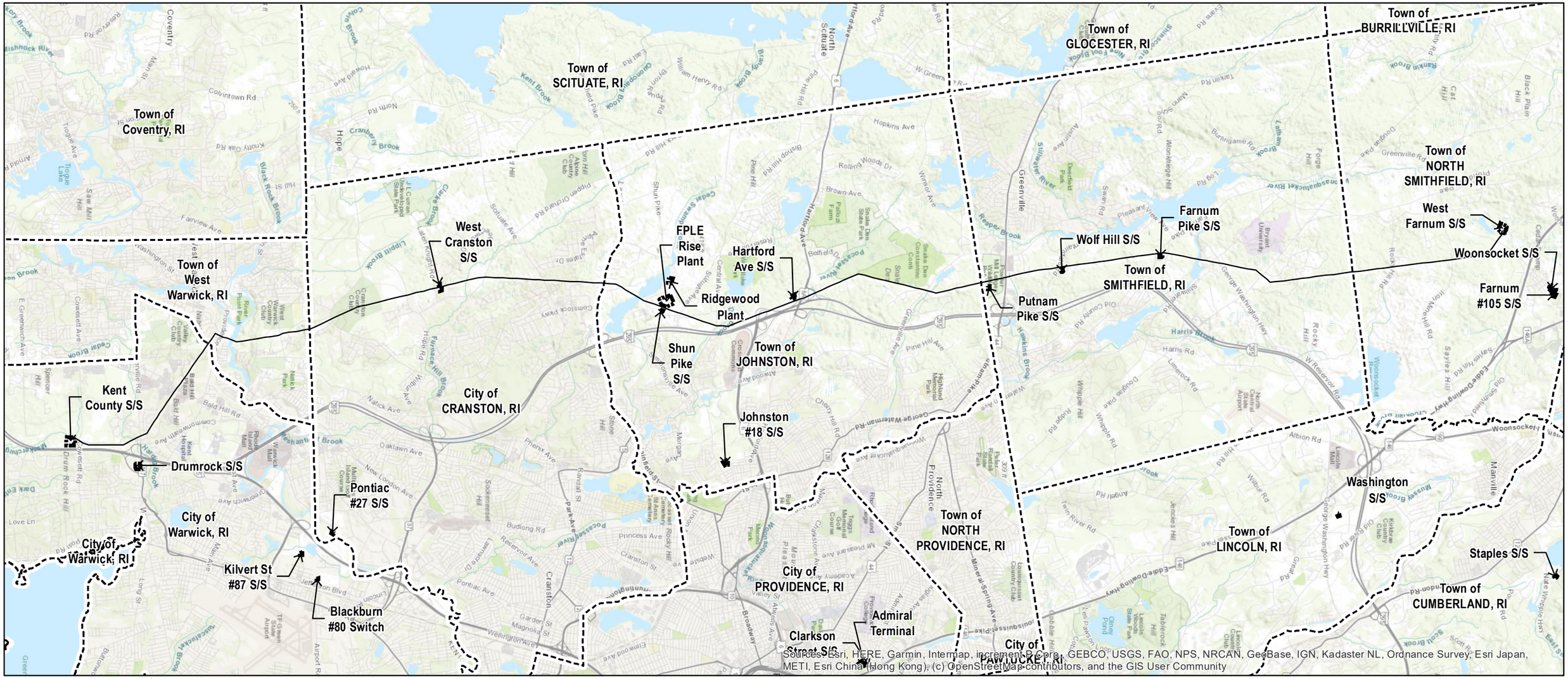
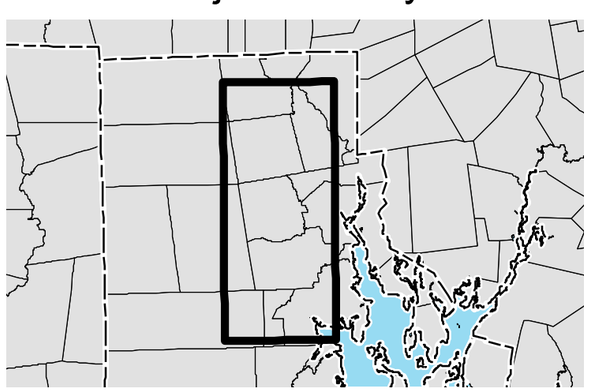


Project Vicinity



Legend

- Project Transmission Line
- Existing Power Facility
- Town Boundary

332 Line West Farnum to Kent County Rebuild Project

Figure 1-1 - Project Overview Map

State of Rhode Island

Providence and Kent Counties:
Towns of North Smithfield, Smithfield, Johnston and West Warwick, Cities of Cranston and Warwick

BSC GROUP

NAD 1983 2011 StatePlane Rhode Island FIPS 3800 Ft US

W S N E

0 1 2 Miles

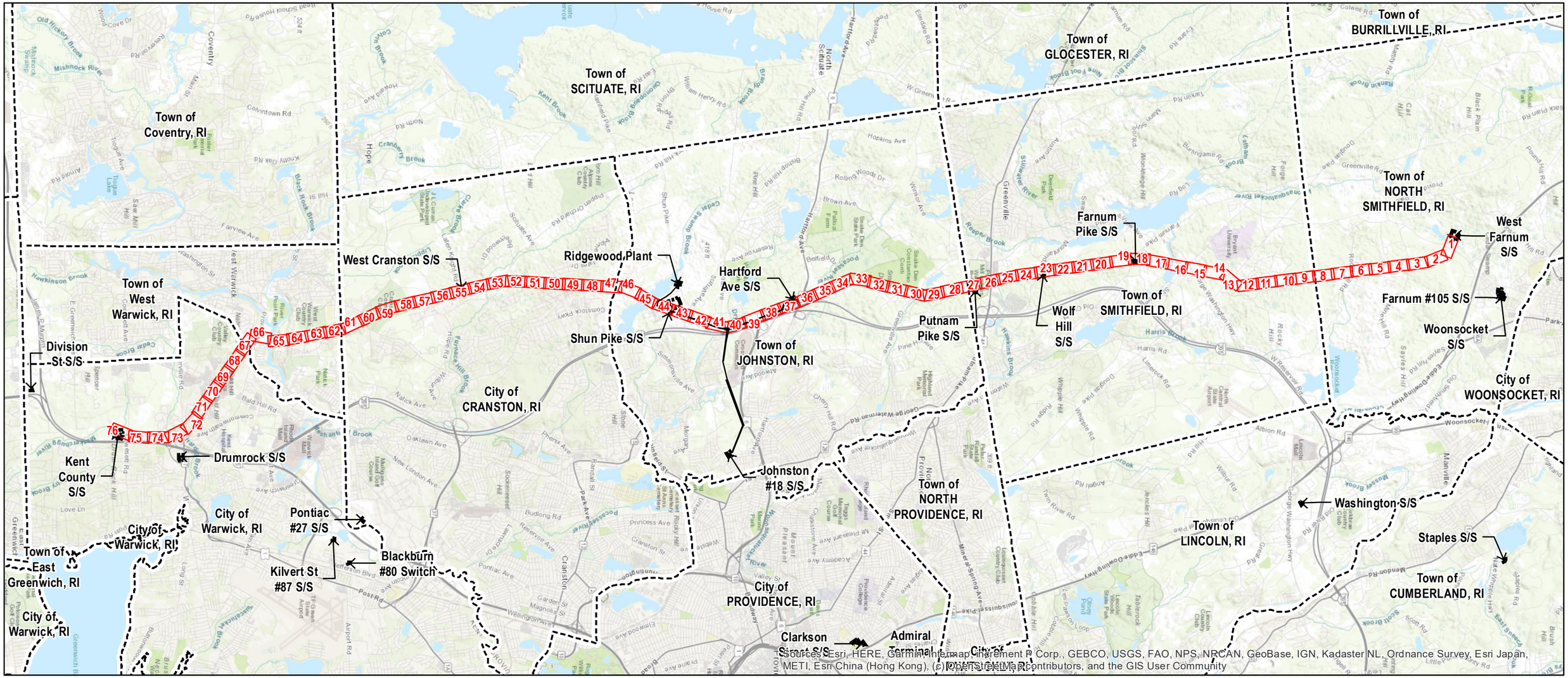
1 " = 7,000 '

Rhode Island Energy

NOT FOR CONSTRUCTION

DATE: 8/5/2025

AUTHOR: RANETA



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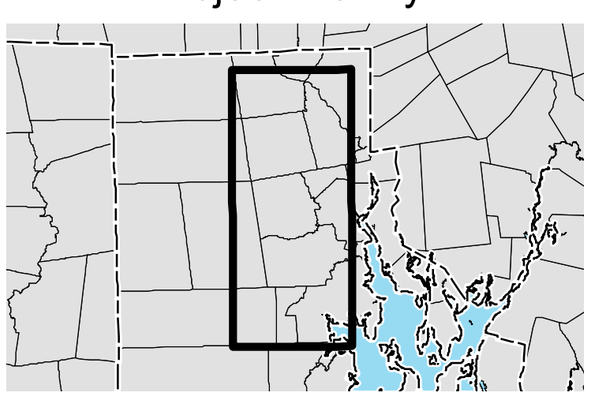

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332 Line West Farnum to Kent County Rebuild Project

Figure 3 -1 - Project Alignment Drawings Index Map

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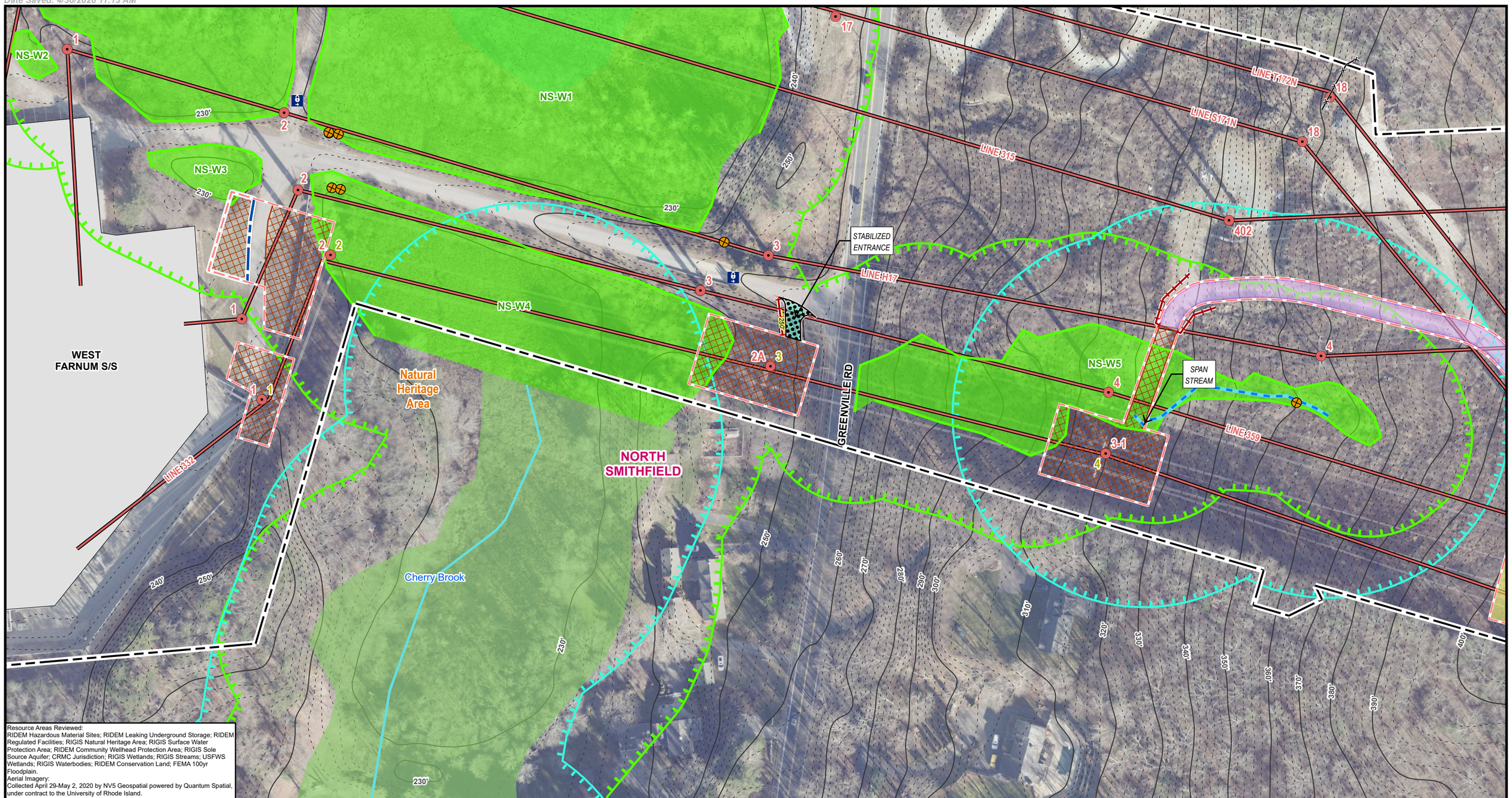

Resource Areas Reviewed:
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Aerial Imagery:
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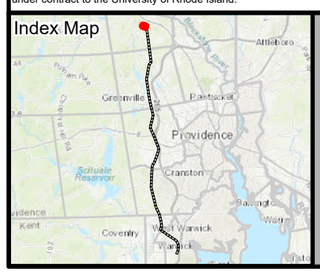

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This map set is entirely within DEM Wetland Jurisdiction & RI Wetland Reg. River Region 2
**Indicates Layers Set to Transparency*

332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Page 1 of 76
North Smithfield, RI

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Created by: BSC GROUP

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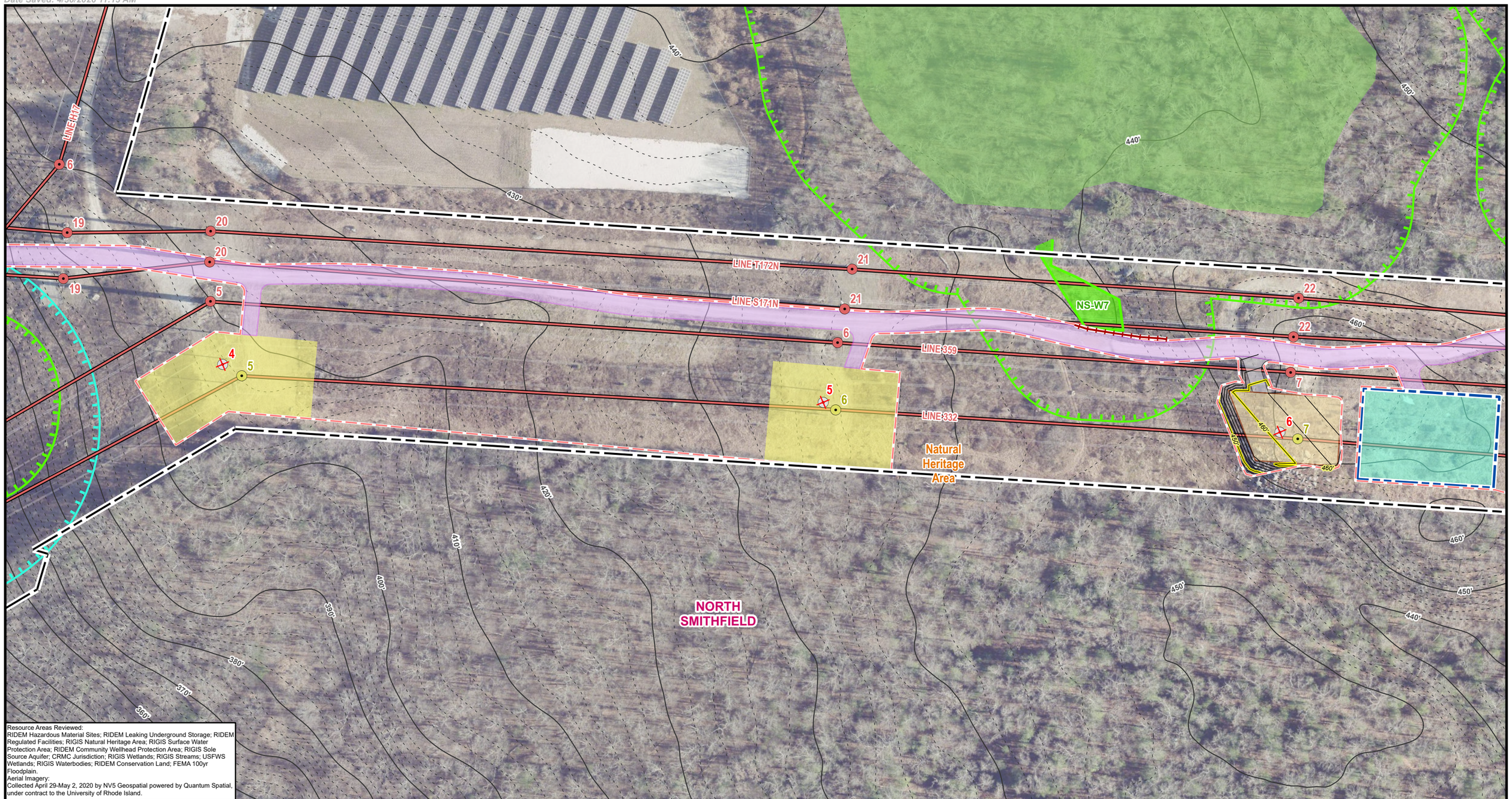

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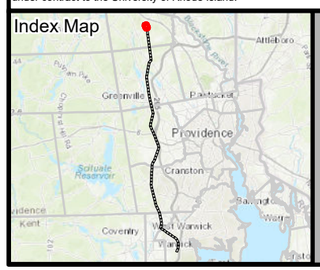

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Page 2 of 76
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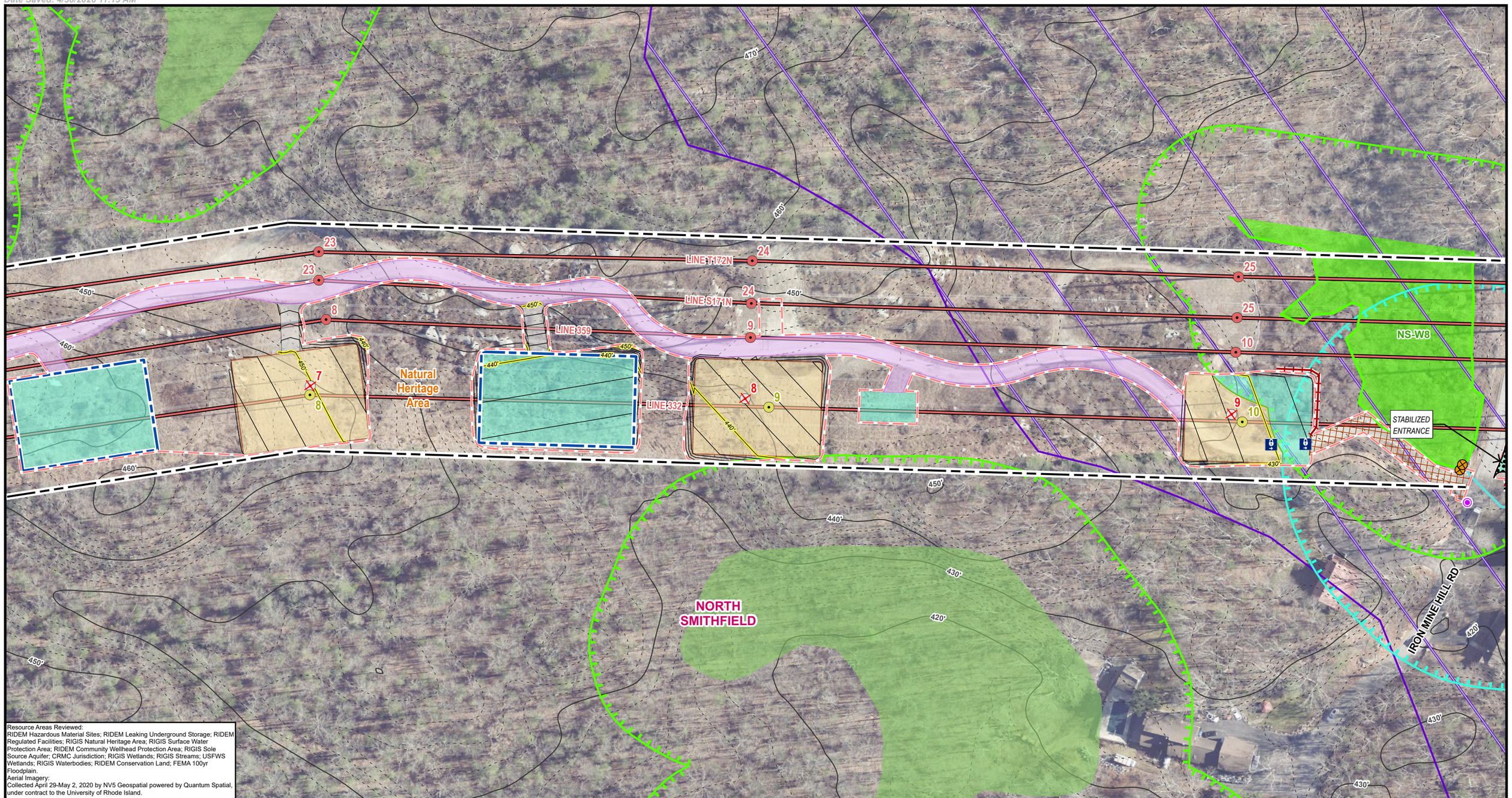

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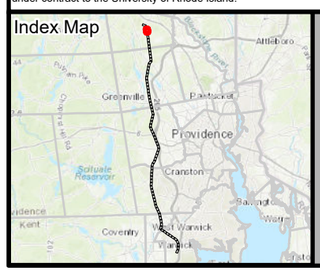

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

North Smithfield, RI

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Created by: BSC GROUP

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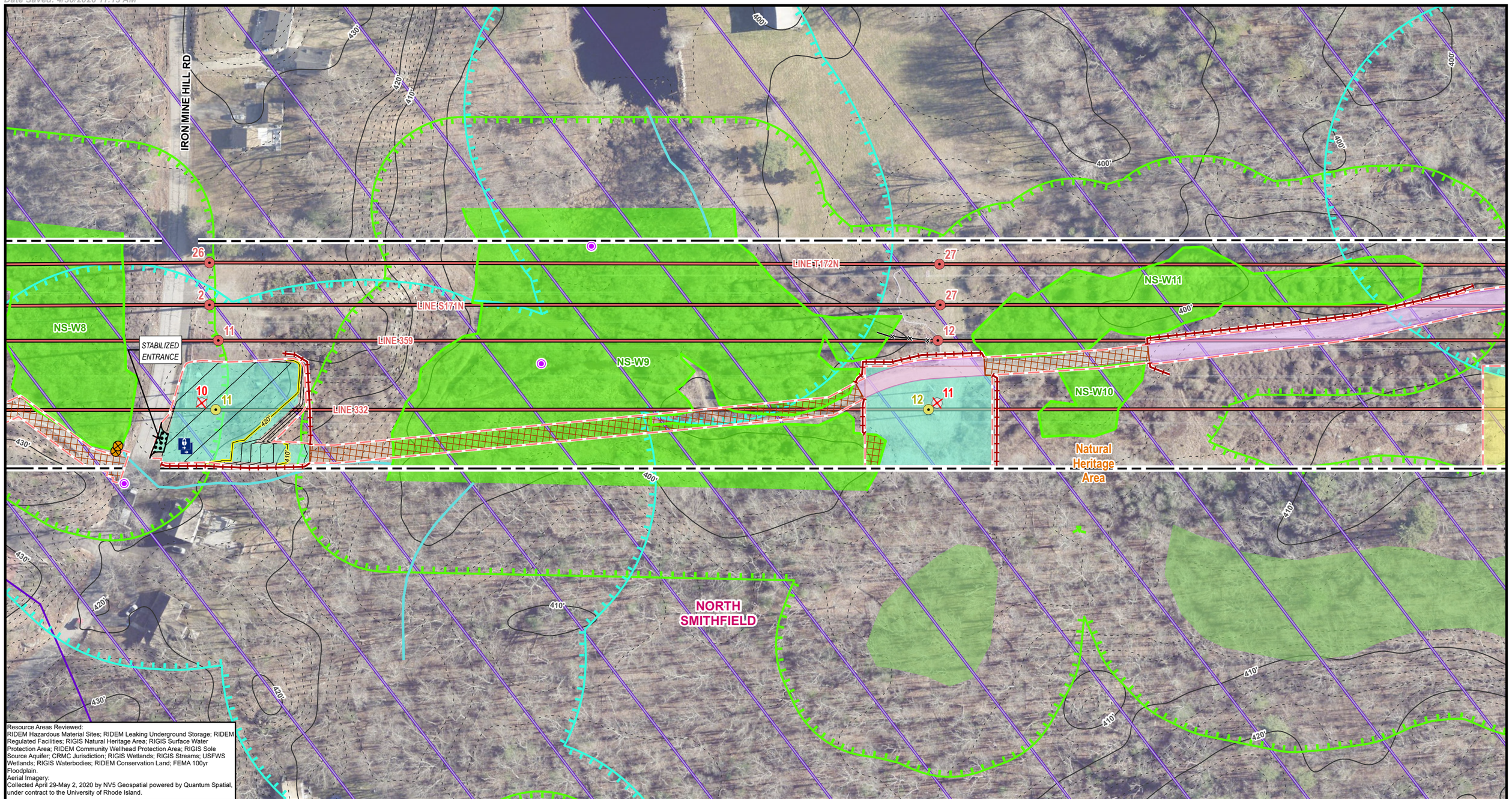

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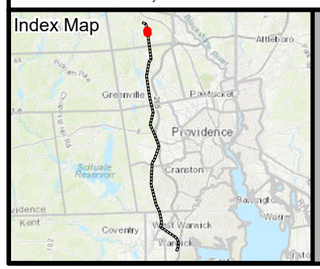

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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Project Alignment Drawings

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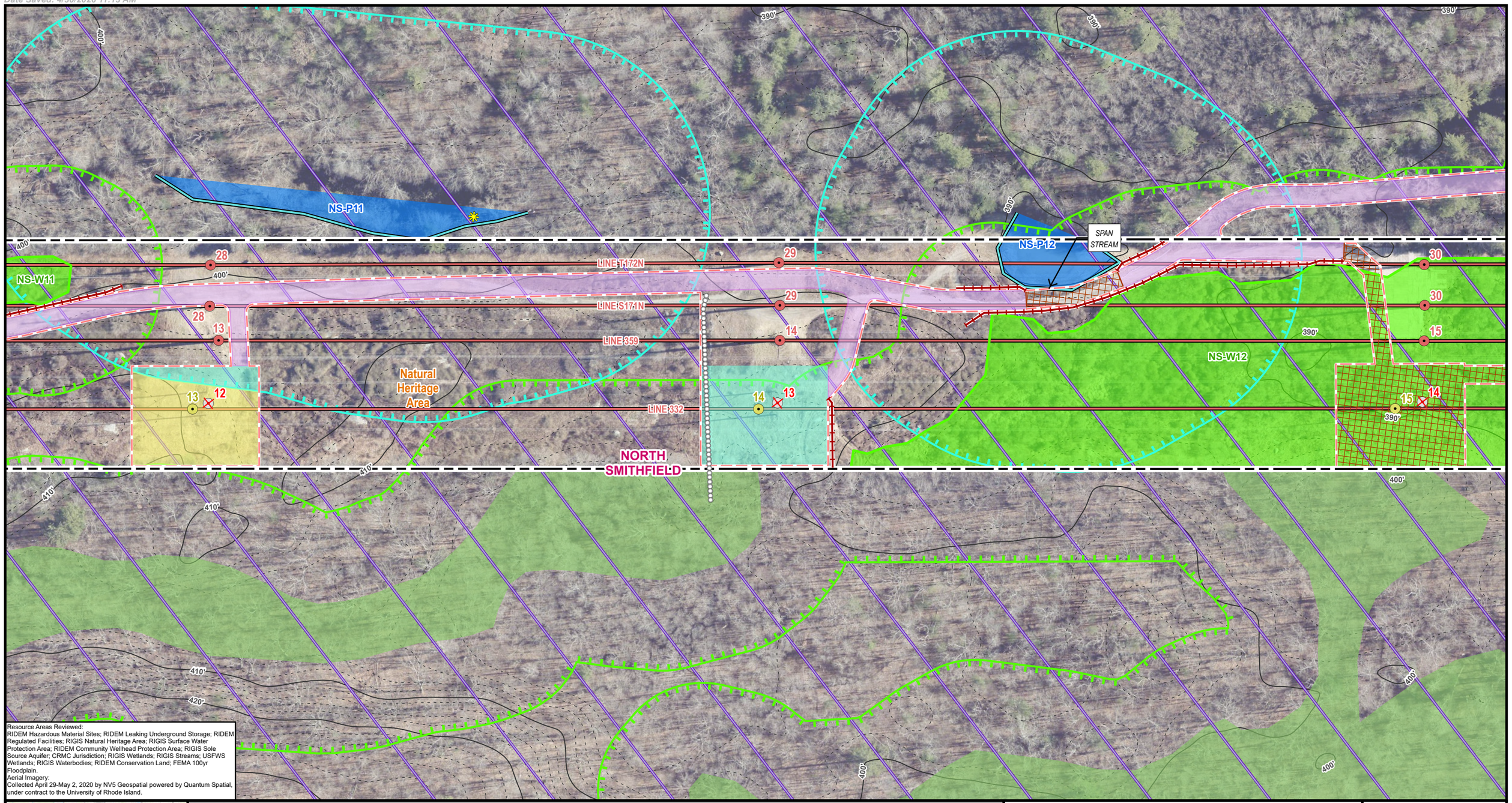

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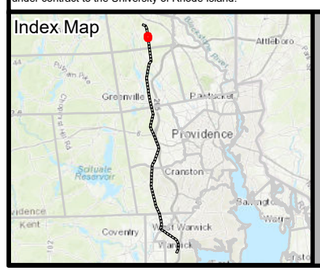

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Figure 3-1
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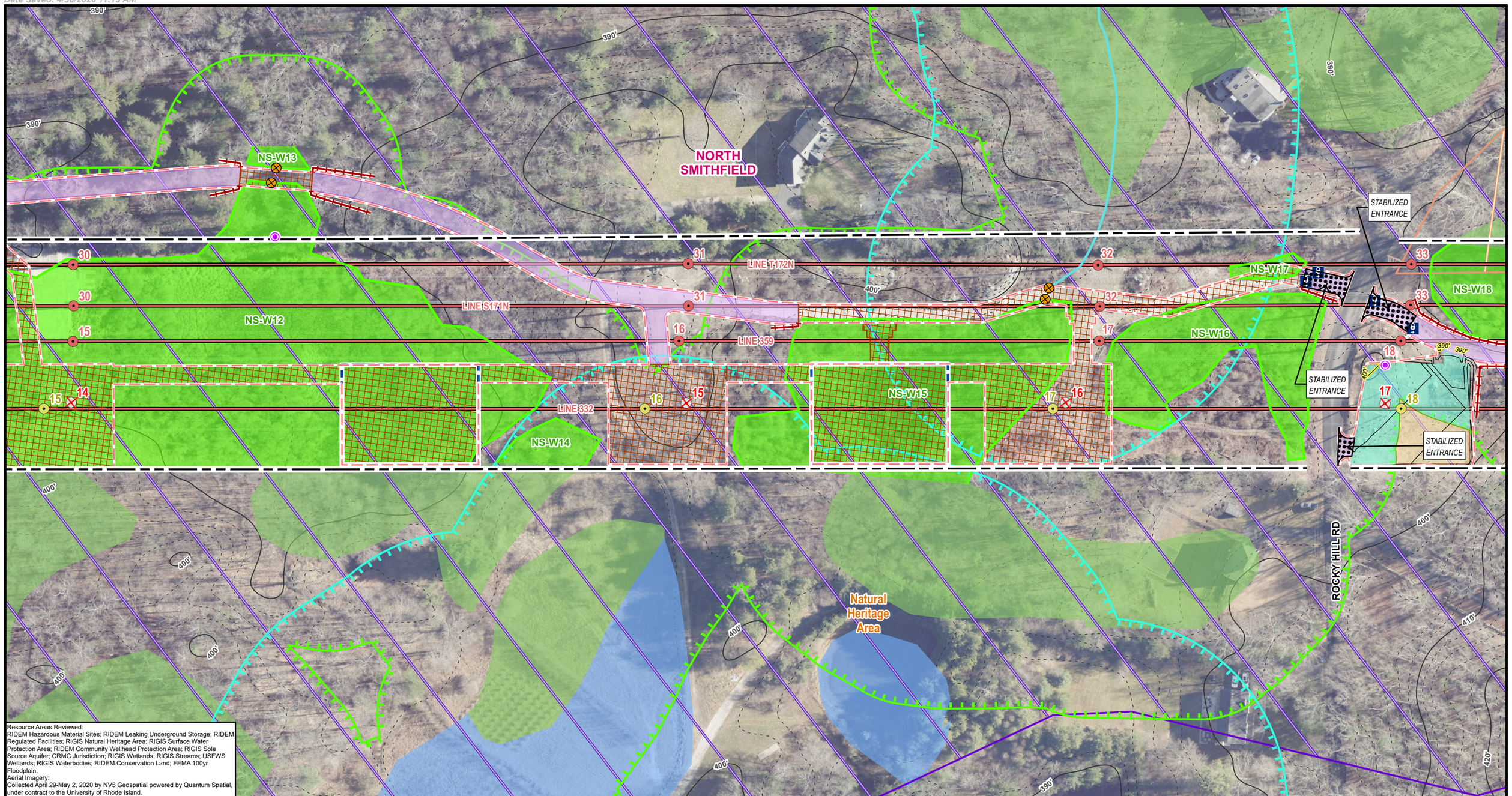

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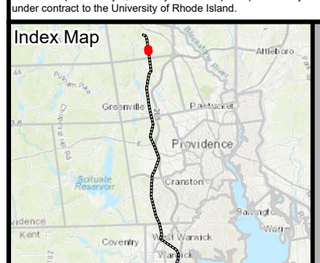

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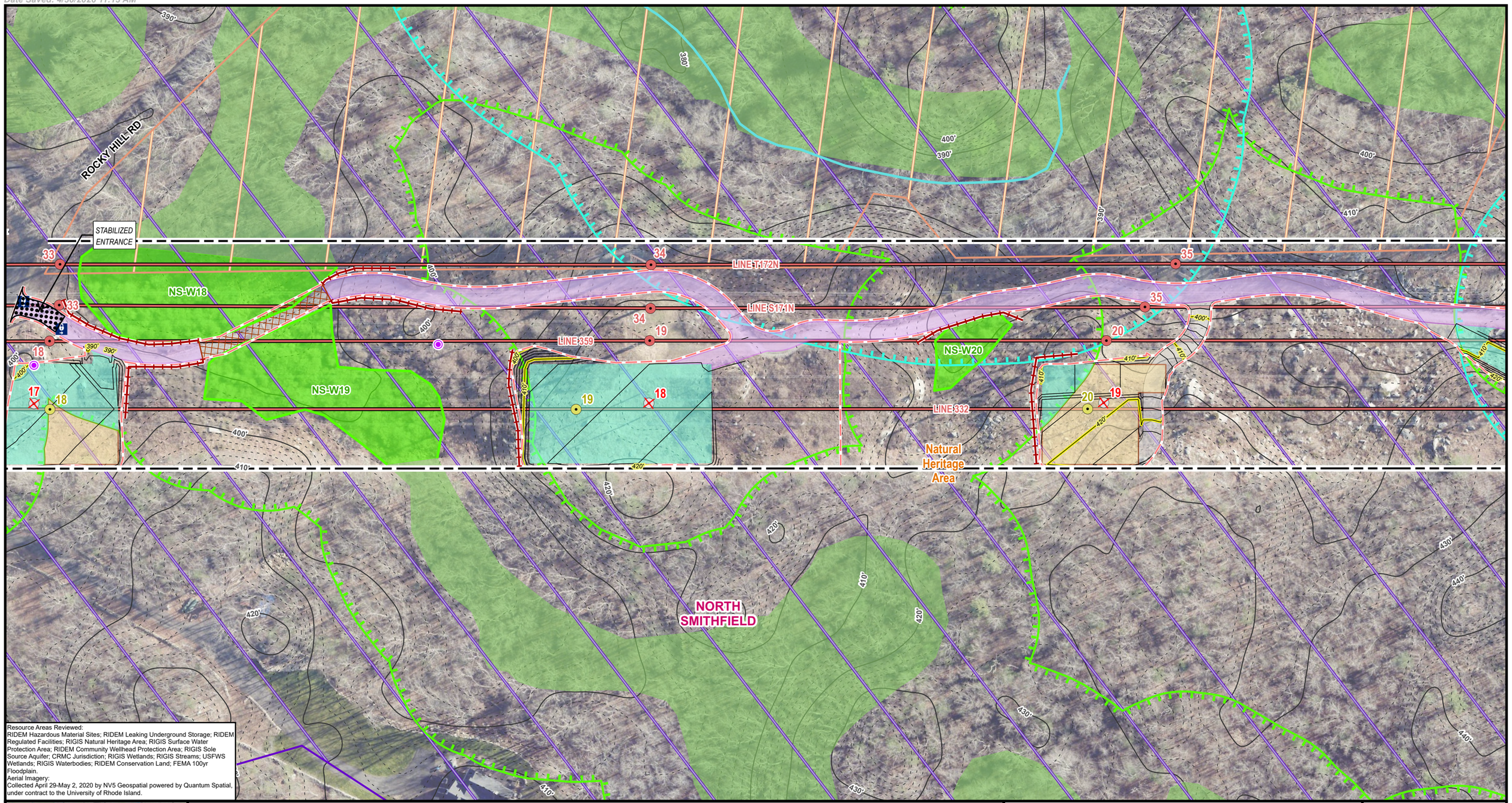

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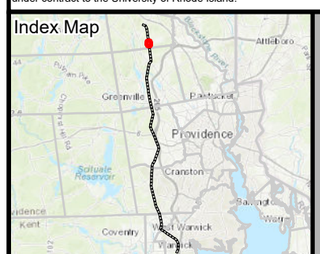

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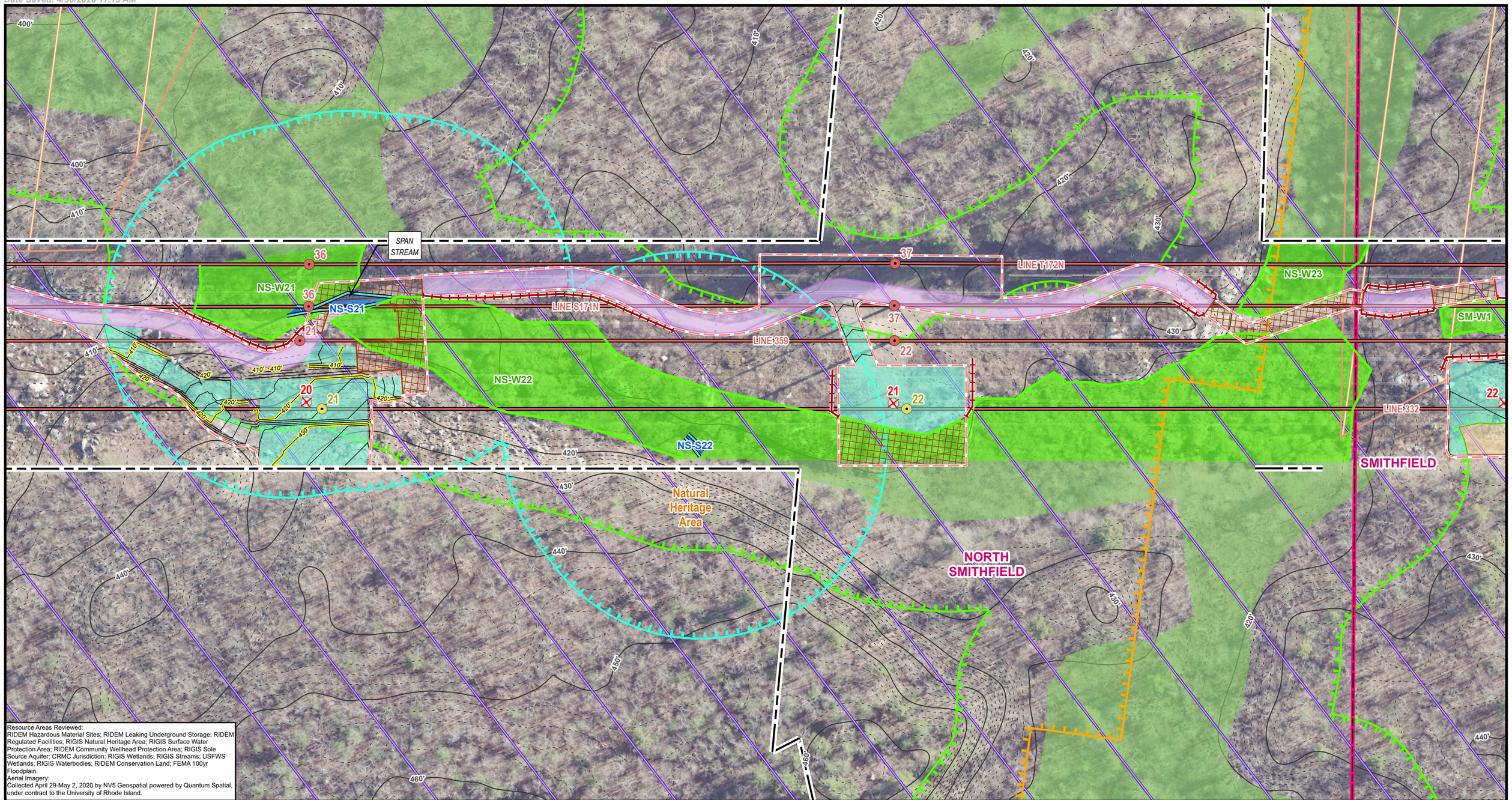

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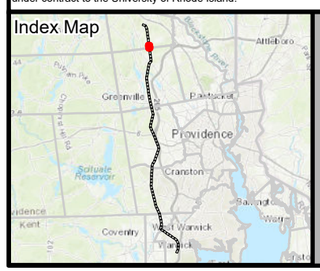

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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North Smithfield & Smithfield, RI

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Created by: BSC GROUP

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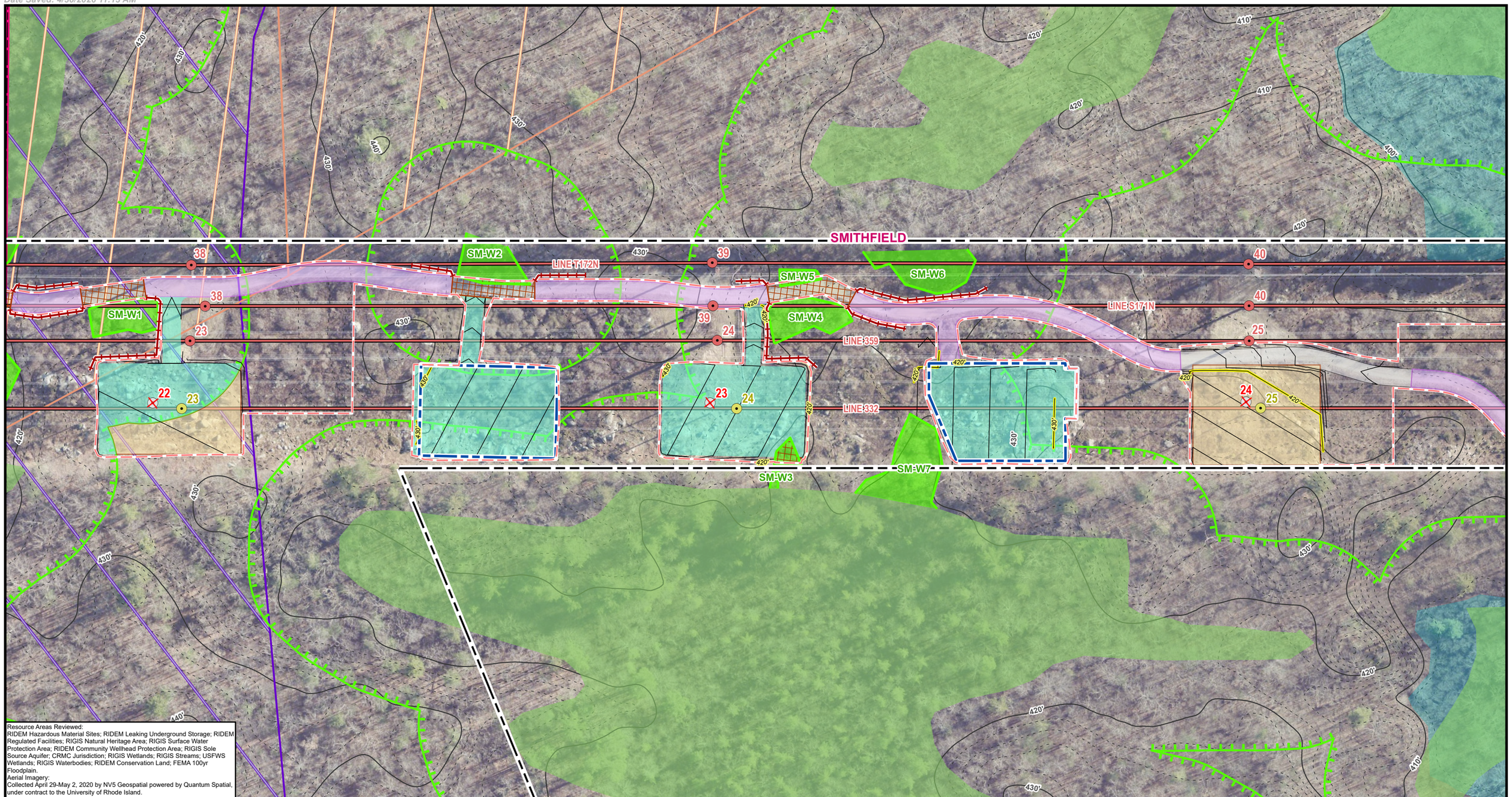

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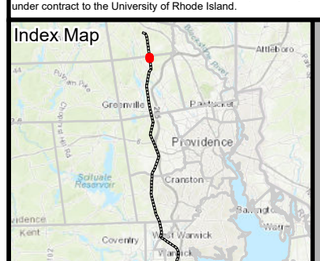

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Project Alignment Drawings

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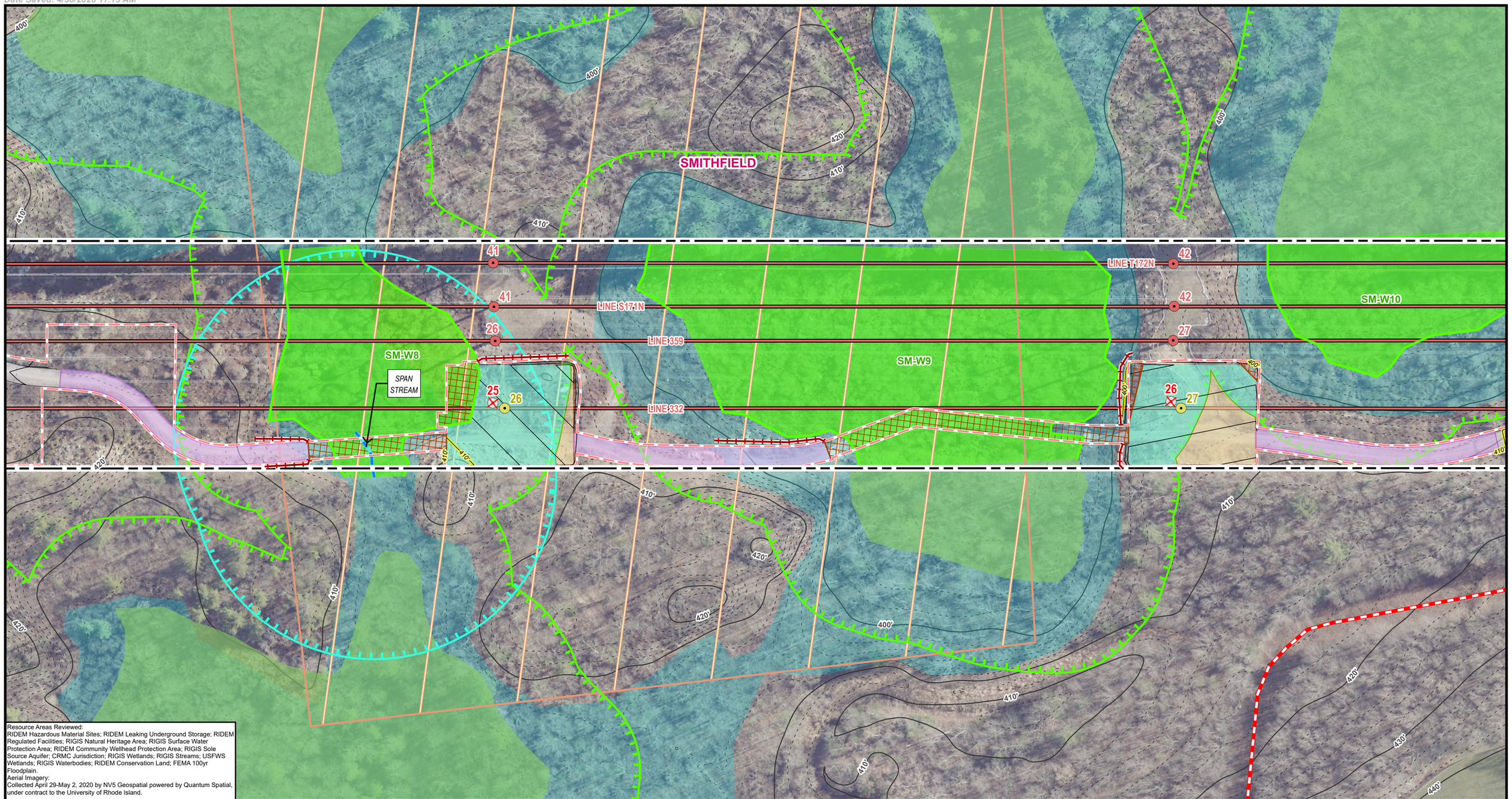

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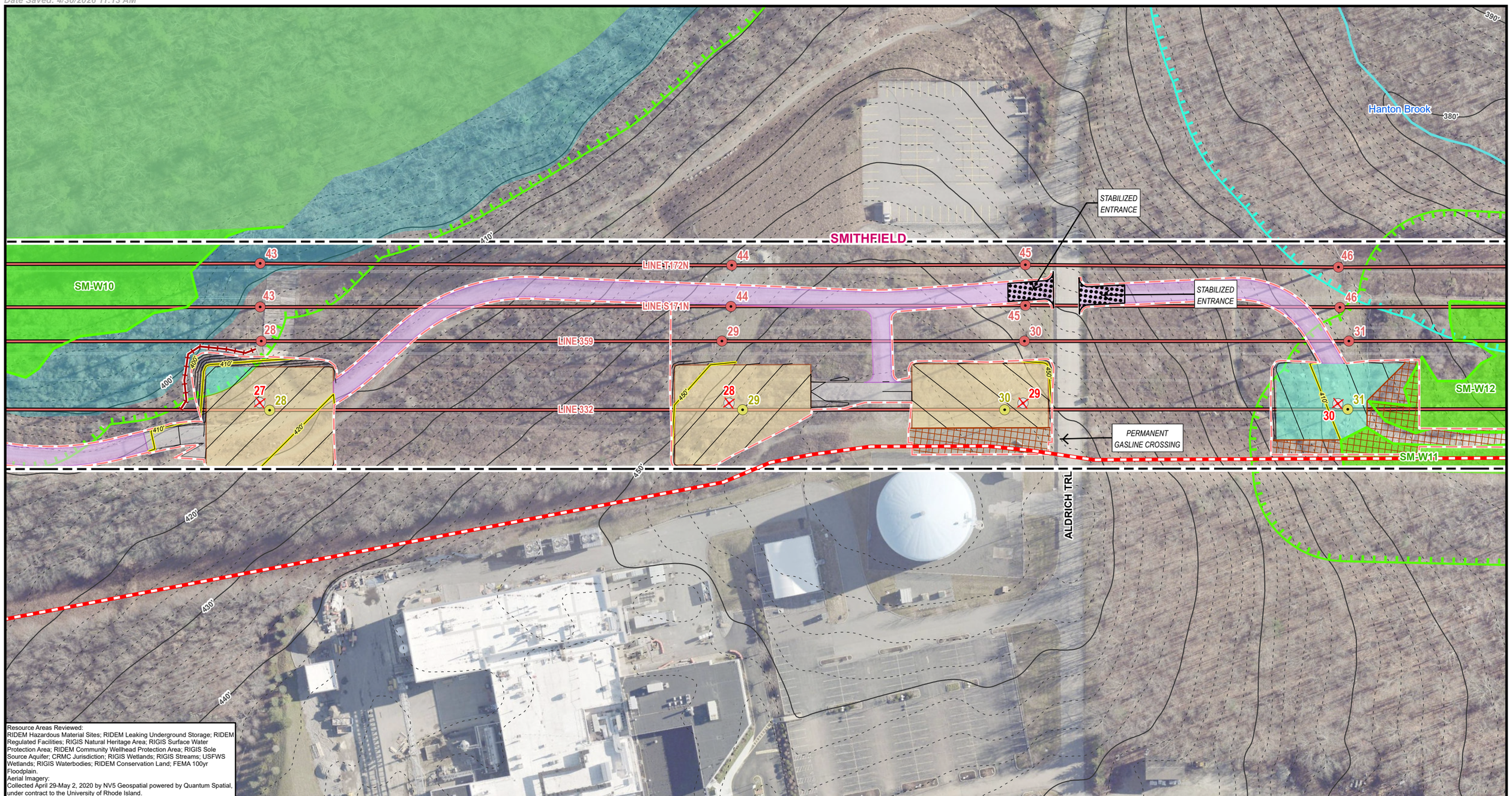

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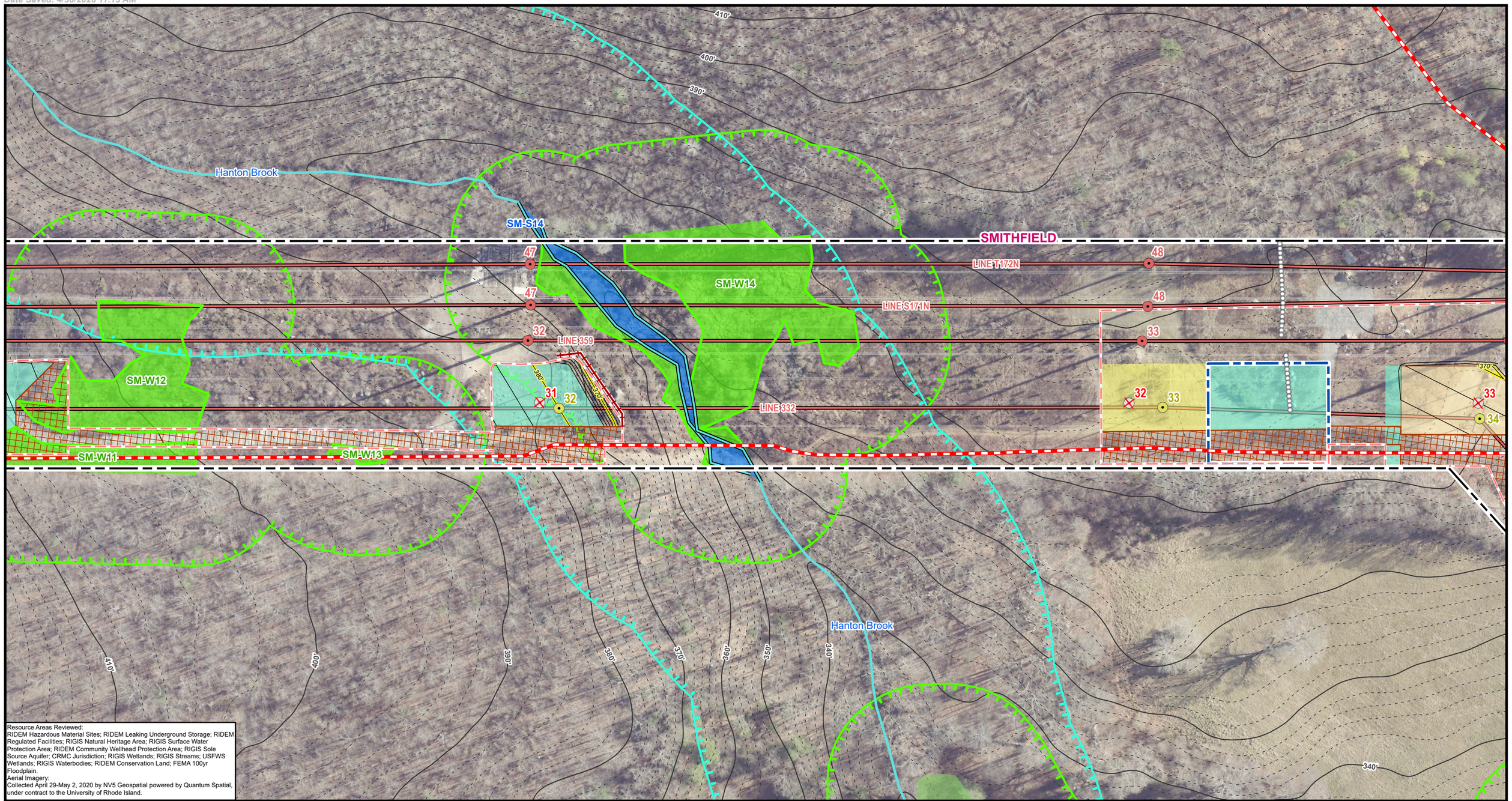

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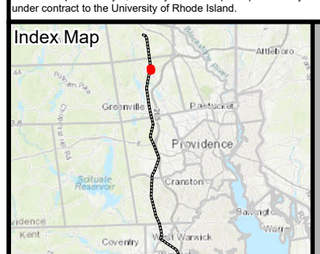

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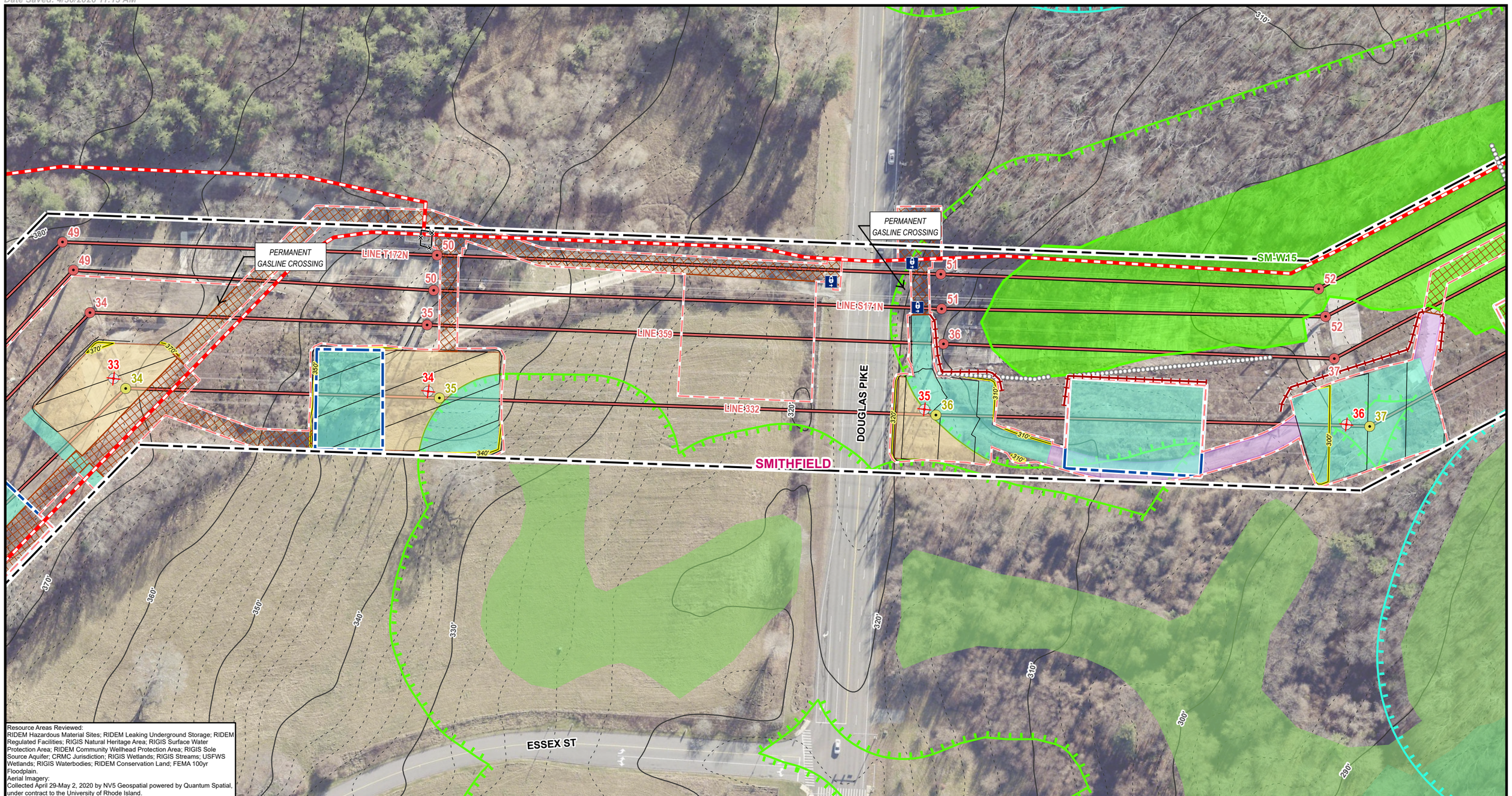

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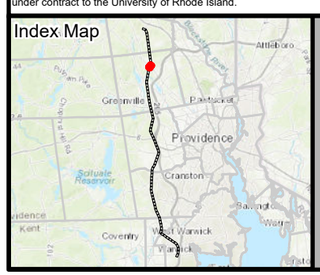

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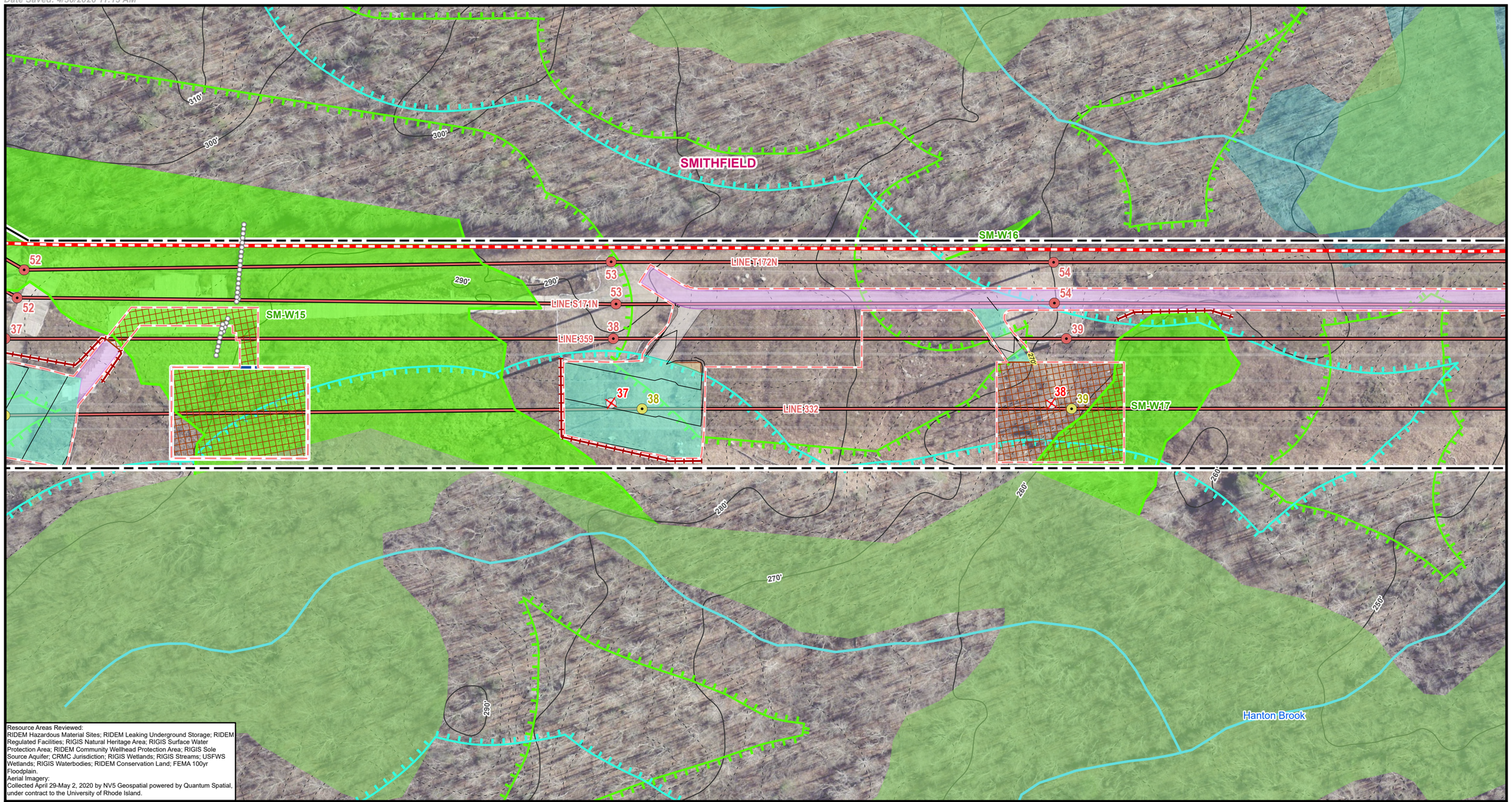

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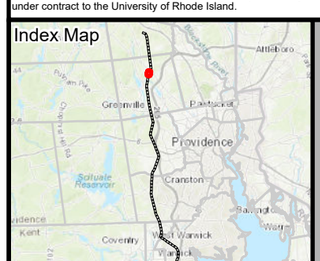

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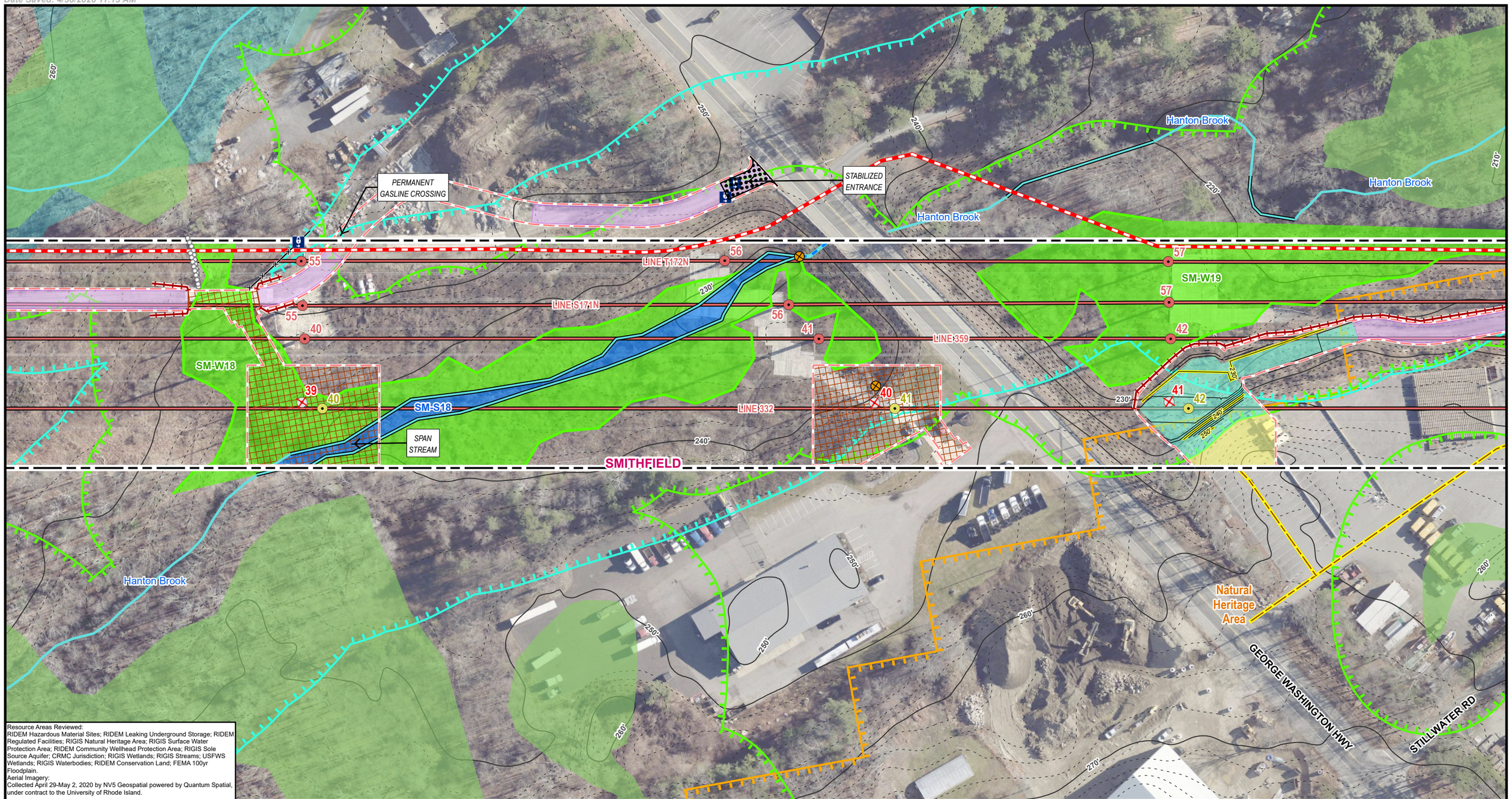

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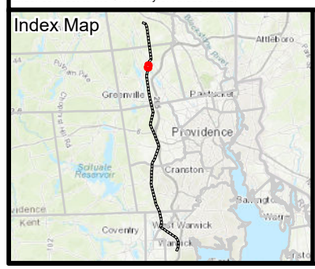

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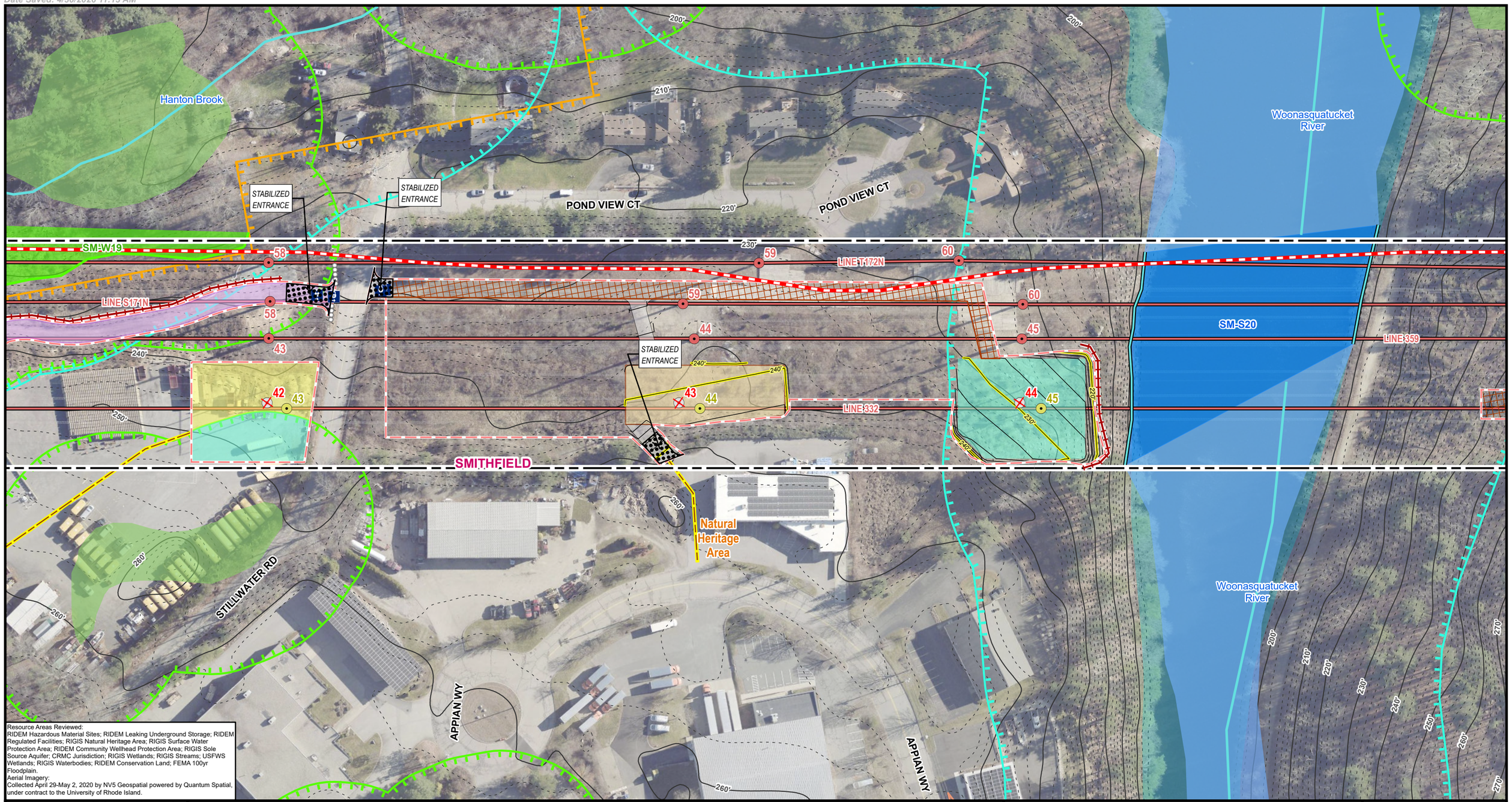

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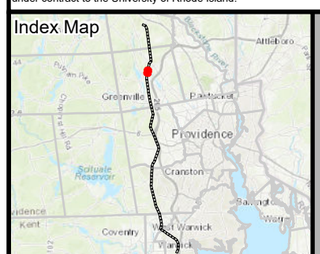

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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Smithfield, RI

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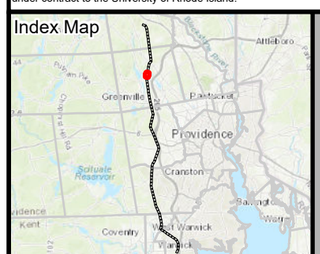

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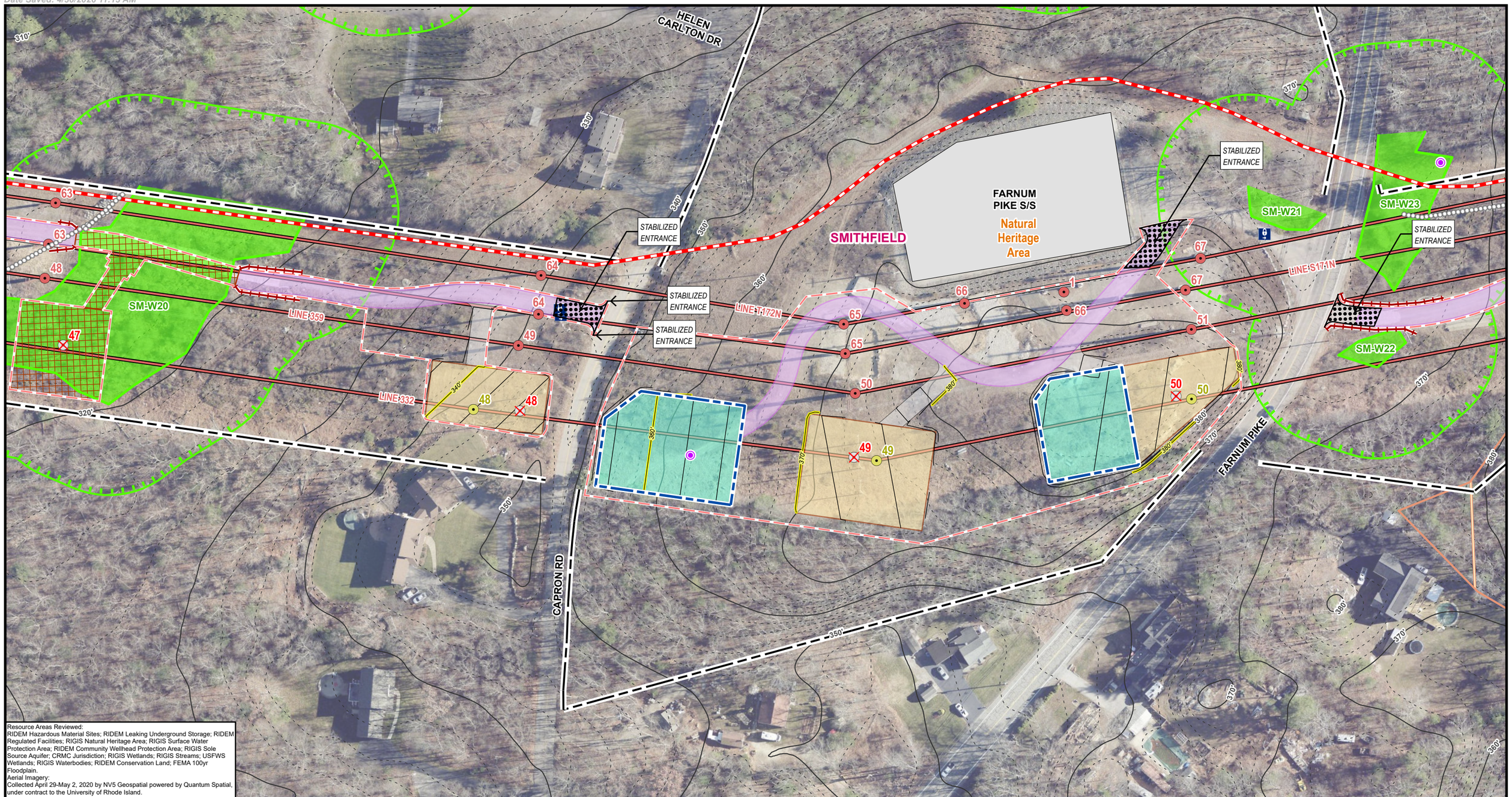

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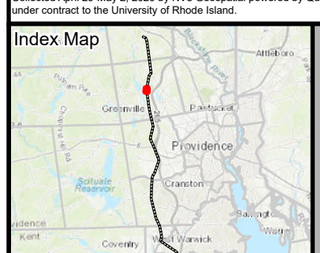

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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Smithfield, RI

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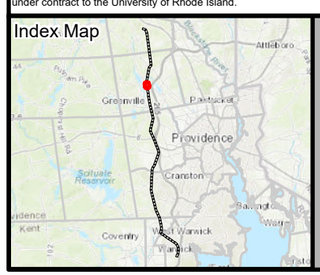

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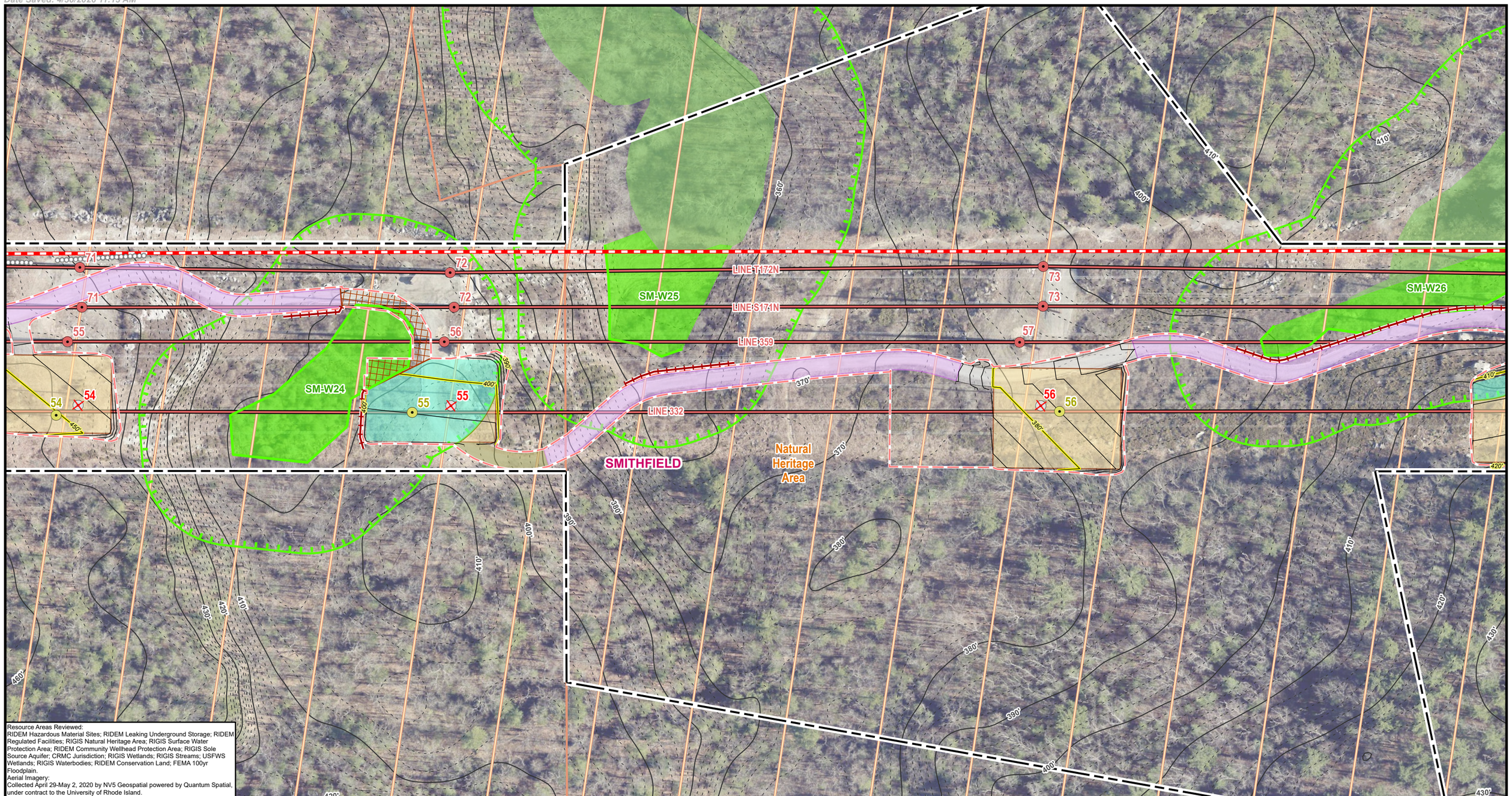

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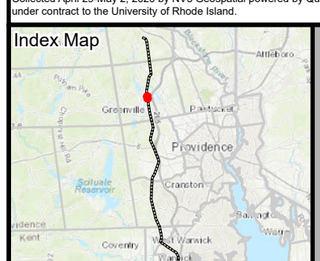

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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Smithfield, RI

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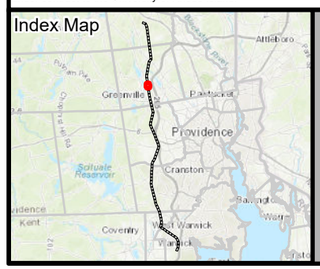

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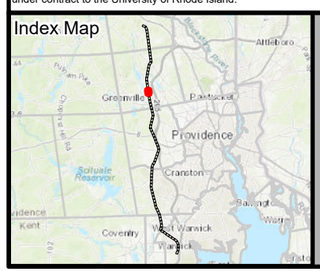

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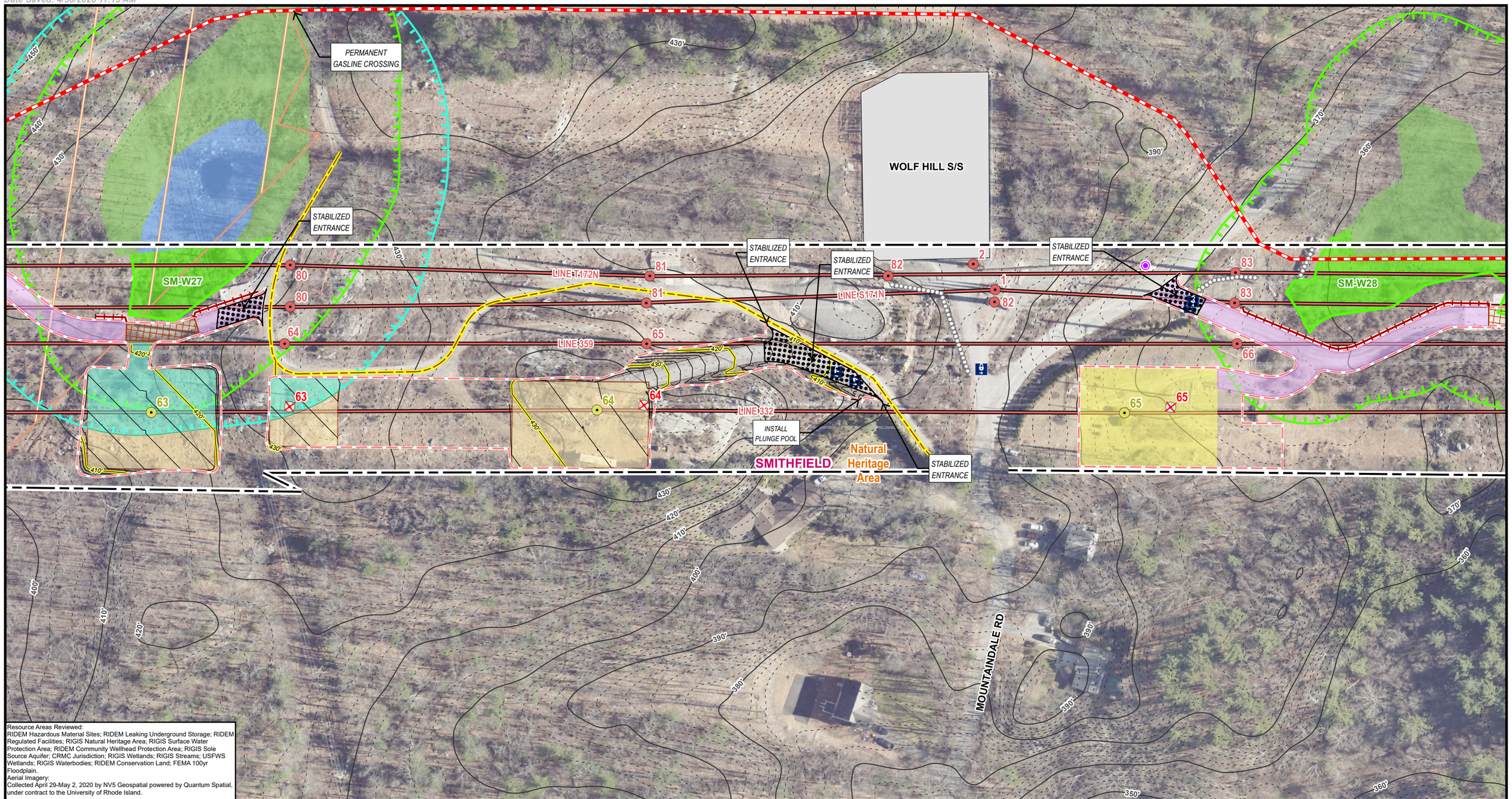

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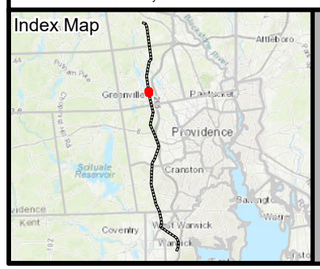

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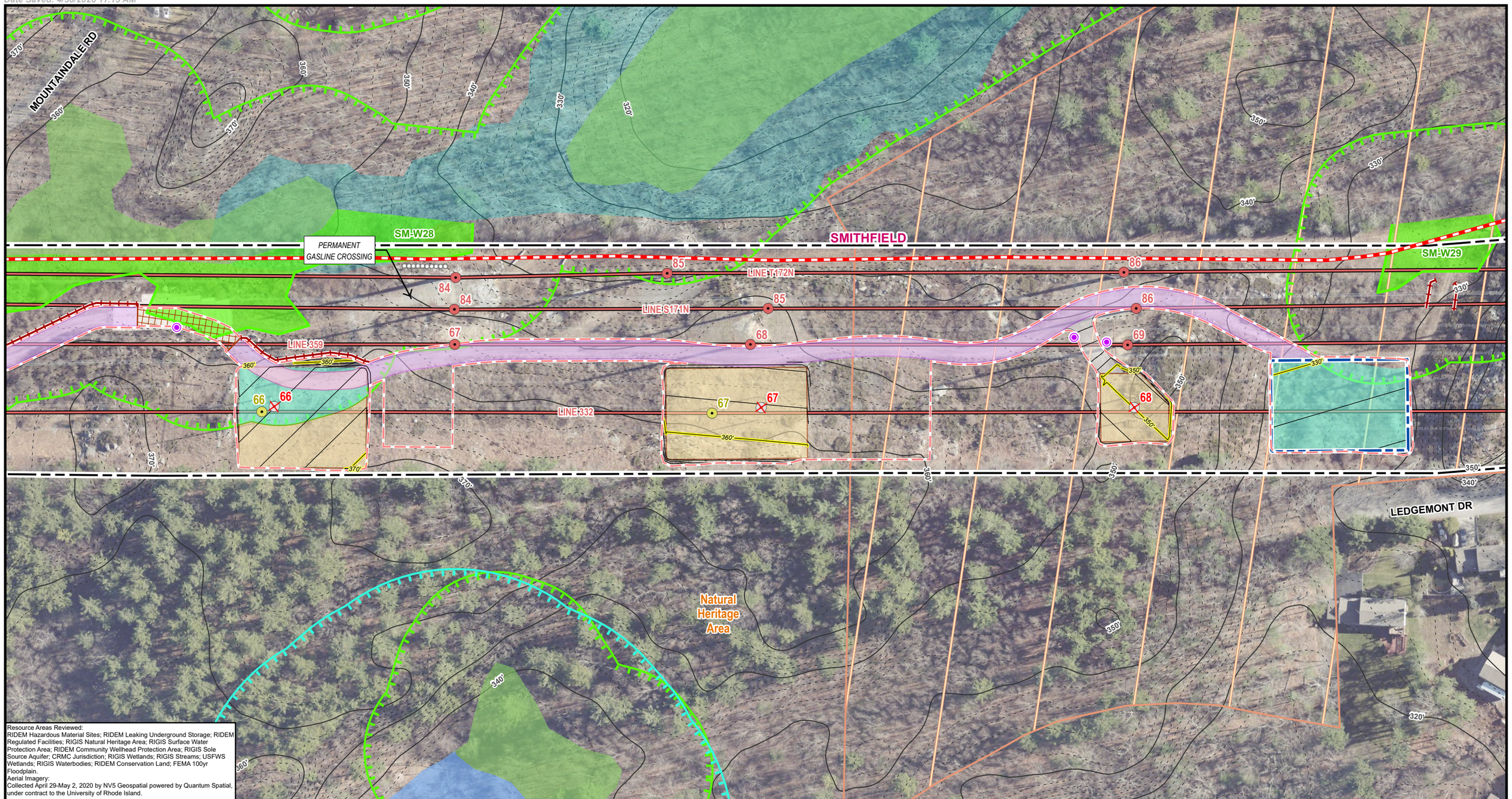

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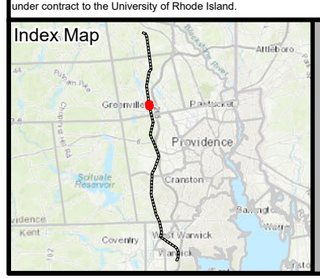

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**Indicates Layers Set to Transparency*

332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Smithfield, RI

Created for: Rhode Island Energy™ a PPL company

Created by: BSC GROUP

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Resource Areas Reviewed:
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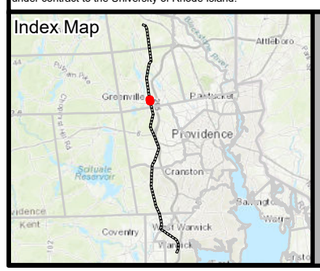

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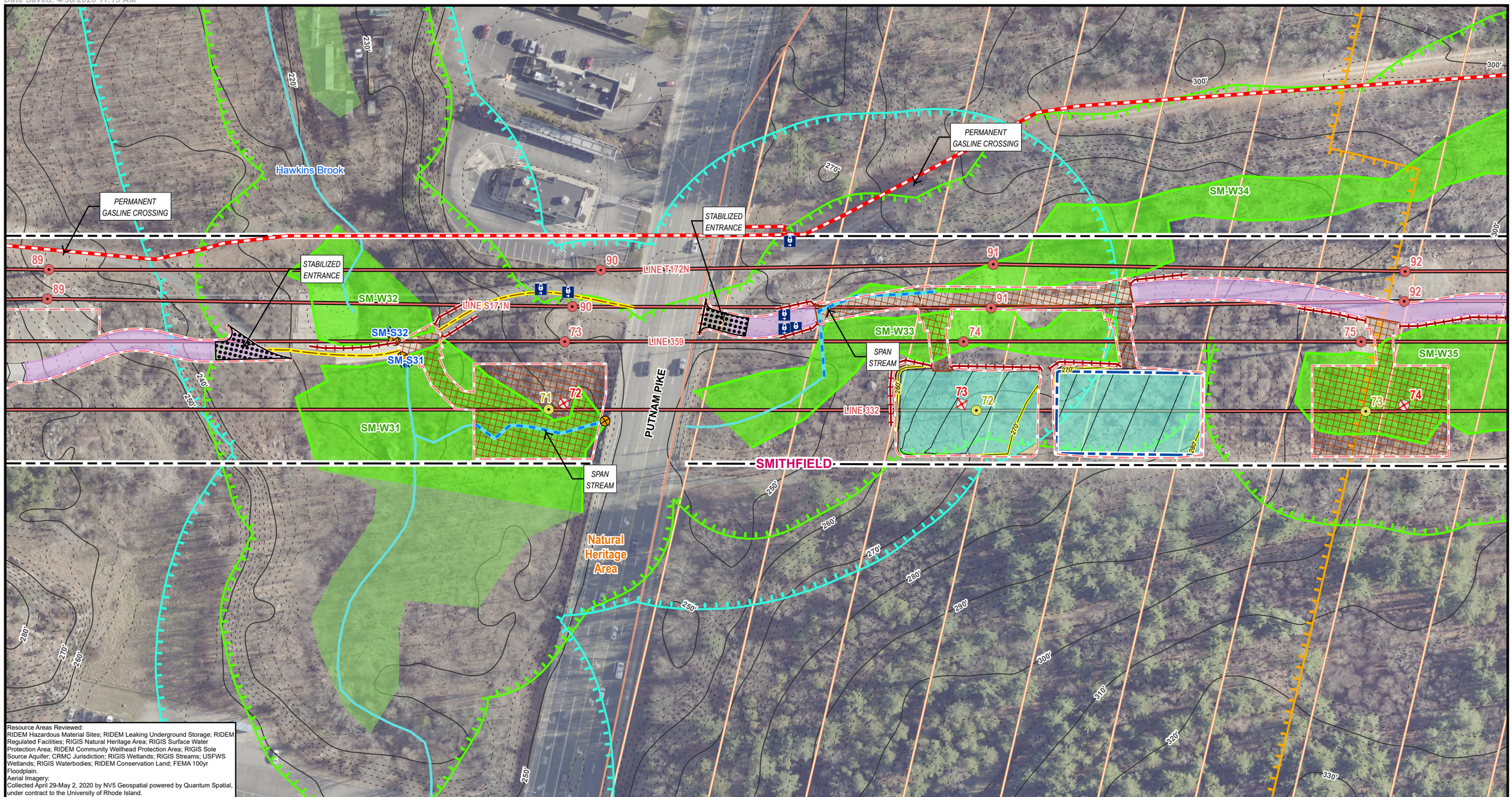

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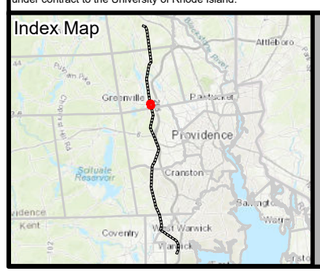

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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Smithfield, RI

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Created by: BSC GROUP

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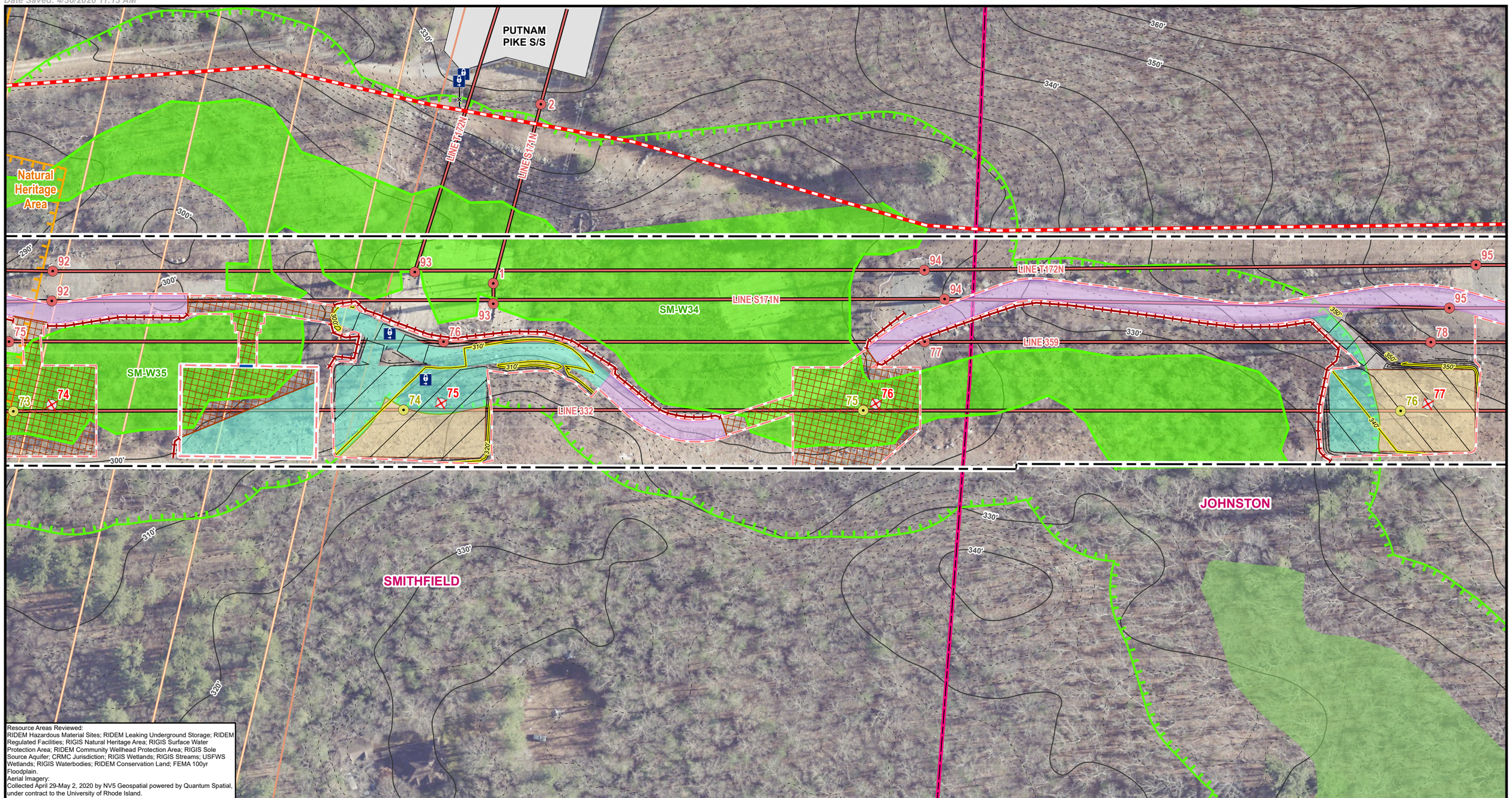

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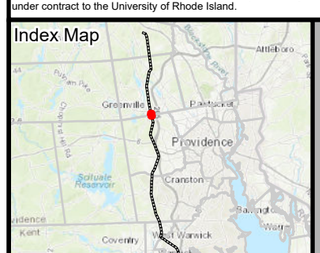

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Page 27 of 76
Smithfield & Johnston, RI

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Created by: BSC GROUP

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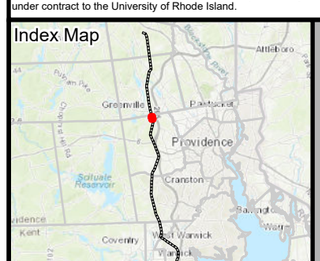

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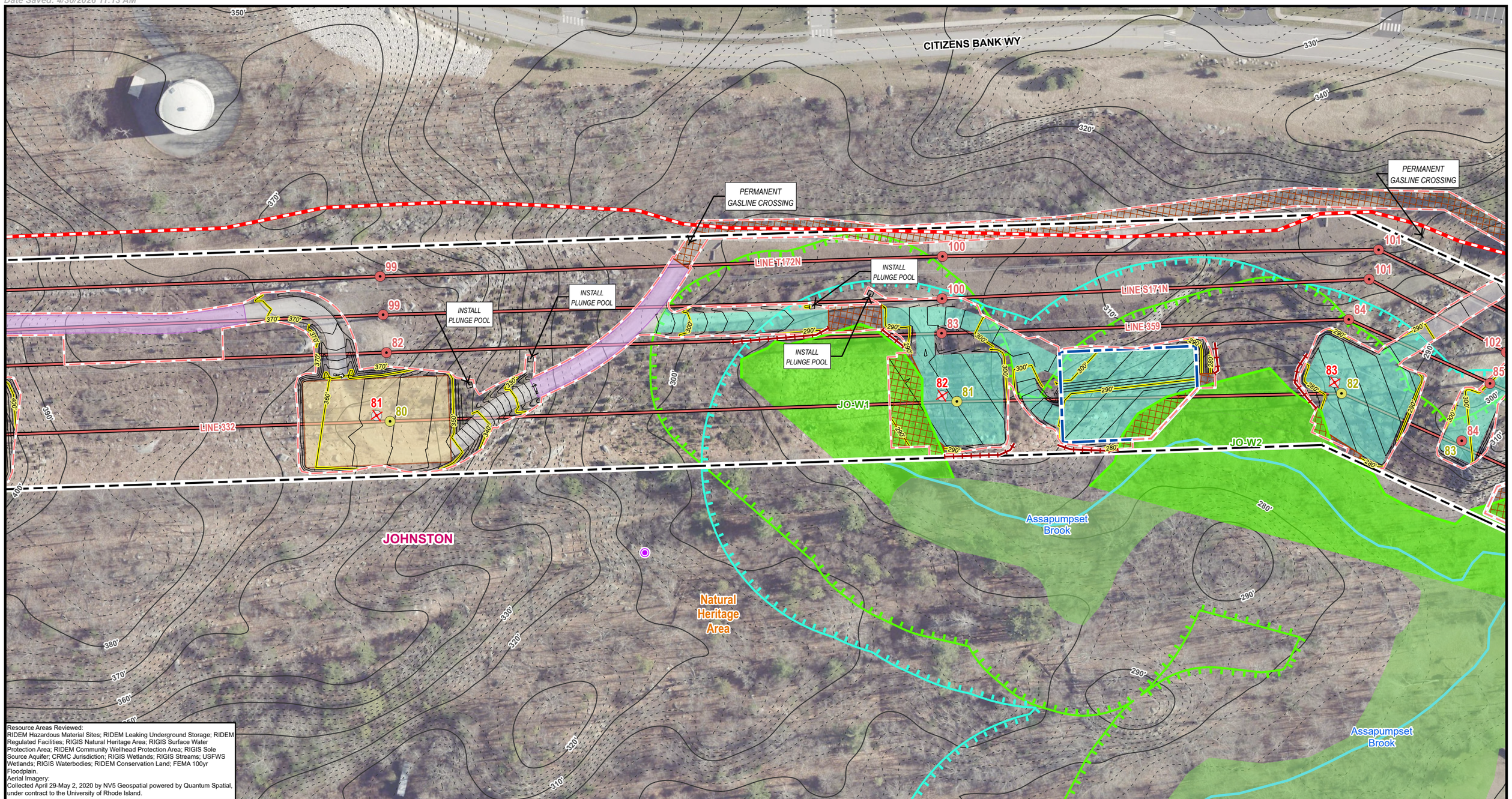

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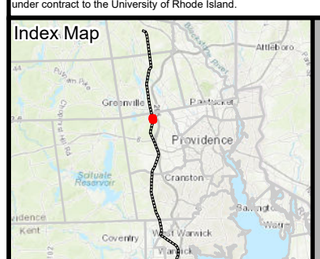

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Johnston, RI

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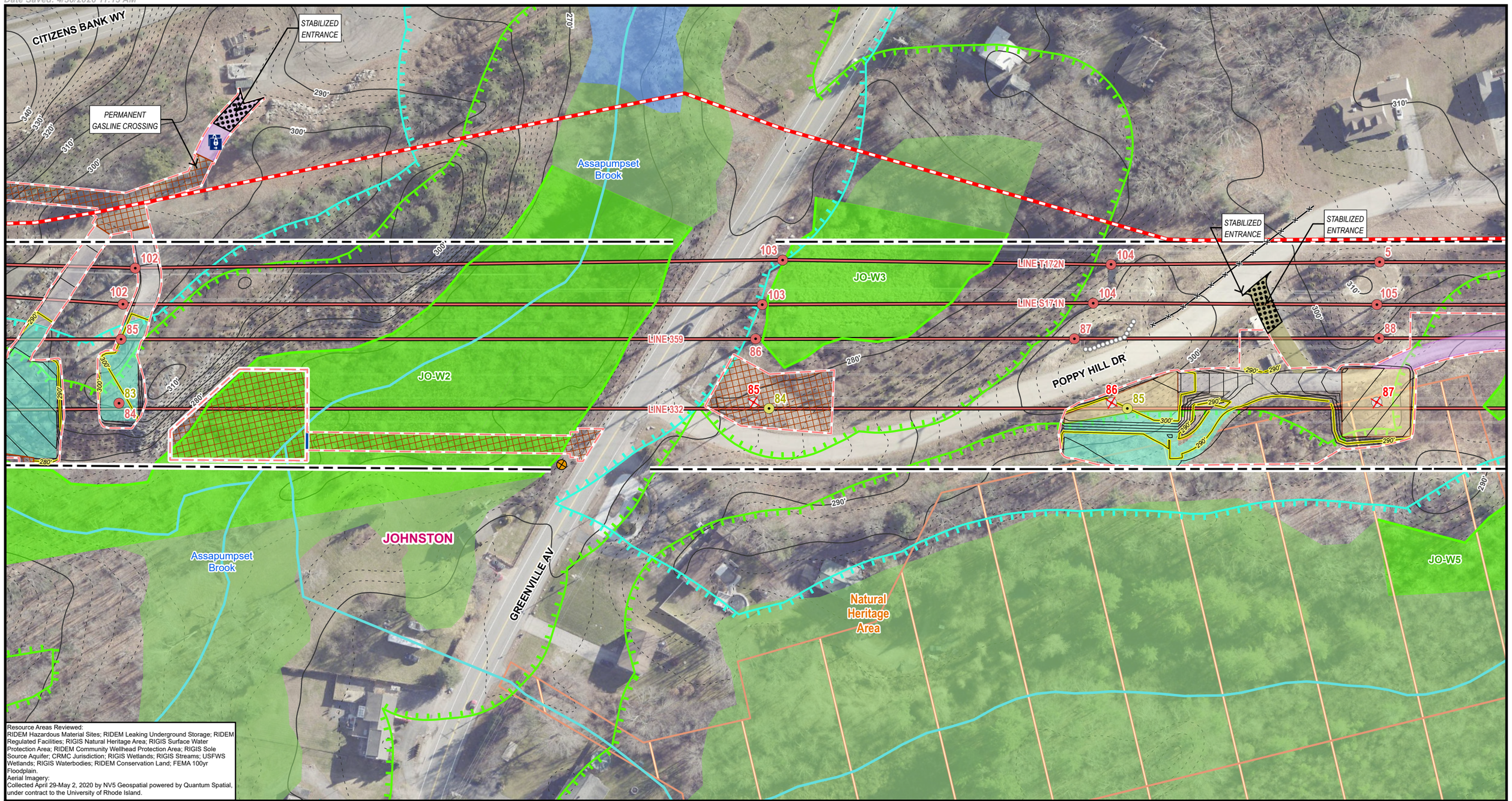

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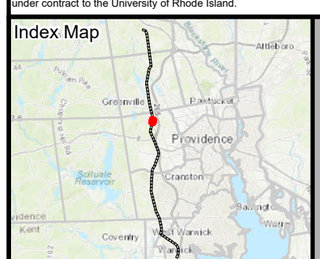

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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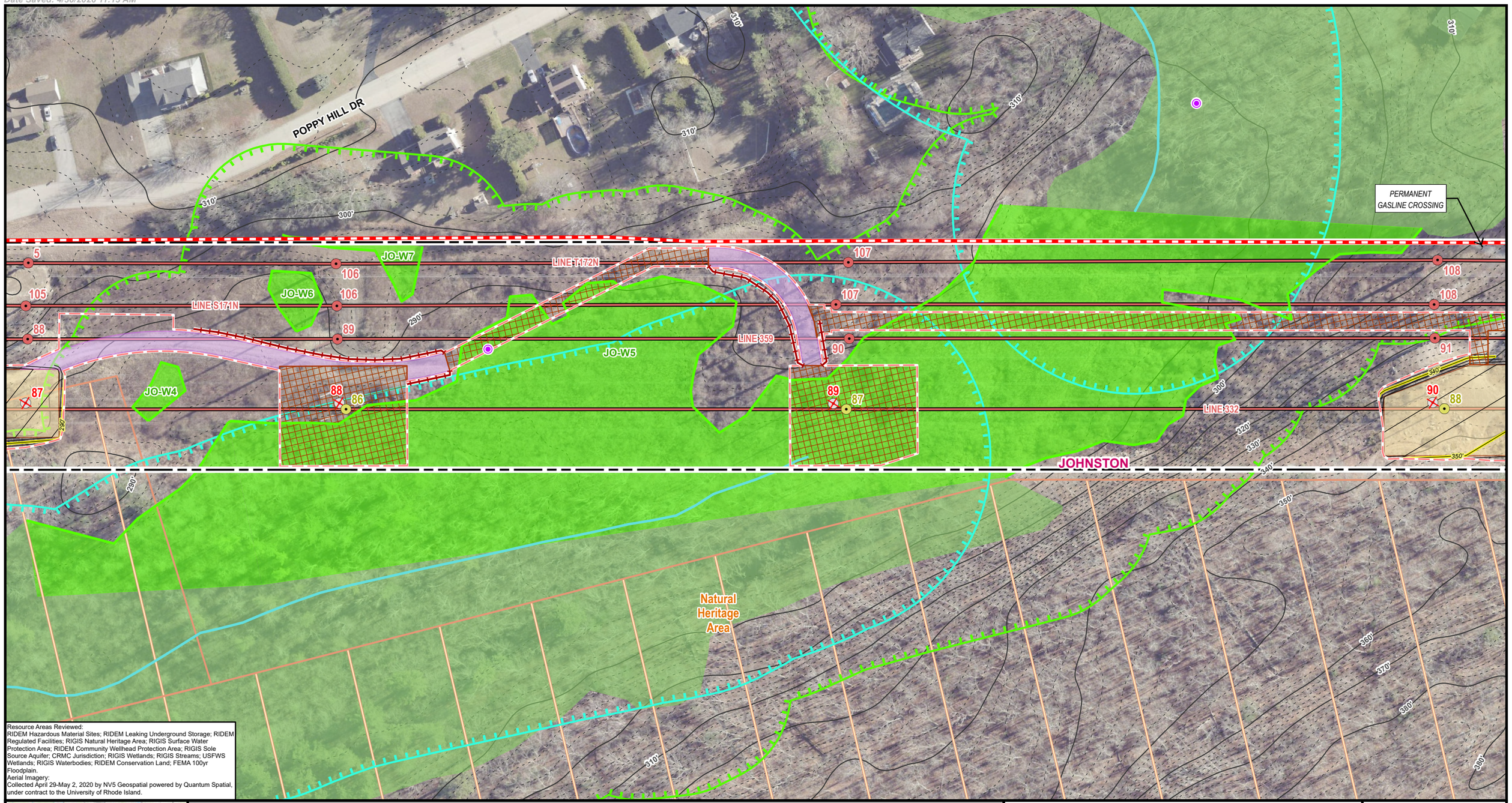

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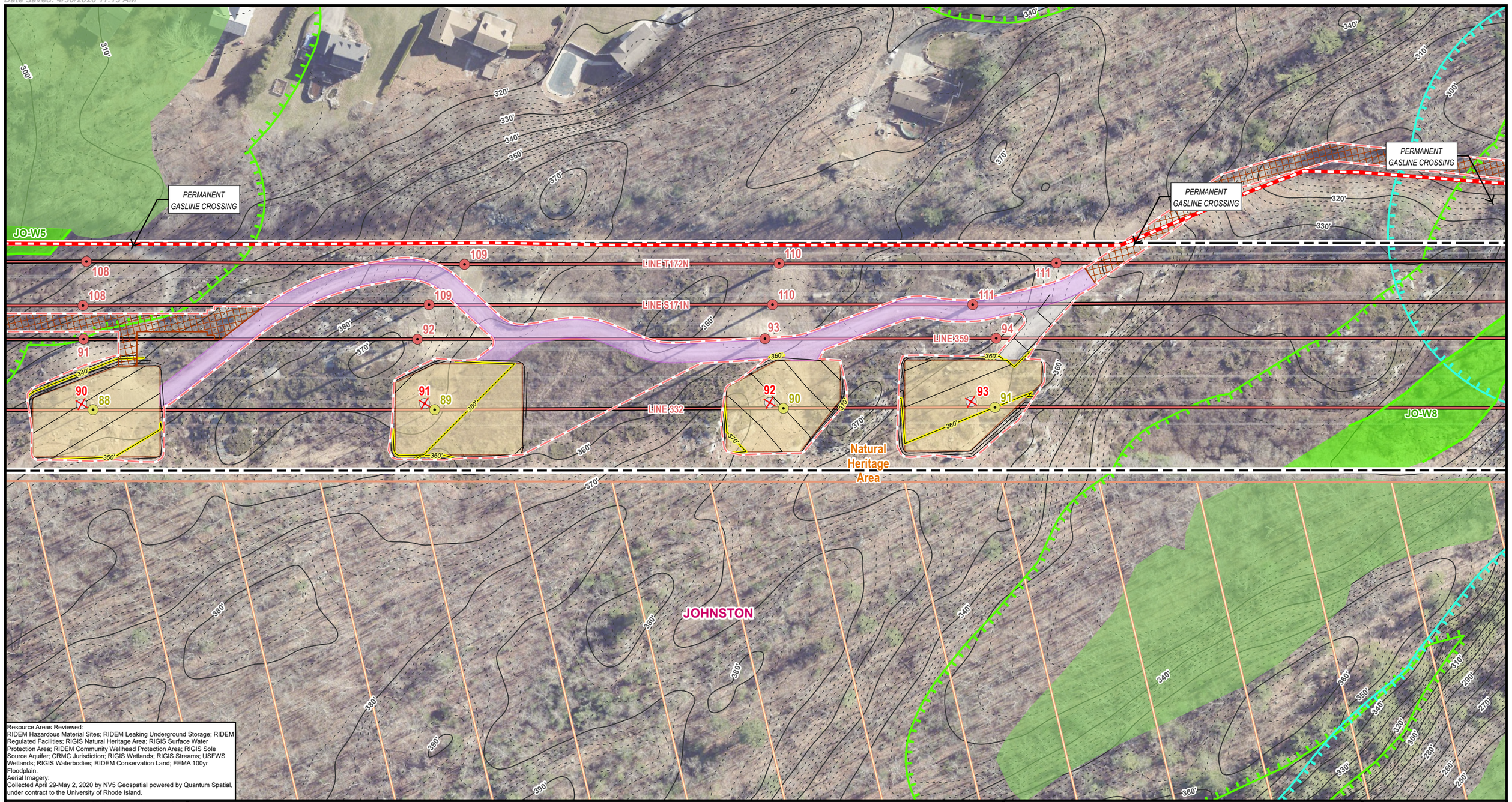

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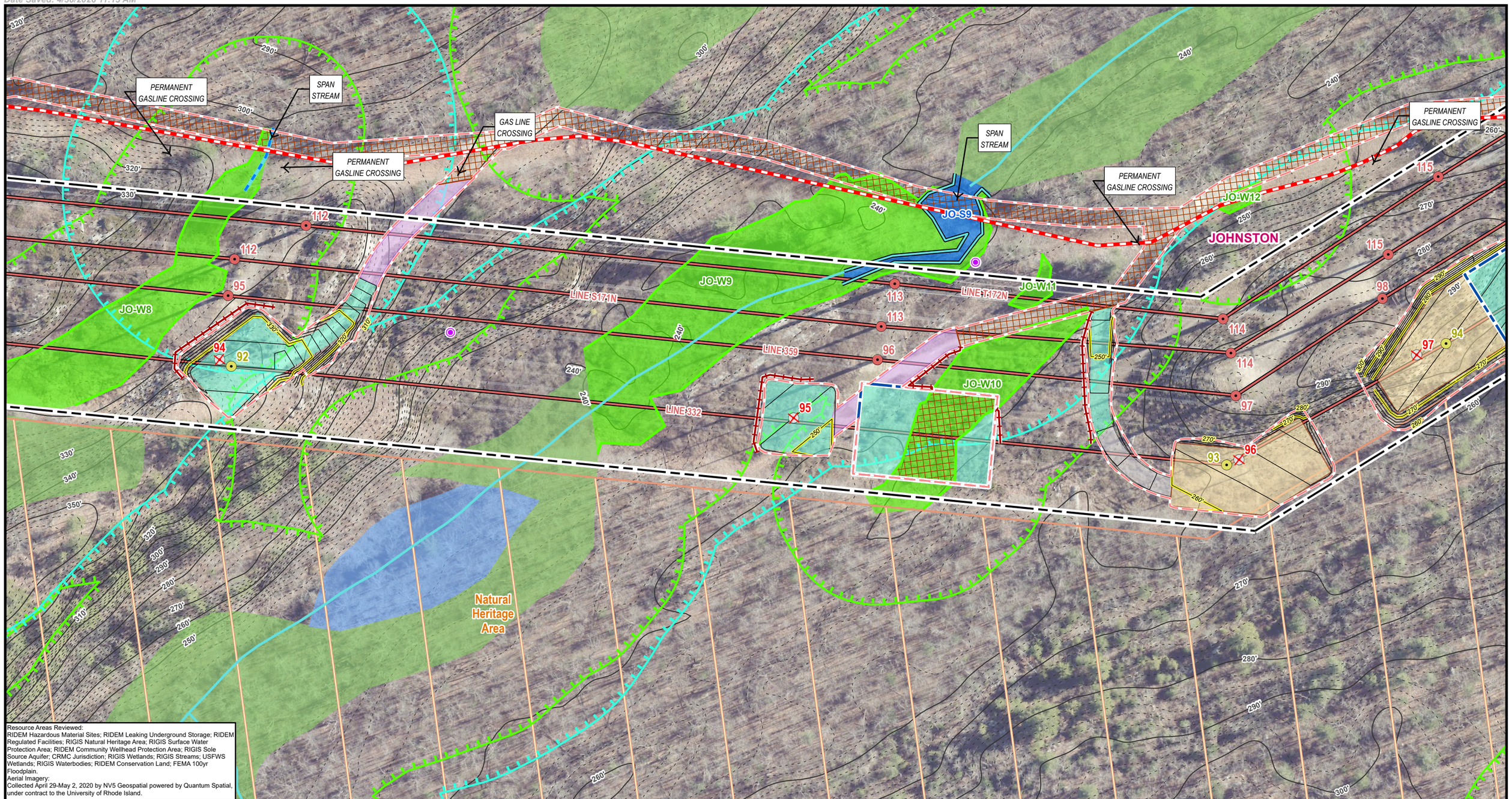

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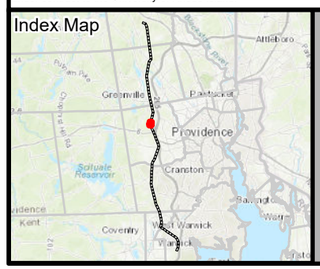

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Johnston, RI

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Created by: BSC GROUP

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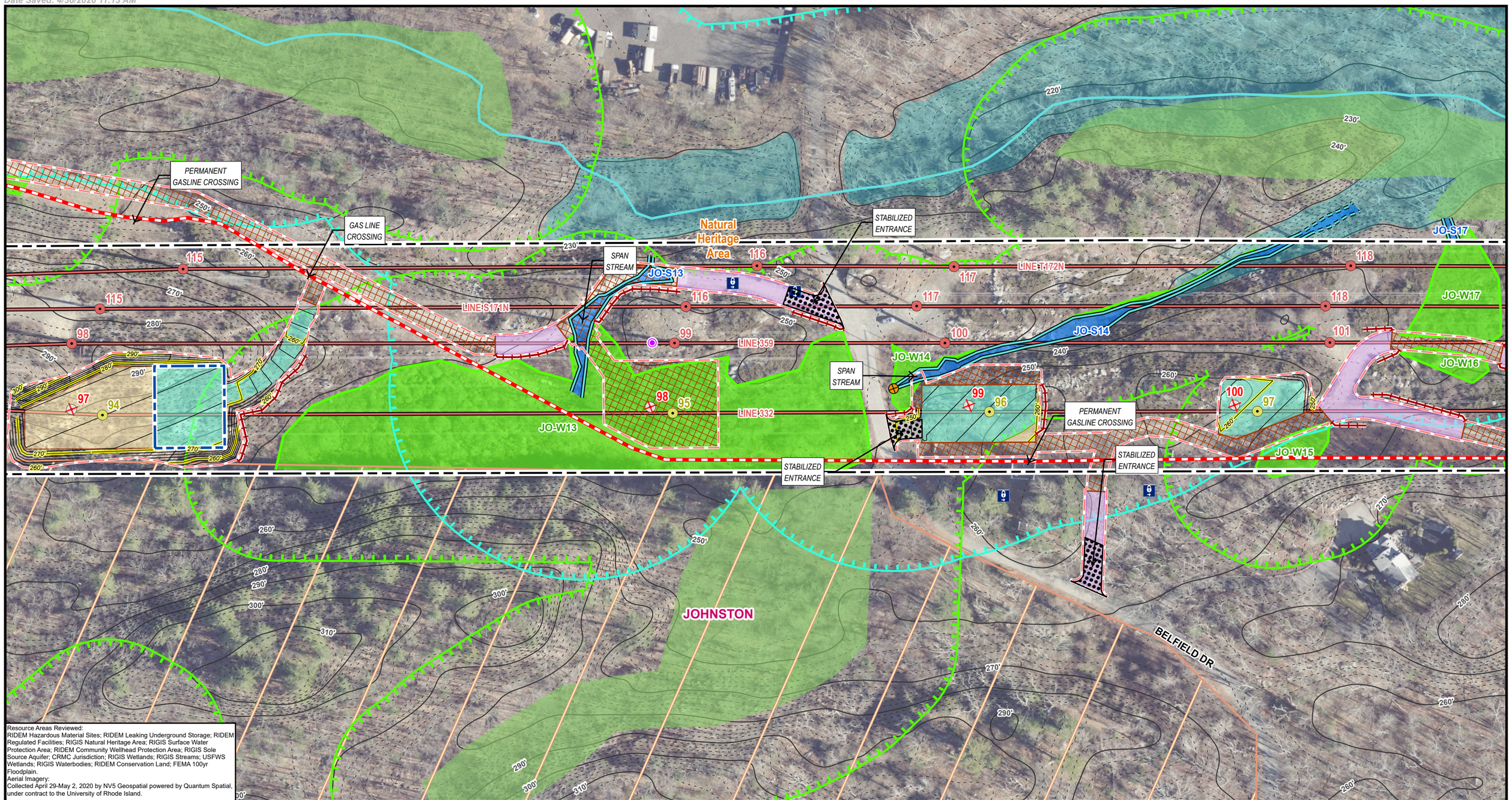

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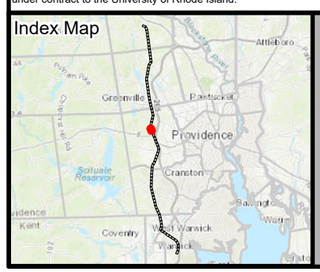

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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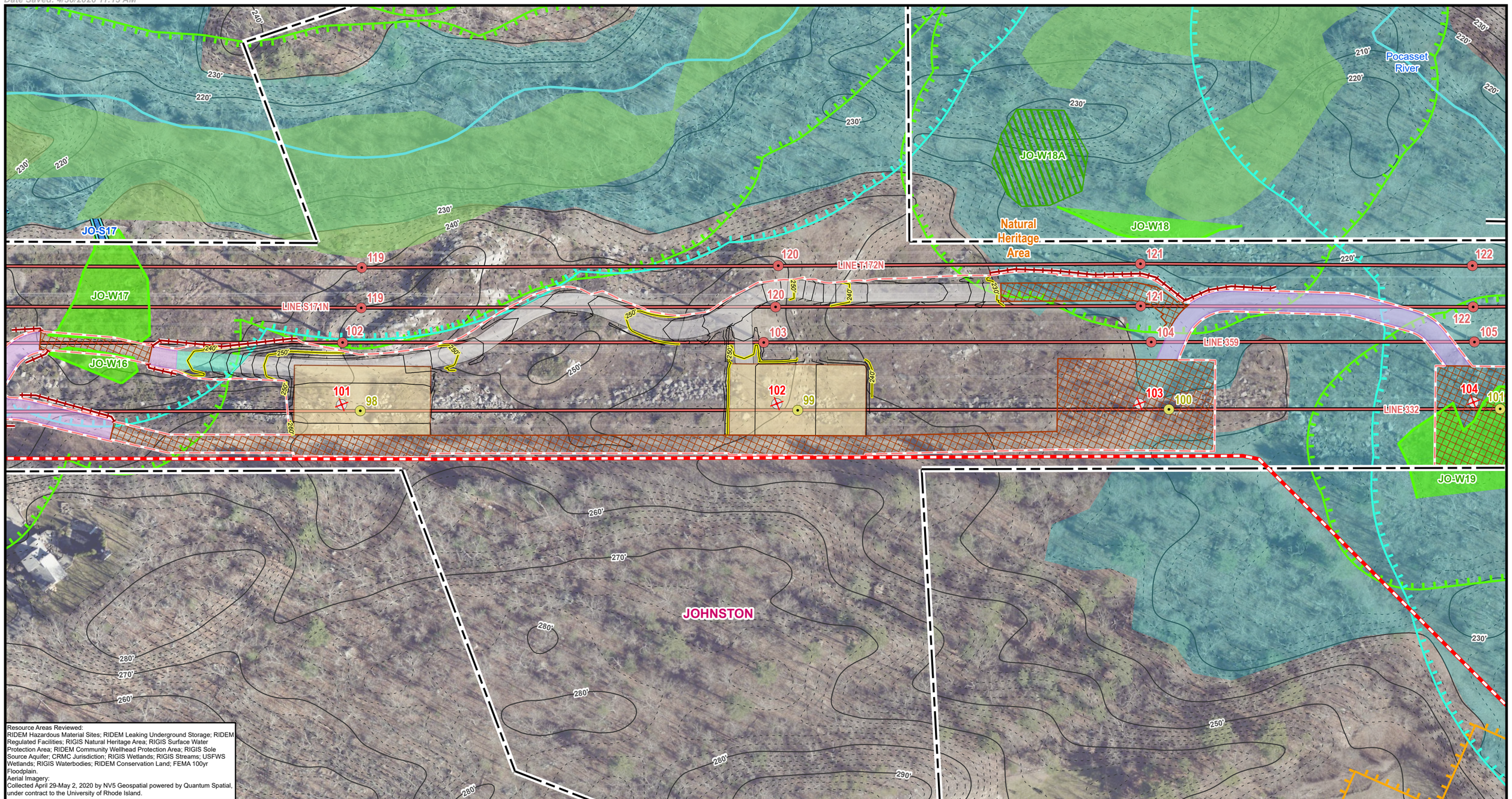

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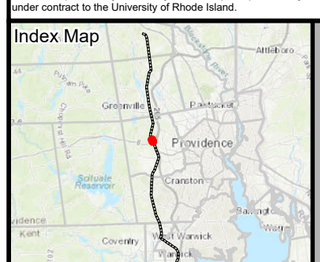

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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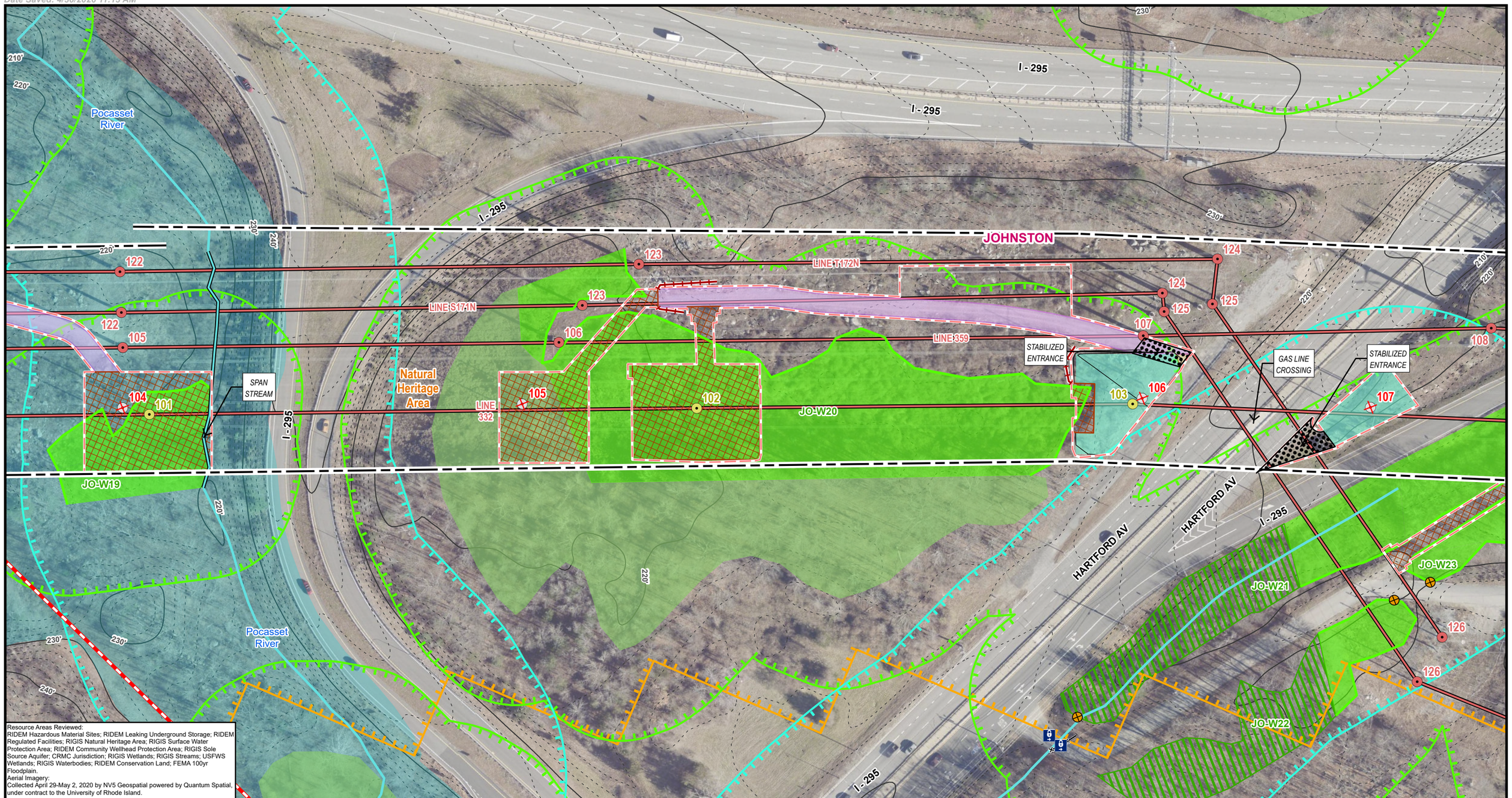

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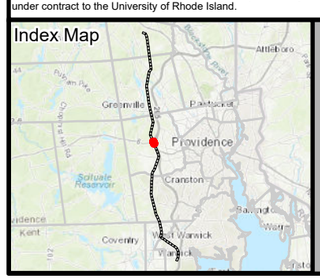

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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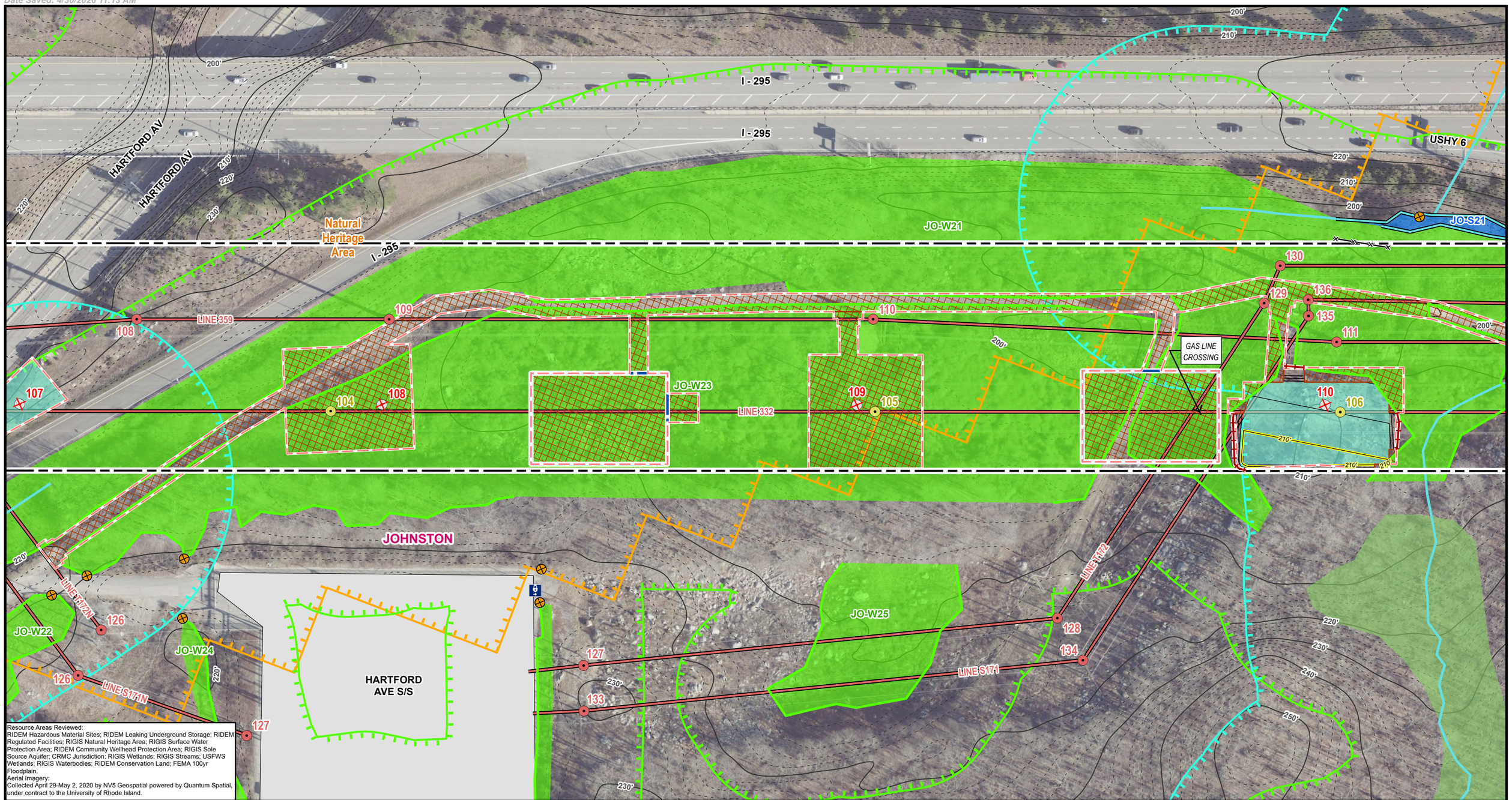

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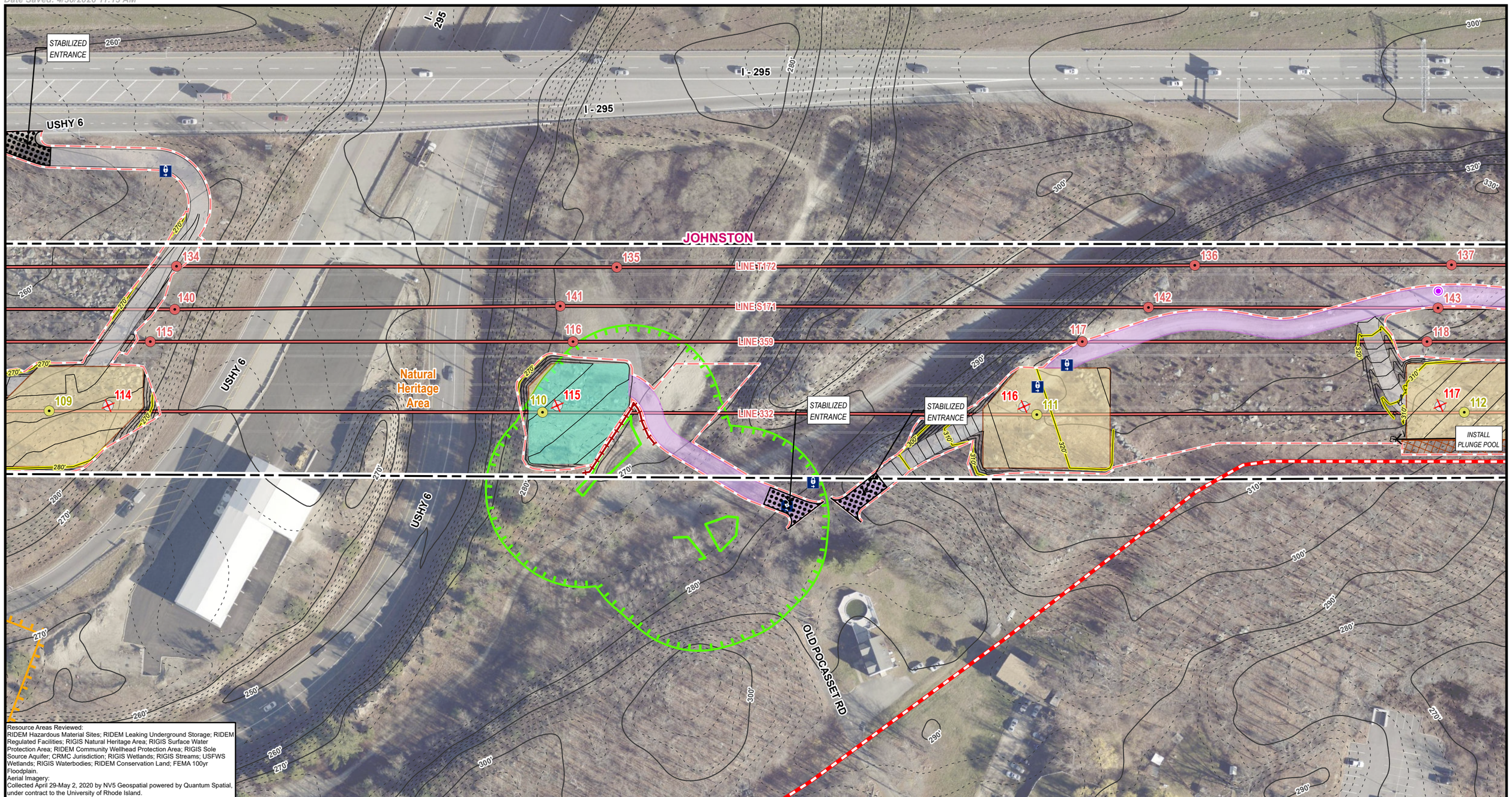

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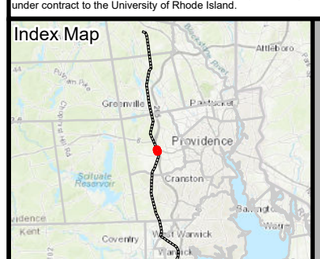

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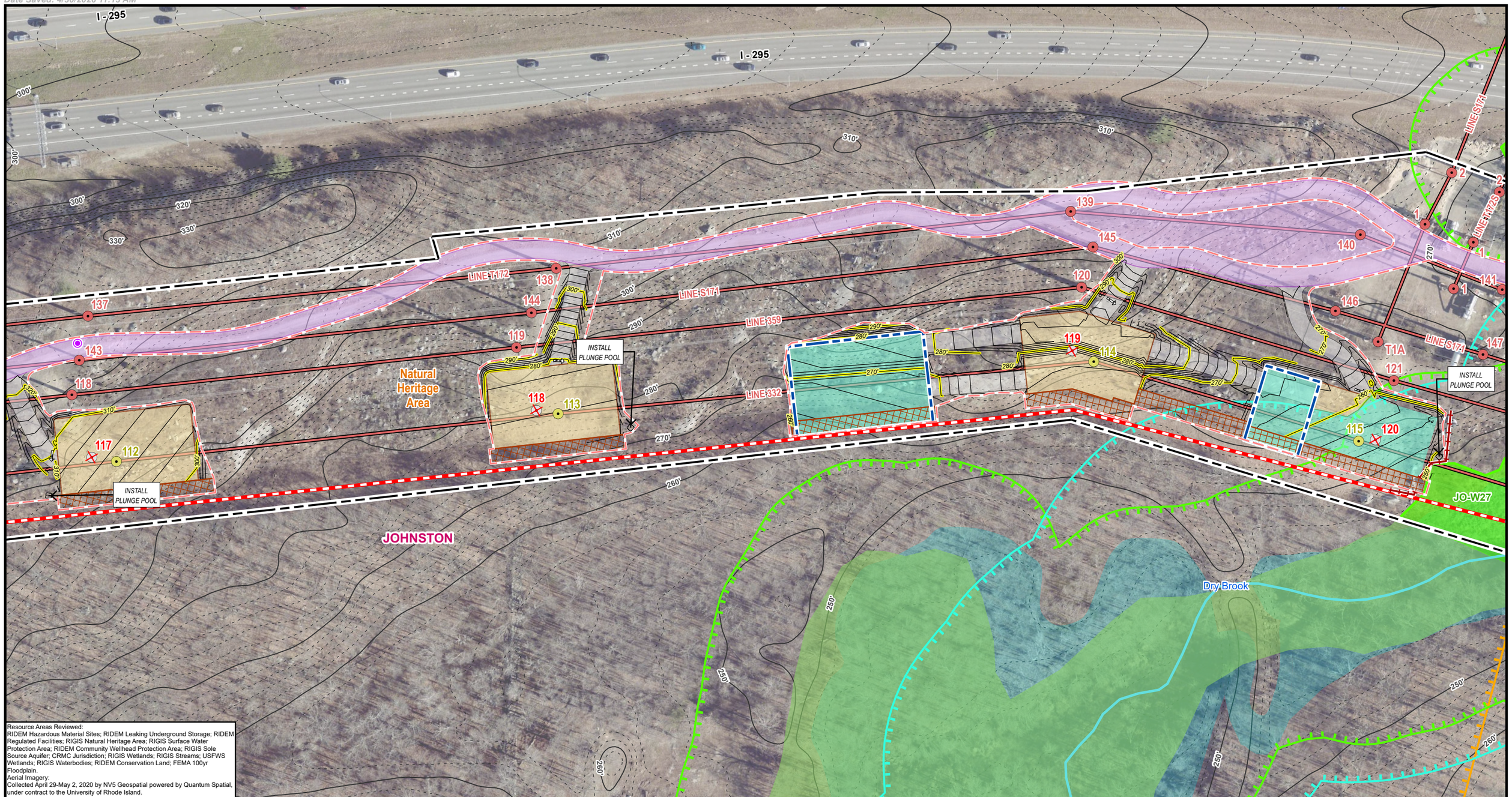

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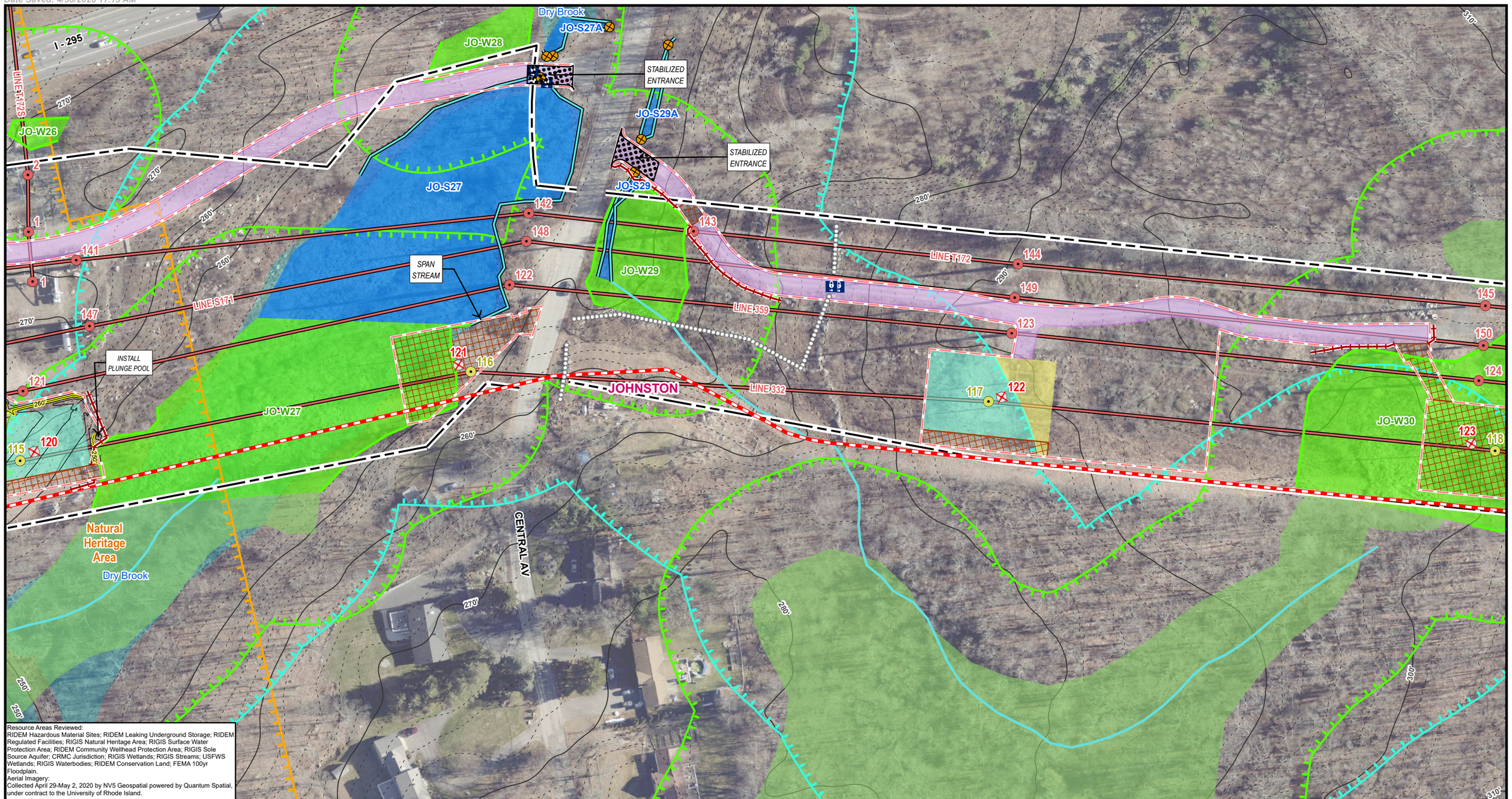

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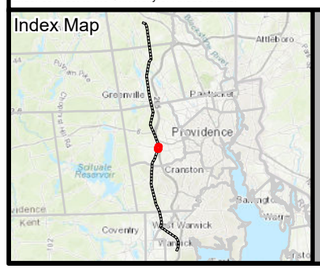

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**Indicates Layers Set to Transparency*

332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Johnston, RI

Created for: Rhode Island Energy™ a PPL company

Created by: BSC GROUP

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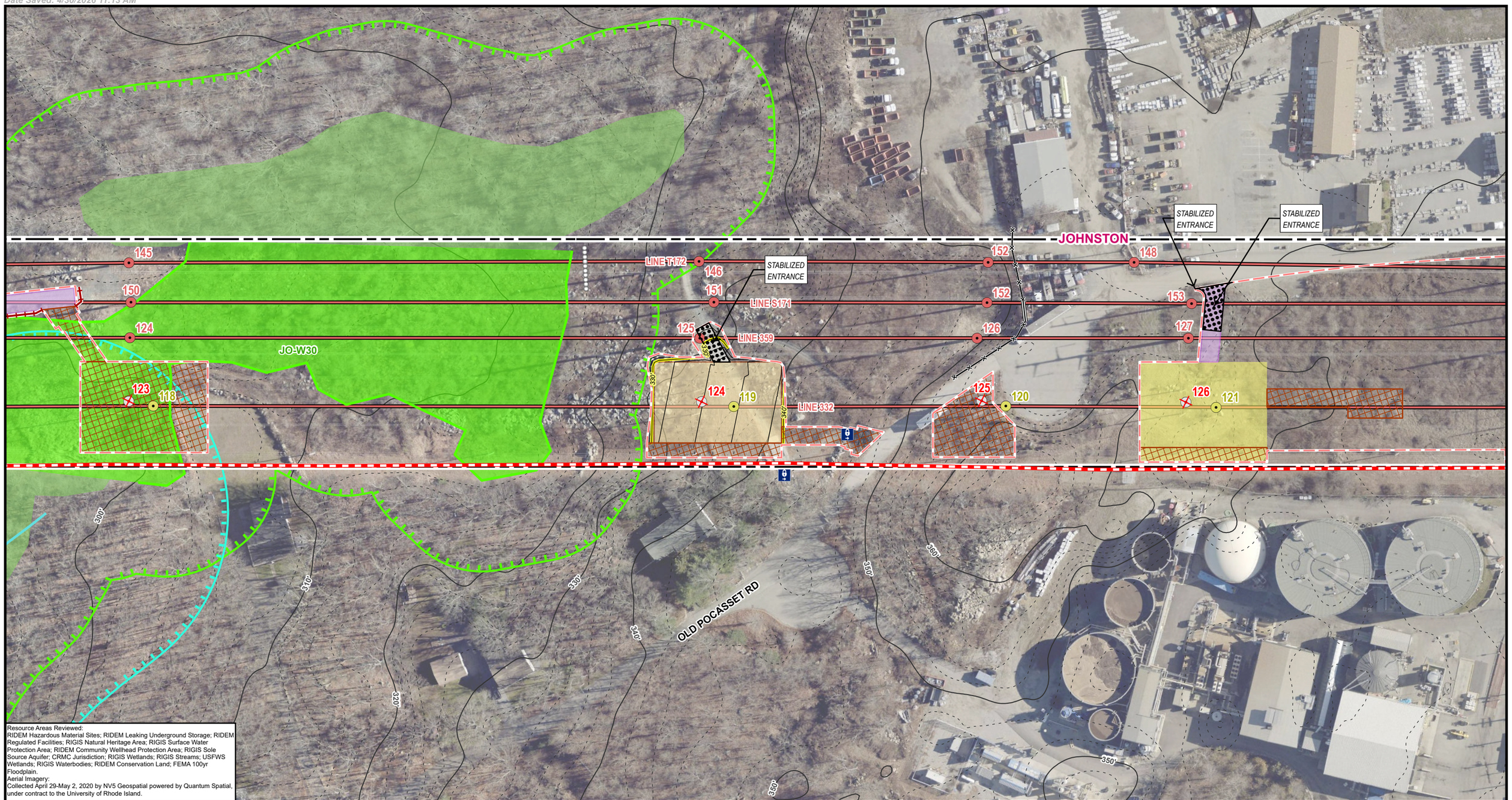

Resource Areas Reviewed:
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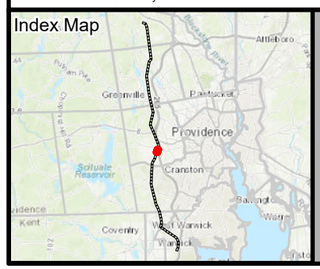

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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Project Alignment Drawings

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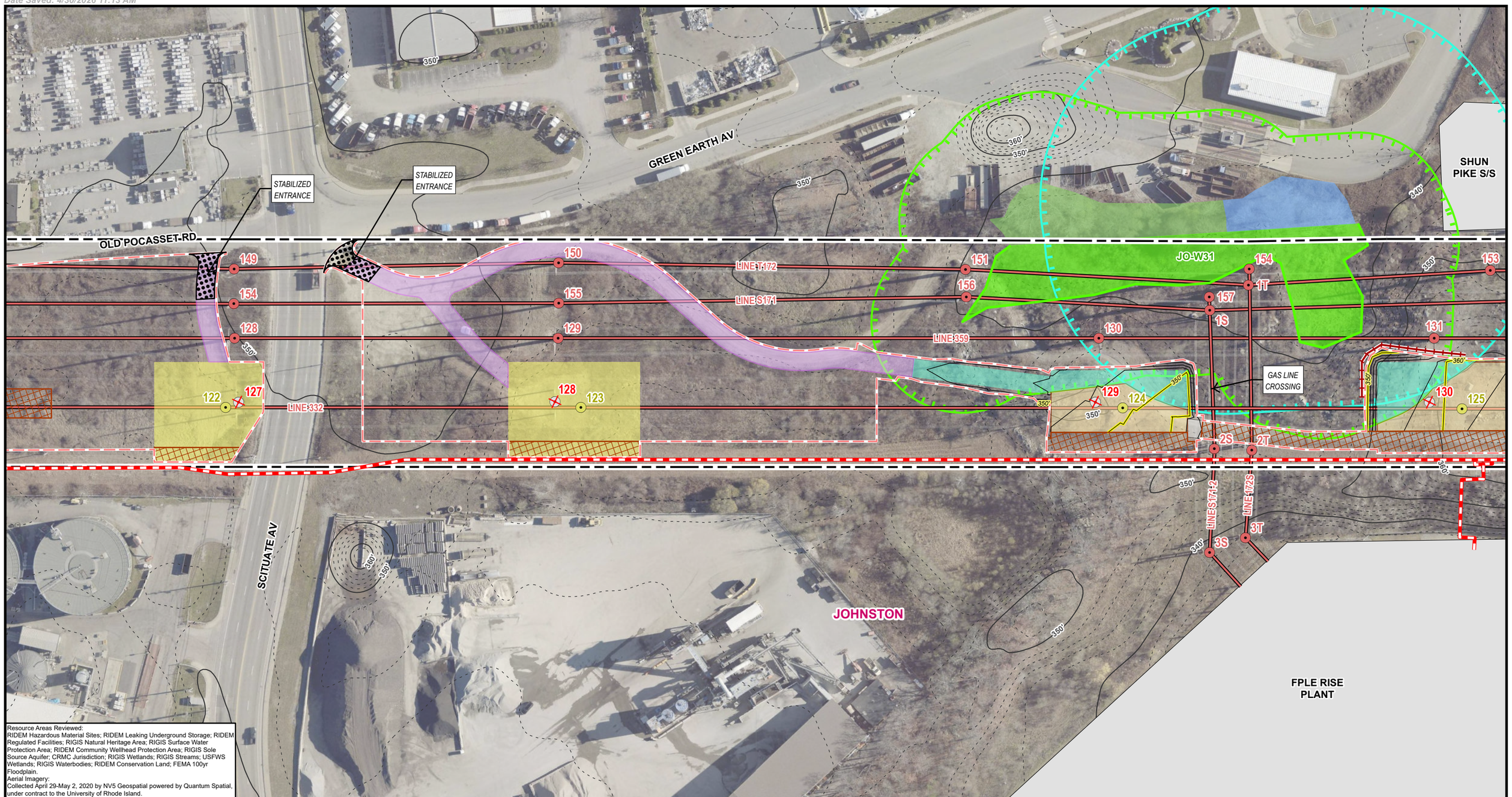

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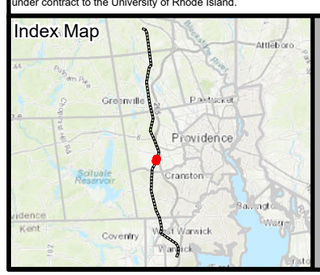

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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Johnston, RI

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Created by: BSC GROUP

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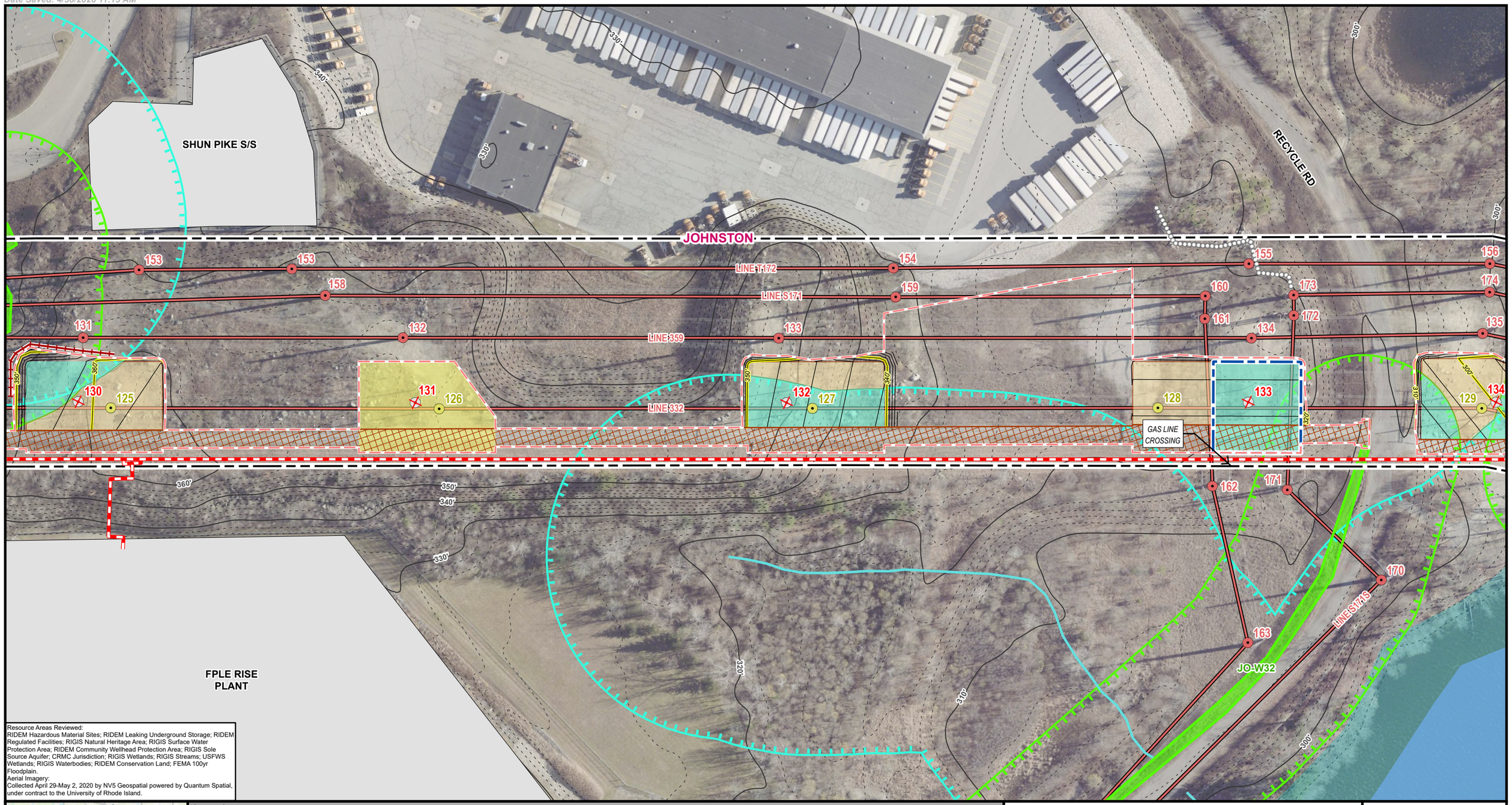

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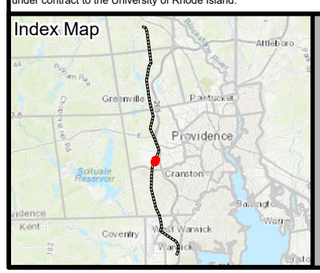

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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Project Alignment Drawings

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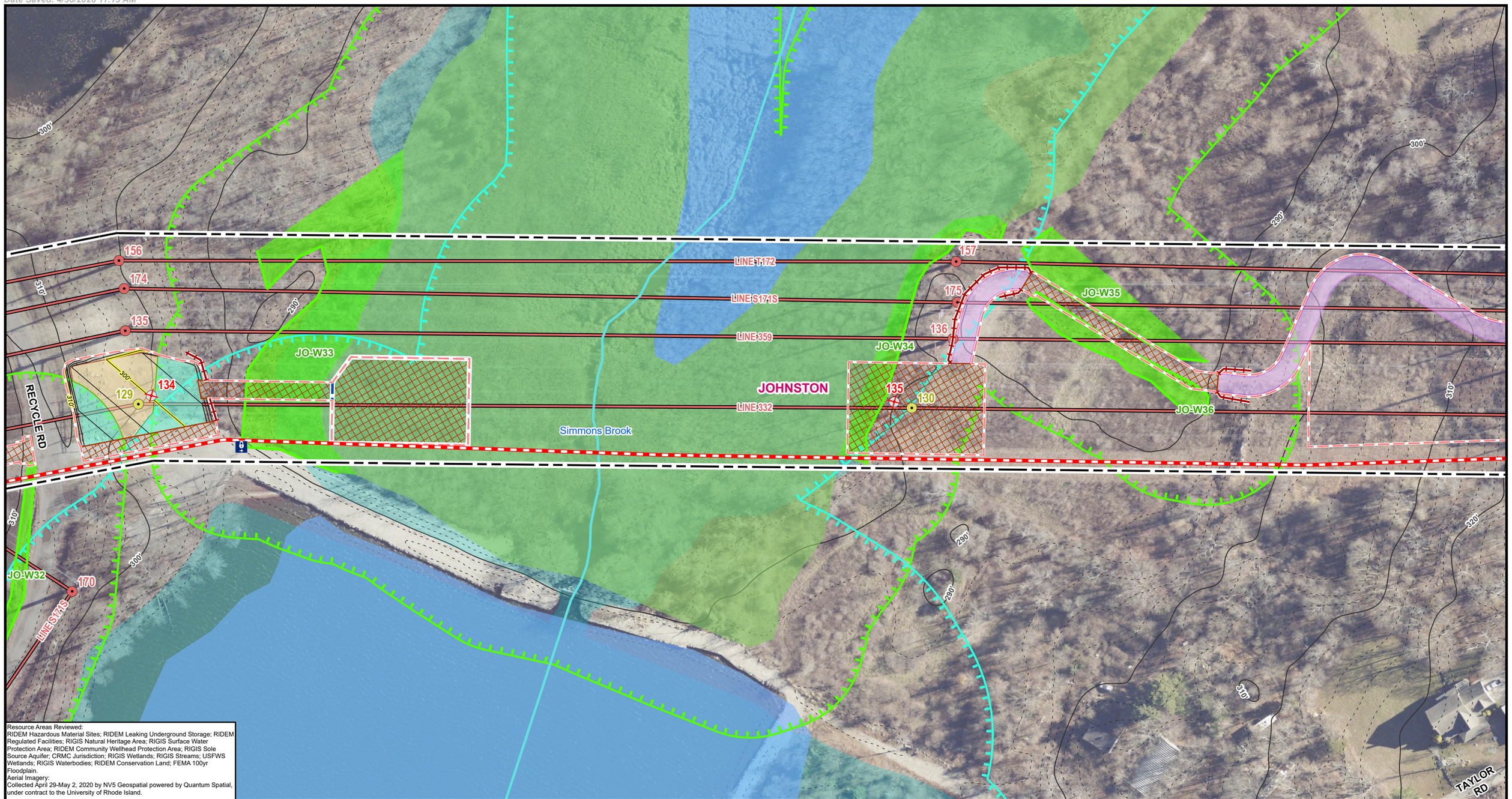

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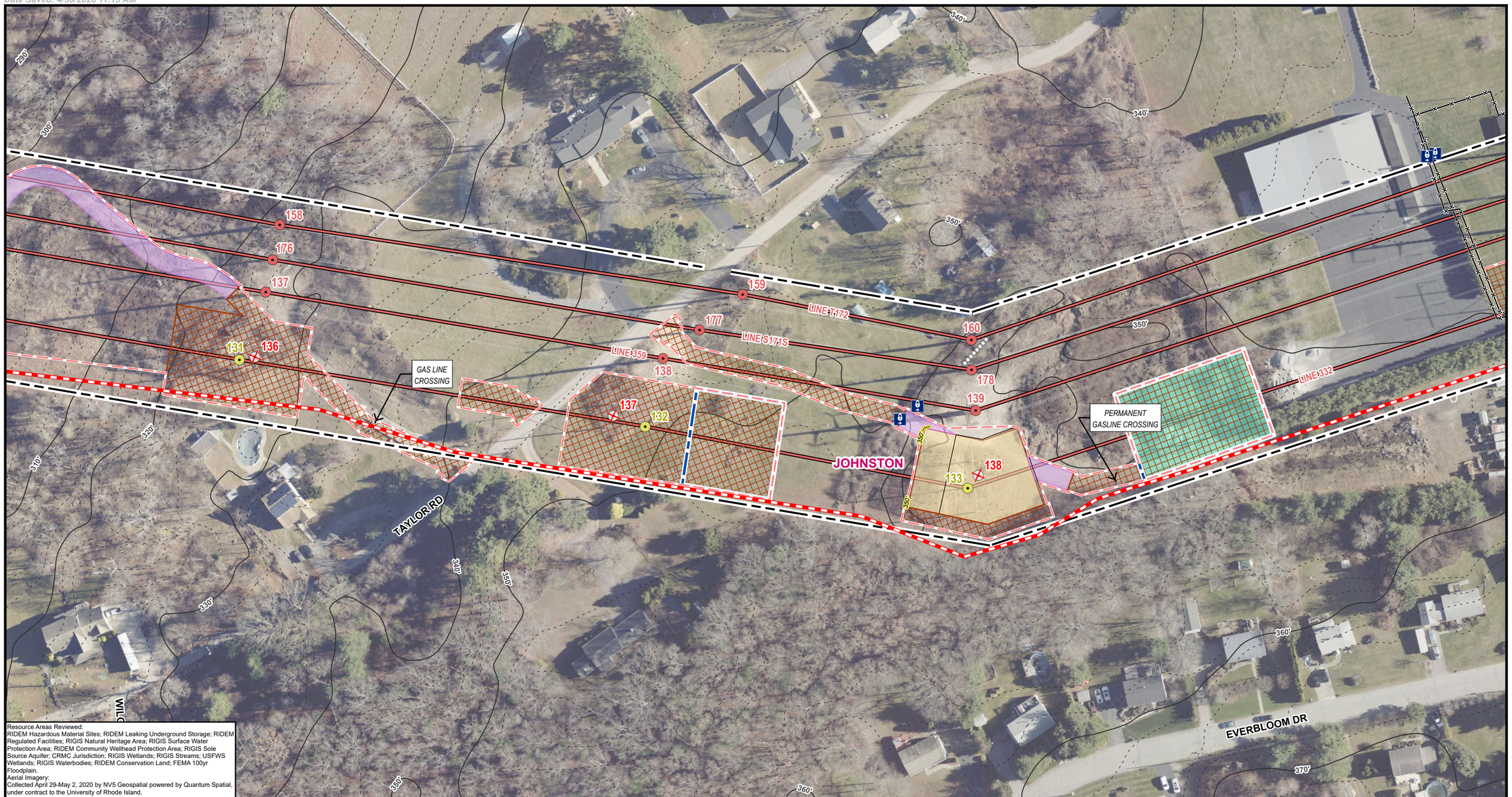

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Figure 3-1
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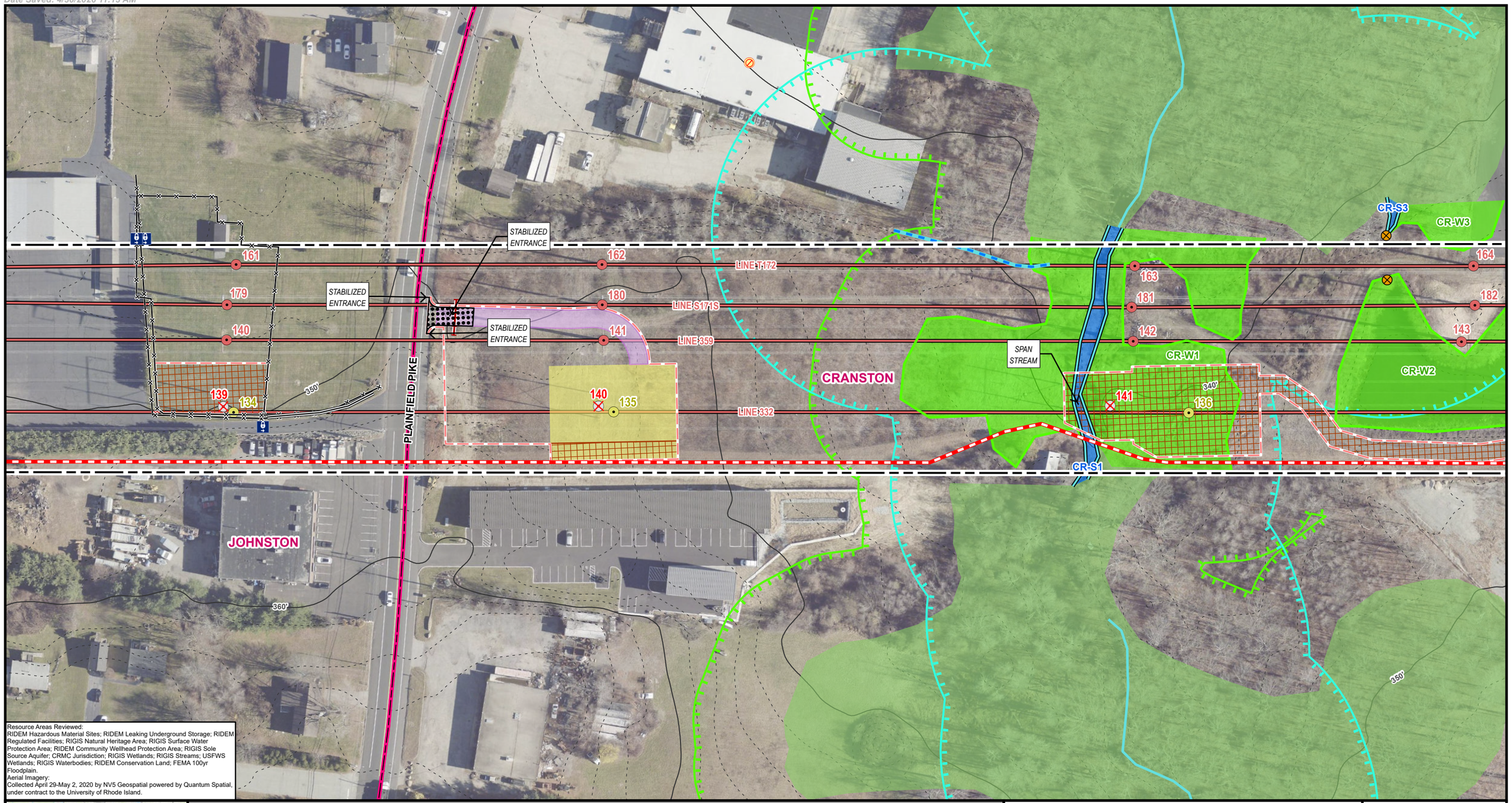

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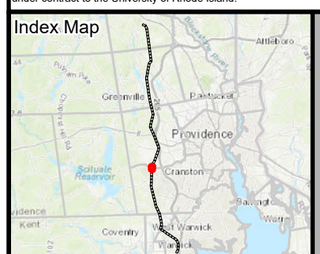

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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Johnston & Cranston, RI

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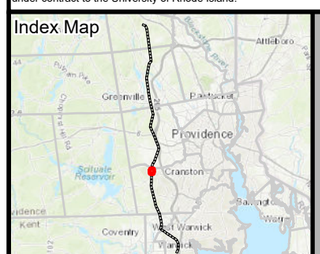

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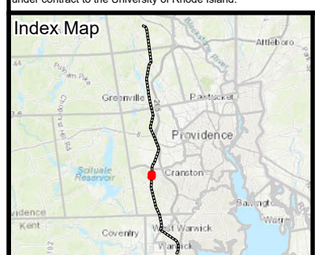

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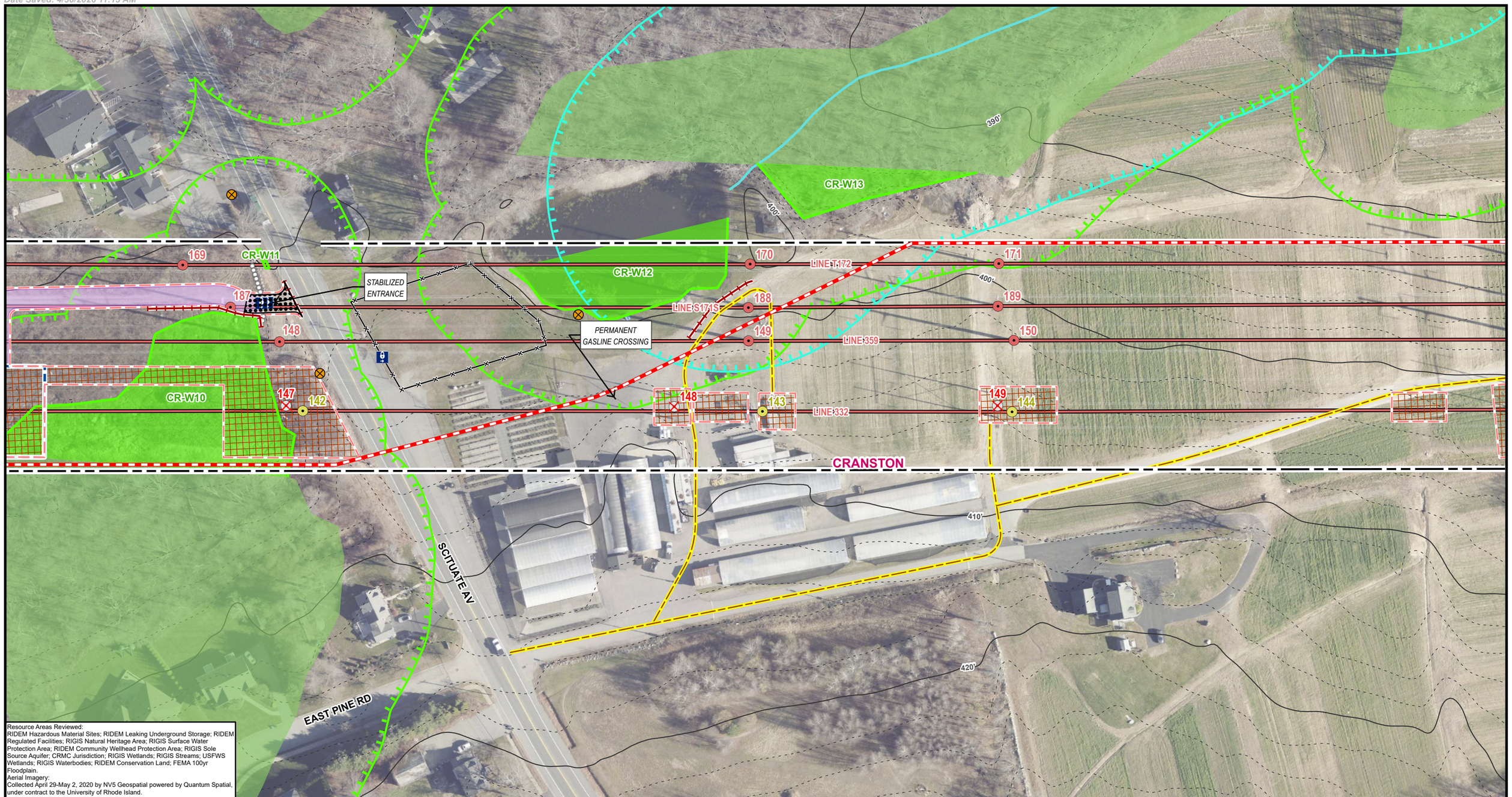

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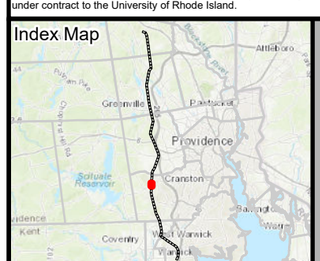

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**Indicates Layers Set to Transparency*

332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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Cranston, RI

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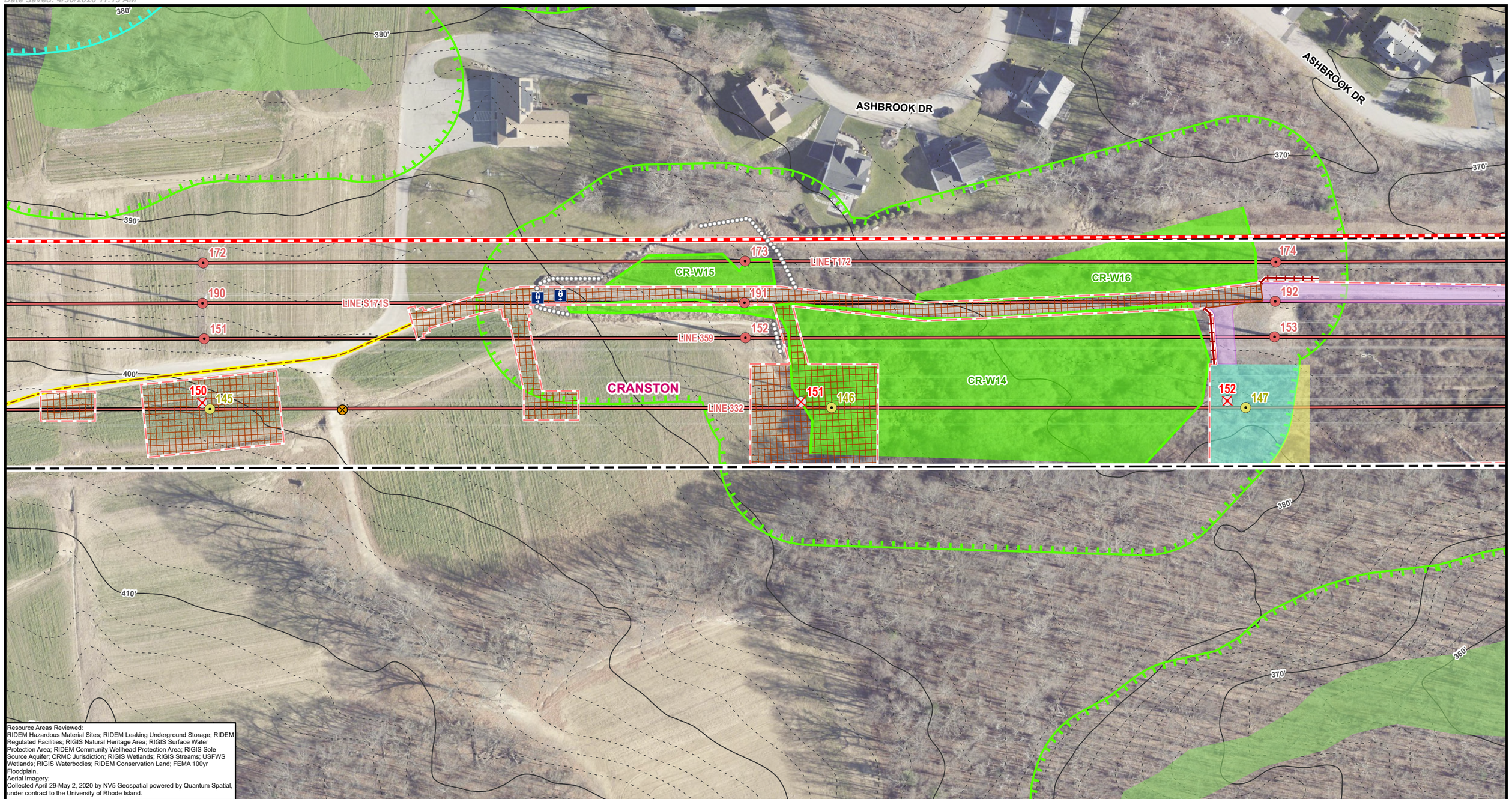

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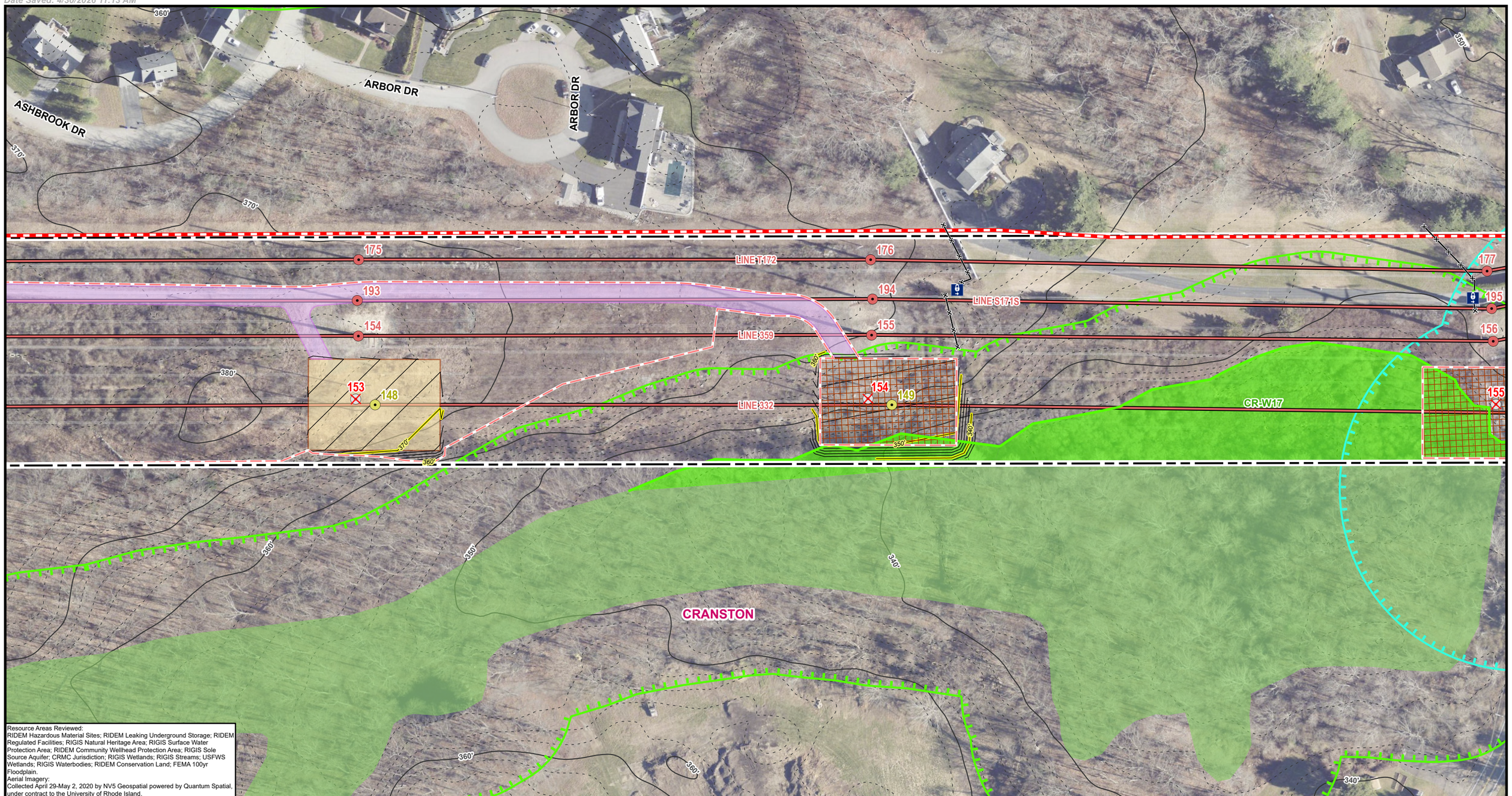

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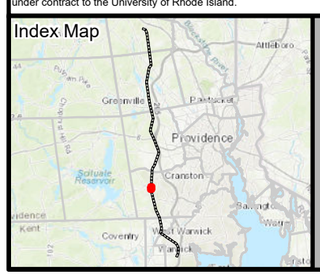

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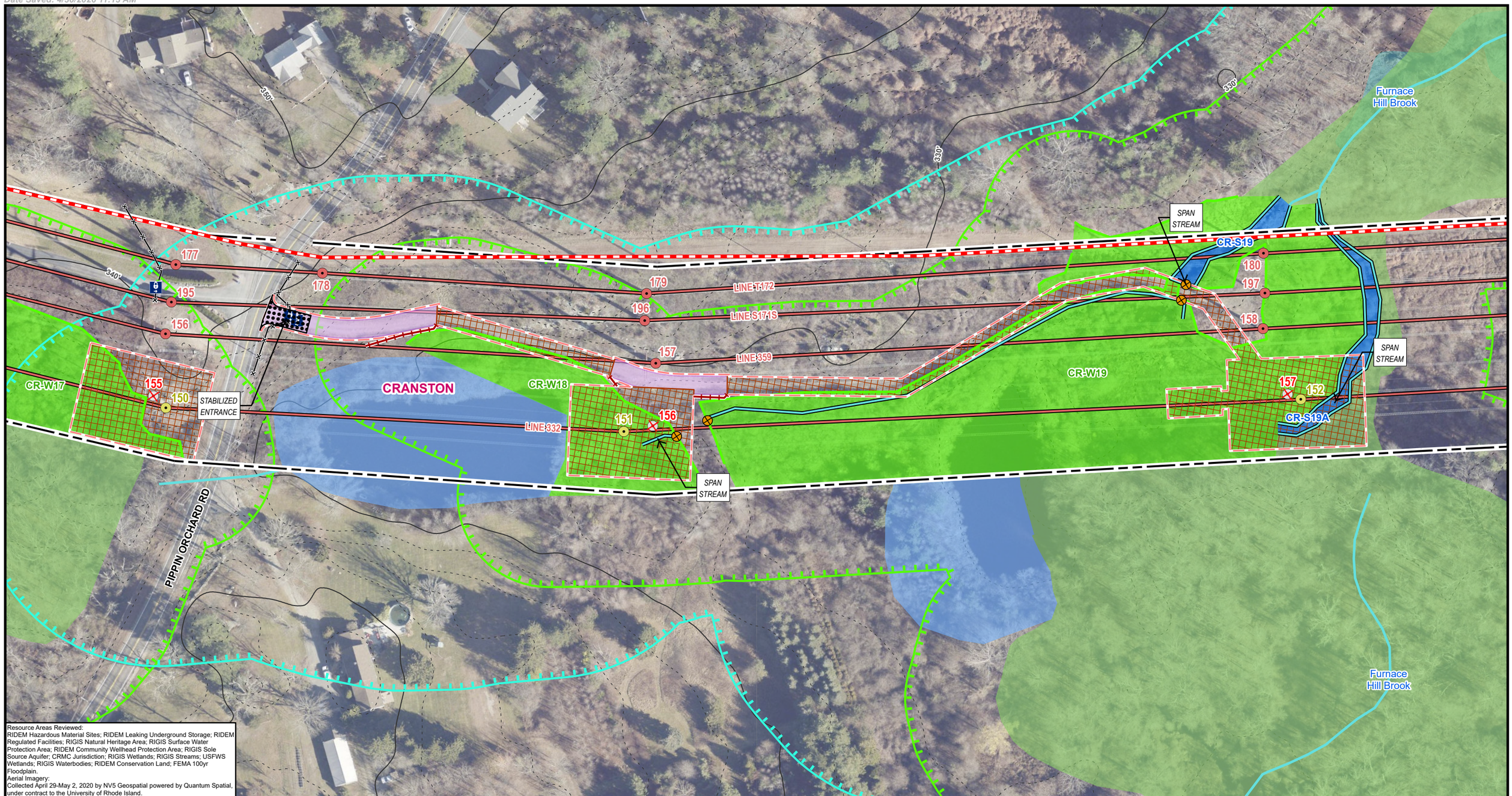

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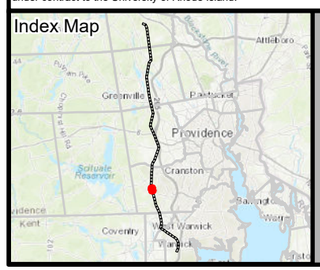

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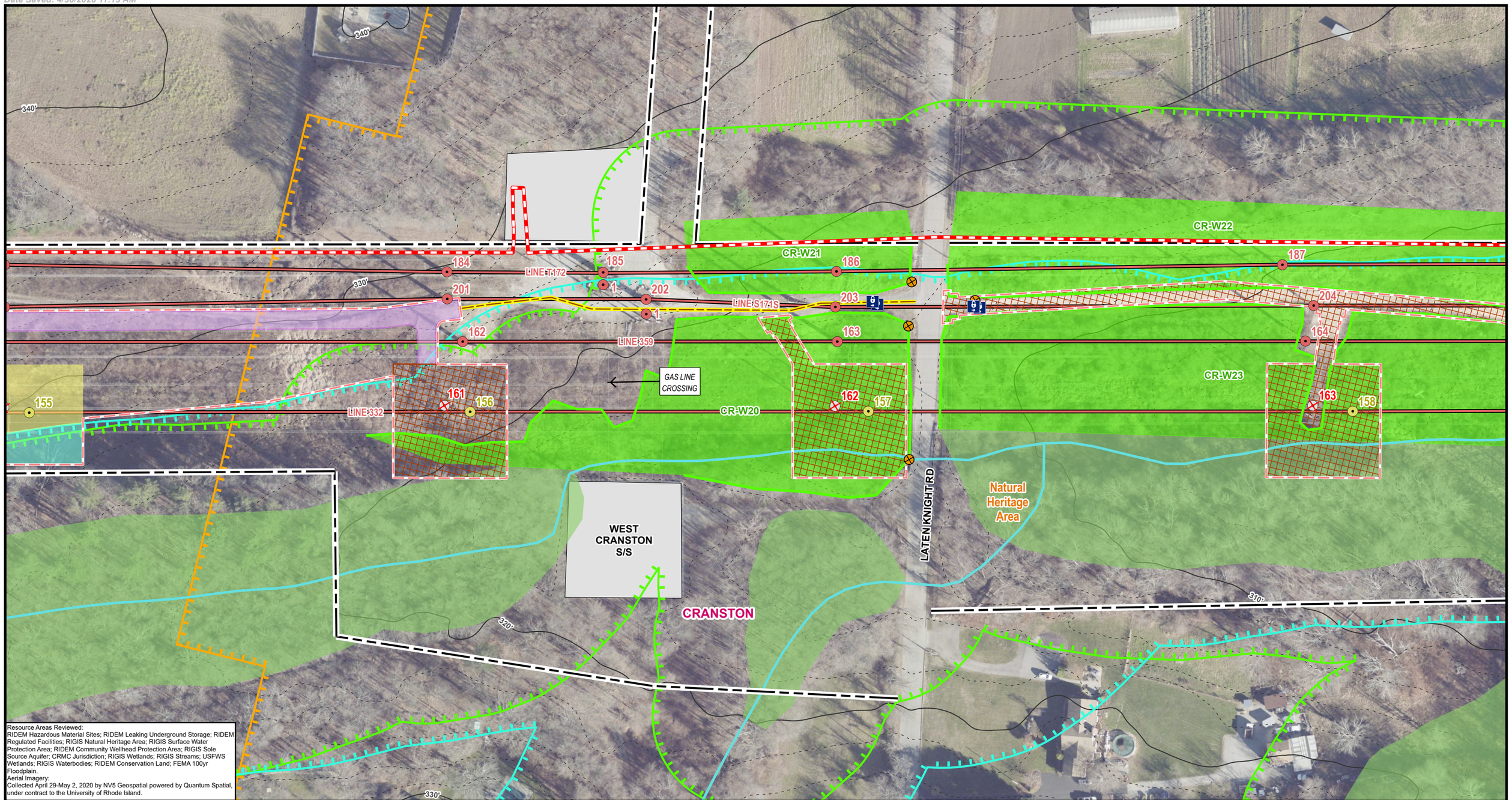

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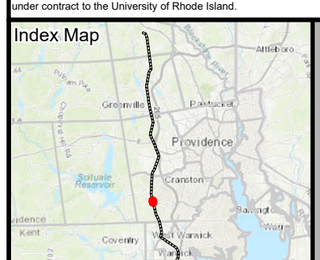

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
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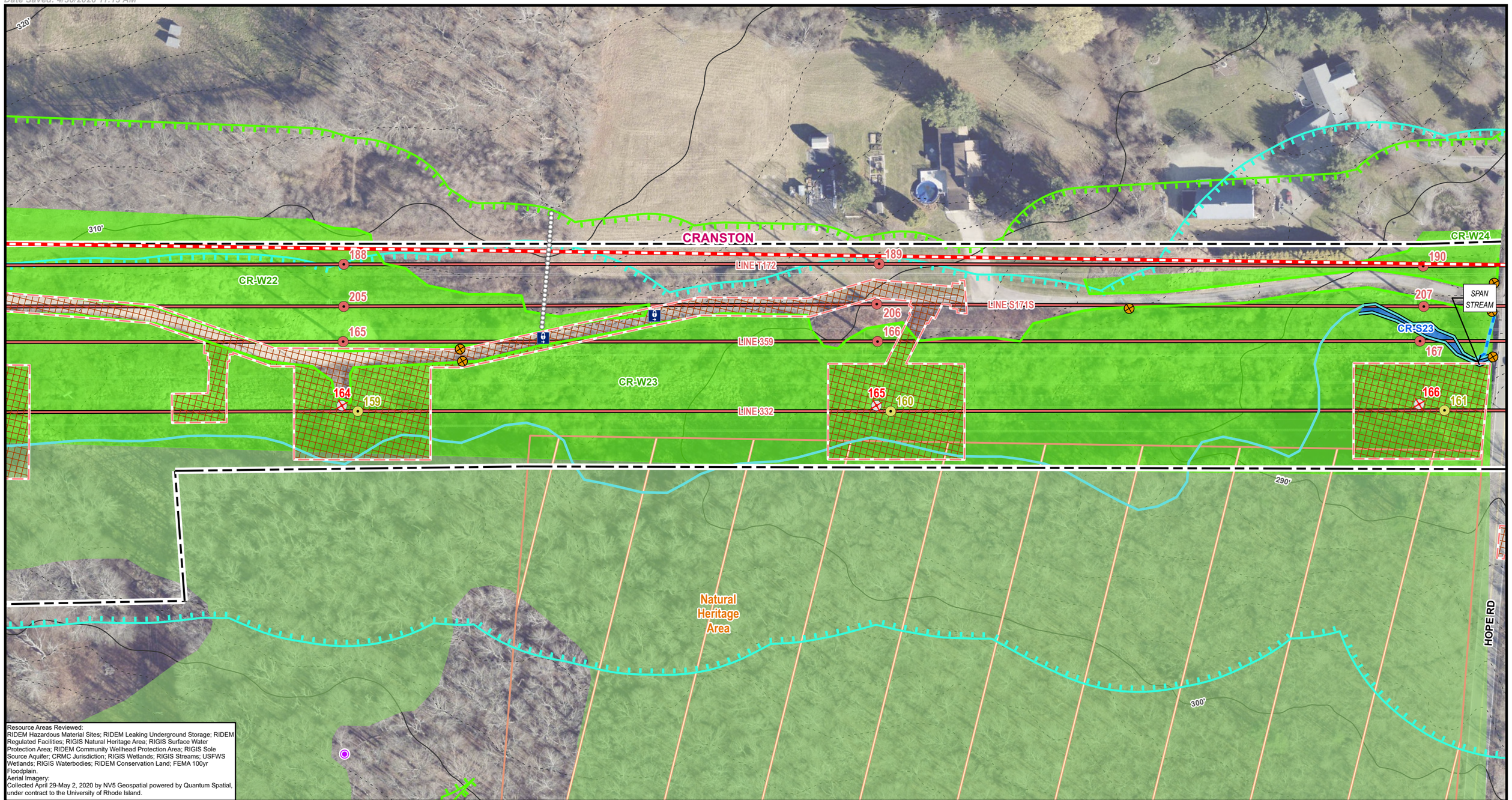

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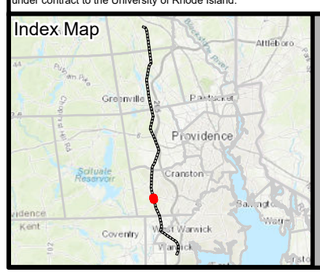

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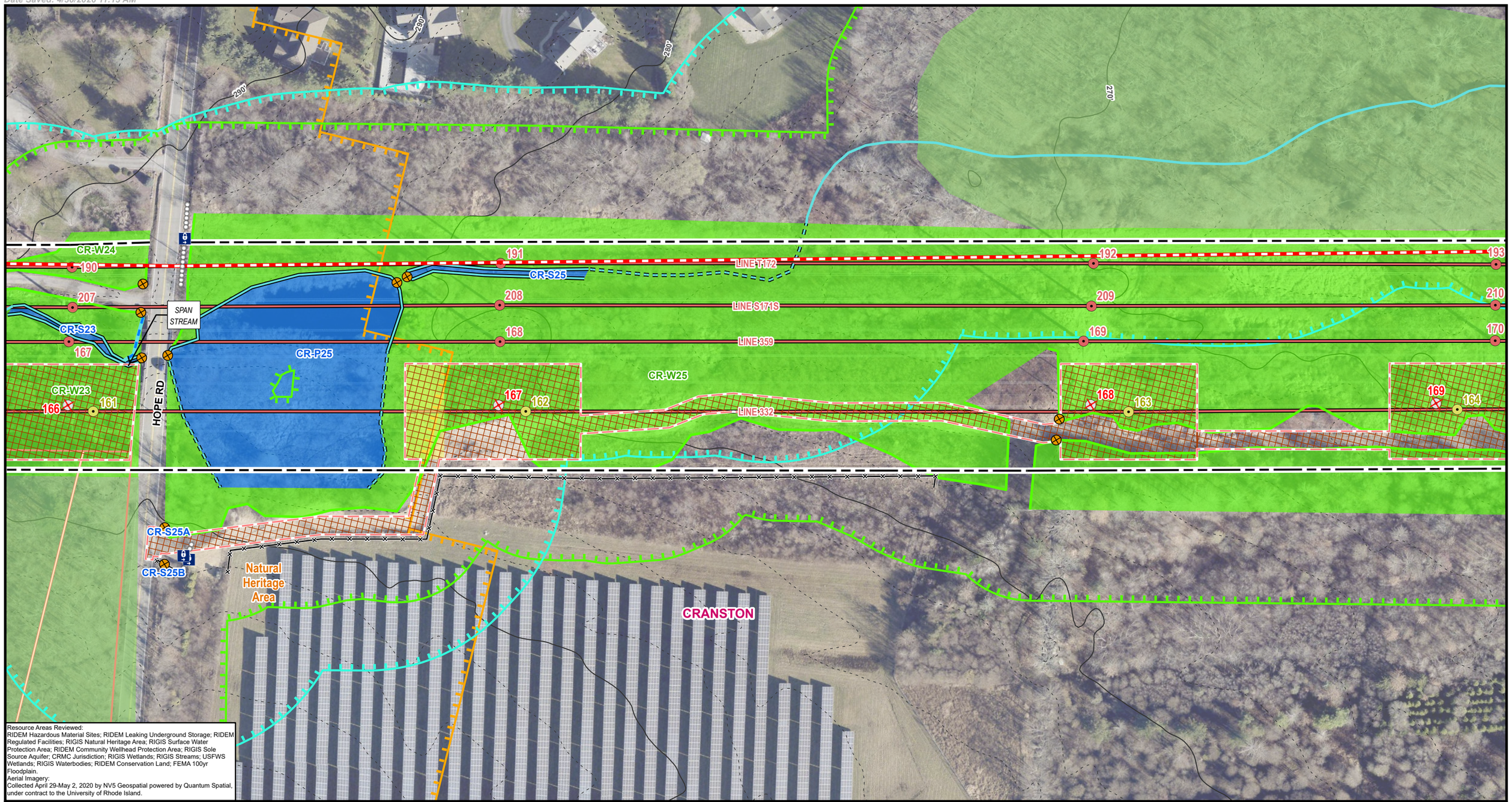

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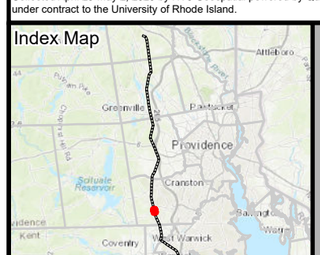

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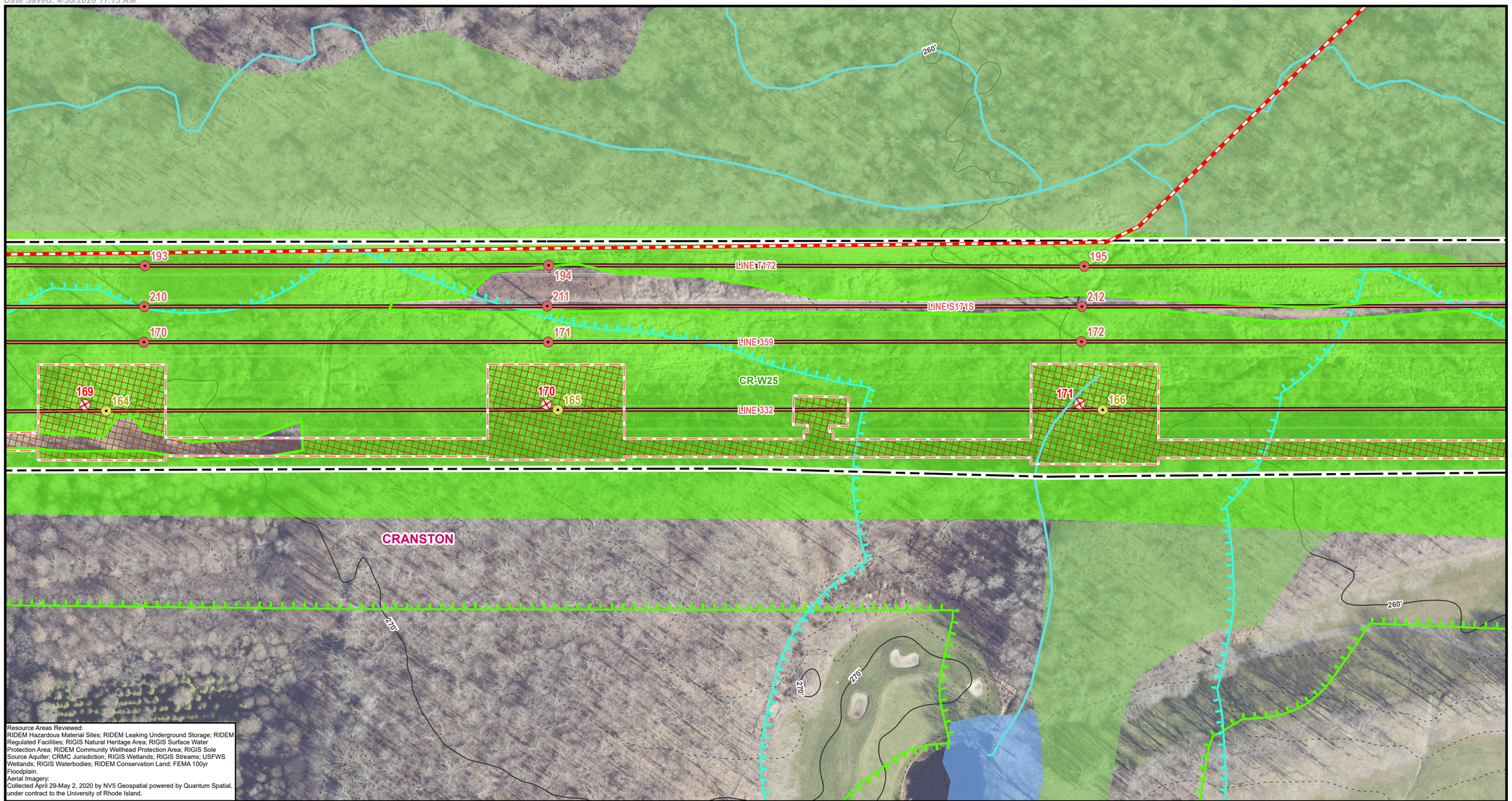

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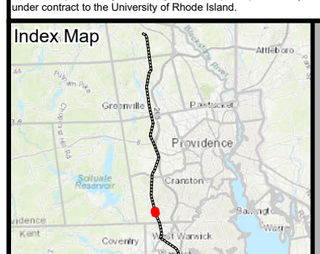

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This map set is entirely within DEM Wetland Jurisdiction & RI Wetland Reg. River Region 2
**Indicates Layers Set to Transparency*

332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Cranston, RI

Created for: Rhode Island Energy™ a PPL company

Created by: BSC GROUP

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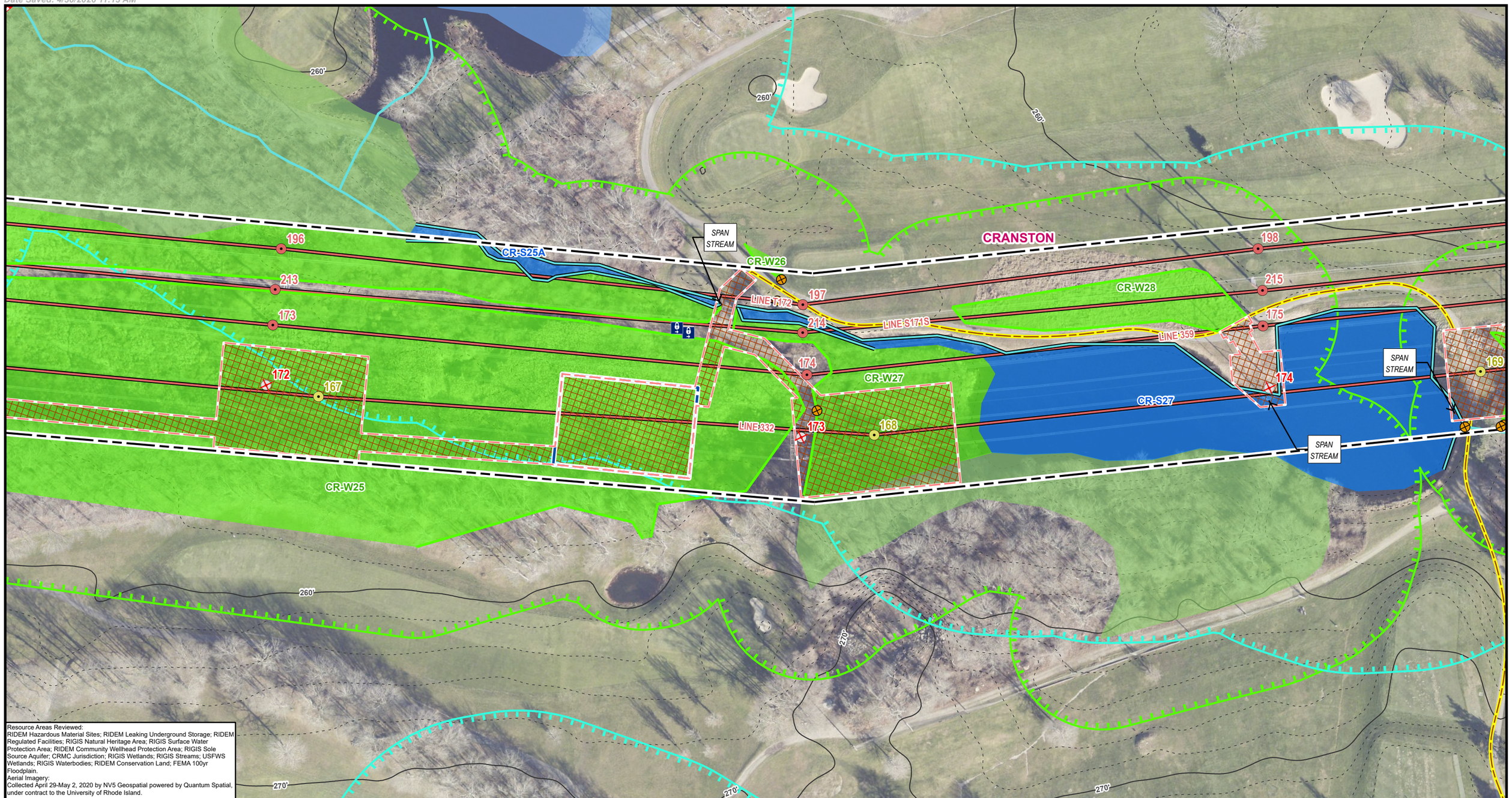

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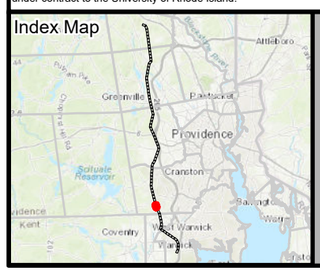

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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Cranston, RI

Created for: Rhode Island Energy™ a NYSE company

Created by: BSC GROUP

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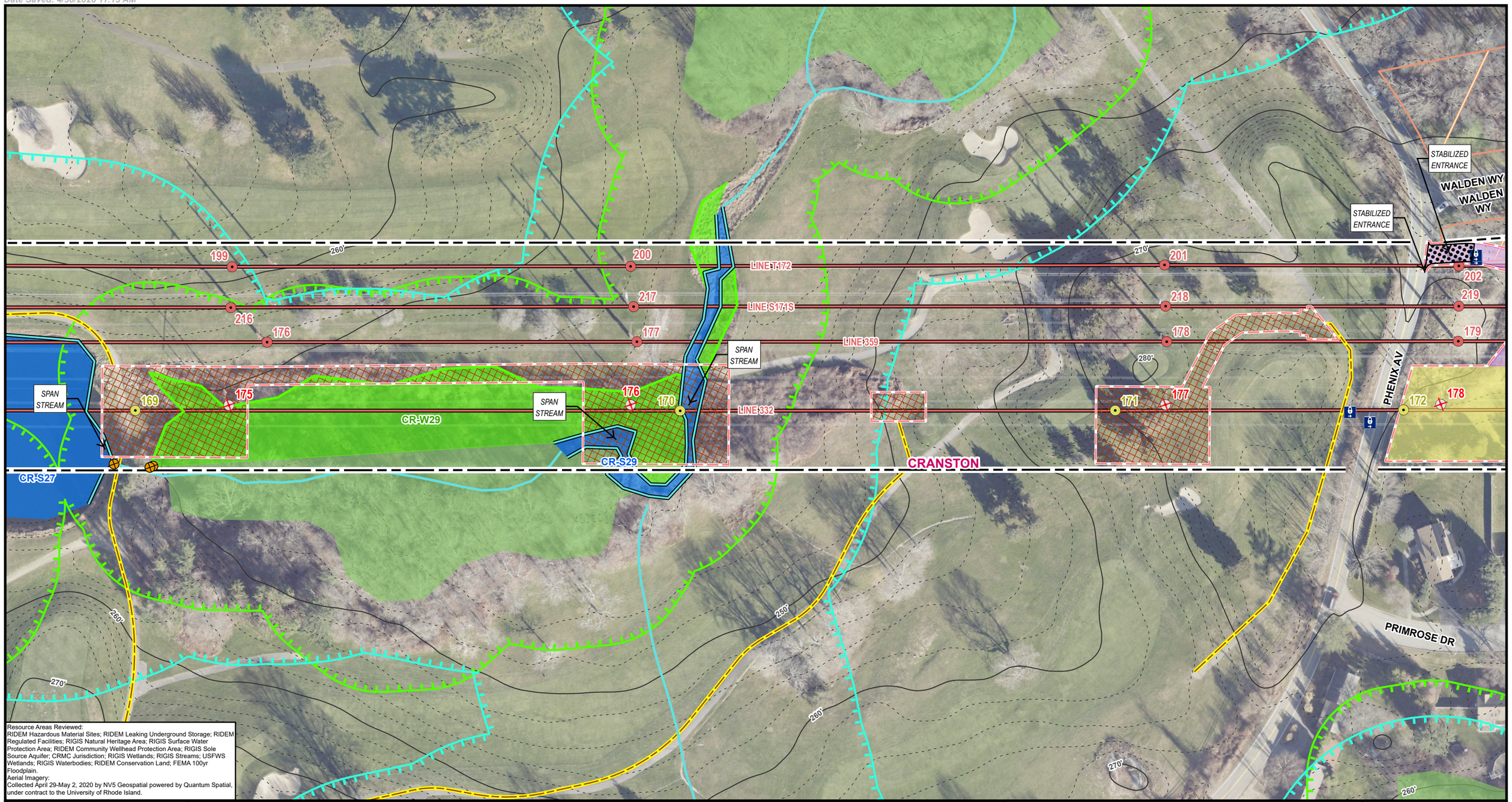

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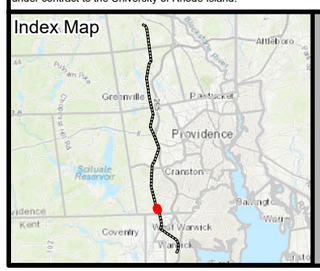

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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Cranston, RI

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Created by: BSC GROUP

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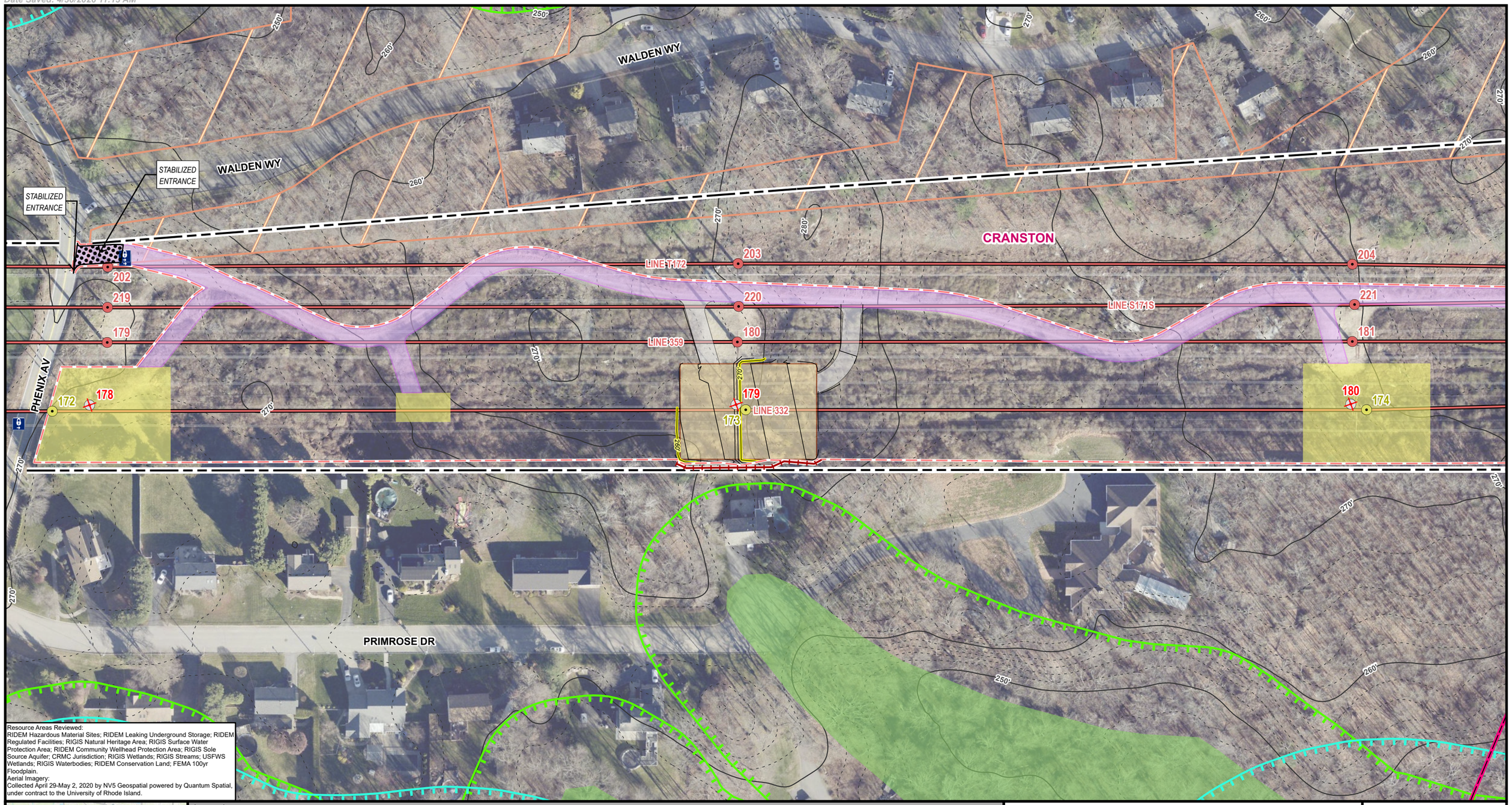

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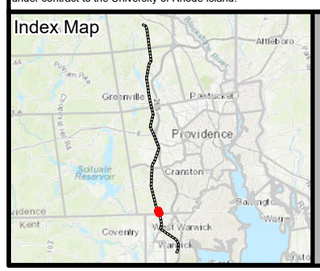

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Cranston, RI

Created by: BSC GROUP

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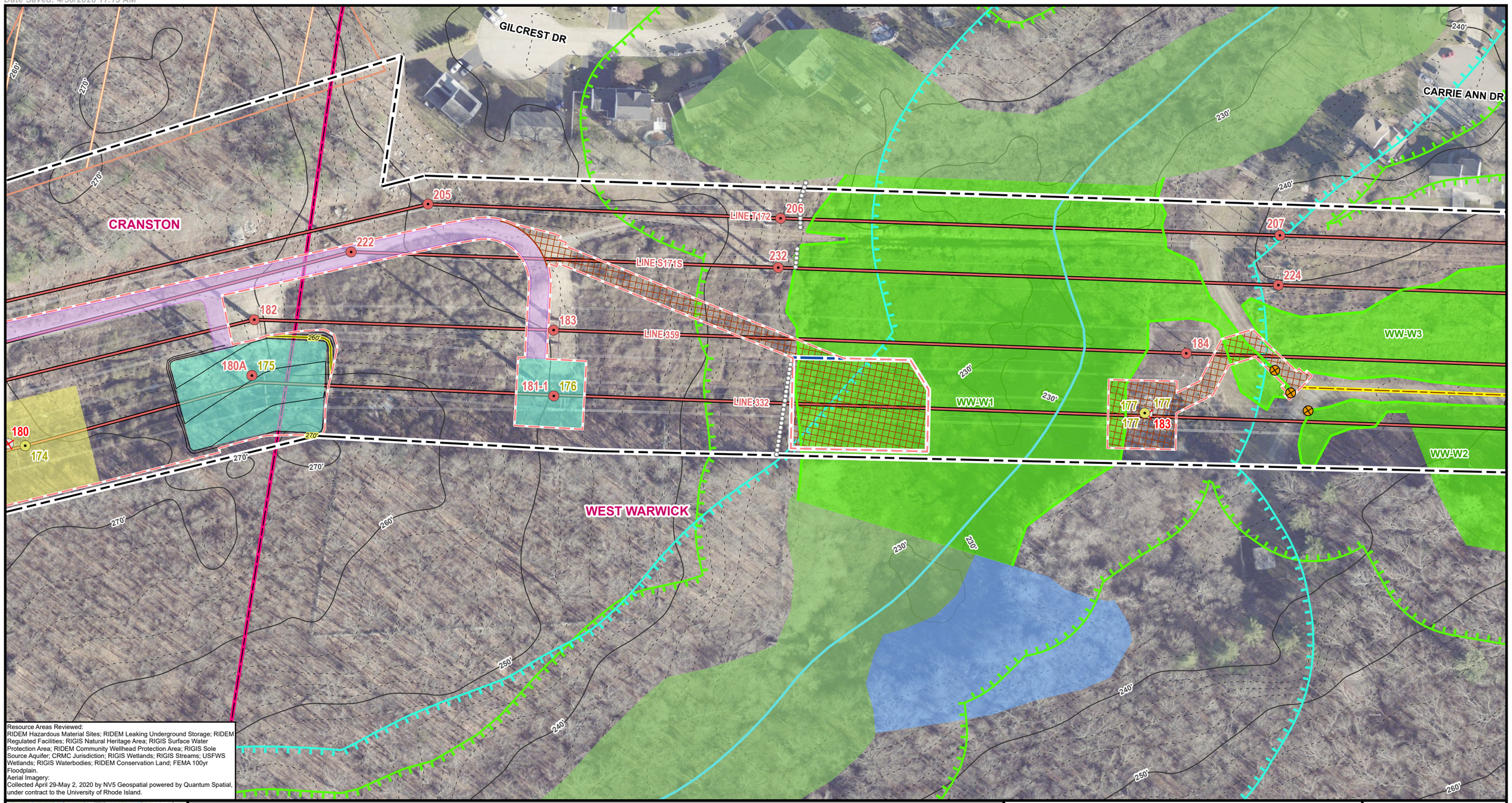

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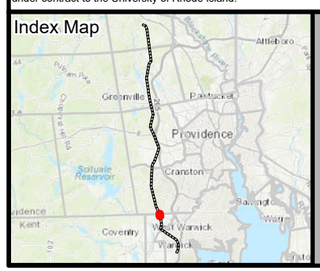

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Cranston & West Warwick, RI

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Created by: BSC GROUP

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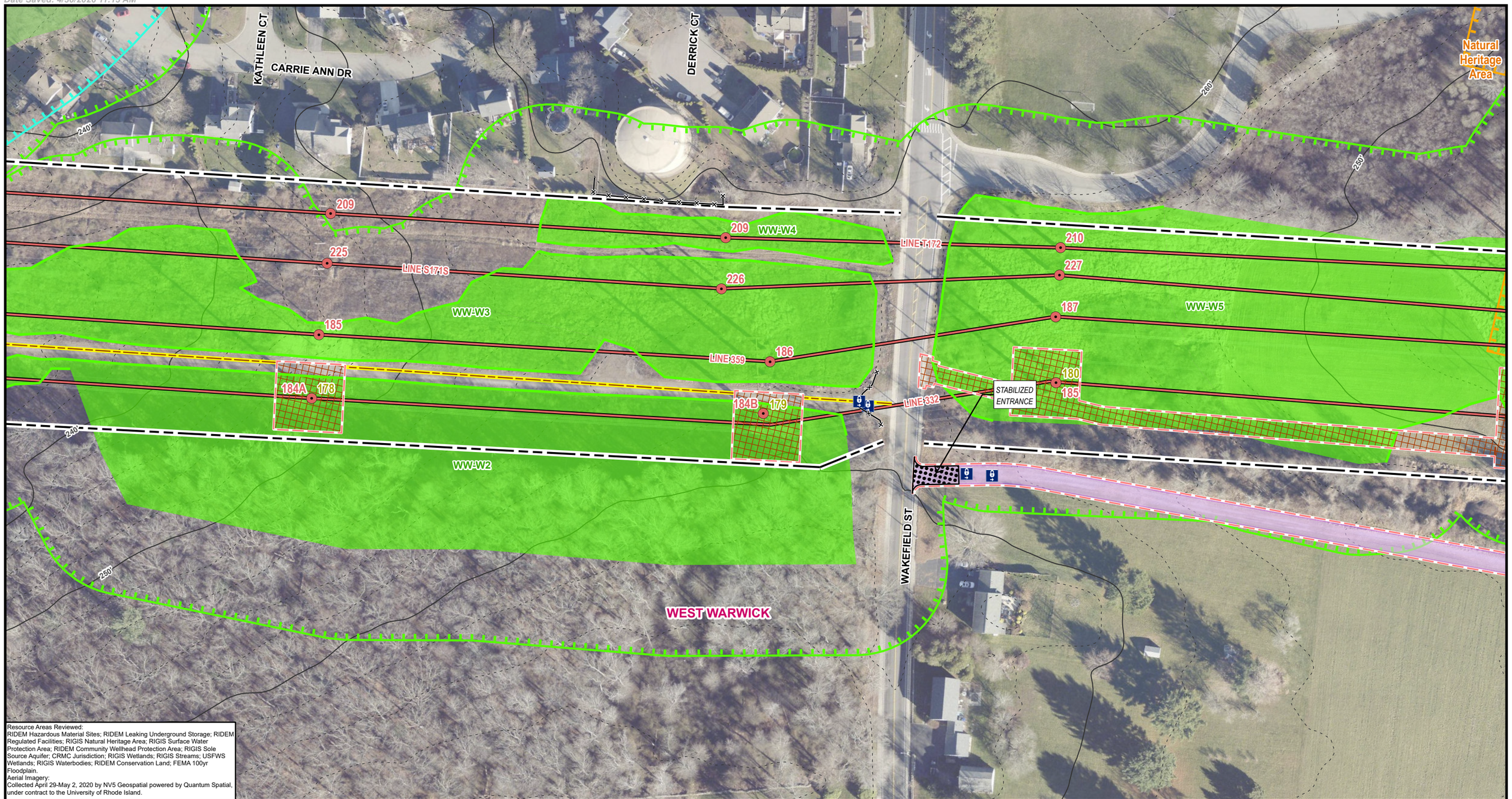

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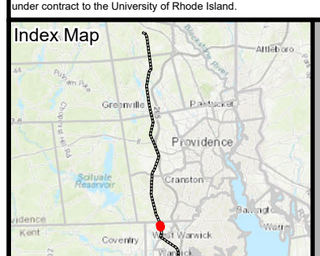

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

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West Warwick, RI

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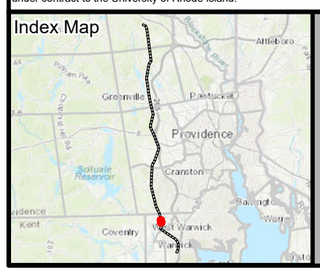

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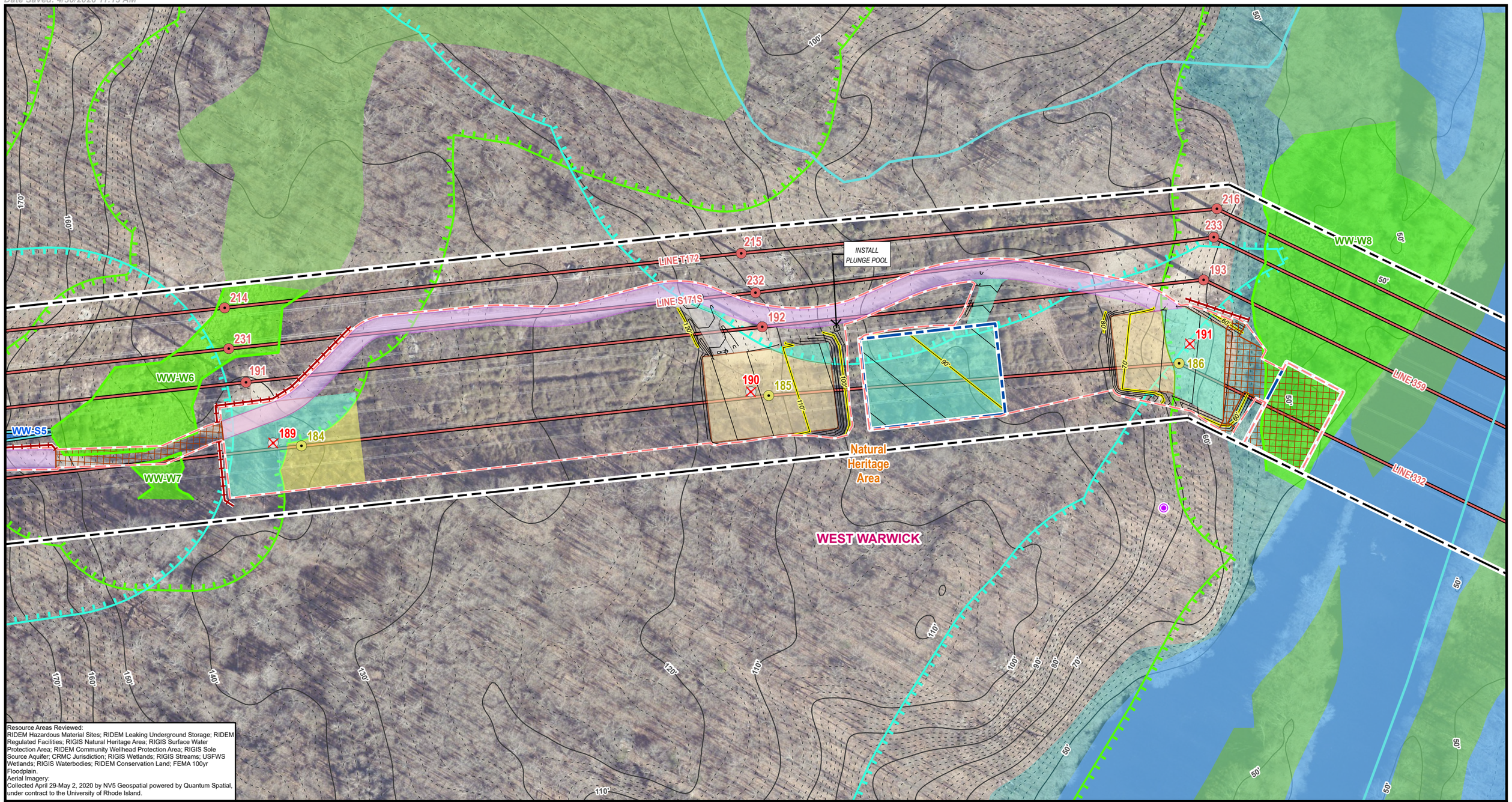

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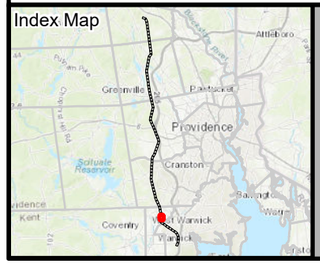

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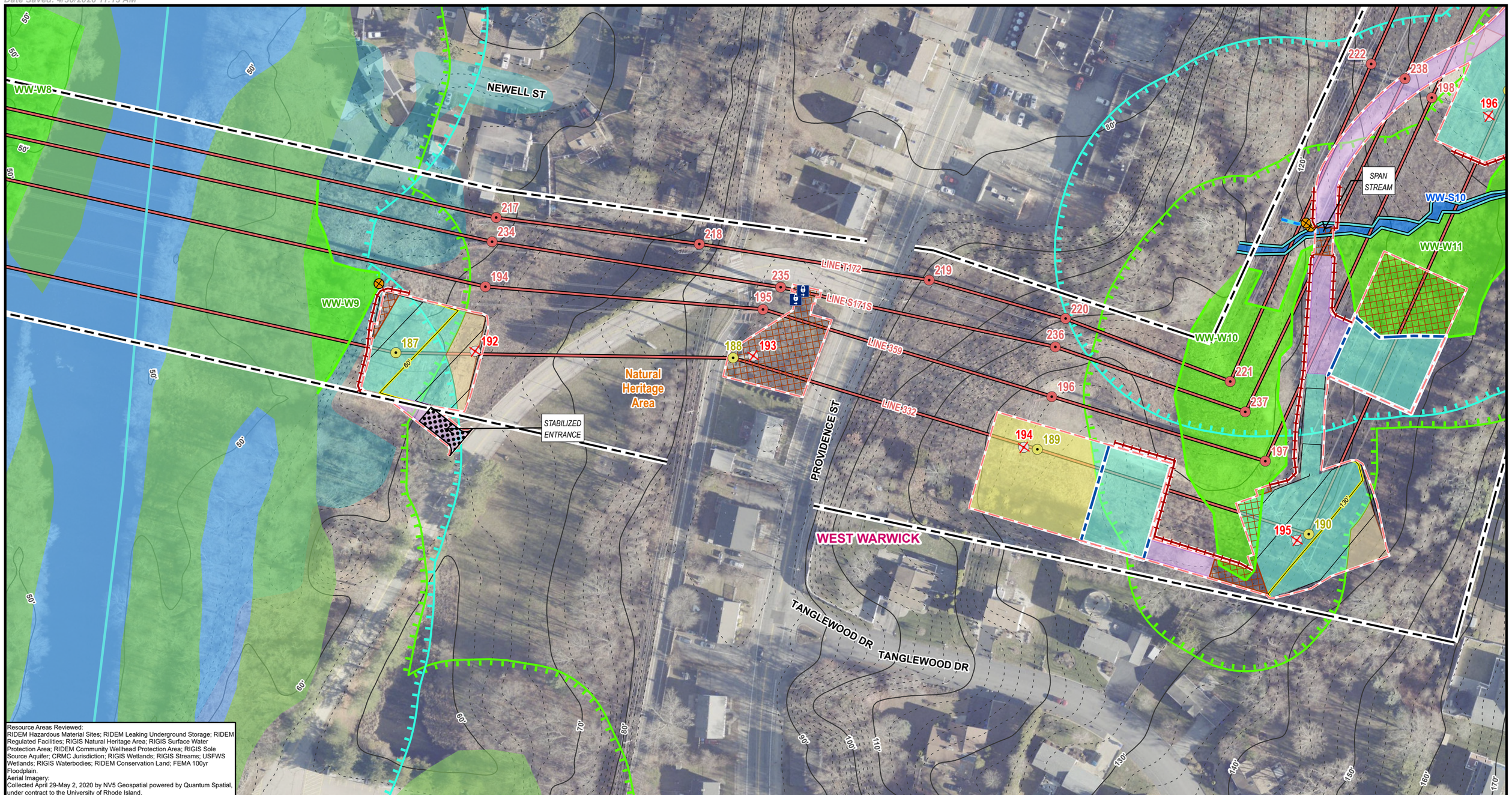

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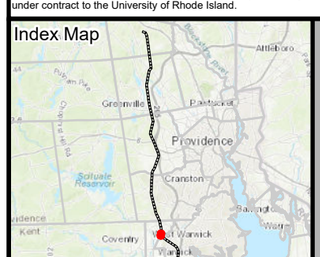

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This map set is entirely within DEM Wetland Jurisdiction & RI Wetland Reg. River Region 2
**Indicates Layers Set to Transparency*

332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

West Warwick, RI

Created for: Rhode Island Energy™ a PPL company

Created by: BSC GROUP

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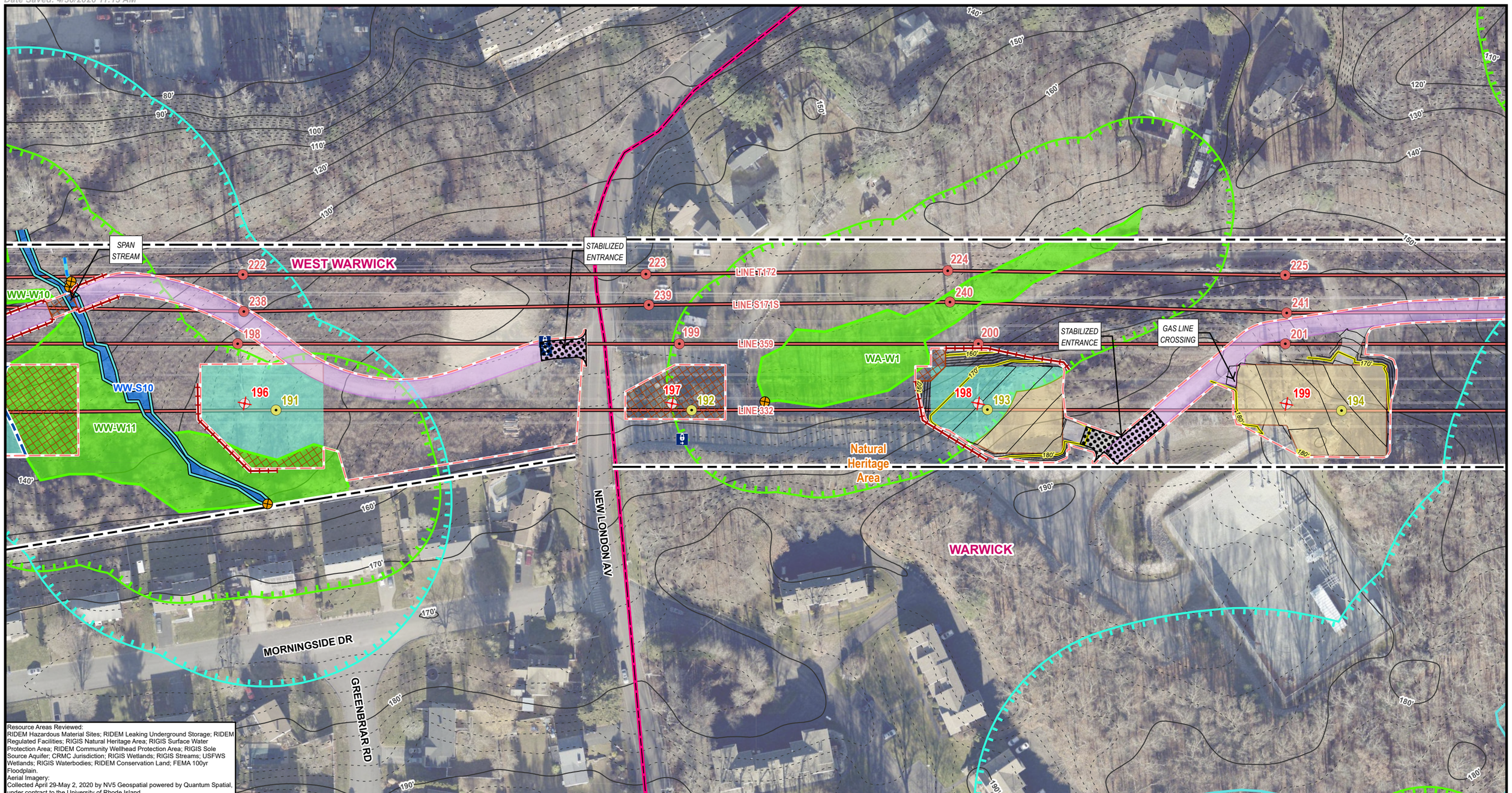

Resource Areas Reviewed:
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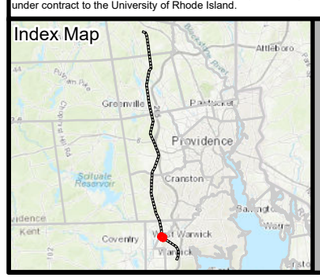

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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Project Alignment Drawings

West Warwick & Warwick, RI

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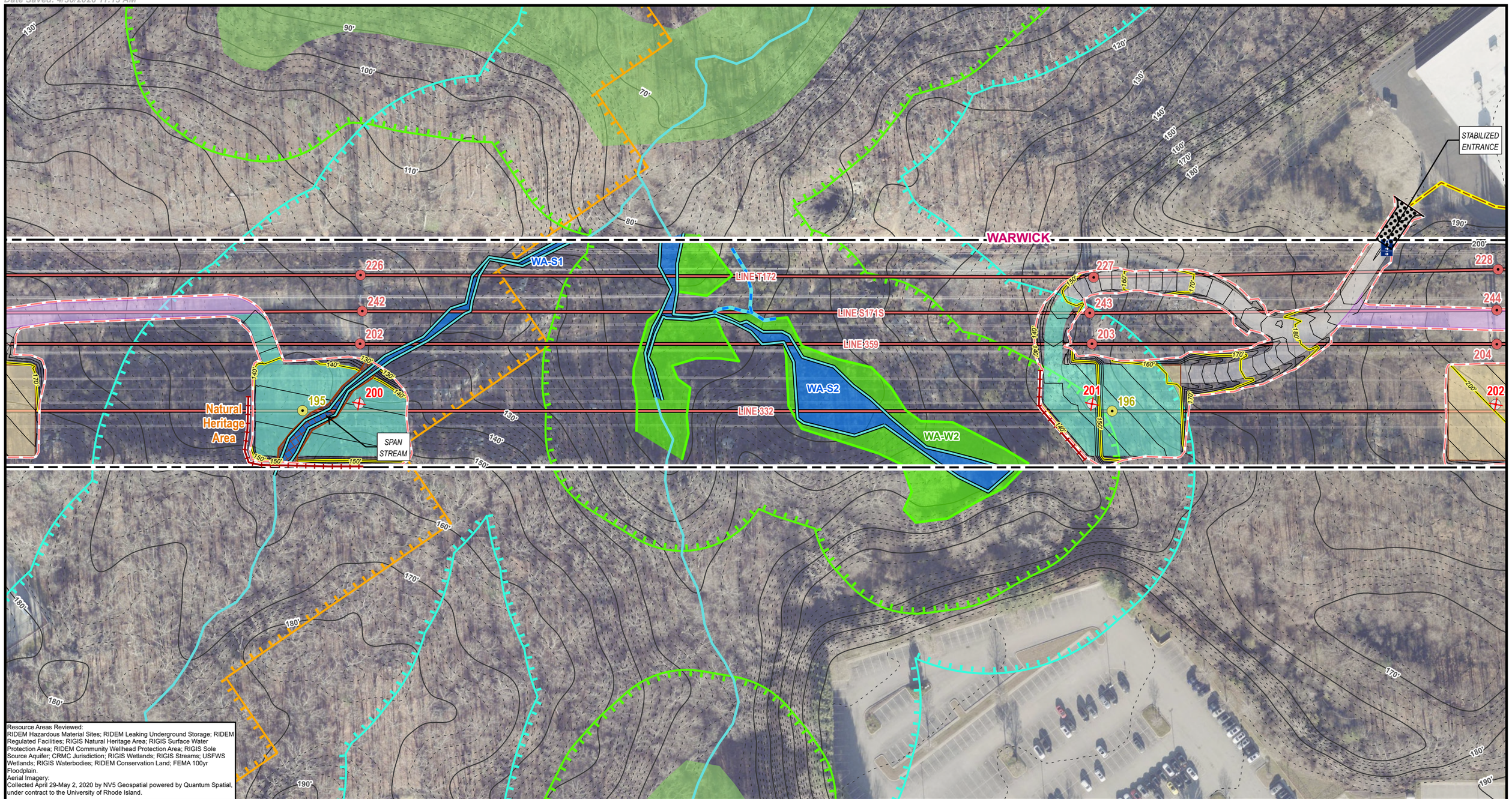

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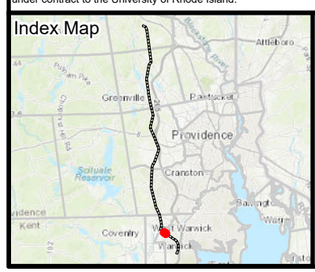

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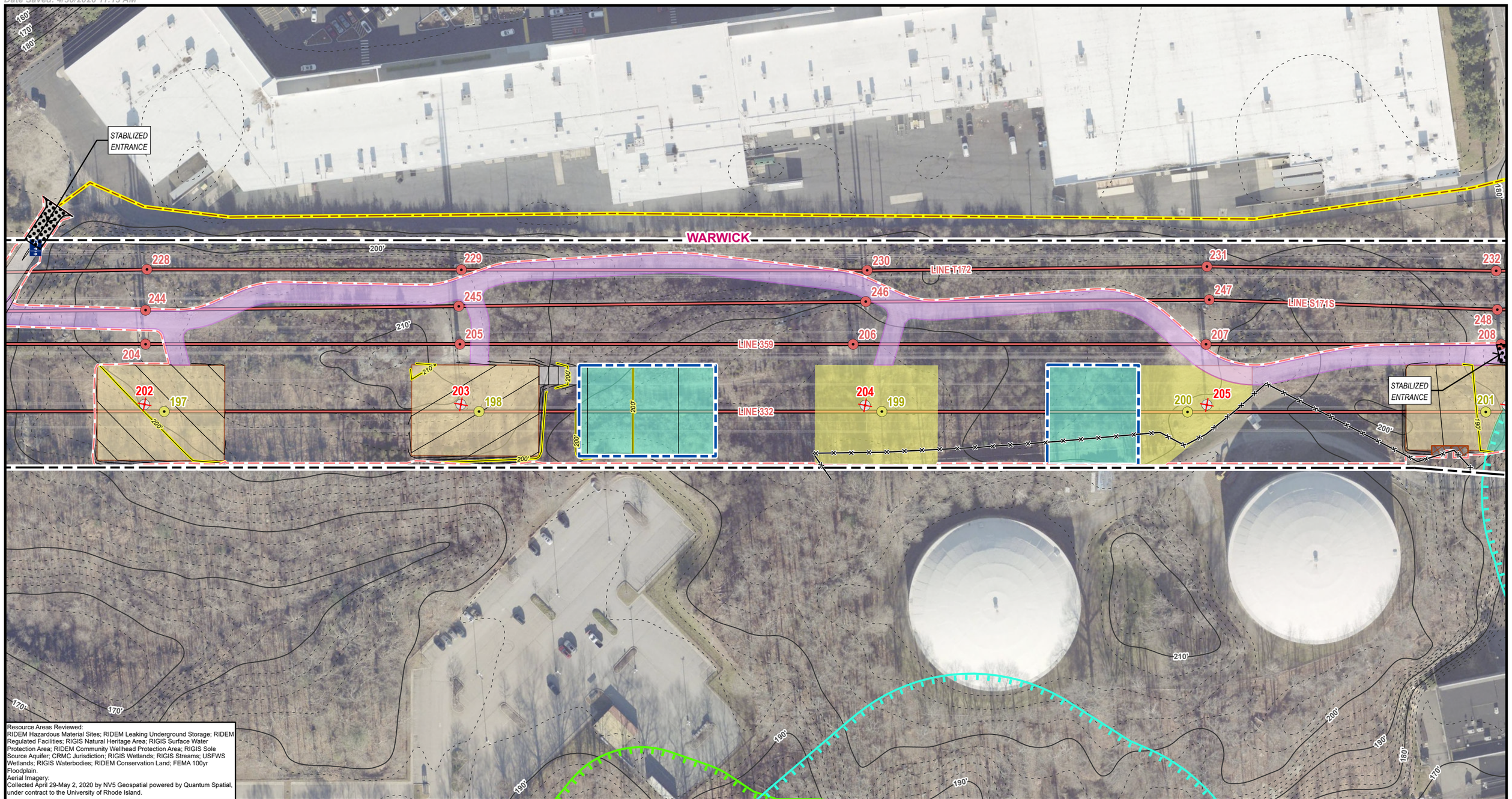

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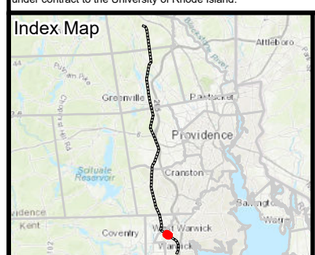

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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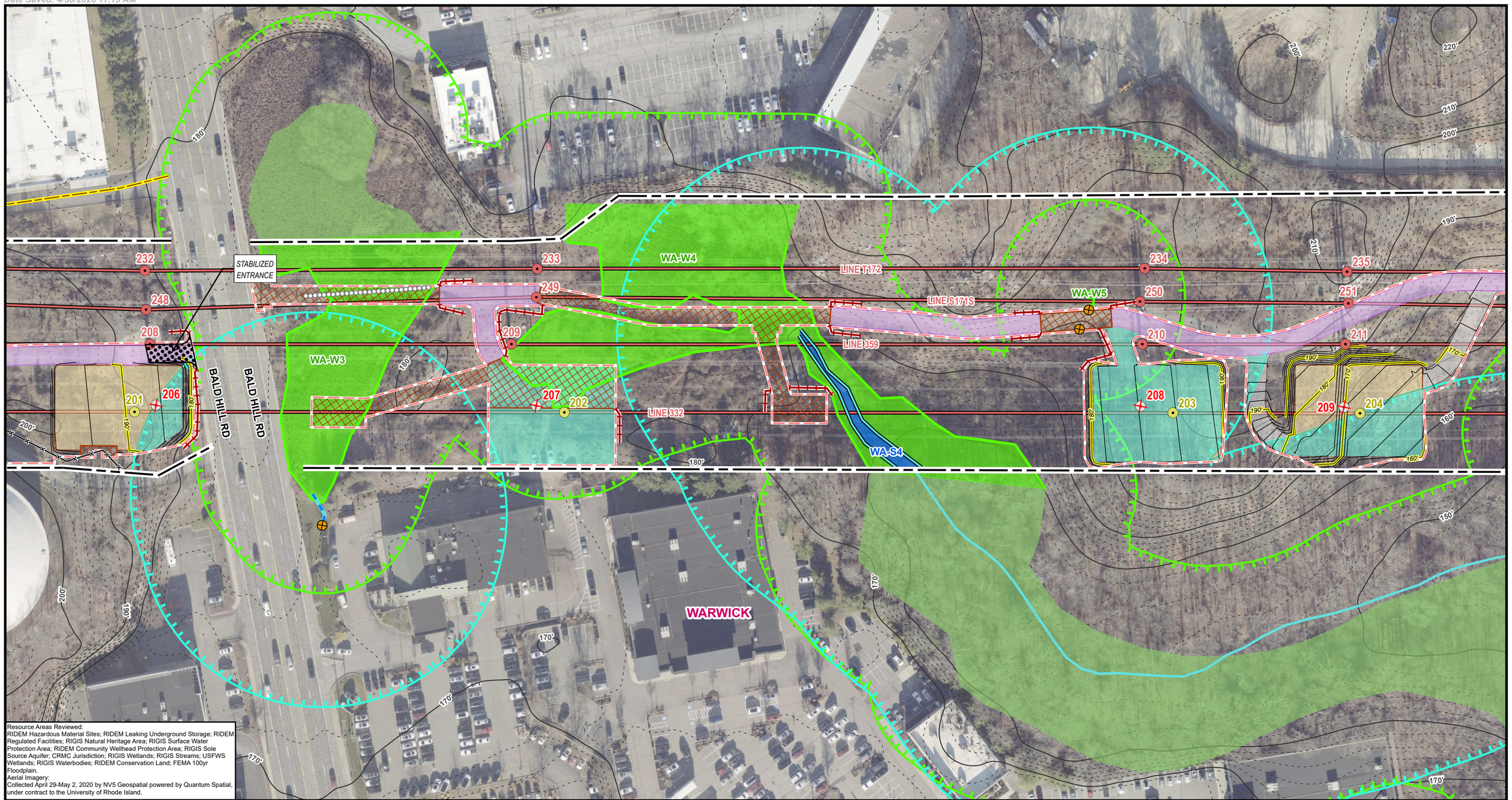

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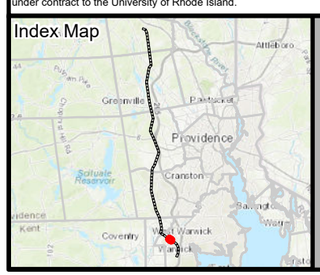

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

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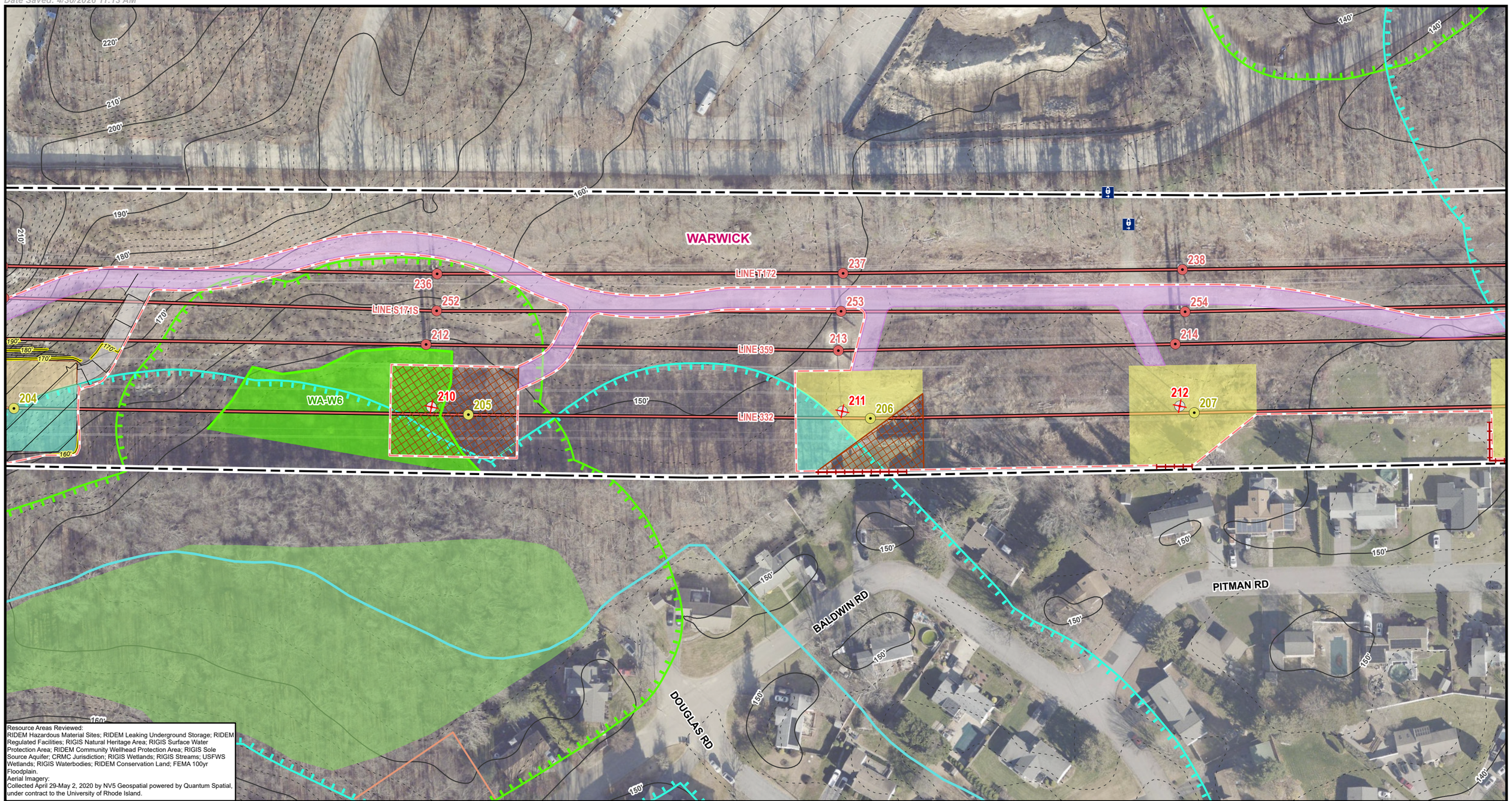

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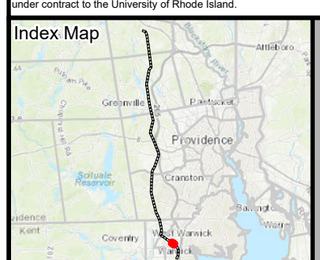

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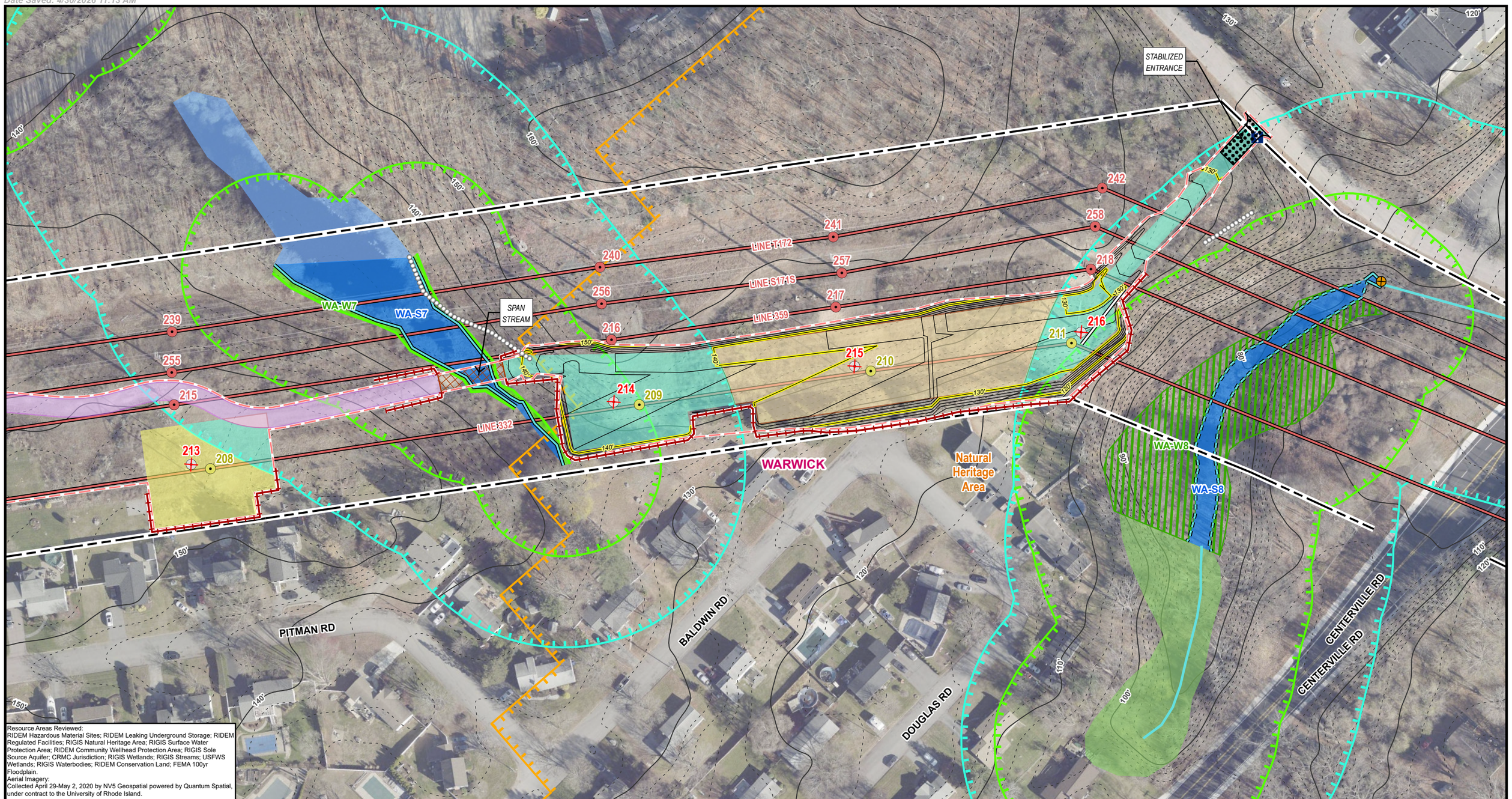

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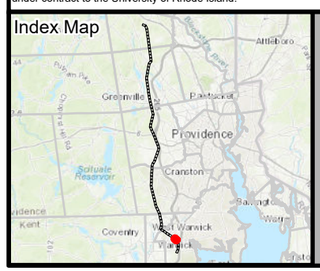

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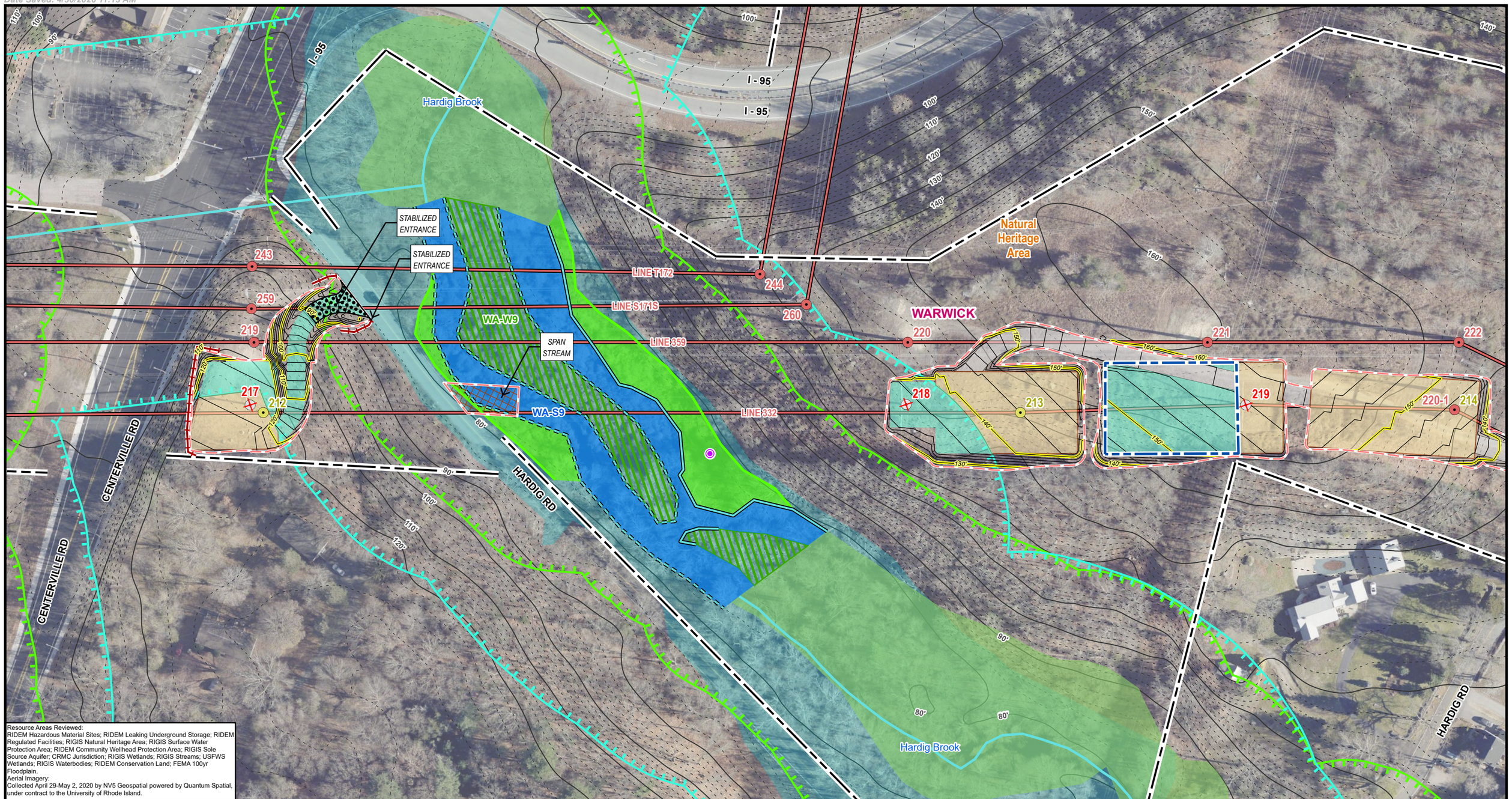

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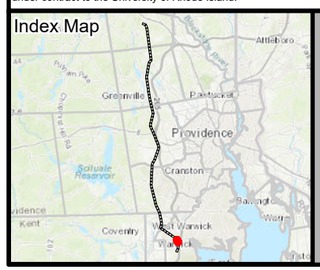

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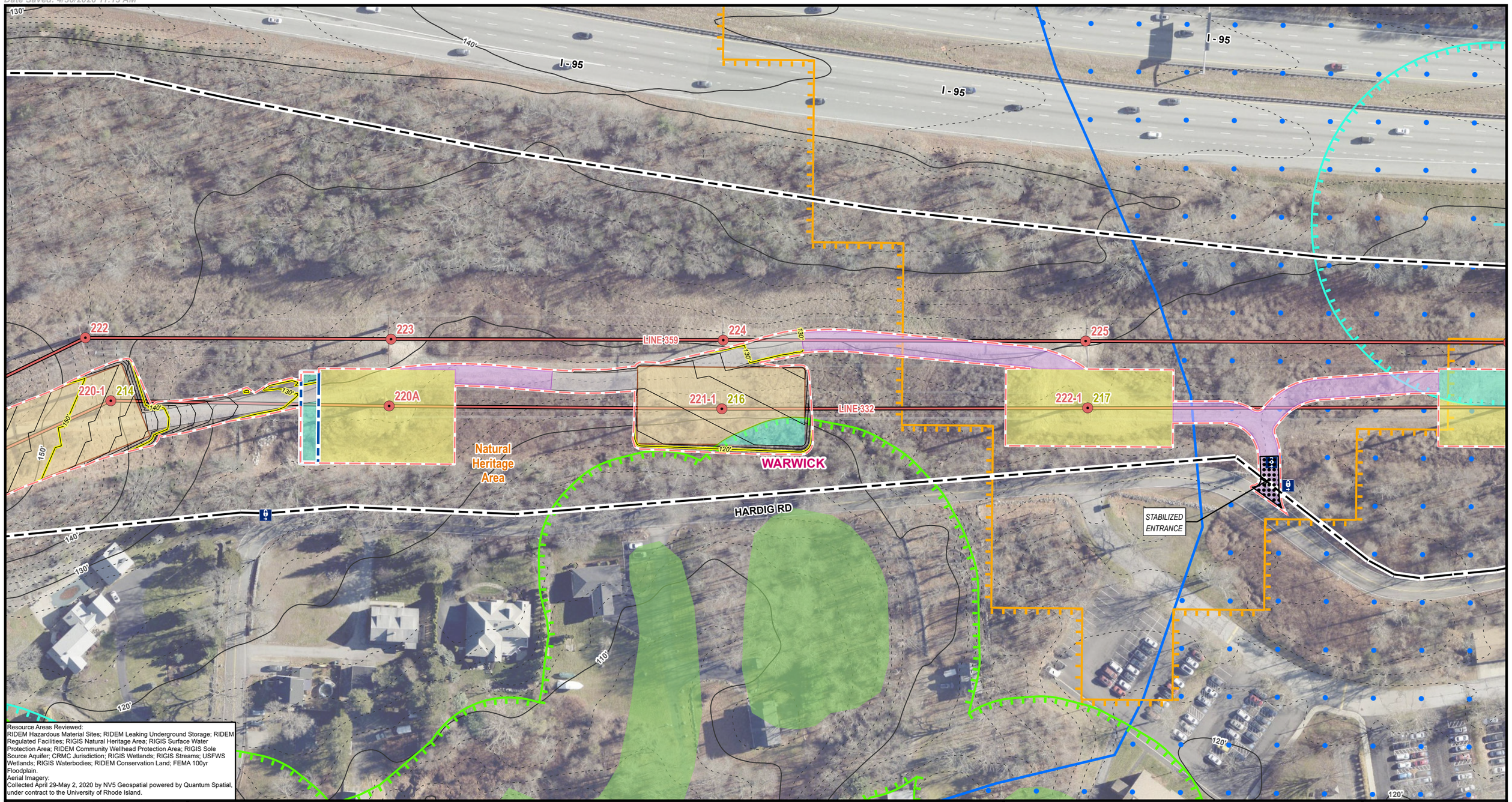

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- Existing Overhead Line
- Edge of ROW
- Existing Access Route
- Existing Access
- Existing Access to be Improved
- Engineered Access
- Access Preparation & Mow
- Temporary Access to be Restored
- Sediment Control Barrier
- Matted Work Areas
- Proposed Structure Work Pad
- Pull Pad
- Limit of Disturbance
- Field Delineated Bank
- Estimated Bank
- Field Delineated Stream Centerline
- Delineated Stream*
- Delineated Wetland Area*
- Field Identified Potential Vernal Pool
- Estimated Wetland
- State Stream
- RIGIS Open Water*
- RIGIS Wetland*
- FEMA 100yr Floodplain*
- 100ft Jurisdictional Area to Wetlands
- 200ft Jurisdictional Area to Streams
- Protected Sensitive Resource
- Natural Heritage Area
- Conservation Land
- Surface Water Protection Area
- Sole Source Aquifer
- Town Boundary
- Leaking Underground Storage
- Approximate Pipeline
- Proposed Major Contour
- Proposed Minor Contour
- Existing 10ft Contours
- Existing 2ft Contours
- Fenceline
- Guardrail
- Ledge/Drop Off
- Stonewall
- Culvert
- Gate

This map set is entirely within DEM Wetland Jurisdiction & RI Wetland Reg. River Region 2
**Indicates Layers Set to Transparency*

332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Page 74 of 76
Warwick, RI

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Created by: BSC GROUP

N

1 inch = 100 feet

0 50 100
Feet
(Page Size 11 x 17)

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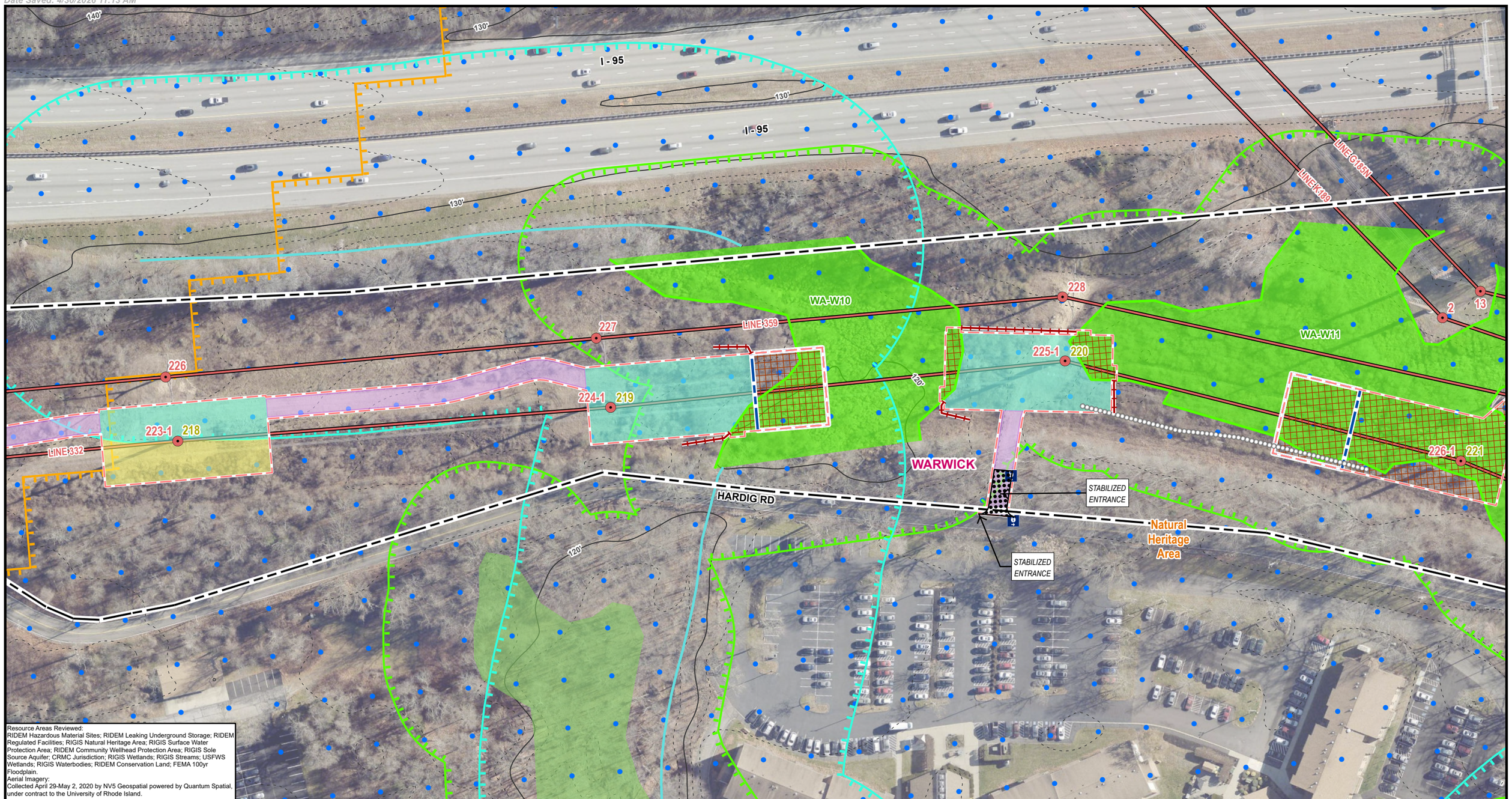
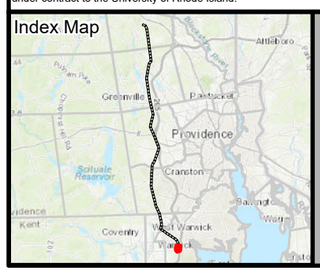


Resource Areas Reviewed:
RIDEM Hazardous Material Sites; RIDEM Leaking Underground Storage; RIDEM Regulated Facilities; RIGIS Natural Heritage Area; RIGIS Surface Water Protection Area; RIDEM Community Wellhead Protection Area; RIGIS Sole Source Aquifer; CRMC Jurisdiction; RIGIS Wetlands; RIGIS Streams; USFWS Wetlands; RIGIS Waterbodies; RIDEM Conservation Land; FEMA 100yr Floodplain.
Aerial Imagery:
Collected April 29-May 2, 2020 by NV5 Geospatial powered by Quantum Spatial, under contract to the University of Rhode Island.

Index Map



Legend

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This map set is entirely within DEM Wetland Jurisdiction & RI Wetland Reg. River Region 2
**Indicates Layers Set to Transparency*

332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Page 75 of 76
Warwick, RI

Created for: Rhode Island Energy™ a PPL company

Created by: BSC GROUP

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1 inch = 100 feet

0 50 100
Feet
(Page Size 11 x 17)

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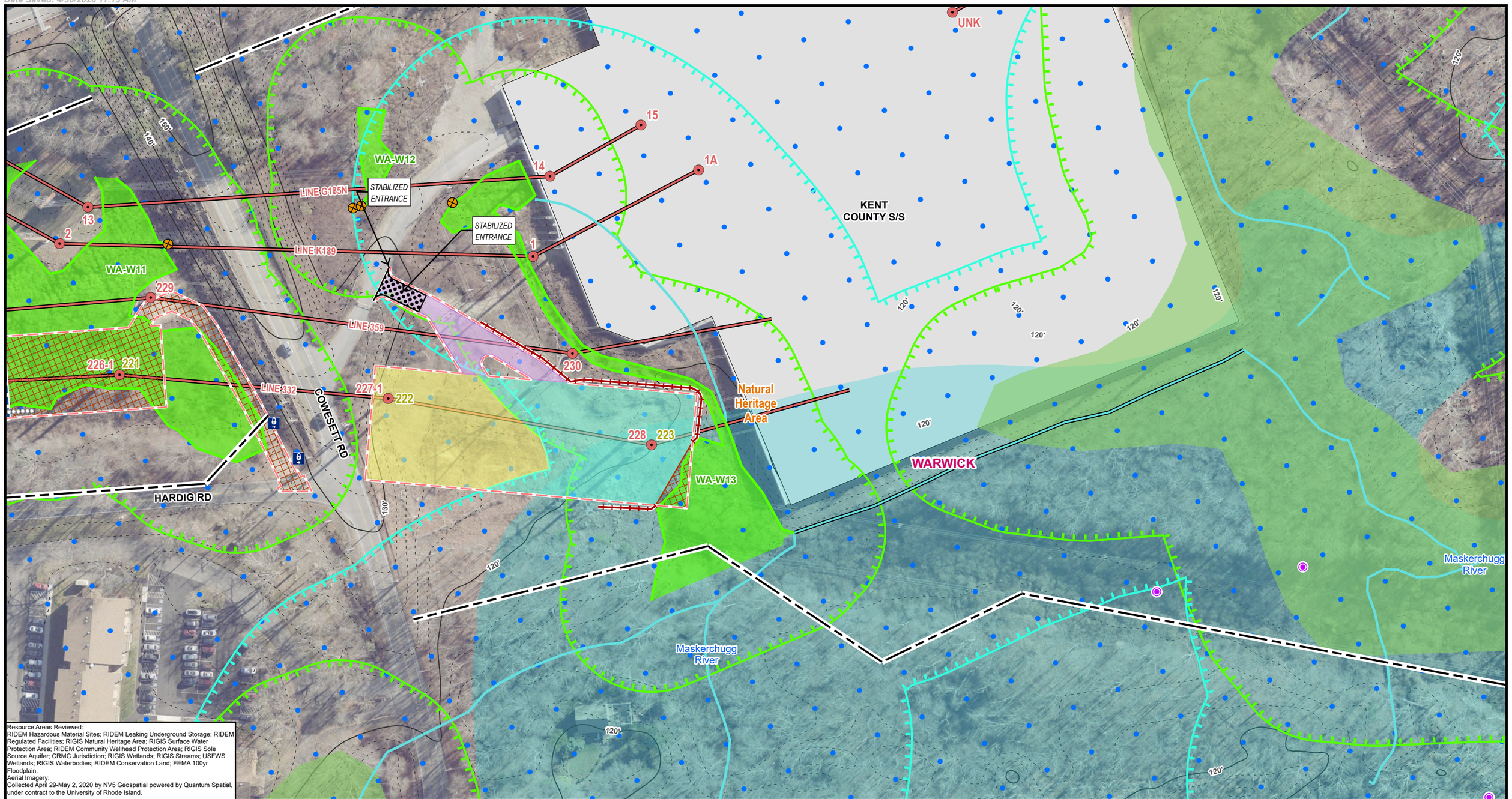

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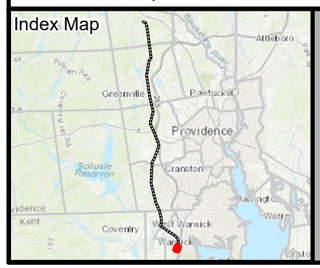

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332 LINE WEST FARNUM TO KENT COUNTY REBUILD PROJECT

Figure 3-1
Project Alignment Drawings

Warwick, RI

Created for: Rhode Island Energy™ a PPL company

Created by: BSC GROUP

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1 inch = 100 feet
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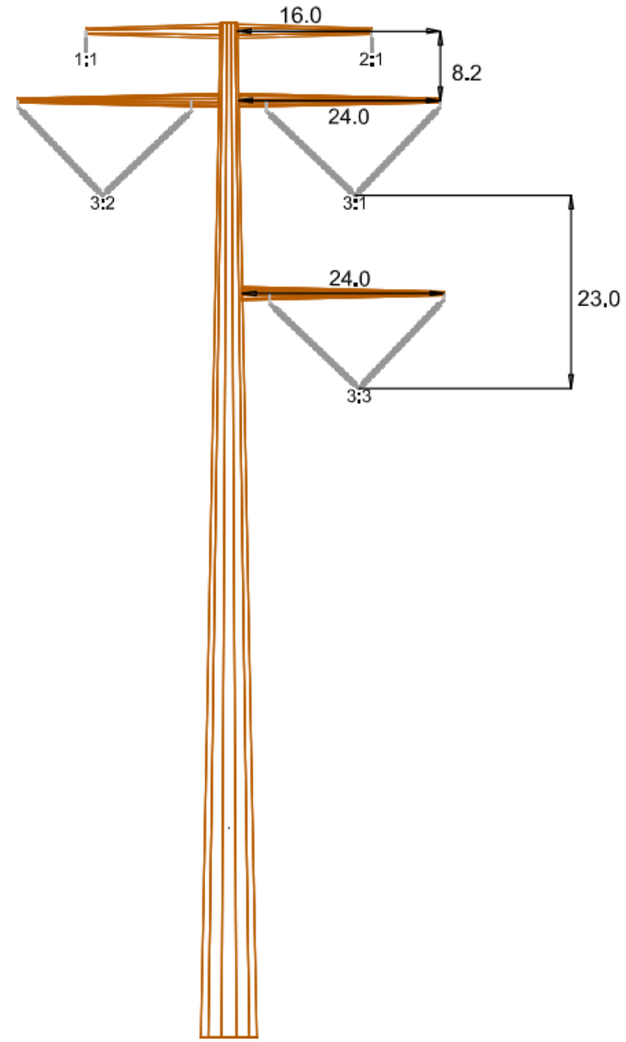
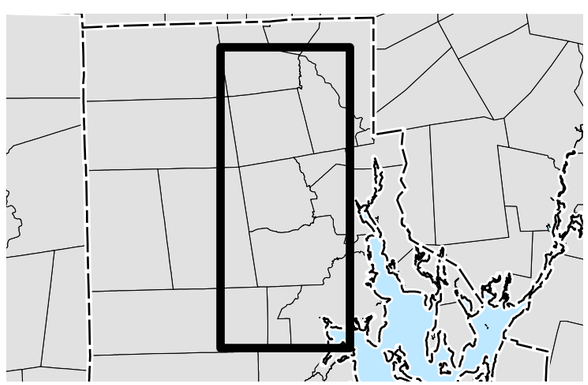


Project Vicinity



332 Line West Farnum to Kent County Rebuilt Project

Figure 3-2 - Typical Structure Details - Page 1

State of Rhode Island

Providence & Kent Counties:
Town of North Smithfield, Smithfield, John and West Warwick, Cities of Cranston and Warwick

BSC GROUP
NAD 1983 2011 StatePlane Rhode Island FIPS 3800 Ft US

Rhode Island Energy™
a PPL company

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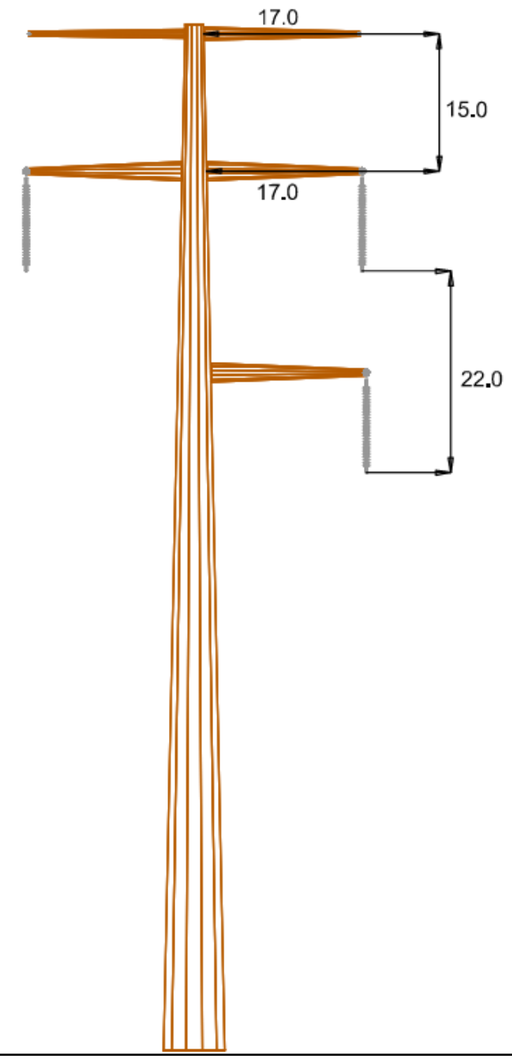
DATE: 3/6/2026

AUTHOR: KANDREWS



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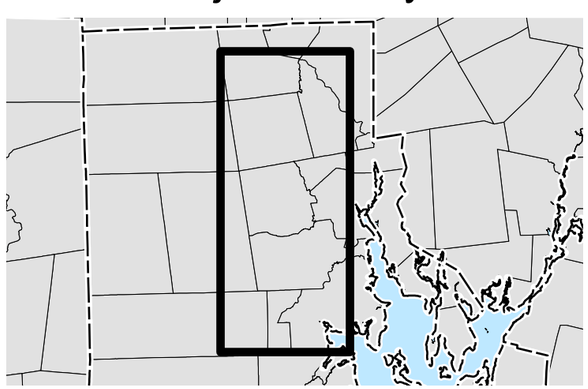

332 Line West Farnum to Kent County Rebuilt Project

Figure 3-2 - Typical Structure Details - Page 2

State of Rhode Island

Providence & Kent Counties:
Town of North Smithfield, Smithfield, John and West Warwick, Cities of Cranston and Warwick

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a PPL company

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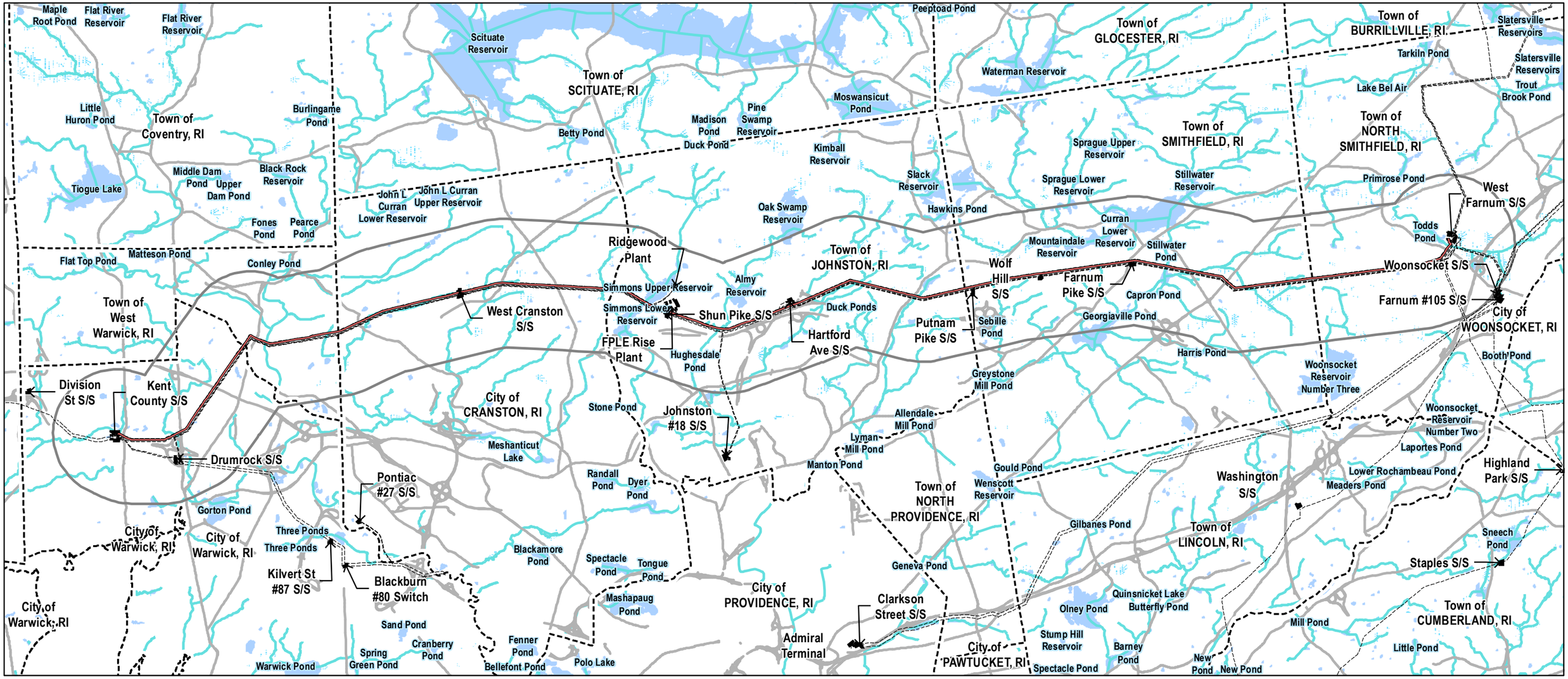

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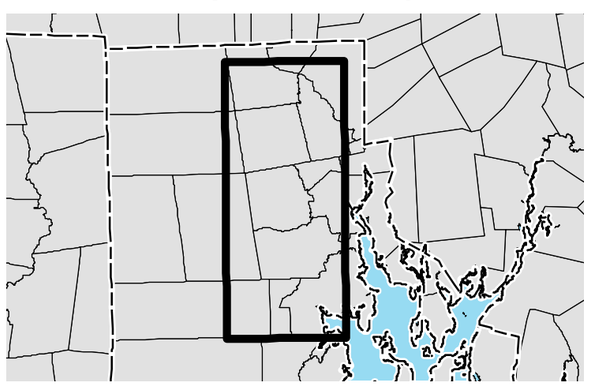

Legend

- Project Features
- Existing Overhead Line
- 5000ft Study Area
- Existing Power Facility
- State Highway
- River or Stream
- Lake or Pond
- Swamp or Marsh
- Town Boundary

332 Line West Farnum to Kent County Rebuild Project

Figure 4-1 - Study Area

State of Rhode Island

Providence and Kent Counties:
Towns of North Smithfield, Smithfield, Johnston and West Warwick, Cities of Cranston and Warwick

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NAD 1983 2011 StatePlane Rhode Island FIPS 3800 Ft US

W S N E

0 1.5 3 Miles

1 " = 7,500 '

Rhode Island Energy

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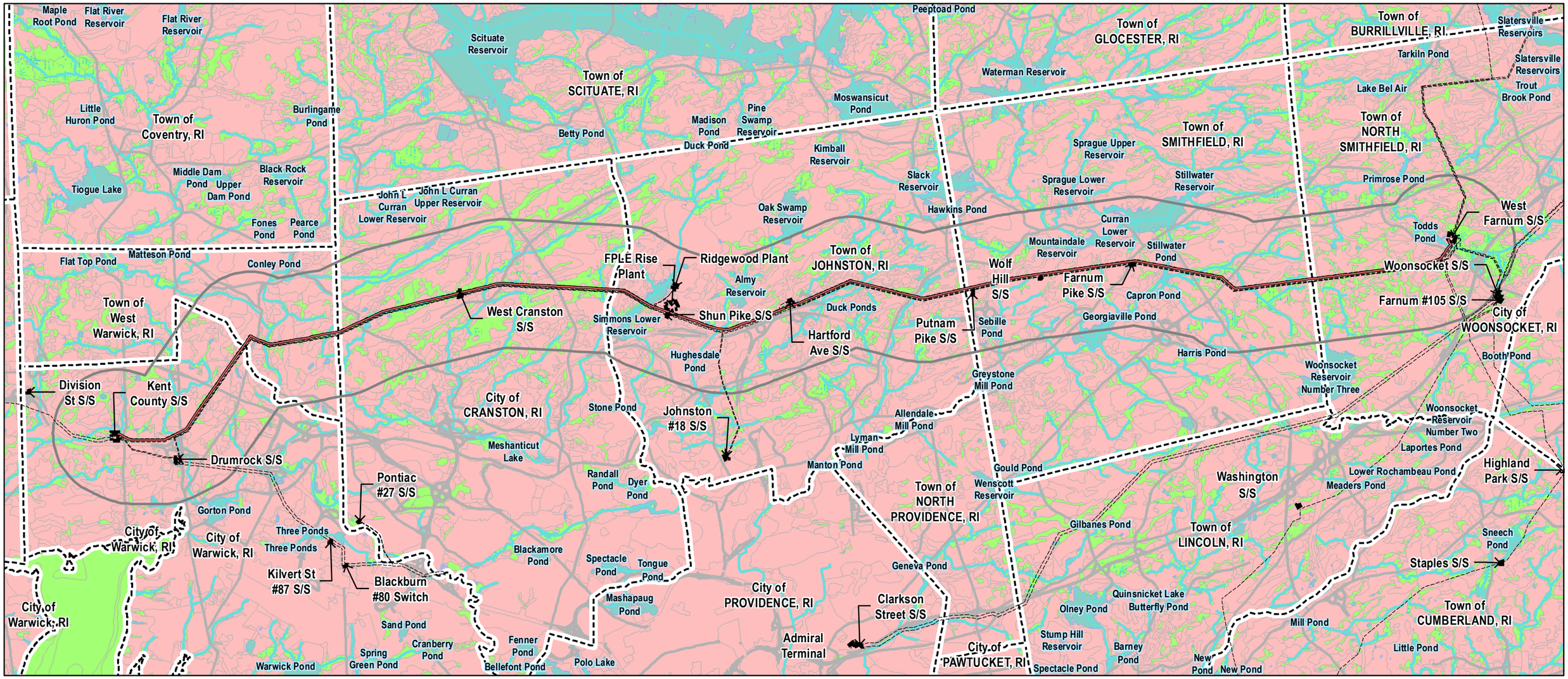
DATE: 8/5/2025

AUTHOR: RANETA



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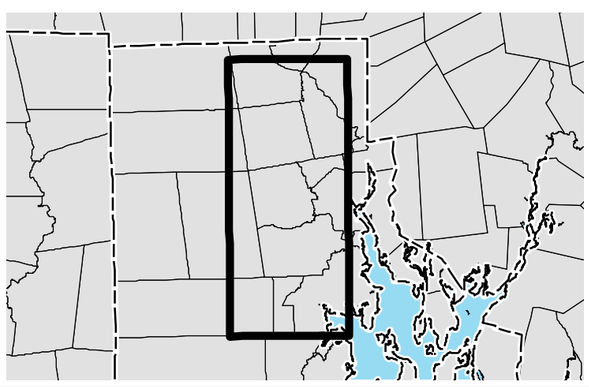

Legend

- Project Features
- Existing Overhead Line
- 5000ft Study Area
- Existing Power Facility
- State Highway
- River or Stream
- Lake or Pond
- Swamp or Marsh
- Town Boundary

Hydric Rating

- Yes
- No

332 Line West Farnum to Kent County Rebuild Project

Figure 4-2 - Hydric Soils

State of Rhode Island

Providence and Kent Counties:
Towns of North Smithfield, Smithfield, Johnston and West Warwick, Cities of Cranston and Warwick

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W S Z E

0 1.5 3 Miles

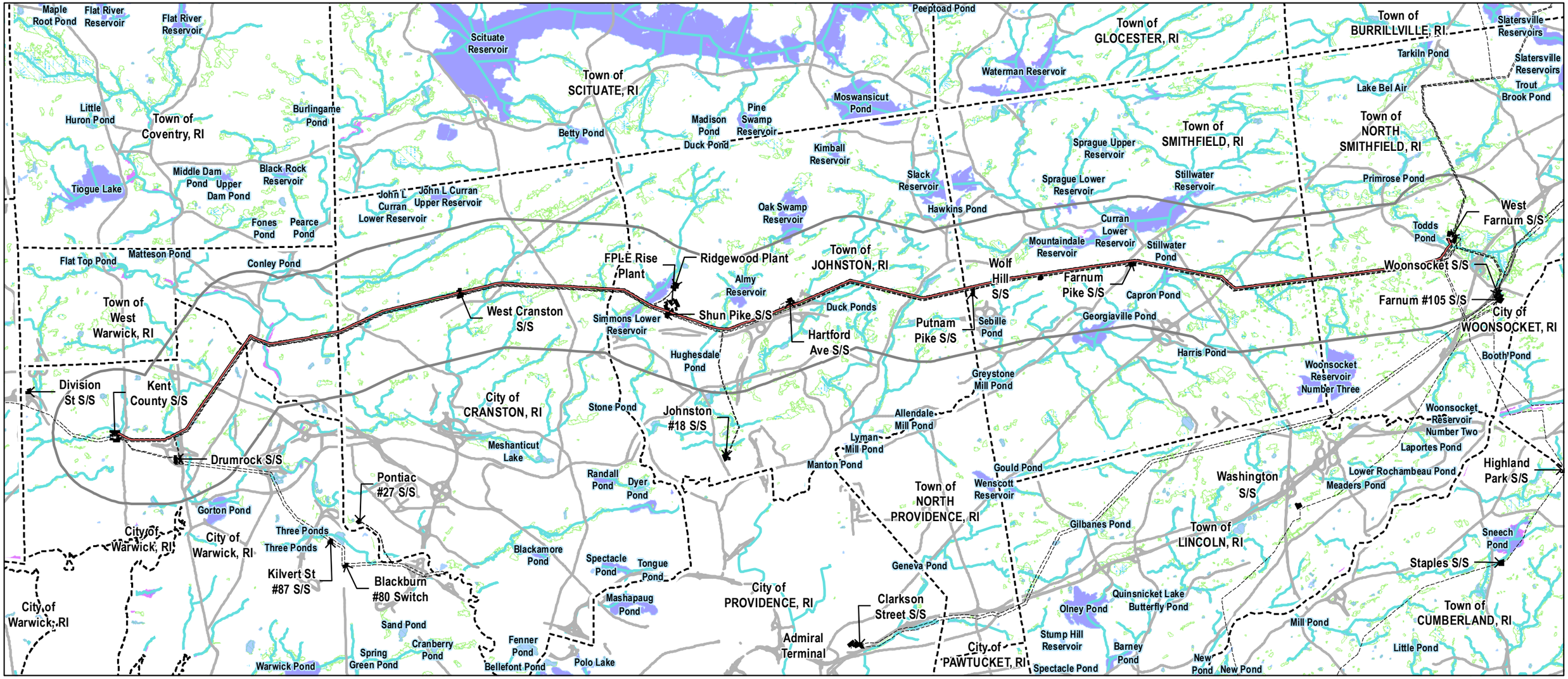
1 " = 7,500 '

Rhode Island Energy

NOT FOR CONSTRUCTION

DATE: 8/5/2025

AUTHOR: RANETA



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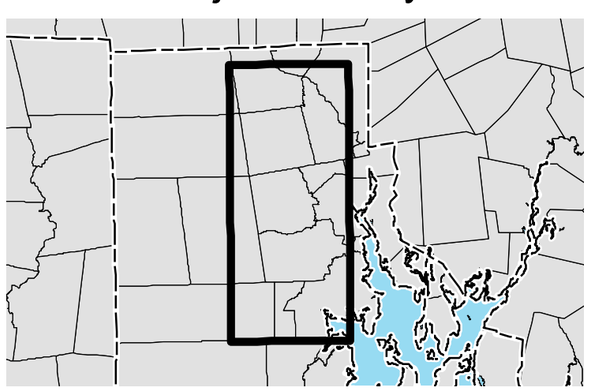

Legend

- Project Features
- Existing Overhead Line
- 5000ft Study Area
- Existing Power Facility
- State Highway
- River or Stream
- Lake or Pond
- Swamp or Marsh
- Town Boundary

Wetlands

- NWI Freshwater Wetland
- NWI Wetland

332 Line West Farnum to Kent County Rebuild Project

Figure 4-3 - Wetland Resources

State of Rhode Island

Providence and Kent Counties:
Towns of North Smithfield, Smithfield, Johnston and West Warwick, Cities of Cranston and Warwick

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NAD 1983 2011 StatePlane Rhode Island FIPS 3800 Ft US

N W E S

0 1.5 3 Miles

1 " = 7,500 '

Rhode Island Energy

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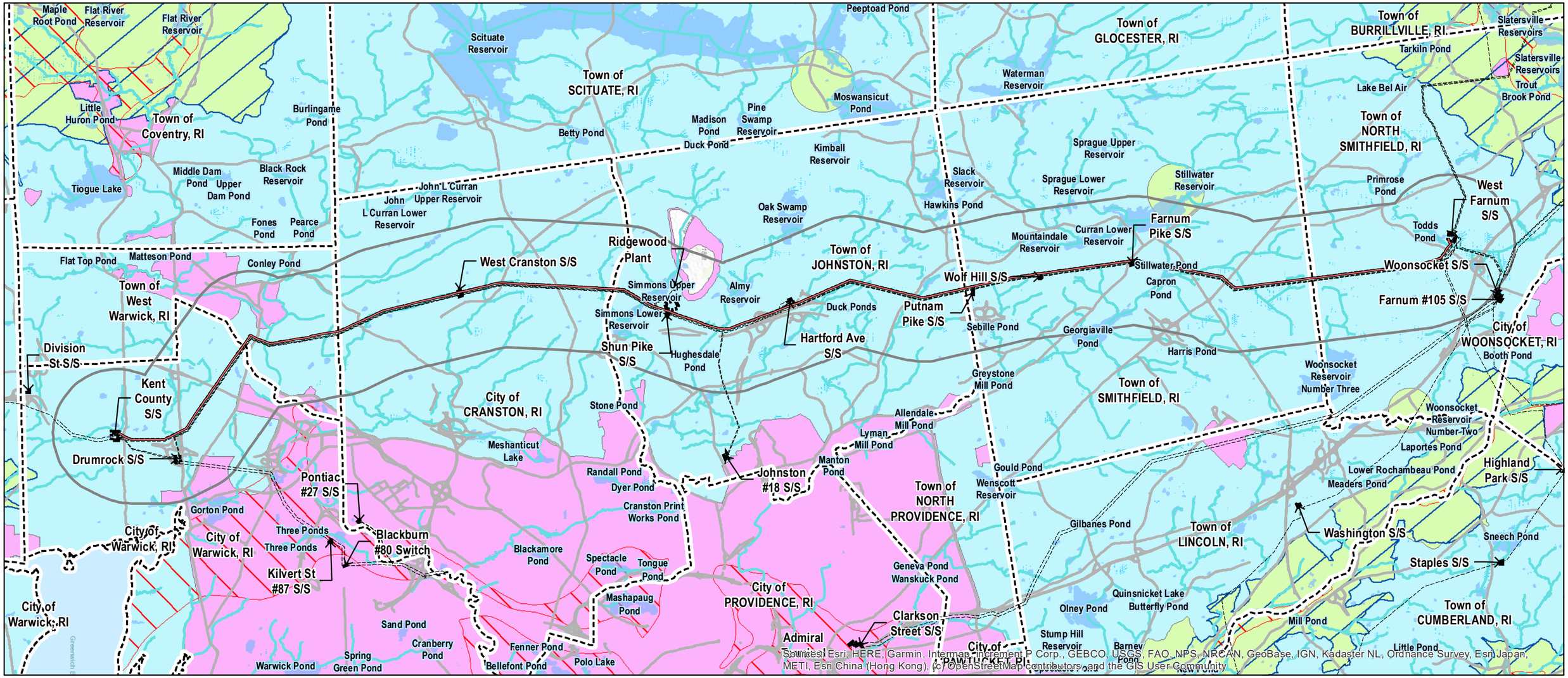
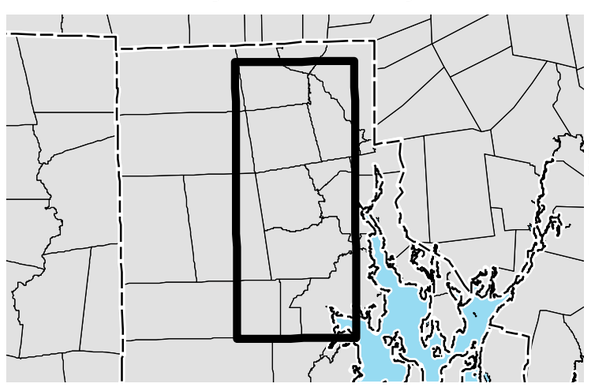


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Project Vicinity



Legend

- Project Features
- Existing Overhead Line
- 5000ft Study Area
- Existing Power Facility
- State Highway
- River or Stream
- Lake or Pond
- Swamp or Marsh
- Town Boundary
- Groundwater Reservoir

Groundwater Quality Standard

- GA
- GAA
- GB

332 Line West Farnum to Kent County Rebuild Project

Figure 4-4 - Groundwater Resources

State of Rhode Island

Providence and Kent Counties:
Towns of North Smithfield, Smithfield, Johnston and West Warwick, Cities of Cranston and Warwick

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W S N E

0 1.5 3 Miles

1 " = 7,500 '

Rhode Island Energy

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DATE: 8/5/2025

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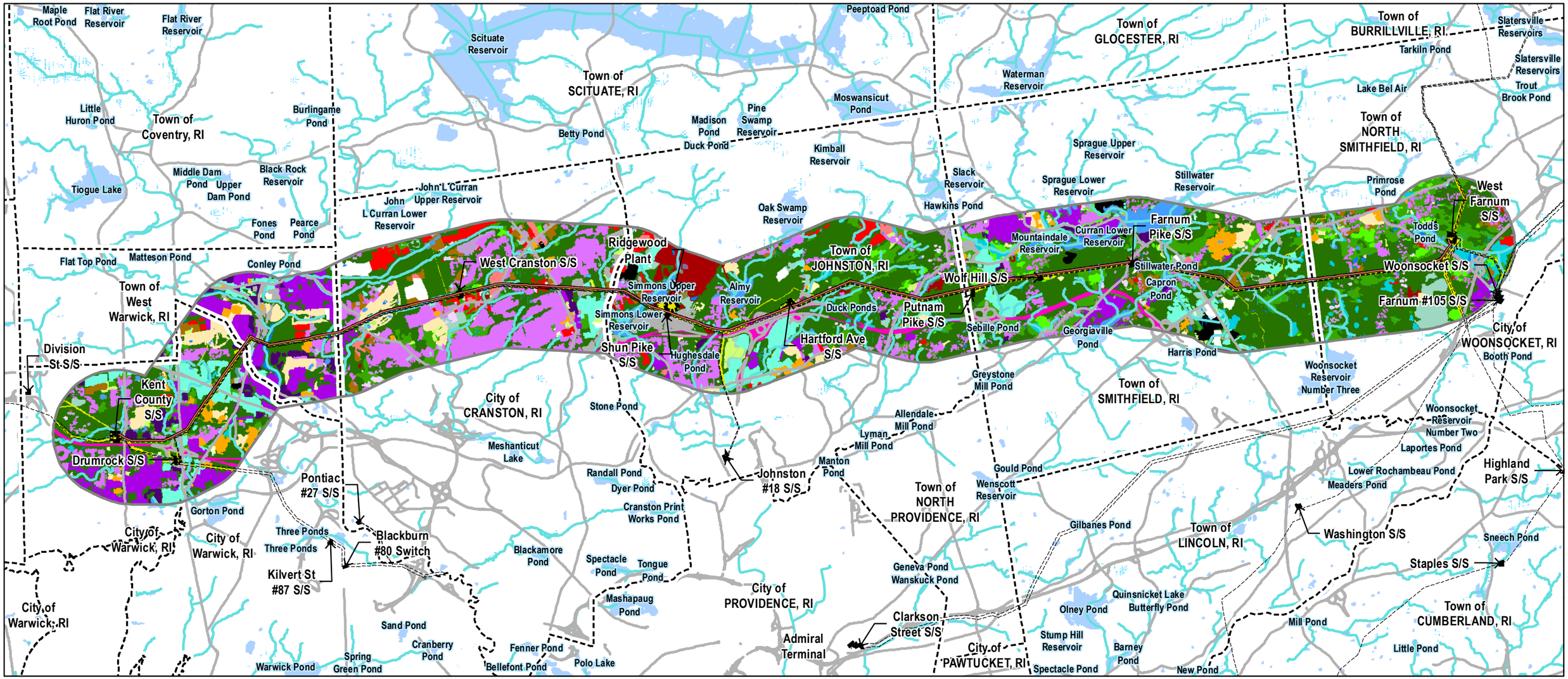

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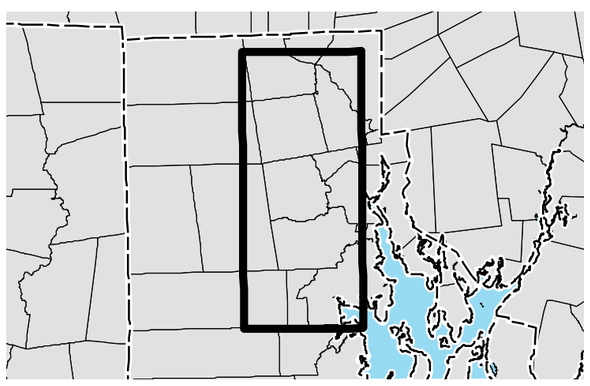

Legend

- Existing Power Facility
- State Highway
- River or Stream
- Lake or Pond
- Swamp or Marsh
- Town Boundary

Land Use/Land Cover

- Brushland
- Commercial
- Cropland
- Deciduous Forest (>80% hardwood)
- Mixed Forest
- Softwood Forest (>80% softwood)
- Recreation
- Agriculture, Pasture
- Industrial (manufacturing, design, assembly, etc.)
- Institutional (schools, hospitals, churches, etc.)
- Low Density Residential (>2 acre lots)
- Medium Low Density Residential (1 to 2 acre lots)
- Medium Density Residential (1 to 1/4 acre lots)
- Medium High Density Residential (1/4 to 1/8 acre lots)
- High Density Residential (<1/8 acre lots)
- Mines, Quarries and Gravel Pits
- Orchards, Groves, Nurseries
- Utility Easment
- Transportation
- Transitional Areas (urban open)
- Vacant Land
- Waste Disposal (landfills, junkyards, etc.)
- Water
- Water and Sewage Treatment
- Wetland

332 Line West Farnum to Kent County Rebuild Project

Figure 5-1 - Land Use Classification

State of Rhode Island

Providence and Kent Counties:
Towns of North Smithfield, Smithfield, Johnston and West Warwick, Cities of Cranston and Warwick

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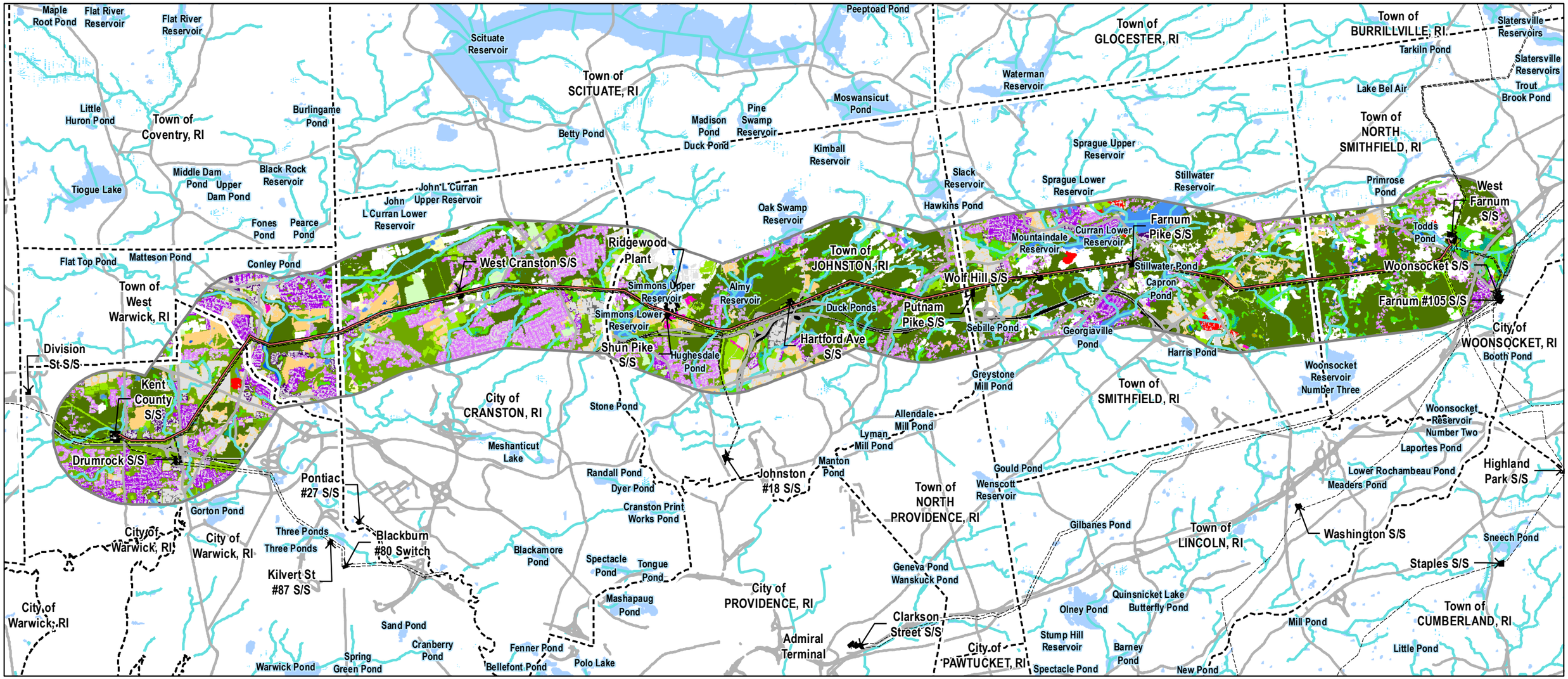

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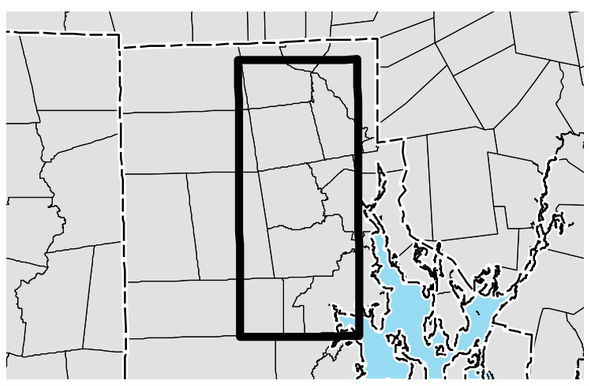

Legend

- Project Features
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- 5000ft Study Area
- Existing Power Facility
- State Highway
- River or Stream
- Lake or Pond
- Swamp or Marsh
- Town Boundary

Ecological Communities

- Cropland, Nursery/Christmas Trees
- Emergent Marsh
- Extractive Industry
- Forested Swamp
- Fresh Water
- Hayfields/Pasture
- Oak Forest
- Ruderal Forest
- Ruderal Grassland/Shrubland
- Shrub Swamp
- Urban/Recreational Grasses
- Urban/Suburban Built, Low Density Residential (>2 acre lots)
- Urban/Suburban Built, Medium Low Density Residential (1 to 2 acre lots)
- Urban/Suburban Built, Medium Density Residential (1 to 1/4 acre lots)
- Urban/Suburban Built, Medium High Density Residential (1/4 to 1/8 acre lots)
- Urban/Suburban Built, High Density Residential (<1/8 acre lots)
- Urban/Suburban Built, Transitional Areas (urban open)
- Urban/Suburban Built, Roads/Highways
- Urban/Suburban Built, Commercial/Industrial Mixed
- Impervious

332 Line West Farnum to Kent County Rebuild Project

Figure 5-2 -Ecological Communities Classification

State of Rhode Island

Providence and Kent Counties:
Towns of North Smithfield, Smithfield, Johnston and West Warwick, Cities of Cranston and Warwick

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