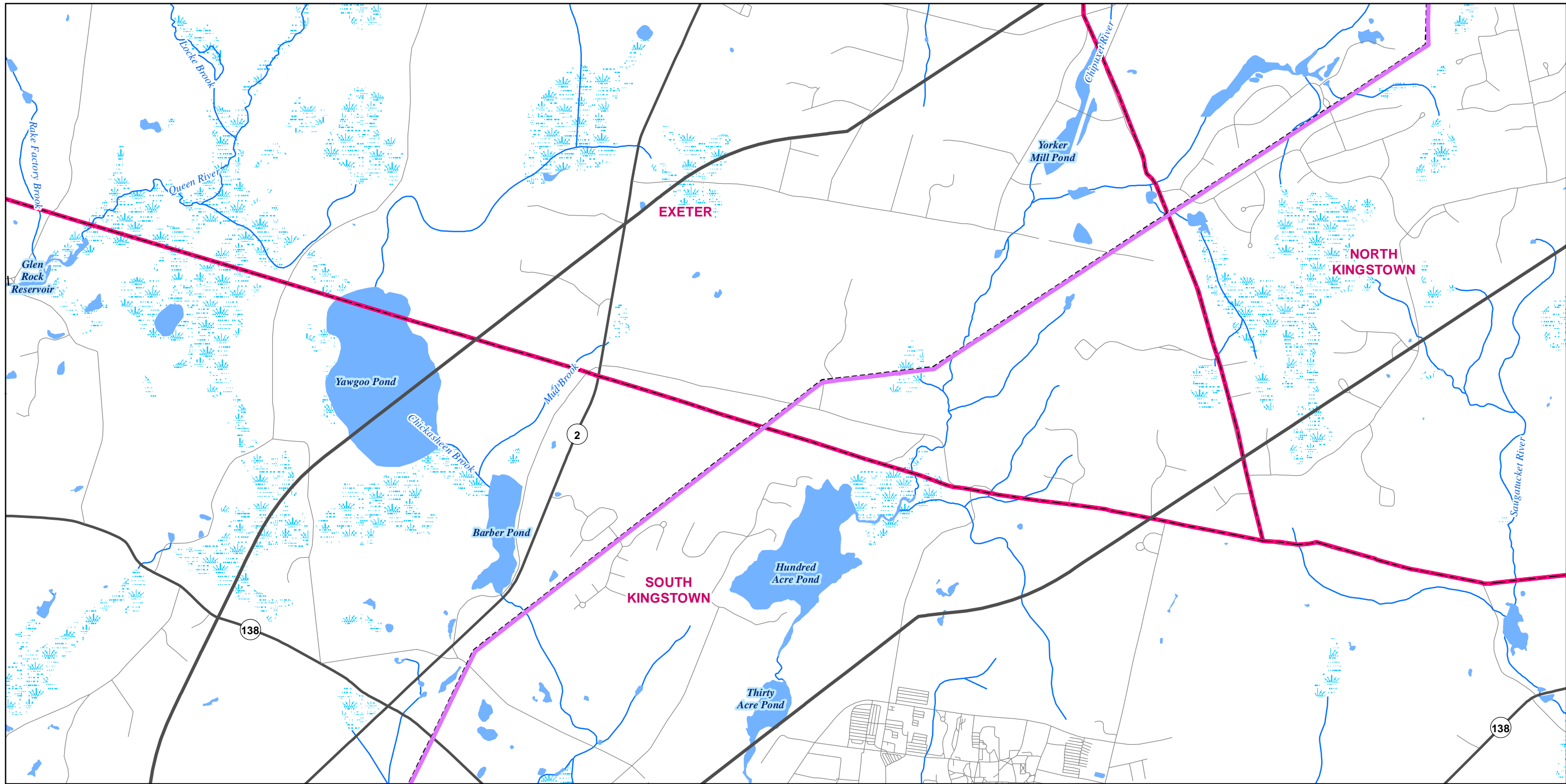


FIGURE 5-1  
**Study Area**  
L190 Asset Condition Refurbishment Project

0      2,000      4,000  
Feet

Page 3 of 5

The Narragansett Electric Company  
Date: June 2022



**Legend**

- L190 Transmission Line ACR Work Activities
- 5000 Foot Study Area
- Existing Transmission Line
- Town Boundary
- State Highway
- Local Road
- Perennial River or Stream (NHD)
- Lake, Pond, or Reservoir
- Swamp/Marsh

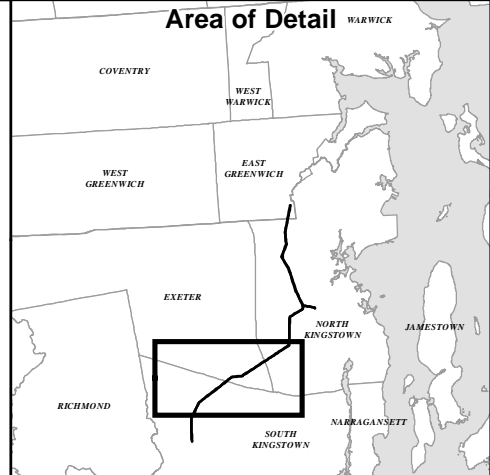
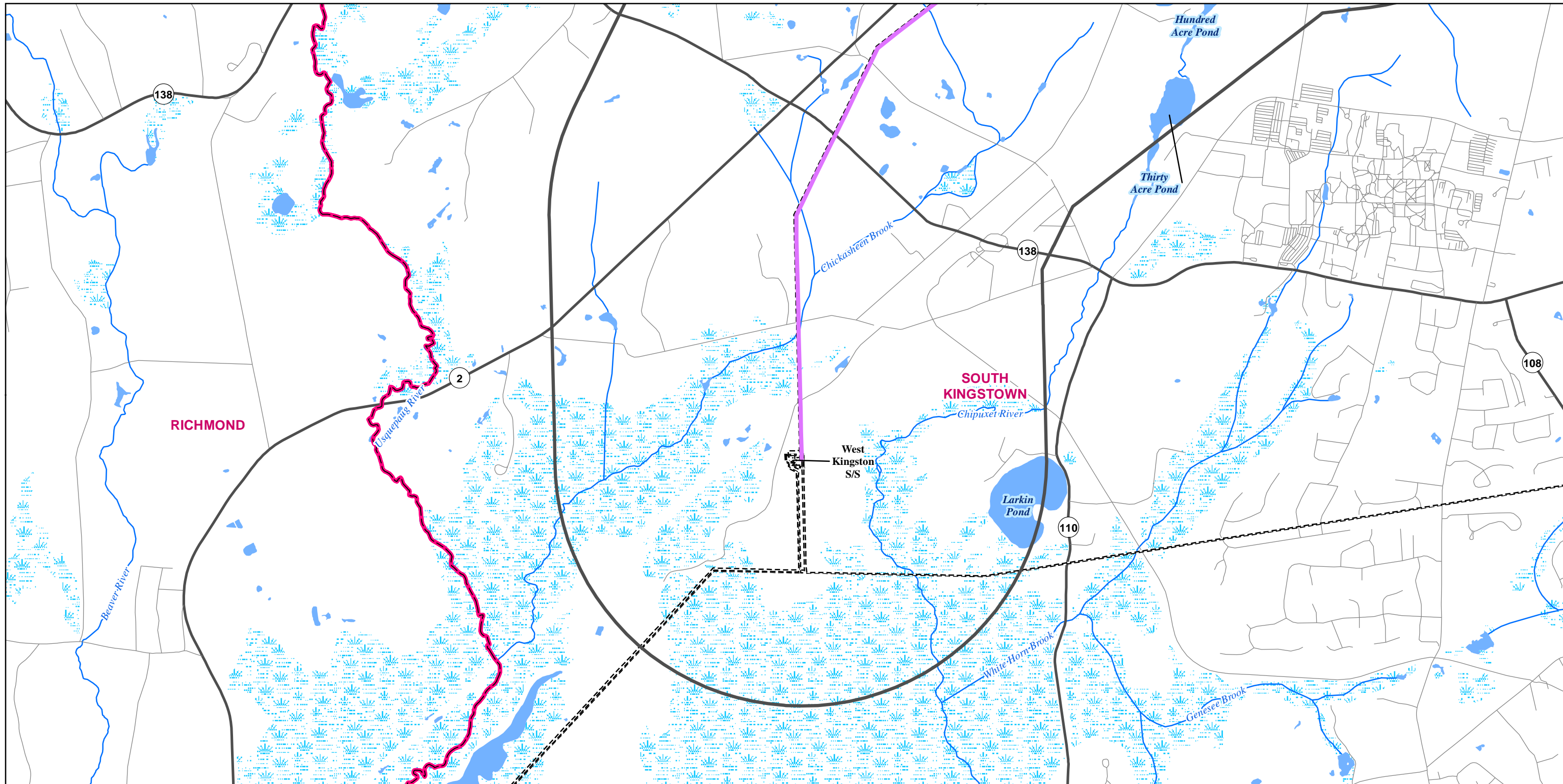


FIGURE 5-1  
**Study Area**  
L190 Asset Condition Refurbishment Project











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**Legend**

-  L190 Transmission Line ACR Work Activities
-  5000 Foot Study Area
-  Existing Transmission Line
-  Substation Site
-  Town Boundary
-  State Highway
-  Local Road
-  Perennial River or Stream (NHD)
-  Lake, Pond, or Reservoir
-  Swamp/Marsh

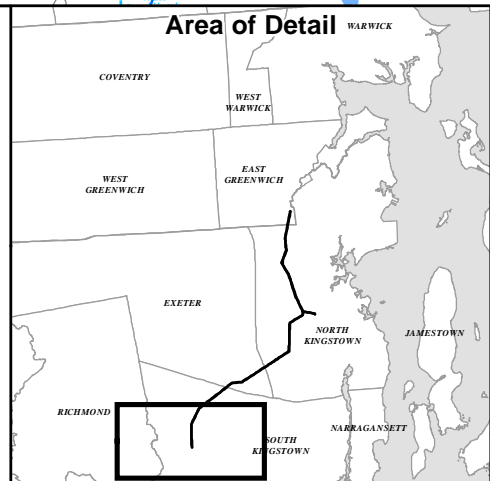
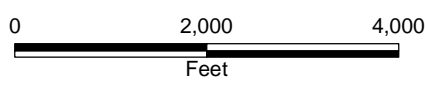



FIGURE 5-1

### Study Area


L190 Asset Condition Refurbishment Project



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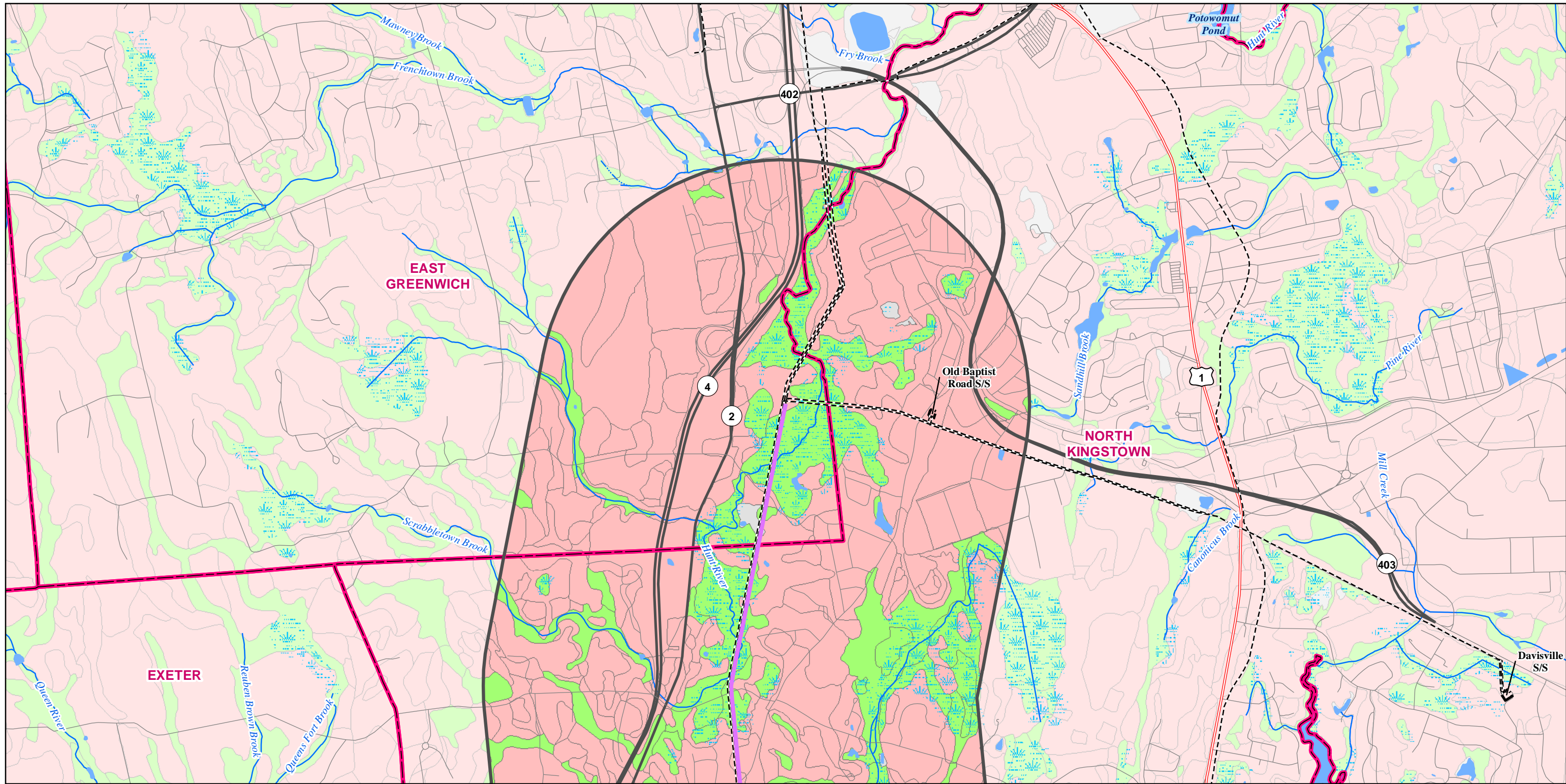


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- Legend**
- L190 Transmission Line ACR Work Activities
  - 5000 Foot Study Area
  - Existing Transmission Line
  - Substation Site
  - Town Boundary
  - US Highway
  - State Highway
  - Local Road
  - Perennial River or Stream (NHD)
  - Intermittent Stream (NHD)
  - Lake, Pond, or Reservoir
  - Swamp/Marsh

- Soil Hydric Rating**
- Yes
  - No
  - Unranked

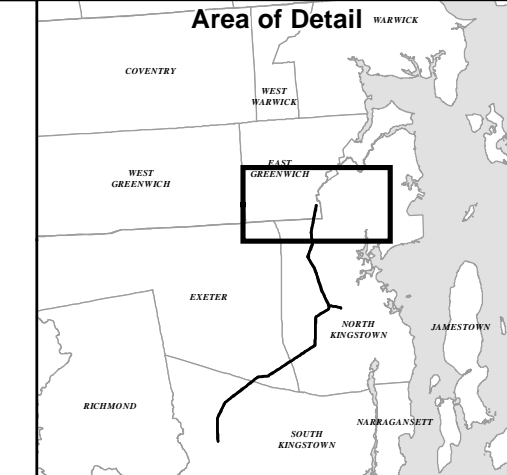
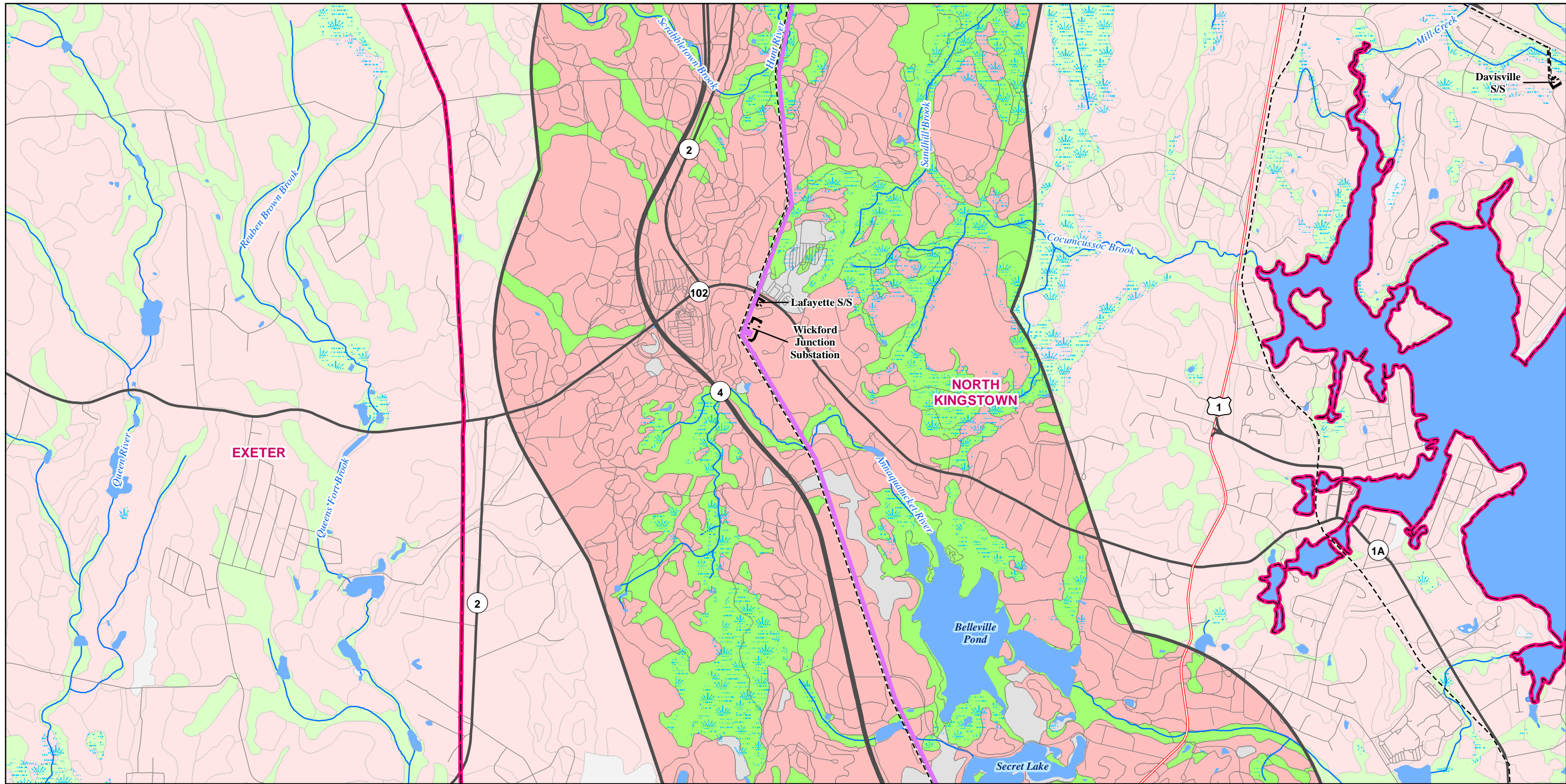


FIGURE 5-2  
**Hydric Soils**  
L190 Asset Condition Refurbishment Project

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- Legend**
- L190 Transmission Line ACR Work Activities
  - 5000 Foot Study Area
  - Existing Transmission Line
  - Substation Site
  - Town Boundary
  - US Highway
  - State Highway
  - Local Road
  - Perennial River or Stream (NHD)
  - Intermittent Stream (NHD)
  - Lake, Pond, or Reservoir
  - Swamp/Marsh

- Soil Hydric Rating**
- Yes
  - No
  - Unranked

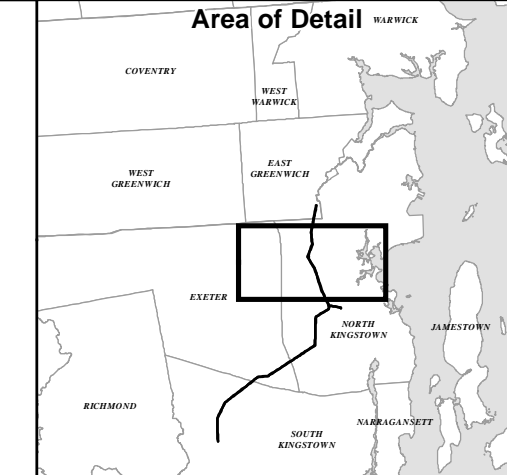


FIGURE 5-2

## Hydric Soils

L190 Asset Condition Refurbishment Project

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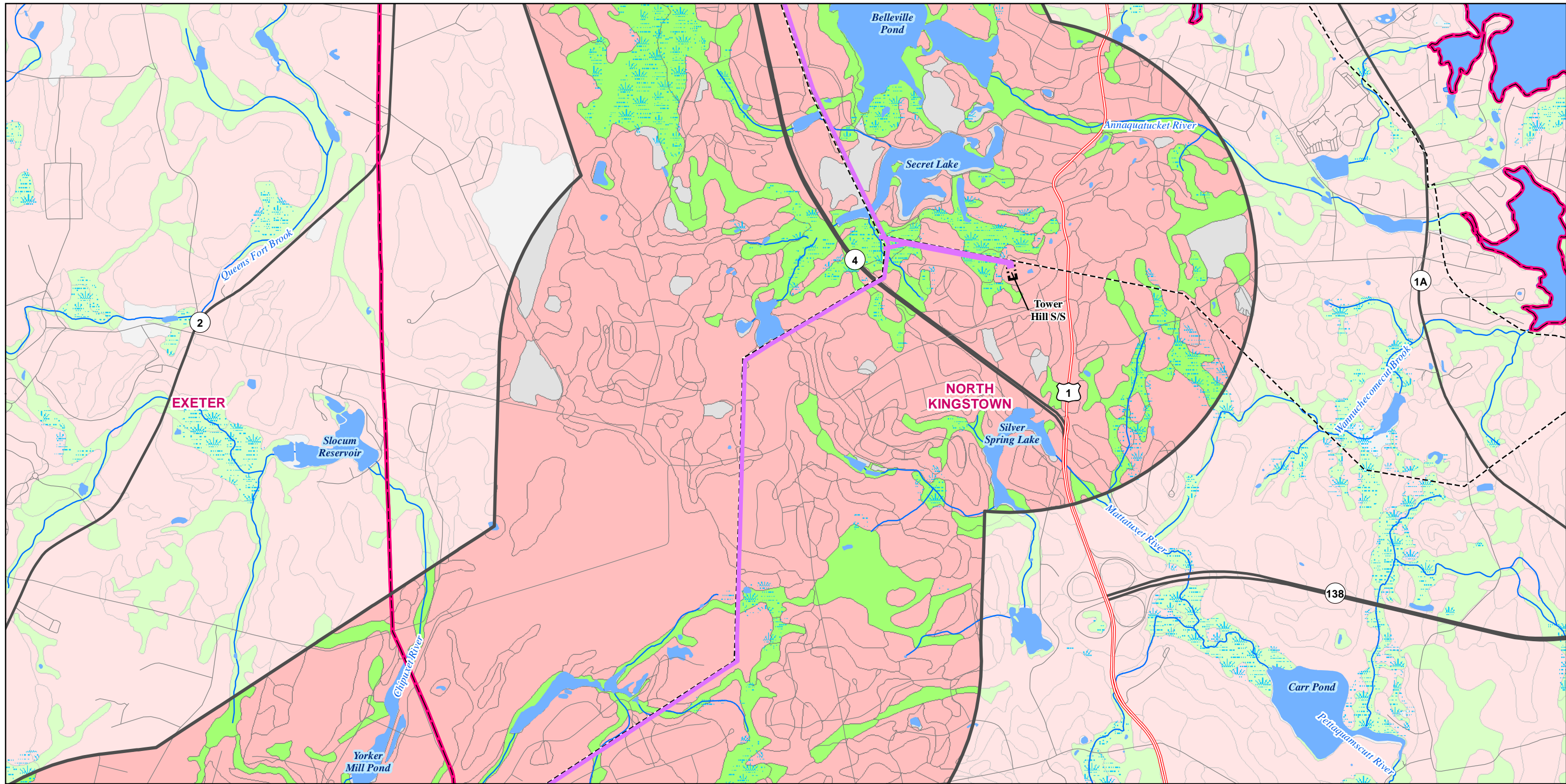
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**Legend**

- L190 Transmission Line ACR Work Activities
- 5000 Foot Study Area
- Existing Transmission Line
- Substation Site
- Town Boundary
- US Highway
- State Highway
- Local Road
- ~ Perennial River or Stream (NHD)
- Lake, Pond, or Reservoir
- Swamp/Marsh

**Soil Hydric Rating**

- Yes
- No
- Unranked

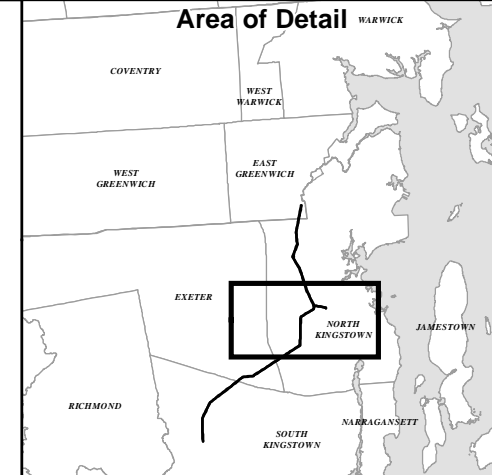


FIGURE 5-2

## Hydric Soils

L190 Asset Condition Refurbishment Project

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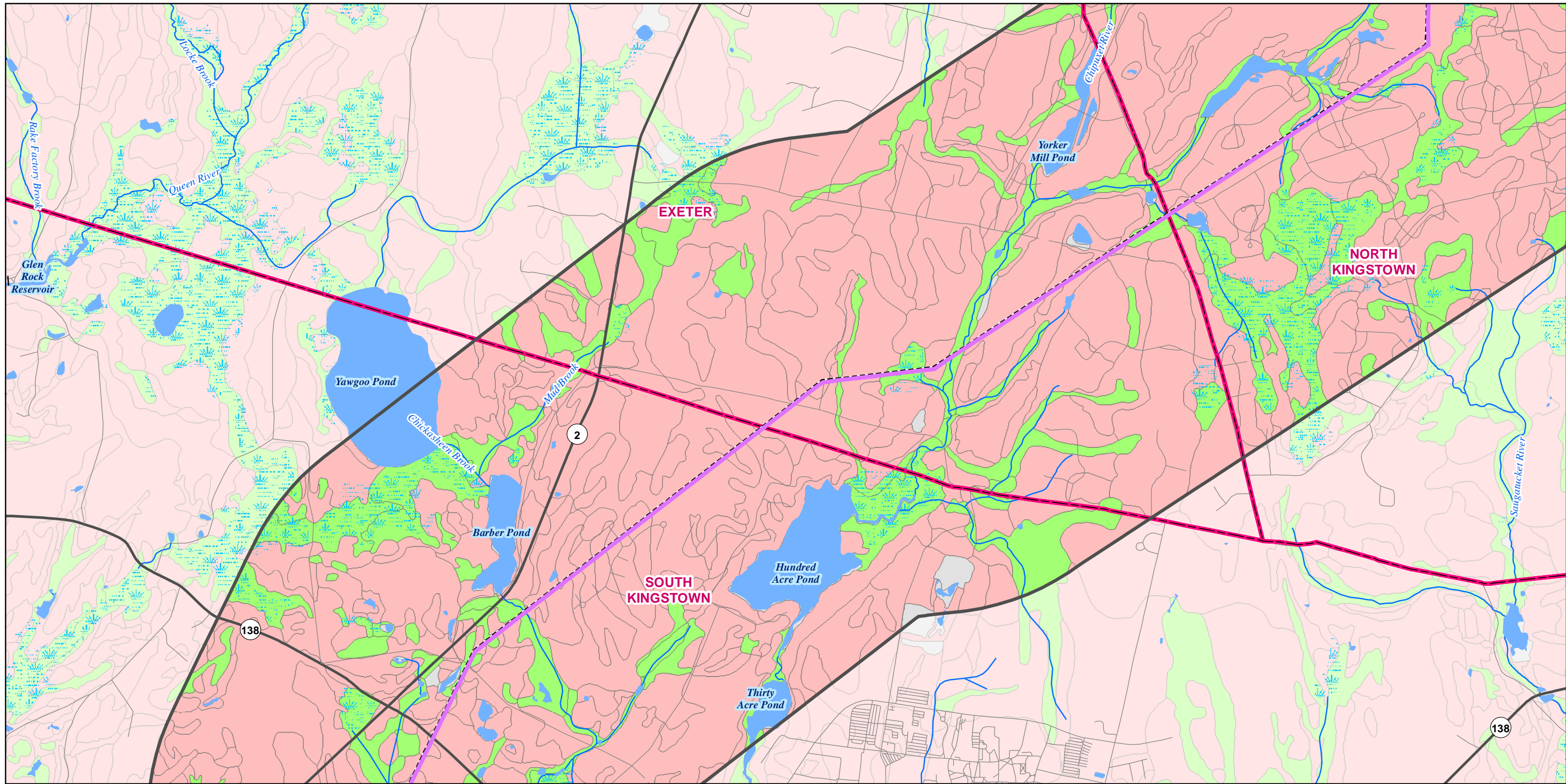
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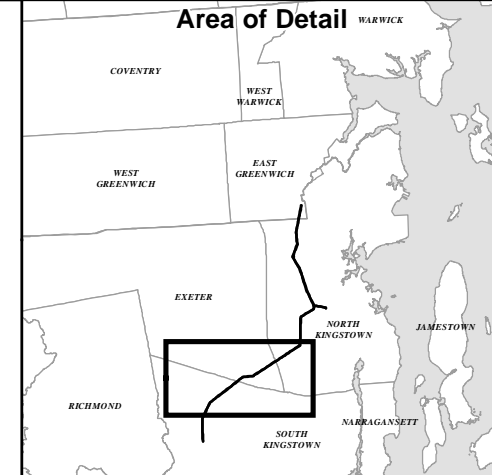
Date: June 2022





**Legend**

L190 Transmission Line	Perennial River or Stream (NHD)
5000 Foot Study Area	Lake, Pond, or Reservoir
Existing Transmission Line	Swamp/Marsh
Town Boundary	<b>Soil Hydric Rating</b>
State Highway	Yes
Local Road	No
	Unranked



**FIGURE 5-2**

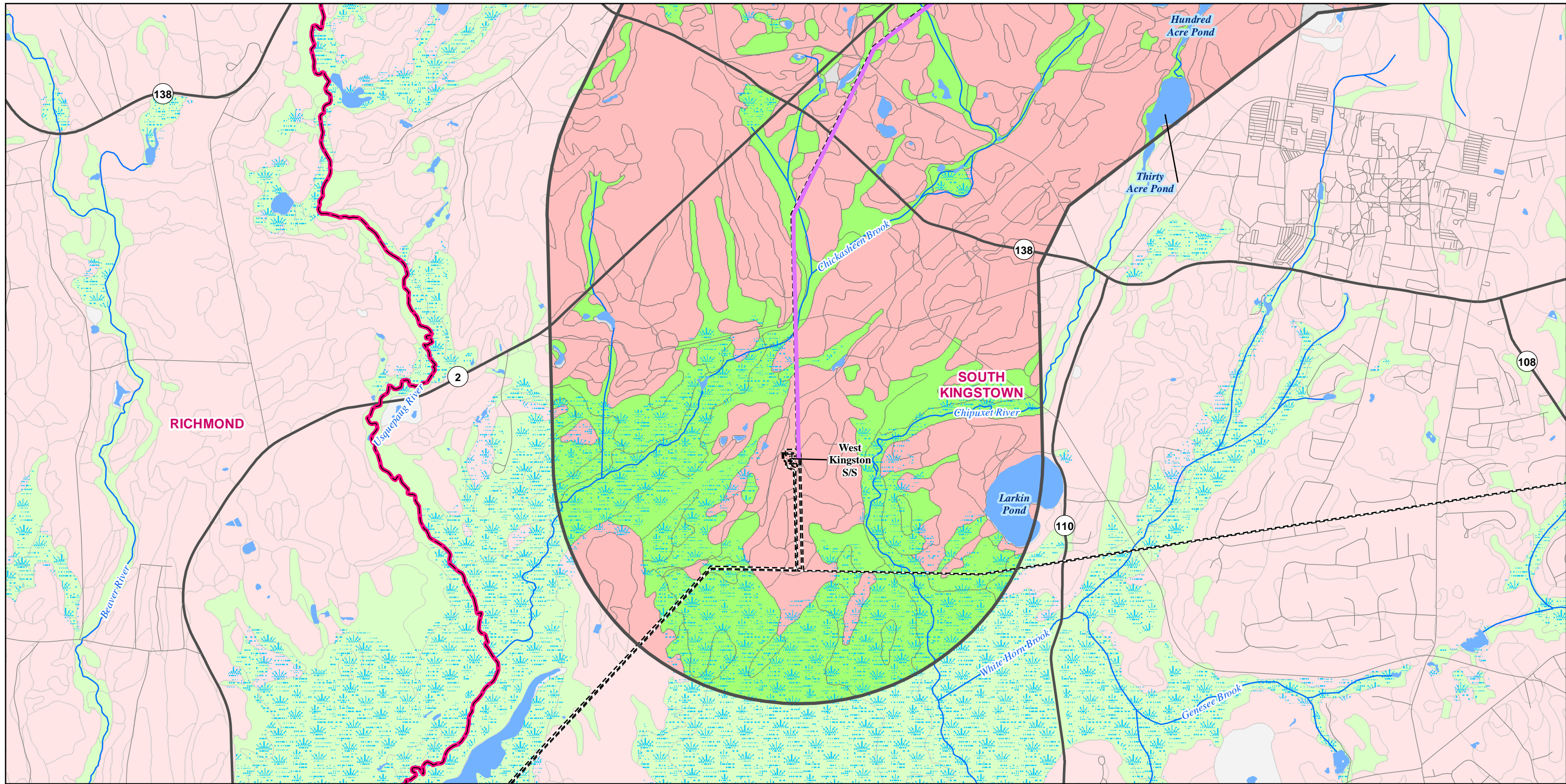
**Hydric Soils**

L190 Asset Condition Refurbishment Project

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**Legend**

L190 Transmission Line ACR Work Activities	Local Road	Unranked
5000 Foot Study Area	Perennial River or Stream (NHD)	Lake, Pond, or Reservoir
Existing Transmission Line	Swamp/Marsh	
Substation Site		
Town Boundary	<b>Soil Hydric Rating</b>	
State Highway	Yes	
	No	

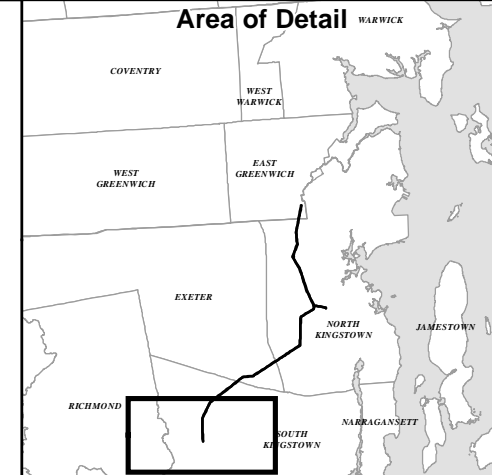
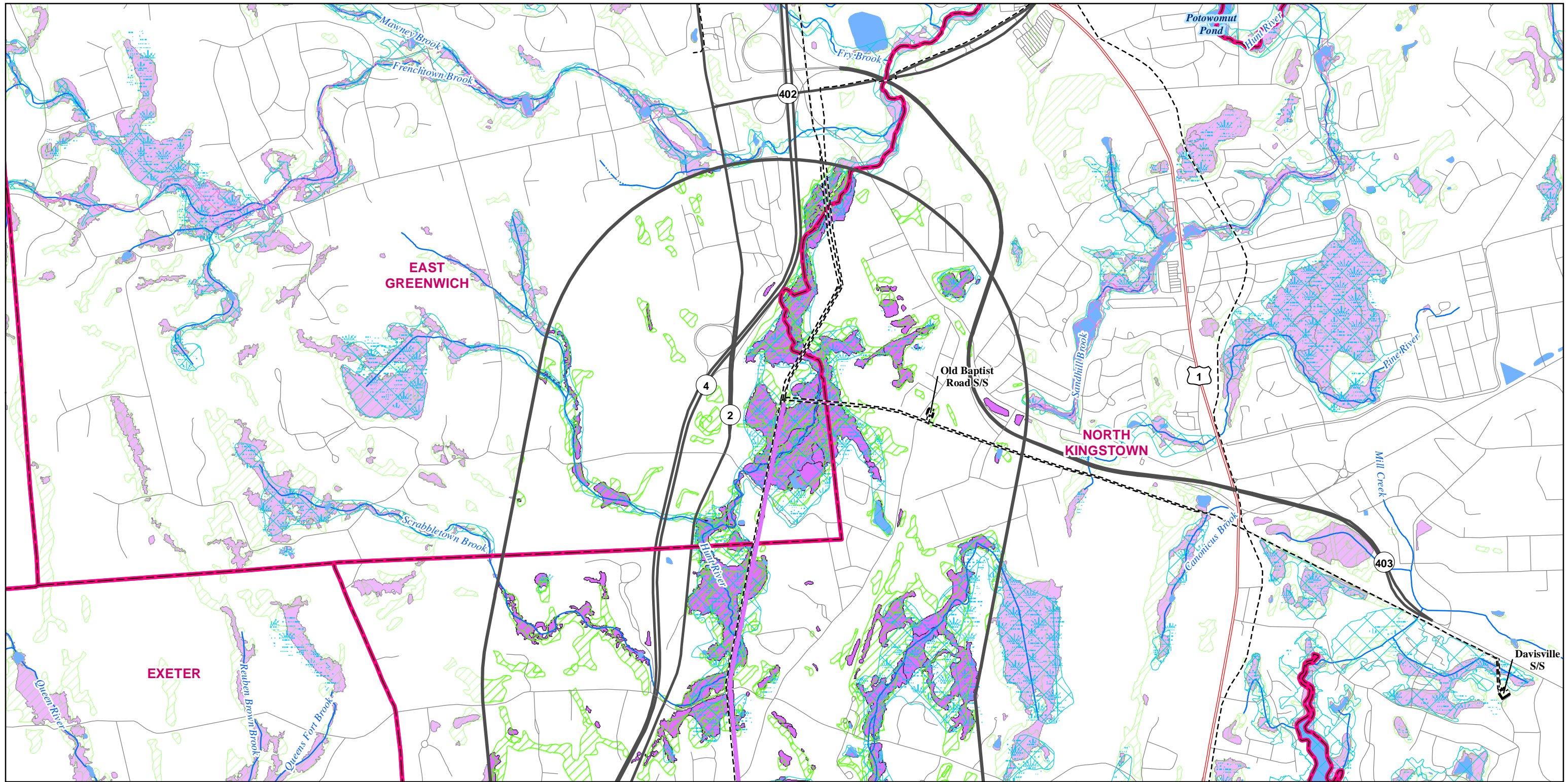


FIGURE 5-2  
**Hydric Soils**  
L190 Asset Condition Refurbishment Project

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- Legend**
- L190 Transmission Line ACR Work Activities
  - 5000 Foot Study Area
  - Existing Transmission Line
  - Town Boundary
  - US Highway
  - State Highway
  - Local Road
  - Perennial River or Stream (NHD)
  - Intermittent Stream (NHD)
  - Lake, Pond, or Reservoir
  - Swamp/Marsh
  - FEMA - 100 Year Floodplain\*
  - FEMA - Floodway\*
  - Wetlands (State of Rhode Island)
  - NWI Wetland

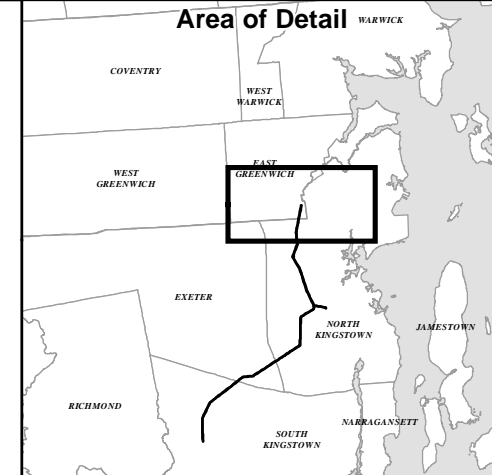


FIGURE 5-3

## Wetland Resources

L190 Asset Condition Refurbishment Project

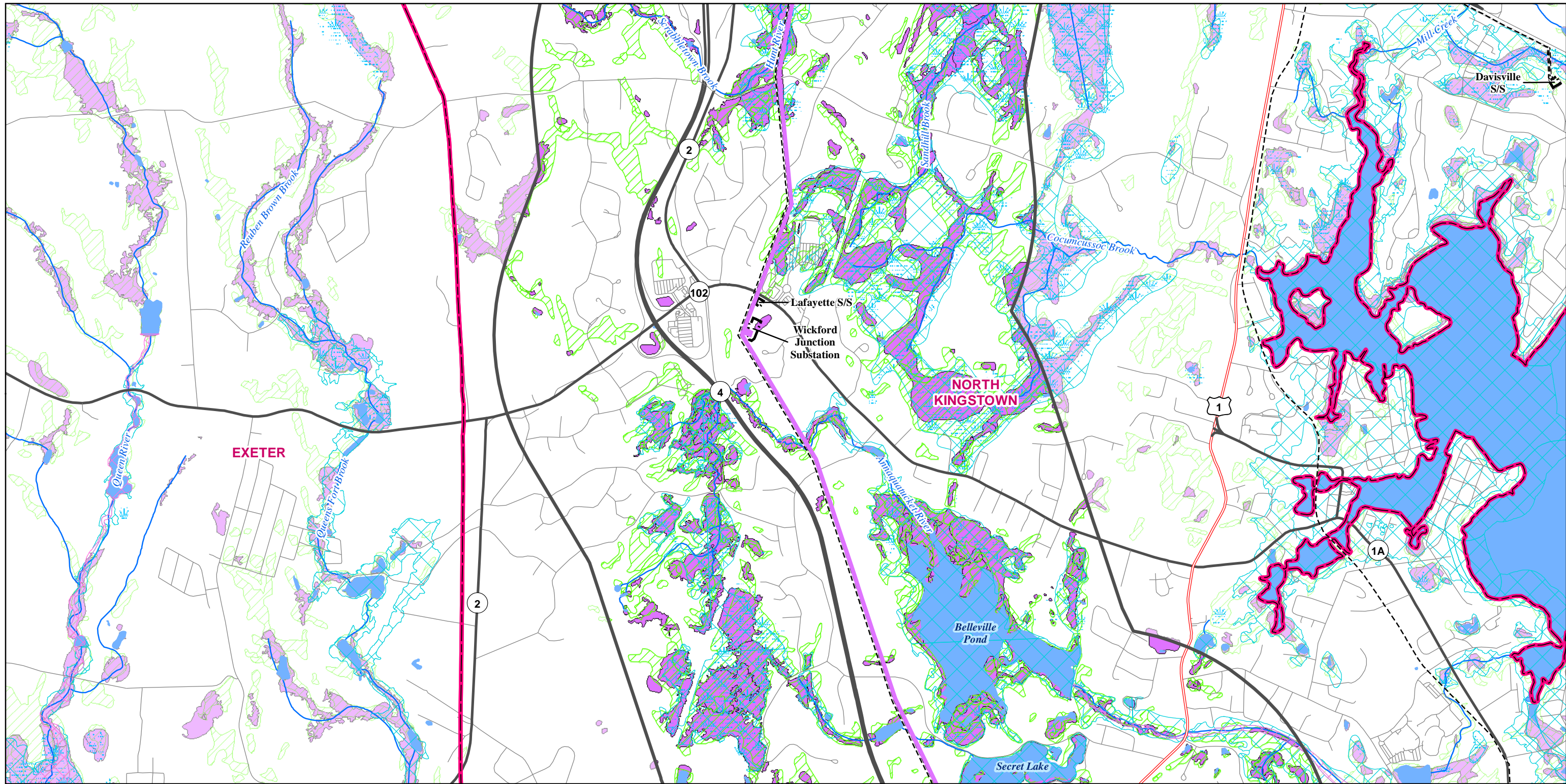
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- Legend**
- L190 Transmission Line ACR Work Activities
  - 5000 Foot Study Area
  - Existing Transmission Line
  - Substation Site
  - Town Boundary
  - US Highway
  - State Highway
  - Local Road
  - Perennial River or Stream (NHD)
  - Intermittent Stream (NHD)
  - Lake, Pond, or Reservoir
  - Swamp/Marsh
  - FEMA - 100 Year Floodplain\*
  - FEMA - Floodway\*
  - Wetlands (State of Rhode Island)
  - NWI Wetland

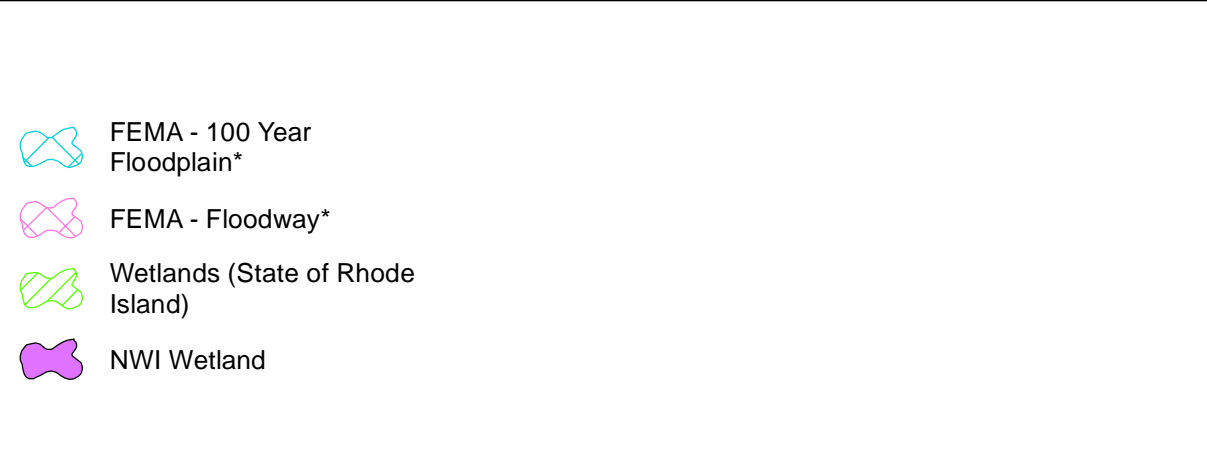


FIGURE 5-3

## Wetland Resources

L190 Asset Condition Refurbishment Project

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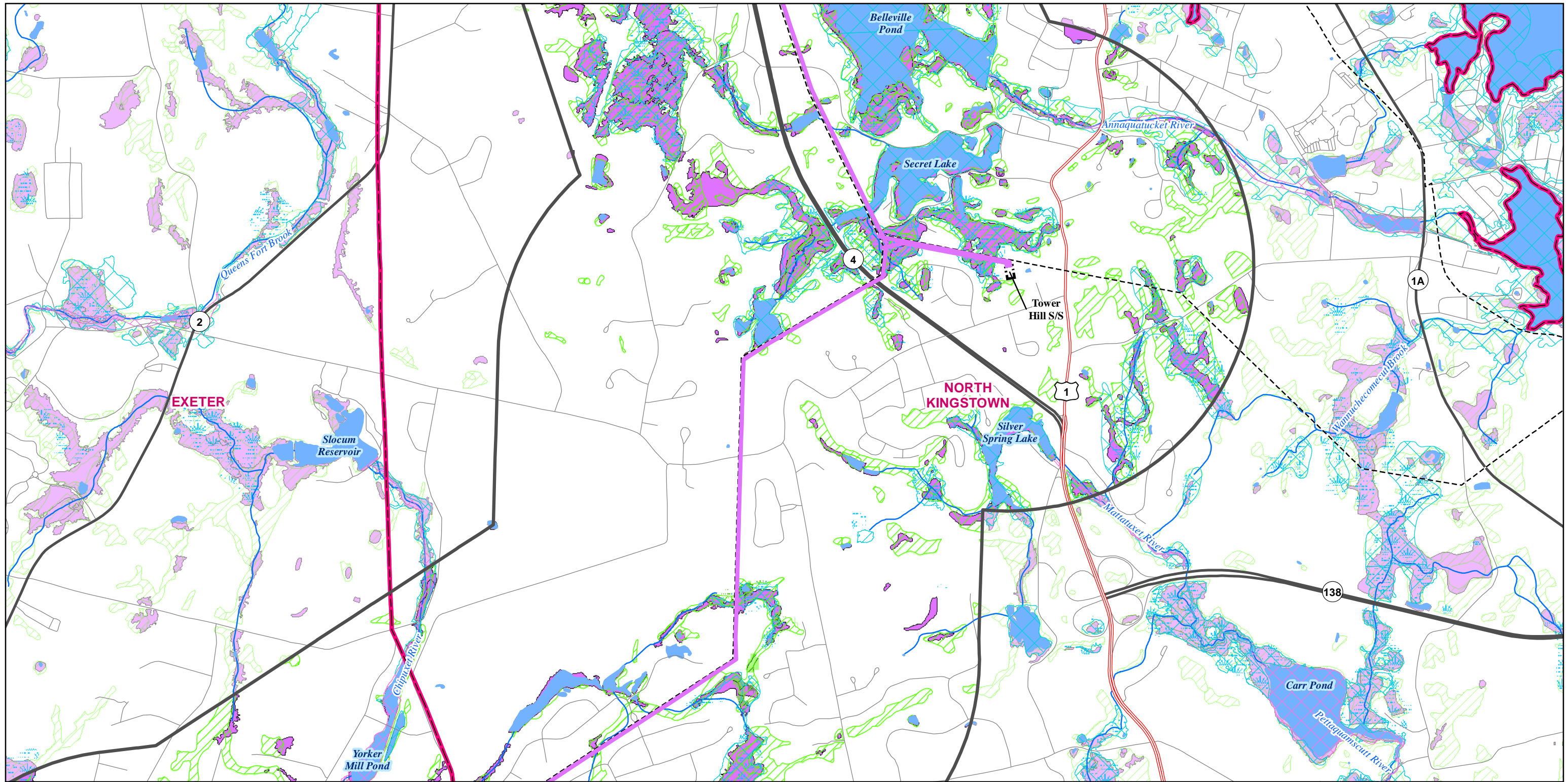
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**Legend**

L190 Transmission Line ACR Work Activities	State Highway	FEMA - Floodway*
5000 Foot Study Area	Local Road	Wetlands (State of Rhode Island)
Existing Transmission Line	Perennial River or Stream (NHD)	NWI Wetland
Substation Site	Lake, Pond, or Reservoir	FEMA - 100 Year Floodplain*
Town Boundary	Swamp/Marsh	
US Highway		

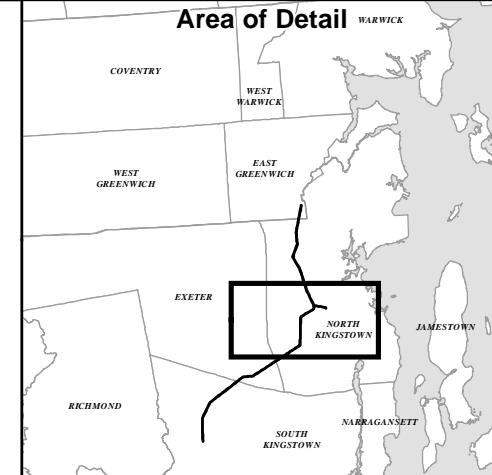
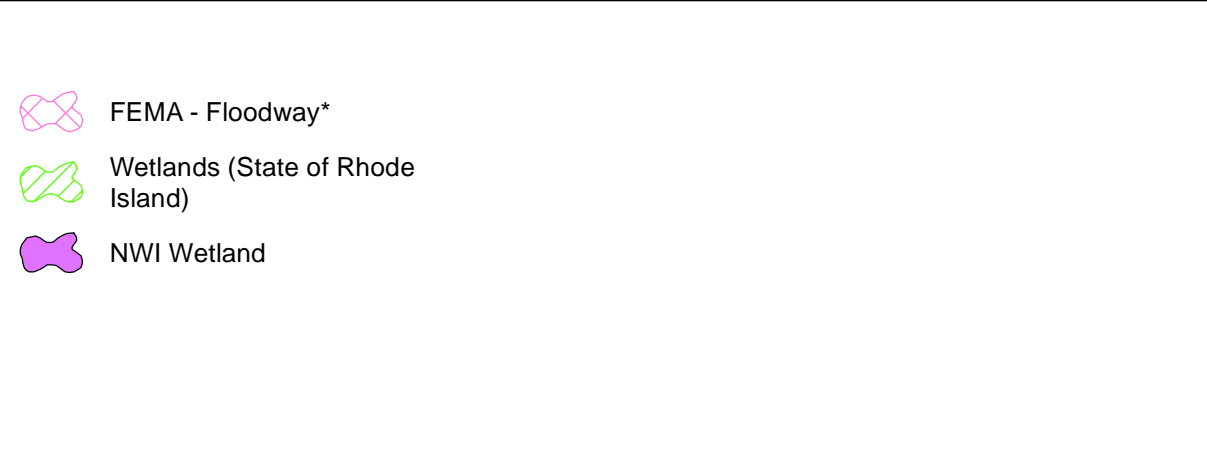


FIGURE 5-3

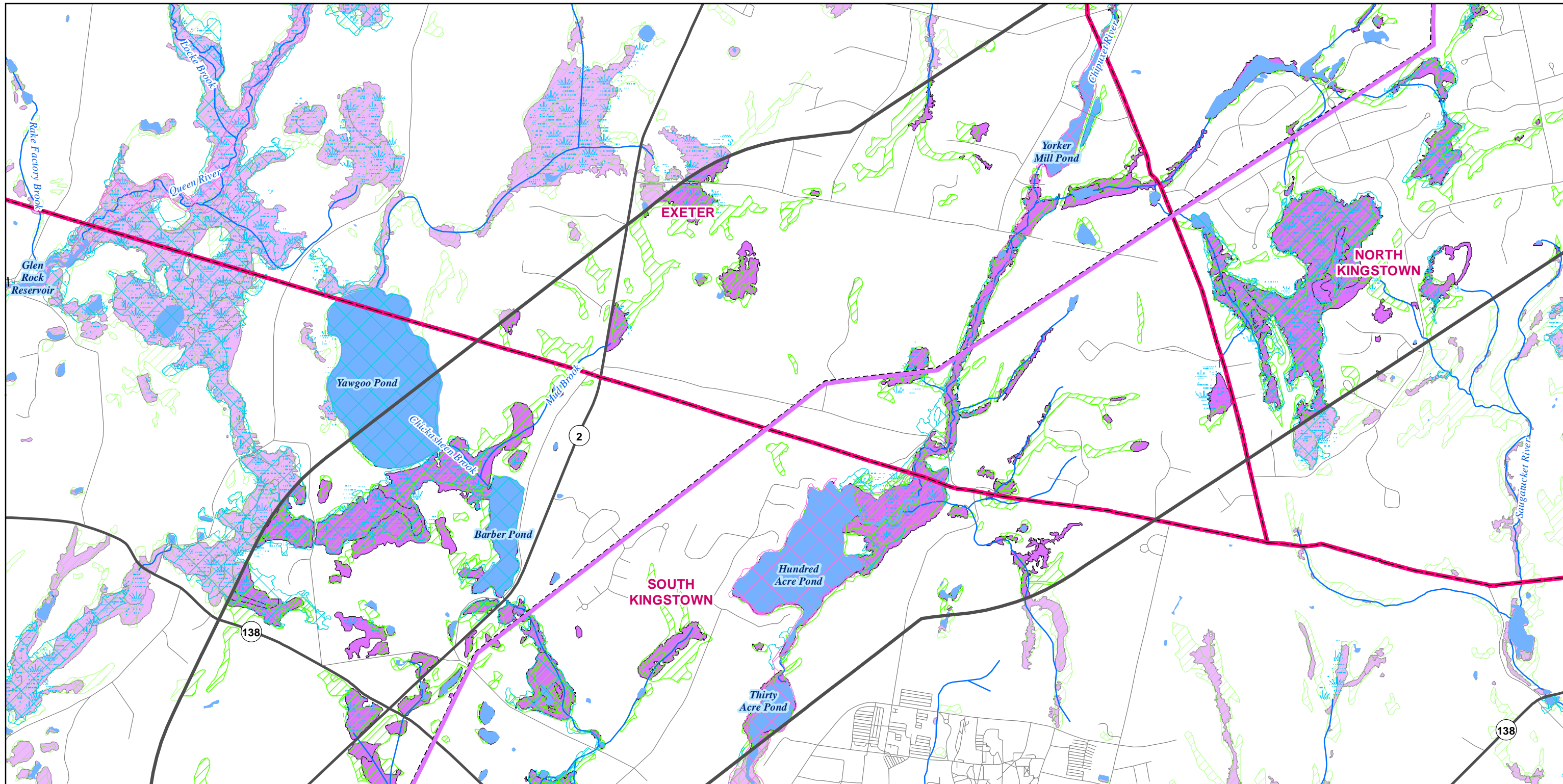
### Wetland Resources

L190 Asset Condition Refurbishment Project

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**Legend**

- L190 Transmission Line ACR Work Activities
- Existing Transmission Line
- Town Boundary
- State Highway
- Local Road
- Perennial River or Stream (NHD)
- Lake, Pond, or Reservoir
- Swamp/Marsh
- FEMA - 100 Year Floodplain\*
- FEMA - Floodway\*
- Wetlands (State of Rhode Island)
- NWI Wetland

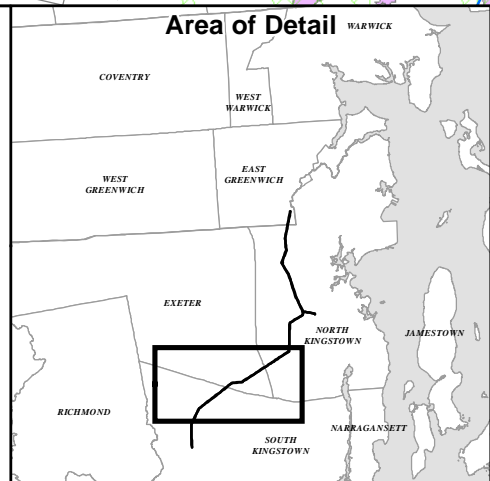


FIGURE 5-3

### Wetland Resources

L190 Asset Condition Refurbishment Project

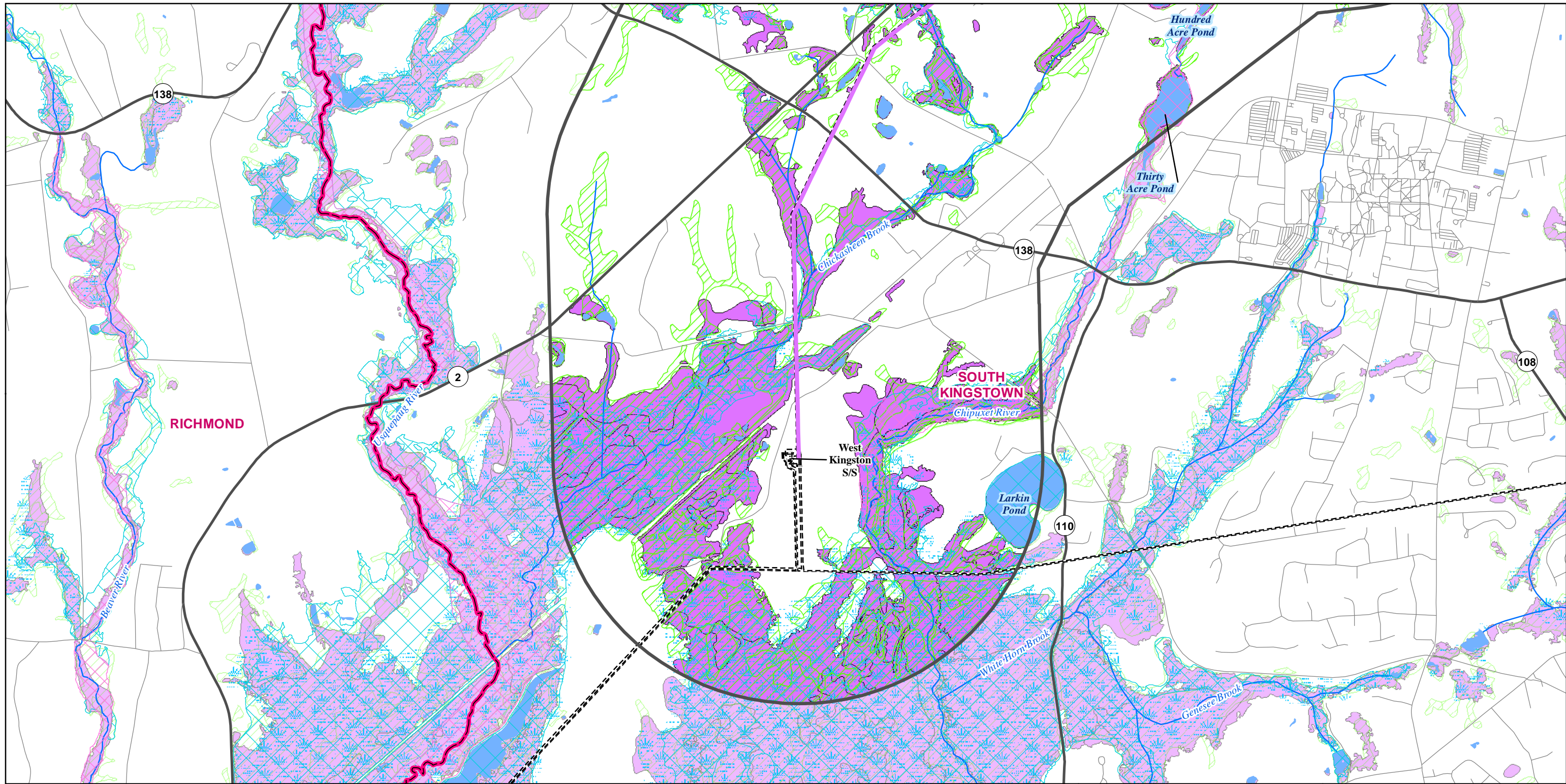
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**POWER ENGINEERS**

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- ### Legend
- L190 Transmission Line ACR Work Activities
  - 5000 Foot Study Area
  - Existing Transmission Line
  - Substation Site
  - Town Boundary
  - State Highway
  - Local Road
  - Perennial River or Stream (NHD)
  - Lake, Pond, or Reservoir
  - Swamp/Marsh
  - FEMA - 100 Year Floodplain\*
  - FEMA - Floodway\*
  - Wetlands (State of Rhode Island)
  - NWI Wetland

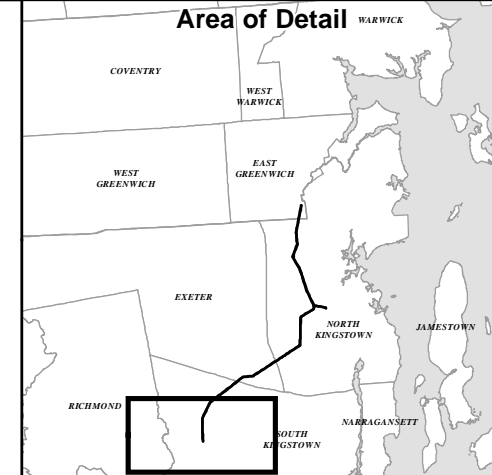


FIGURE 5-3

## Wetland Resources

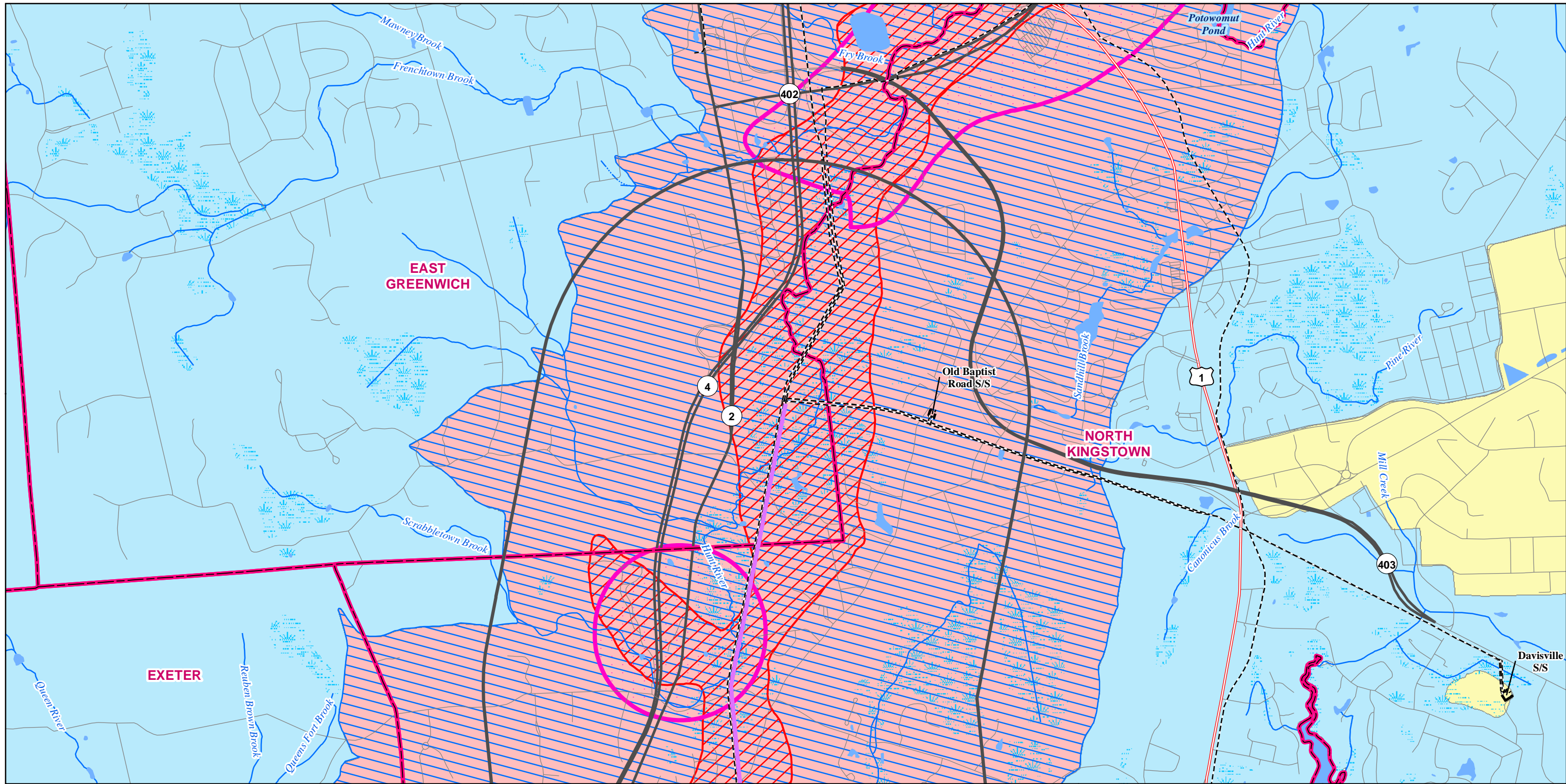
L190 Asset Condition Refurbishment Project

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<b>Legend</b>			
L190 Transmission Line ACR Work Activities	State Highway	Non-Community Wellhead Protection Areas	GB
5000 Foot Study Area	Local Road	Groundwater Reservoir	Groundwater Recharge
Existing Transmission Line	Perennial River or Stream (NHD)	<b>Groundwater Quality Standard</b>	
Substation Site	Intermittent Stream (NHD)	GA	GAA
Town Boundary	Lake, Pond, or Reservoir		
US Highway	Swamp/Marsh		

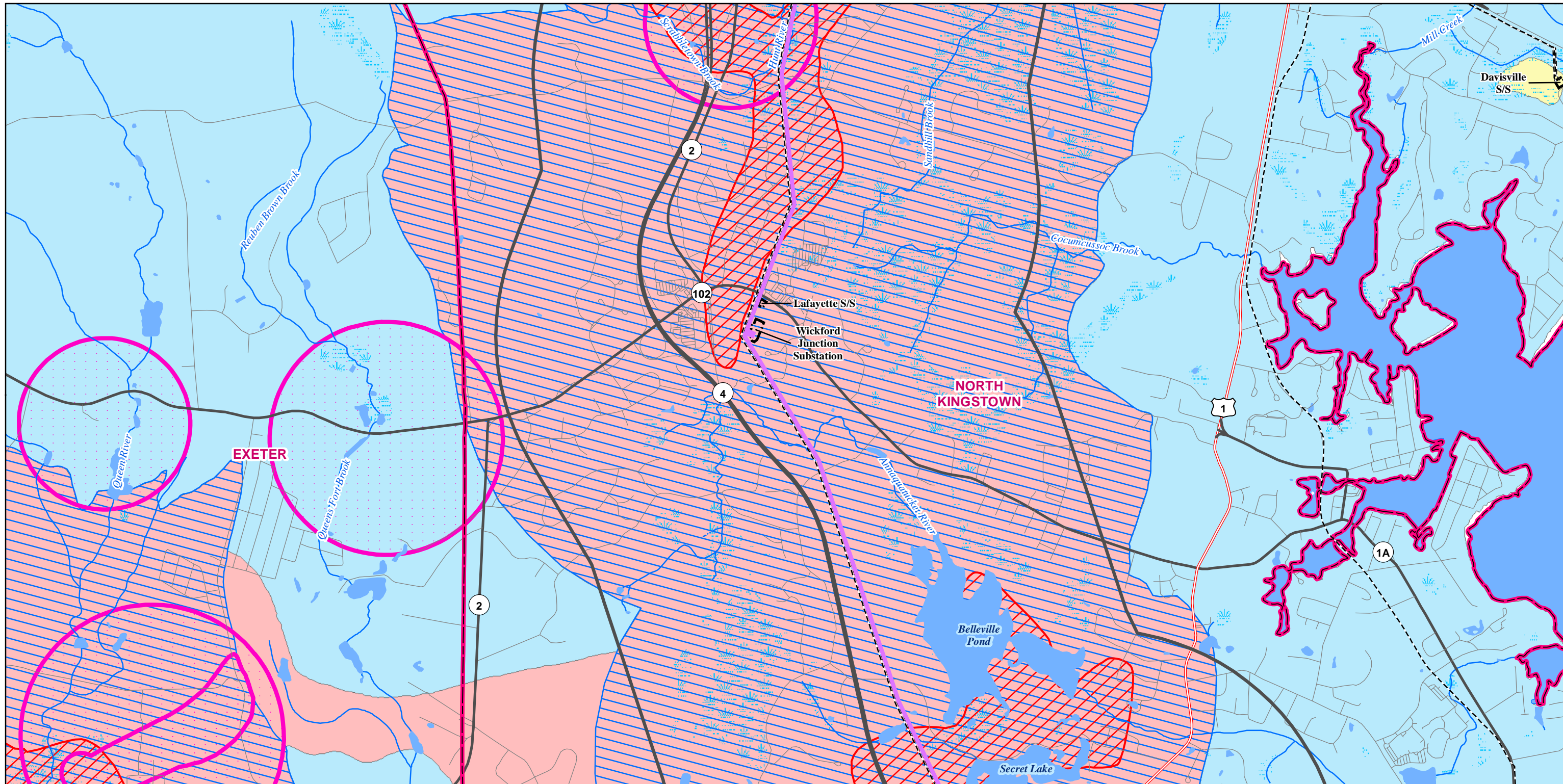
FIGURE 5-4  
**Groundwater Resources**  
L190 Asset Condition Refurbishment Project

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<p><b>Legend</b></p> <ul style="list-style-type: none"> <li> L190 Transmission Line</li> <li> ACR Work Activities</li> <li> 5000 Foot Study Area</li> <li> Existing Transmission Line</li> <li> Substation Site</li> <li> Town Boundary</li> <li> US Highway</li> <li> State Highway</li> <li> Local Road</li> <li> Perennial River or Stream (NHD)</li> <li> Intermittent Stream (NHD)</li> <li> Lake, Pond, or Reservoir</li> <li> Swamp/Marsh</li> <li> Non-Community Wellhead Protection Areas</li> <li> Groundwater Reservoir</li> <li> Groundwater Recharge</li> </ul>		<p><b>Groundwater Quality Standard</b></p> <ul style="list-style-type: none"> <li> GA</li> <li> GAA</li> <li> GB</li> </ul>
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**Area of Detail**

FIGURE 5-4

## Groundwater Resources

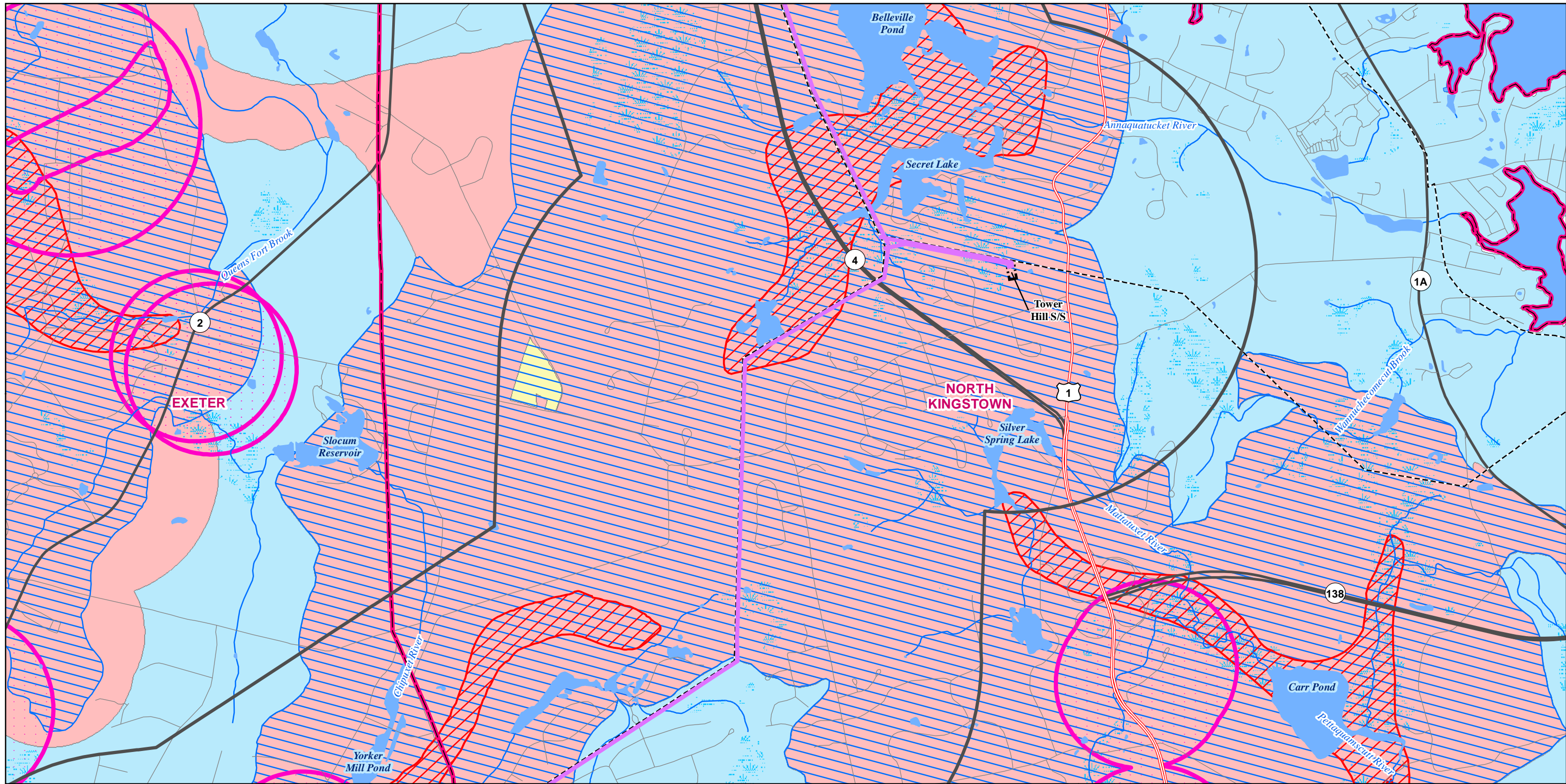
L190 Asset Condition Refurbishment Project

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<b>Legend</b>		
L190 Transmission Line ACR Work Activities	5000 Foot Study Area	Groundwater Reservoir
Existing Transmission Line	Local Road	Groundwater Recharge
Substation Site	Perennial River or Stream (NHD)	<b>Groundwater Quality Standard</b>
Town Boundary	Lake, Pond, or Reservoir	GA
US Highway	Swamp/Marsh	GAA
	Non-Community Wellhead Protection Areas	GB

**Area of Detail**

**FIGURE 5-4**

## Groundwater Resources

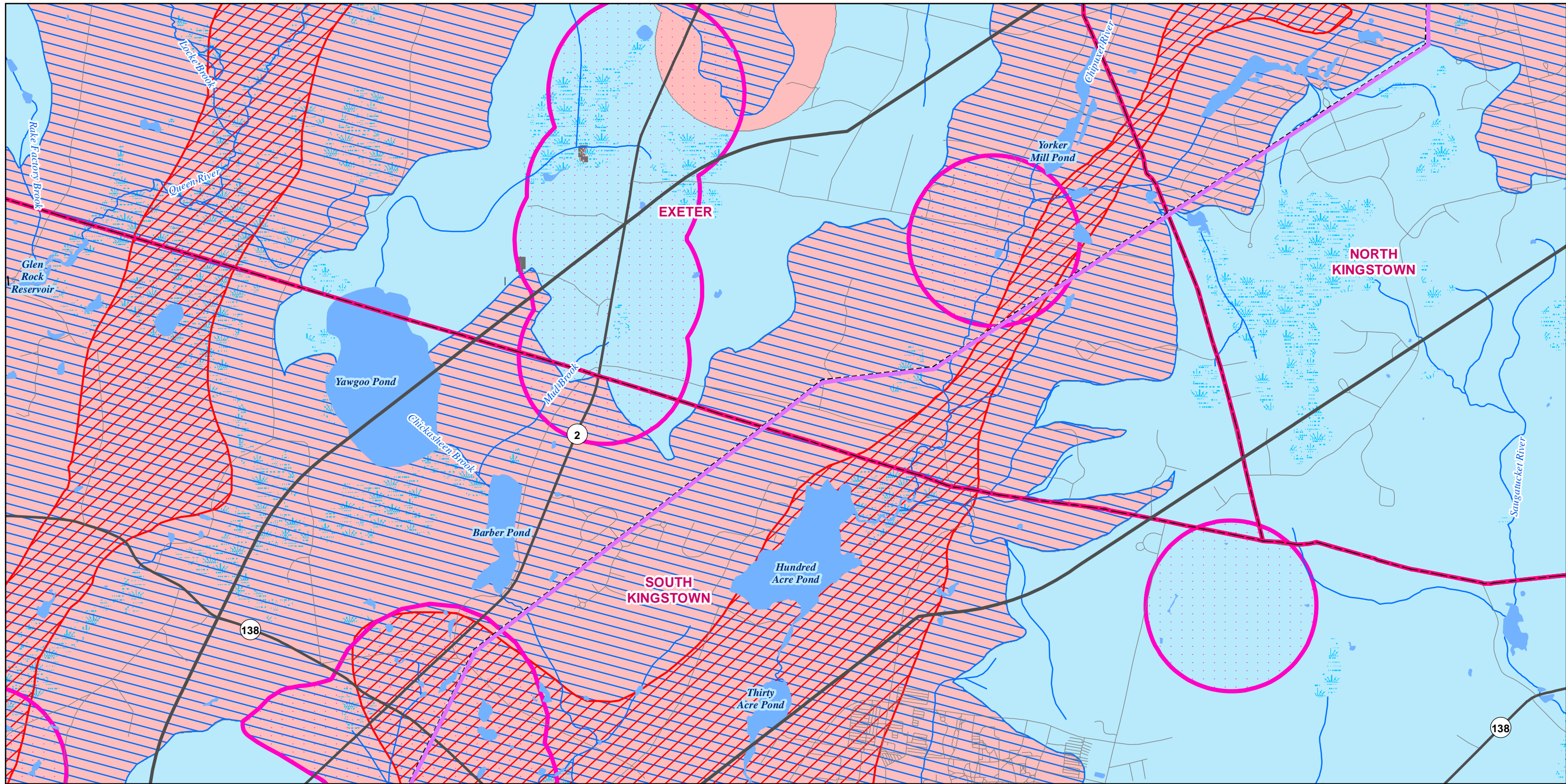
L190 Asset Condition Refurbishment Project

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Legend		
	L190 Transmission Line ACR Work Activities	Groundwater Quality Standard: GA
	5000 Foot Study Area	Groundwater Quality Standard: GAA
	Existing Transmission Line	Perennial River or Stream (NHD)
	Town Boundary	Lake, Pond, or Reservoir
	State Highway	Swamp/Marsh
	Local Road	Non-Community Wellhead Protection Areas
		Groundwater Reservoir
		Groundwater Recharge

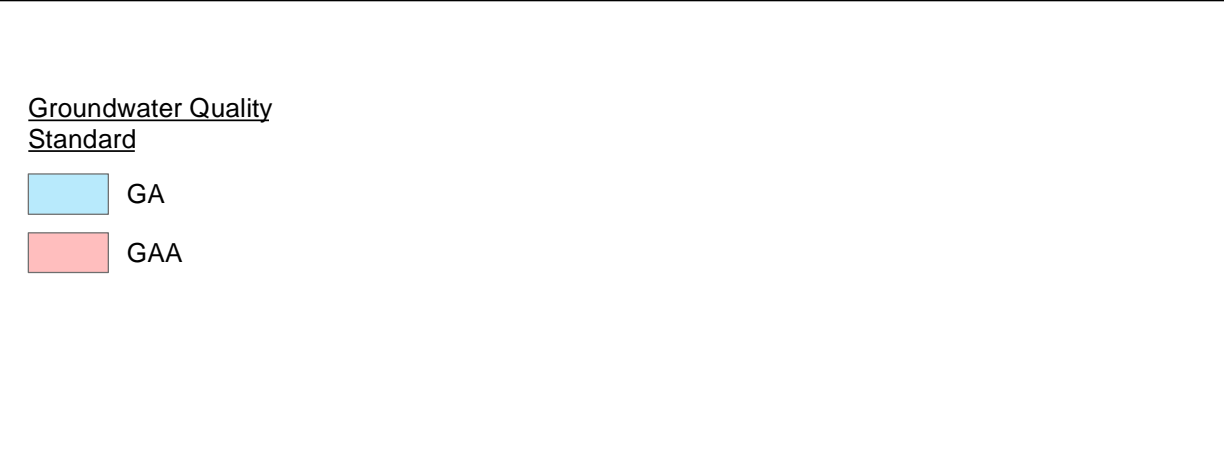


FIGURE 5-4

## Groundwater Resources

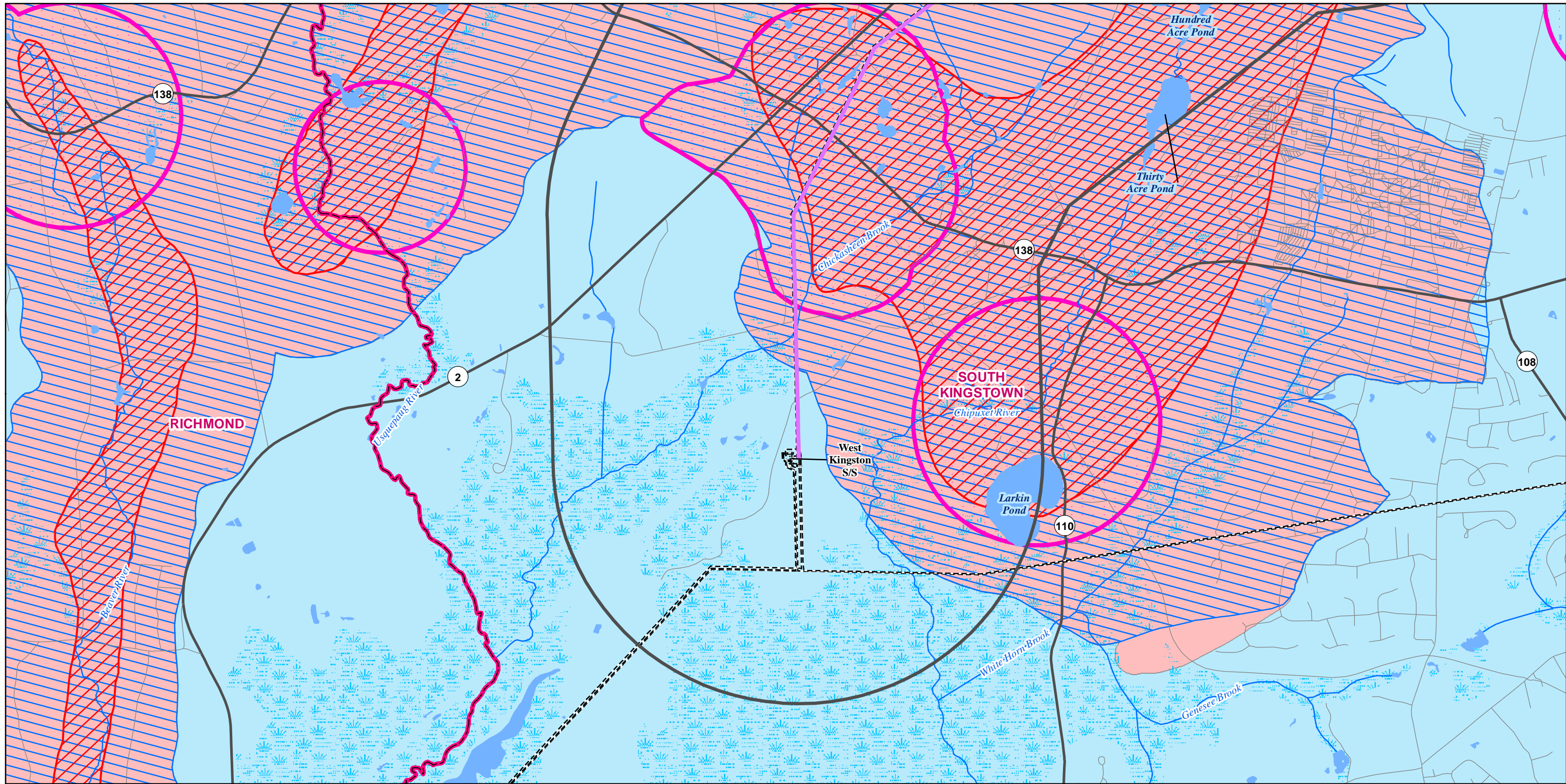
L190 Asset Condition Refurbishment Project

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<b>Legend</b>		
L190 Transmission Line ACR Work Activities	Local Road	Groundwater Recharge
5000 Foot Study Area	Perennial River or Stream (NHD)	<b>Groundwater Quality Standard</b>
Existing Transmission Line	Lake, Pond, or Reservoir	GA
Substation Site	Swamp/Marsh	GAA
Town Boundary	Non-Community Wellhead Protection Areas	
State Highway	Groundwater Reservoir	

**Area of Detail**

FIGURE 5-4

### Groundwater Resources

L190 Asset Condition Refurbishment Project

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