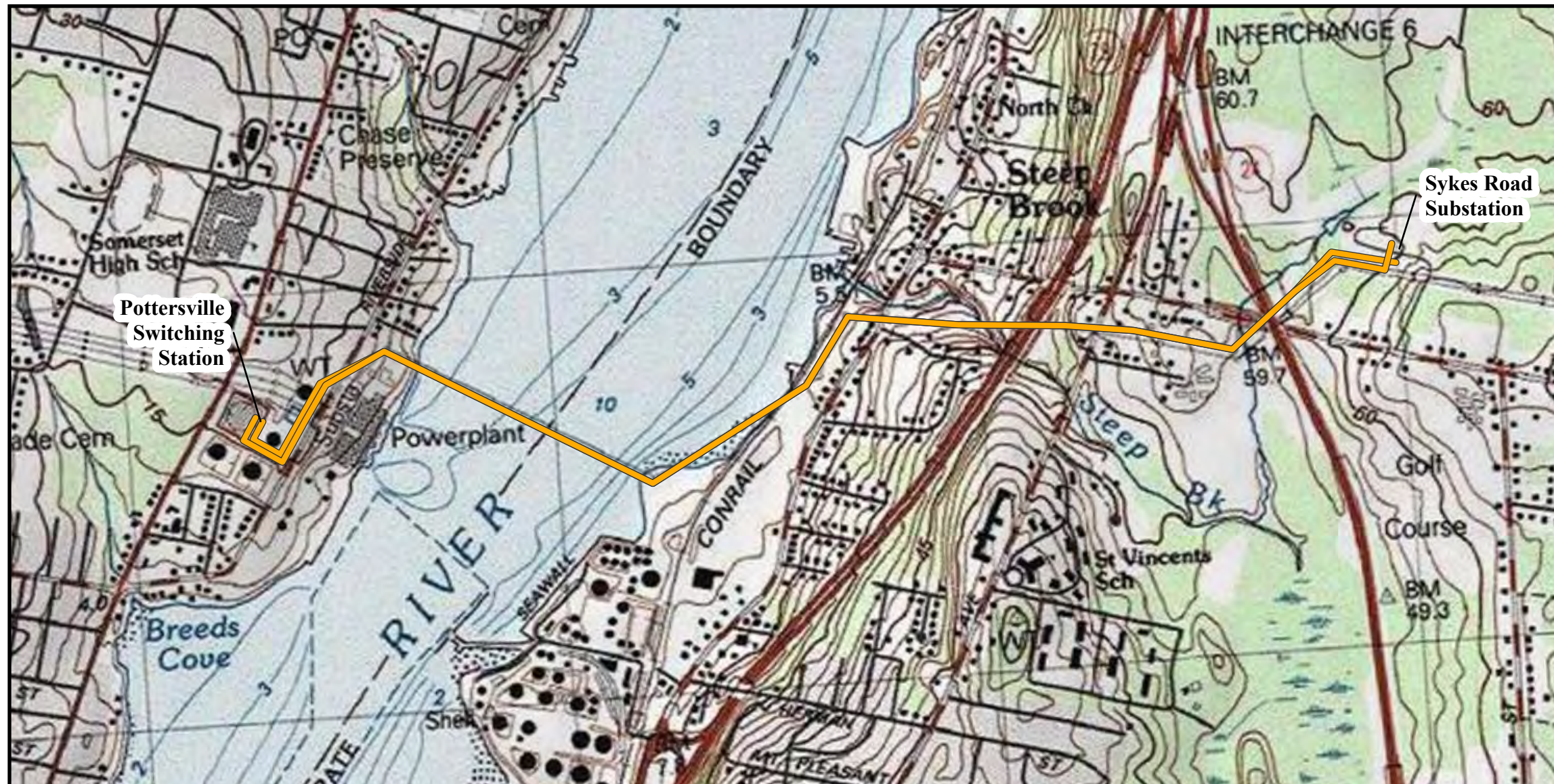


# N12/M13 Double Circuit Tower Separation Project

Somerset and Fall River, Massachusetts

## Volume II - Figures

nationalgrid



Prepared For:

New England Power Company  
40 Sylvan Road  
Waltham, MA 02451

Compiled By:

POWER Engineers Consulting, PC  
2 Hampshire Street, Suite 301  
Foxborough, MA 02035

July 2022

1:12,000

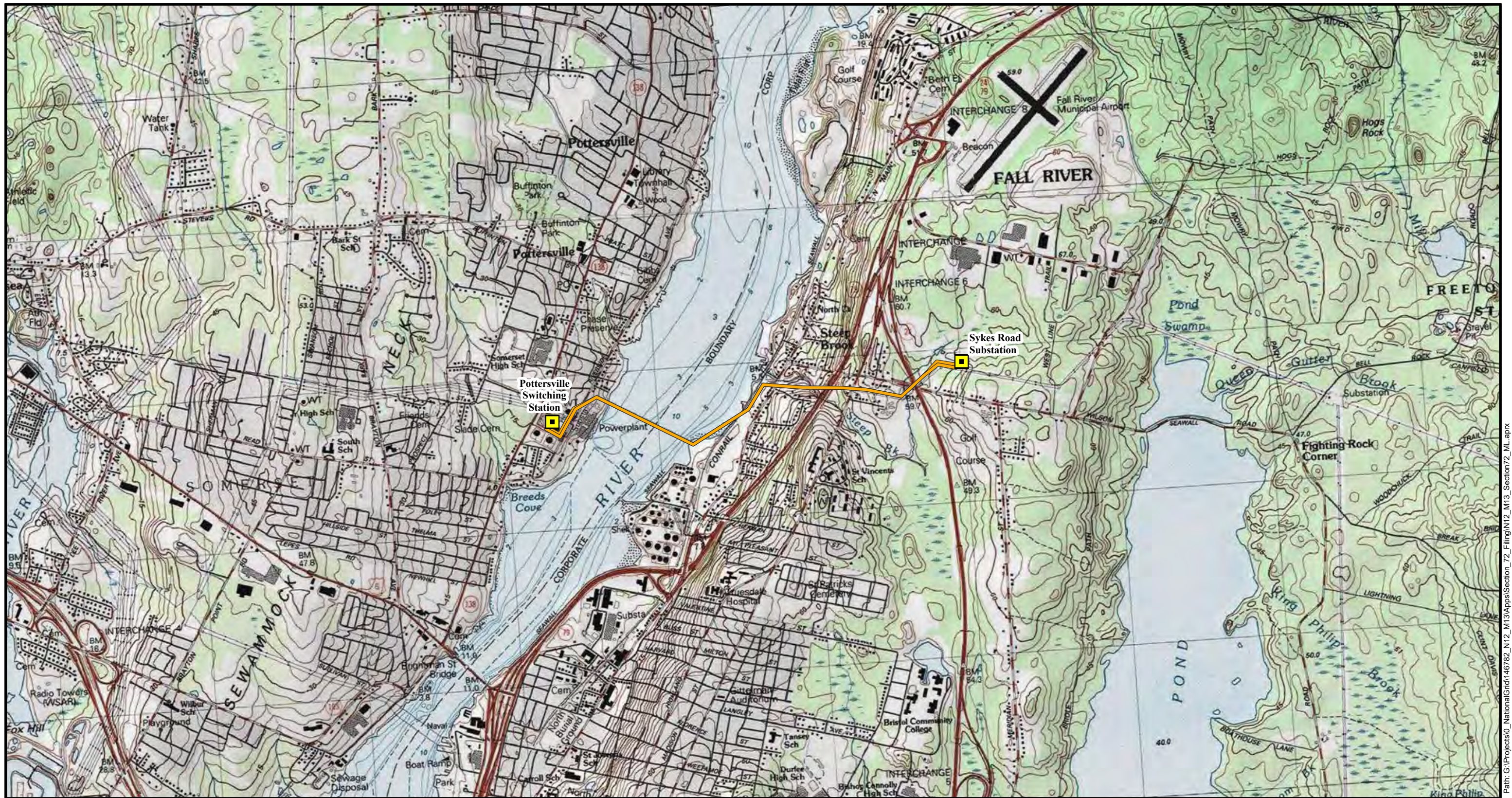
— National Grid ROW

This document has been reviewed for Critical Energy Infrastructure Information (CEII), July 2022

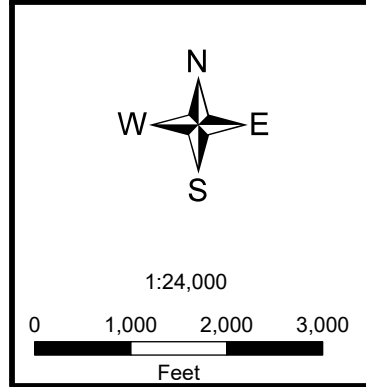


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- Existing Station
- Existing N12/M13 ROW

**N12/M13 Double Circuit  
Tower Separation Project**

Figure 1-1  
USGS Locus Map

Date: 7/28/2022      Author: ML



Commonwealth of Massachusetts  
Bristol County

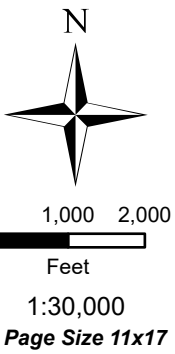
NAD 1983 UTM Zone 18N USFT

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- Legend**
- Substation
  - Potential Switching Station
  - Horizontal Directional Drill
  - Underground Line Segment
  - Existing Transmission Line



**N12/M13 Double Circuit Tower Separation Project**  
**Figure 3-1: Undersea Cable Alternative (New Line and Switching Station)**

State of Rhode Island  
Towns of Bristol and Portsmouth

Base Data: ESRI Streetmap North America 2016; The National Hydrography Dataset (NHD); Google Earth Imagery 2021



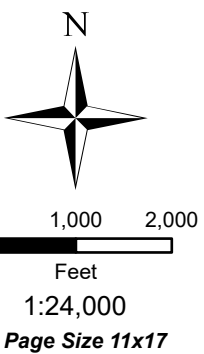


### N12/M13 Double Circuit Tower Separation Project

### Figure 3-2: Undersea Cable Alternative (F184 Line Reconductoring)

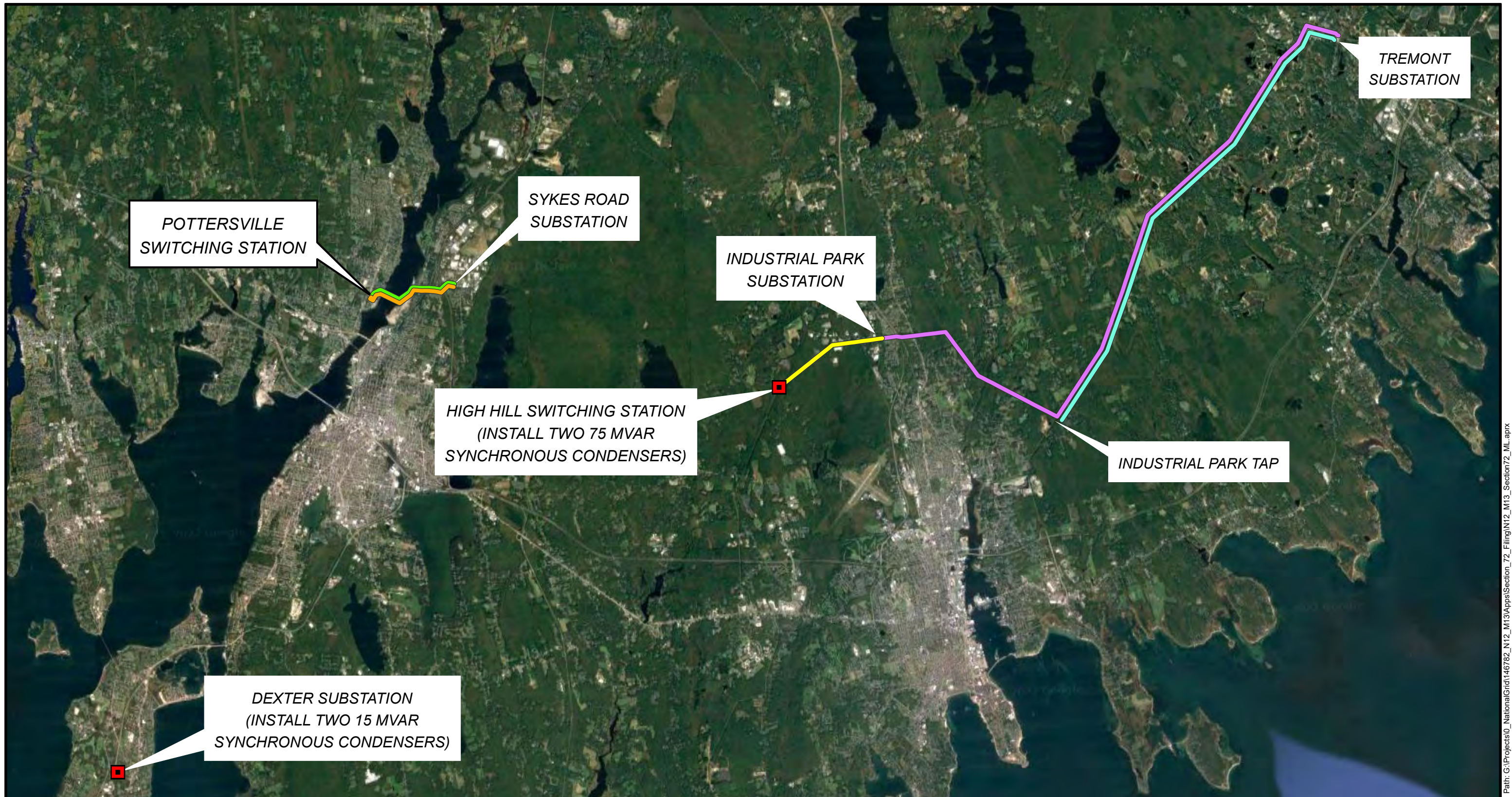
State of Rhode Island  
Towns of Bristol and Warren

Base Data: ESRI Streetmap North America 2016; The National Hydrography Dataset (NHD); Google Earth Imagery 2021





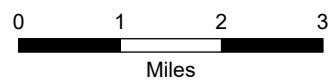




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- Synchronous Condenser
- Reconductoring of Line Segments
- Line M13 (NEP) (1.93 miles)
- Line N12 (NEP) (1.93 miles)

- Line 111 (Eversource) (2.4 miles)
- Line 112 (Eversource) (14.36 miles)
- Line 114 (Eversource) (10.48 miles)

**N12/M13 Double Circuit Tower Separation Project**

Figure 3-3 Hybrid Solution

Date: 7/13/2022

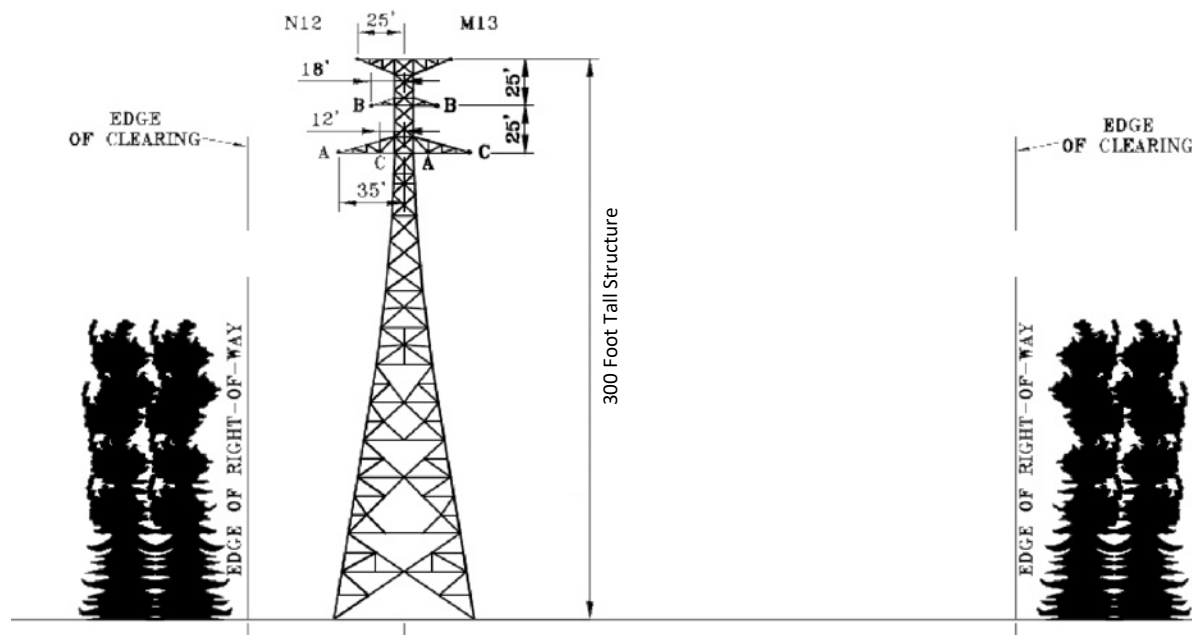
Author: ML



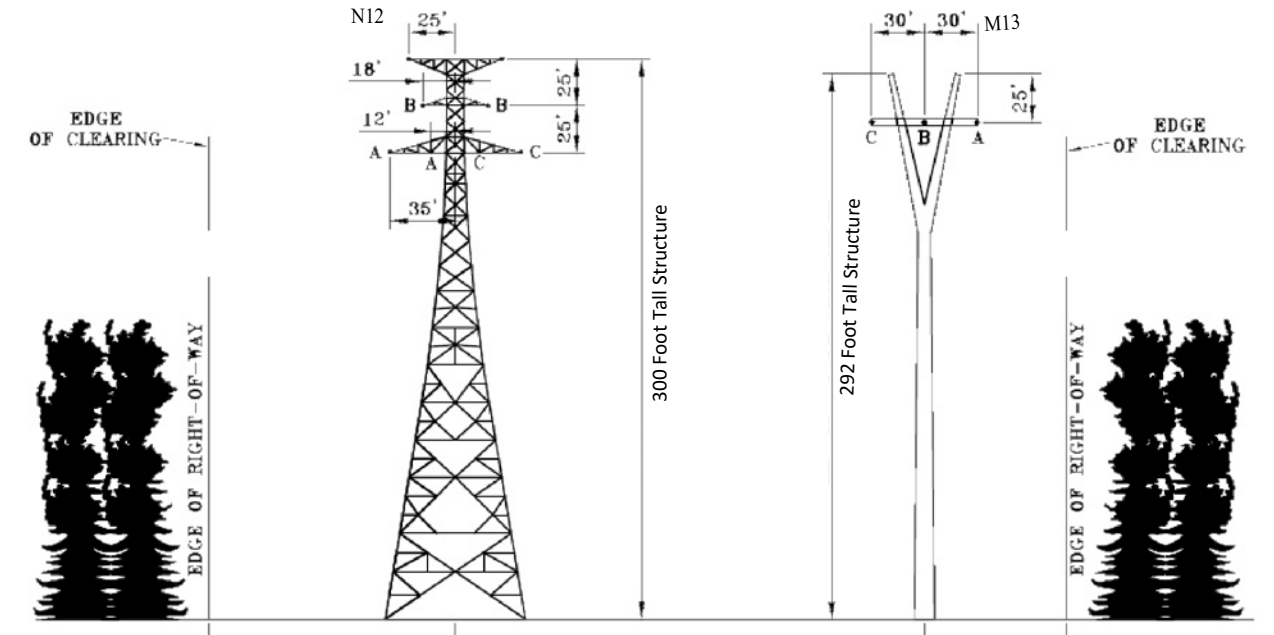
Commonwealth of Massachusetts and State of Rhode Island  
Bristol County, MA and Newport County, RI  
NAD 1983 UTM Zone 18N USFt





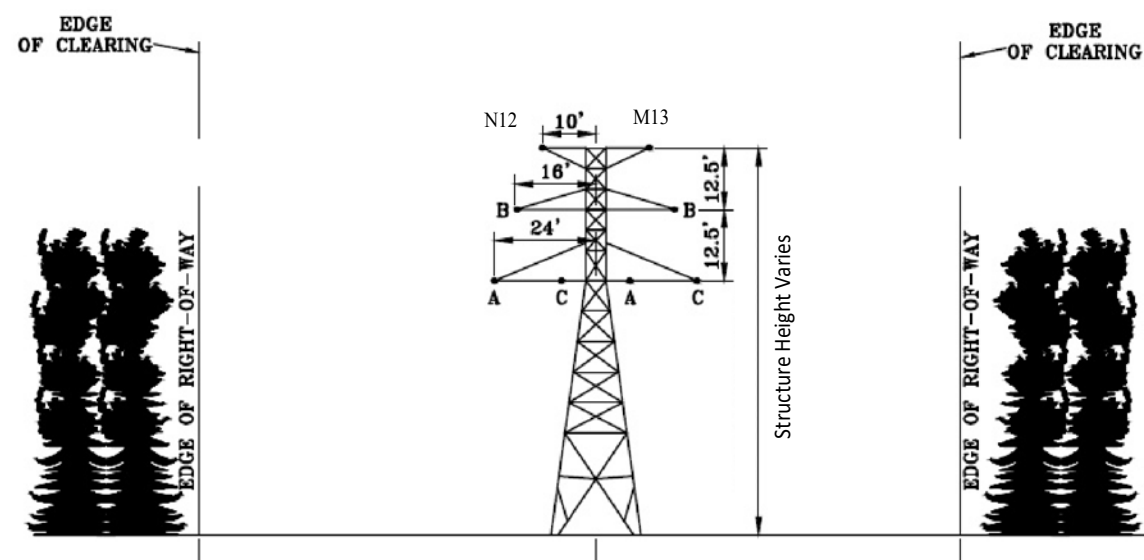


Existing Conditions View

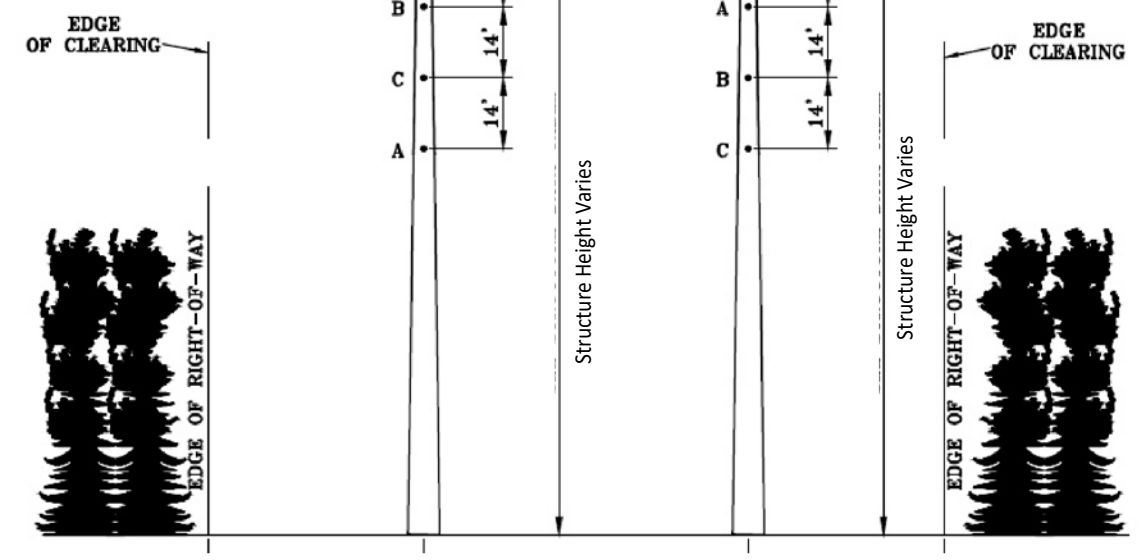


River Crossing Structures, View to the East

Proposed Conditions View



Existing Conditions View



Tangent Transmission Structures, View to the East

Proposed Conditions View



**N12/M13 Double Circuit Tower Separation Project**

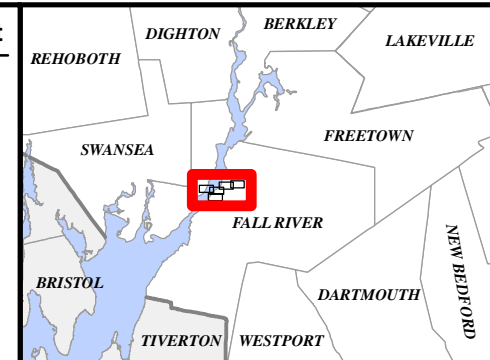
Figure 4-1

Typical ROW Cross Sections

New England Power Company

Date: 7/15/2022

Author: TDH



Commonwealth of Massachusetts

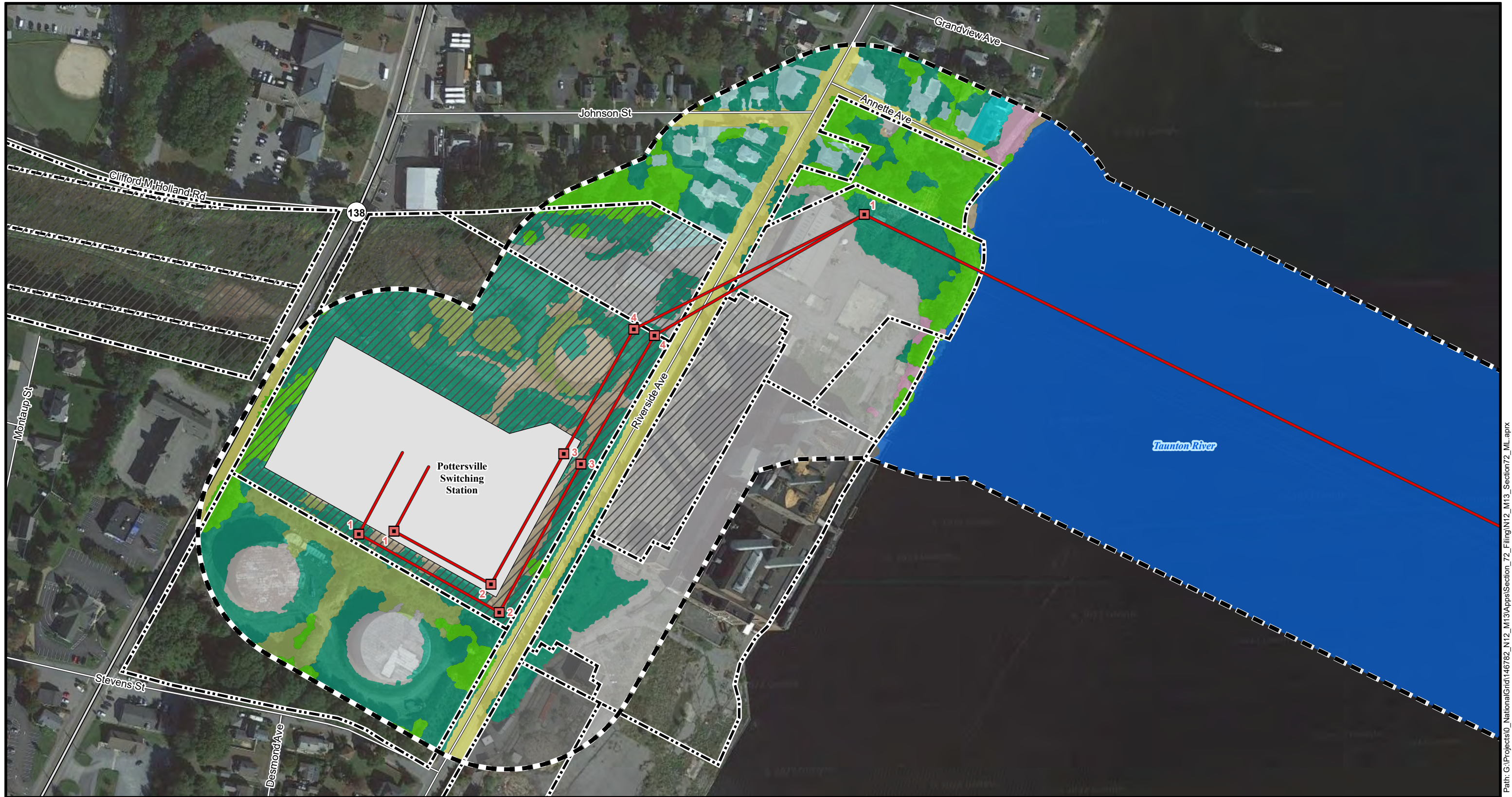
Bristol County:  
City of Fall River

NAD 1983 UTM Zone 18N USFT

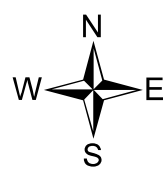


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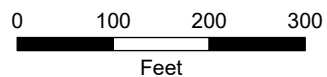




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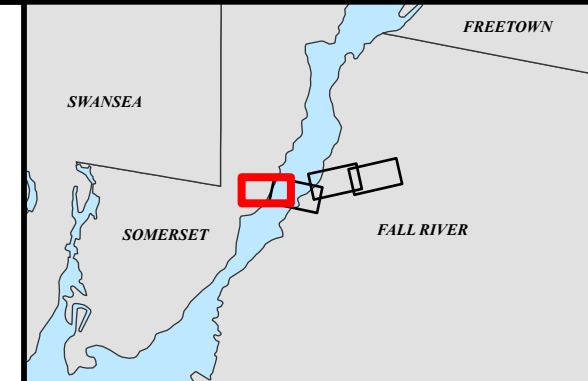
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|--|---|---|

**N12/M13 Double Circuit  
Tower Separation Project**

Figure 4-2 A  
Land Use Map Existing Conditions  
Page 1 of 4

Date: 7/19/2022

Author: ML



Commonwealth of Massachusetts  
Bristol County:  
Somerset  
NAD 1983 UTM Zone 18N USFt



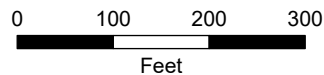




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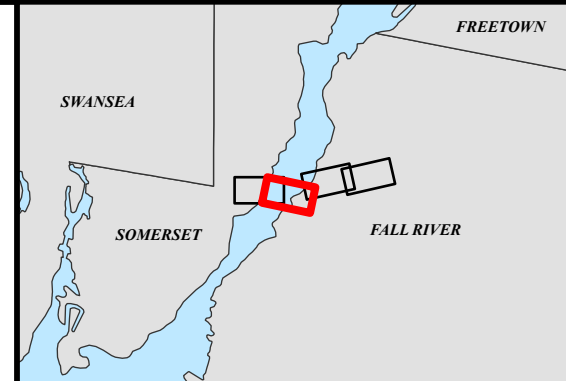


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| <ul style="list-style-type: none"> <li> Existing Structure</li> <li> Existing N12/M13 Lines</li> <li> Study Area (300 feet)</li> <li> National Grid Owned Land</li> <li> Existing Right of Way</li> <li> Railroad</li> <li> Local Road</li> </ul> | <p>Land Use (2016)</p> <ul style="list-style-type: none"> <li> Bare Land</li> <li> Deciduous Forest</li> <li> Developed Open Space</li> <li> Evergreen Forest</li> <li> Grassland</li> <li> Industrial</li> <li> Other Impervious</li> </ul> | <ul style="list-style-type: none"> <li> Residential - Multi-Family</li> <li> Residential - Single Family</li> <li> Right-of-way</li> <li> Saltwater Wetland</li> <li> Scrub/Shrub</li> <li> Unconsolidated Shore</li> <li> Water</li> </ul> |
|---|--|---|

**N12/M13 Double Circuit  
Tower Separation Project**  
 Figure 4-2 A  
 Land Use Map Existing Conditions  
 Page 2 of 4

Date: 7/19/2022

Author: ML



Commonwealth of Massachusetts  
 Bristol County:  
 Fall River  
 NAD 1983 UTM Zone 18N USFt

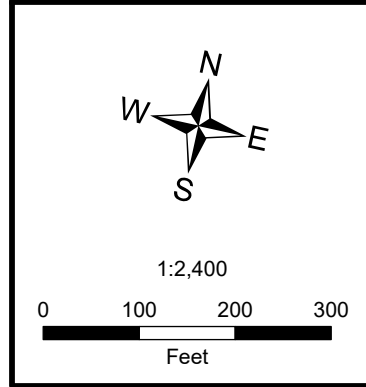








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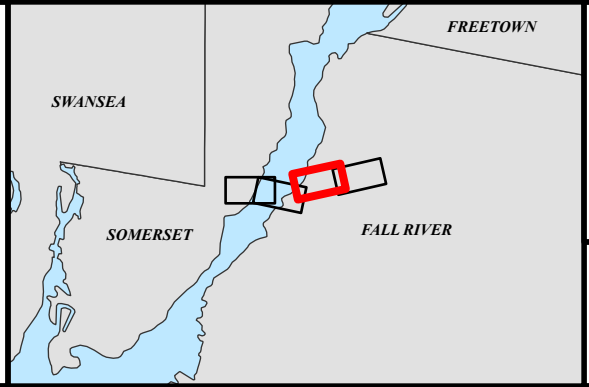


Existing Structure	<b>Land Use (2016)</b>	Other Impervious
Existing N12/M13 Lines	Bare Land	Residential - Multi-Family
Study Area (300 feet)	Commercial	Residential - Single Family
National Grid Owned Land	Deciduous Forest	Right-of-way
Existing Right of Way	Developed Open Space	Saltwater Wetland
Railroad	Evergreen Forest	Scrub/Shrub
US or State Highway	Forested Wetland	Unconsolidated Shore
Local Road	Grassland	Water
Perennial Stream (NHD)	Industrial	
	Non-forested Wetland	

**N12/M13 Double Circuit  
Tower Separation Project**

Figure 4-2 A  
Land Use Map Existing Conditions  
Page 3 of 4

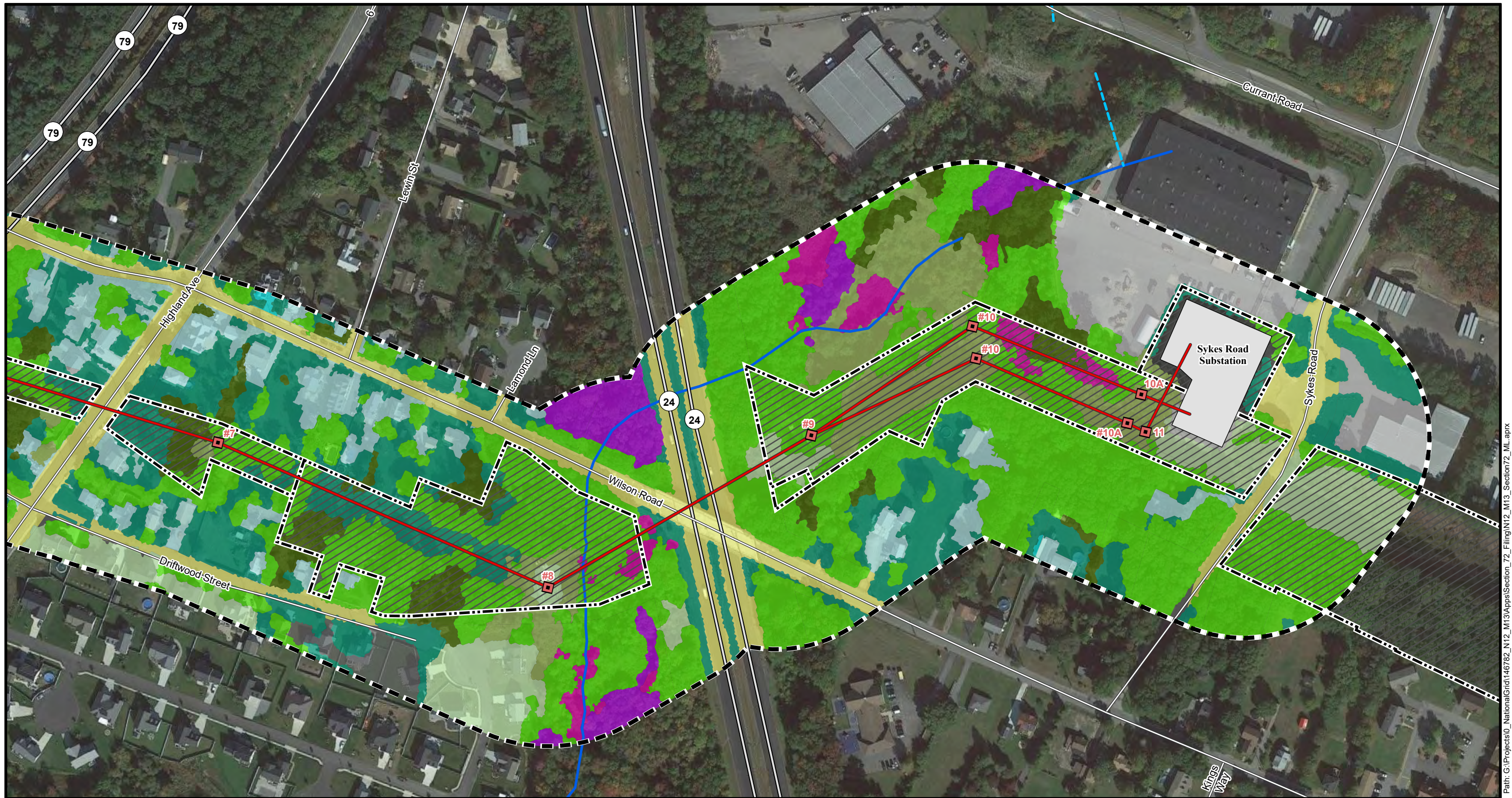
Date: 7/19/2022      Author: ML



Commonwealth of Massachusetts  
Bristol County:  
Fall River  
NAD 1983 UTM Zone 18N USFt

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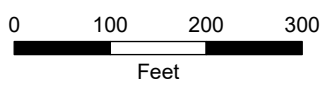




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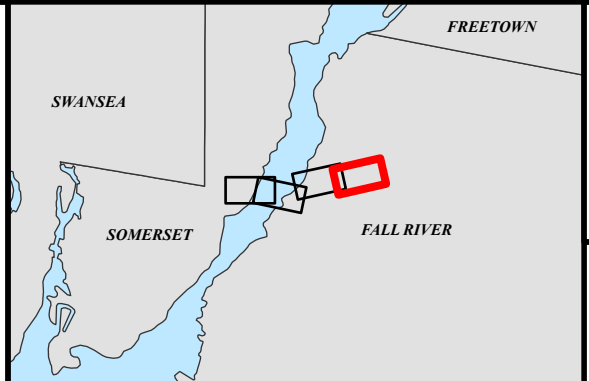
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|--|---|--|
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|--|---|--|

### N12/M13 Double Circuit Tower Separation Project

Figure 4-2 A  
Land Use Map Existing Conditions  
Page 4 of 4

Date: 7/19/2022

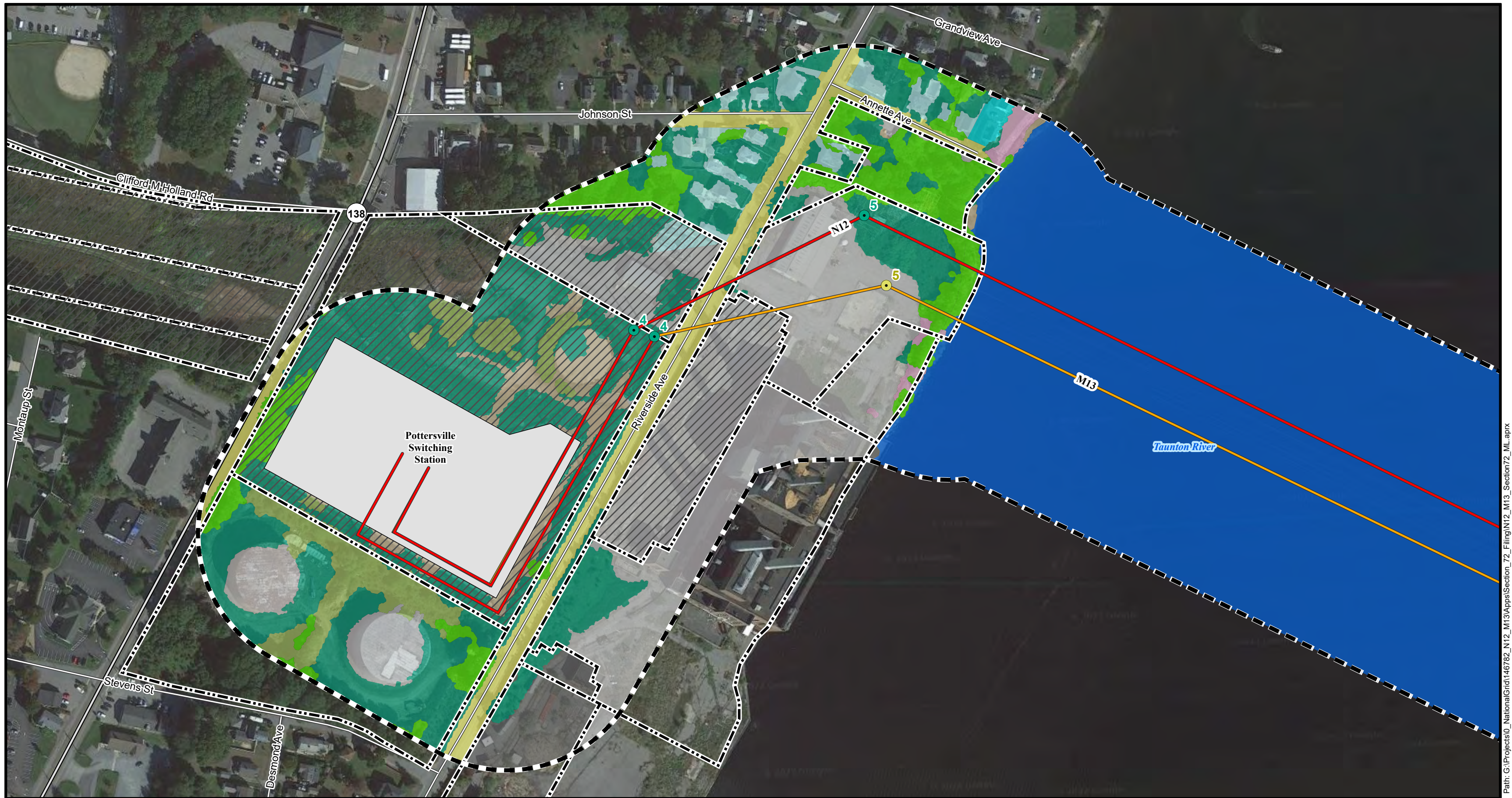
Author: ML



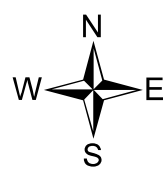
Commonwealth of Massachusetts  
Bristol County:  
Fall River  
NAD 1983 UTM Zone 18N USFt



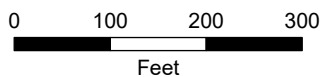




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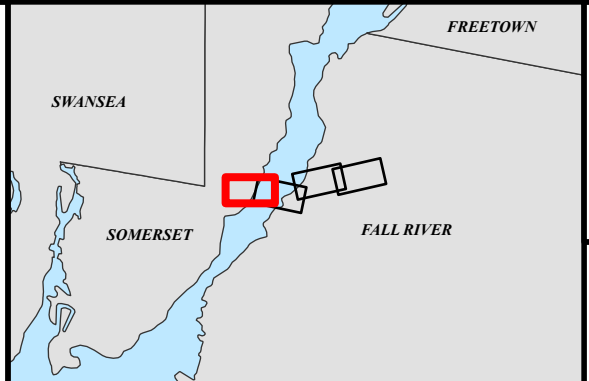
Proposed or Replacement Structure	Existing Station	Industrial
Existing Structure To Be Retained	US or State Highway	Other Impervious
Existing Transmission Line	Local Road	Residential - Multi-Family
Proposed Overhead Line	<b>Land Use (2016)</b>	Residential - Single Family
Study Area (300 feet)	Bare Land	Right-of-way
National Grid Owned Land	Deciduous Forest	Saltwater Wetland
Existing Right of Way	Developed Open Space	Scrub/Shrub
	Evergreen Forest	Water

**N12/M13 Double Circuit  
Tower Separation Project**

Figure 4-2 B  
Land Use Map Proposed Conditions  
Page 1 of 4

Date: 7/28/2022

Author: ML



Commonwealth of Massachusetts  
Bristol County:  
Somerset  
NAD 1983 UTM Zone 18N USFt



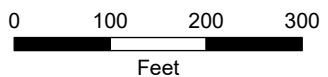




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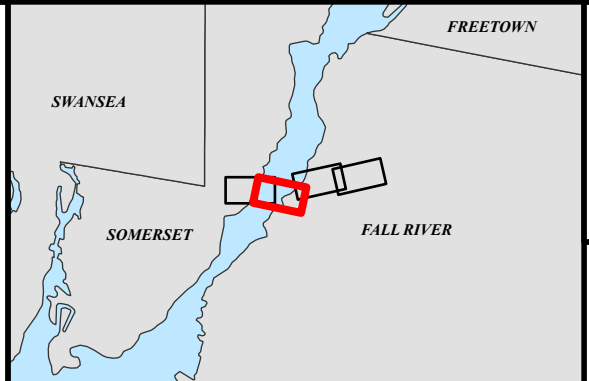


Proposed or Replacement Structure	Railroad	Other Impervious
Existing Structure To Be Retained	Local Road	Residential - Multi-Family
Existing Transmission Line	<b>Land Use (2016)</b>	Residential - Single Family
Proposed Overhead Line	Bare Land	Right-of-way
Study Area (300 feet)	Deciduous Forest	Saltwater Wetland
National Grid Owned Land	Developed Open Space	Scrub/Shrub
Existing Right of Way	Evergreen Forest	Unconsolidated Shore
	Grassland	Water
	Industrial	

**N12/M13 Double Circuit Tower Separation Project**  
 Figure 4-2 B  
 Land Use Map Proposed Conditions  
 Page 2 of 4

Date: 7/28/2022

Author: ML

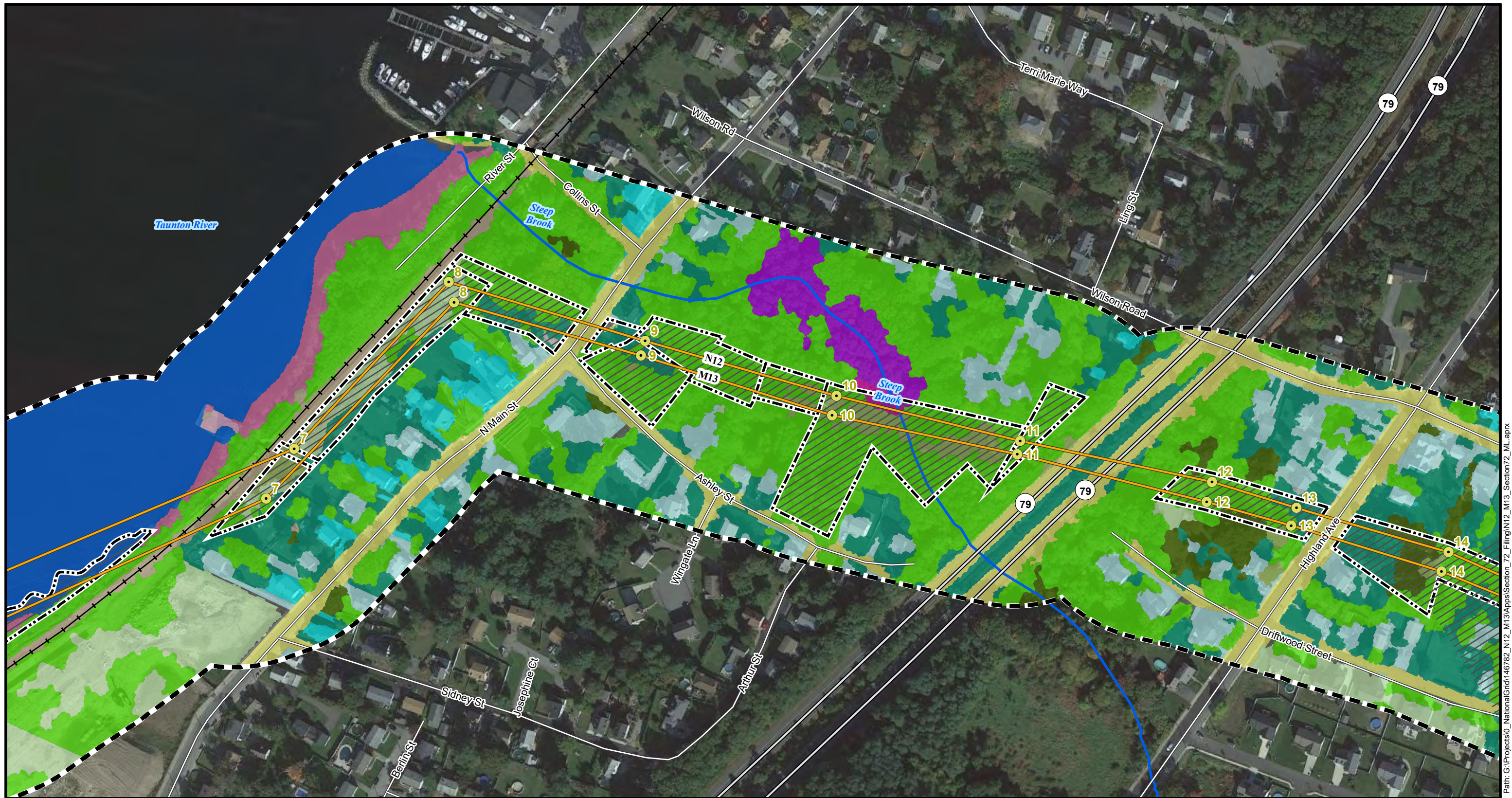


Commonwealth of Massachusetts  
 Bristol County:  
 Fall River  
 NAD 1983 UTM Zone 18N USFt

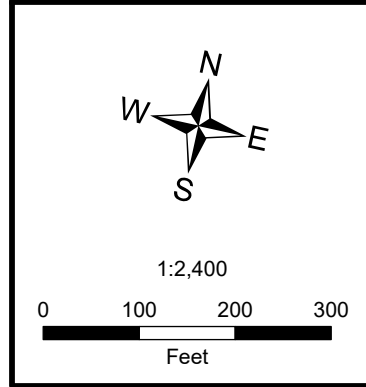








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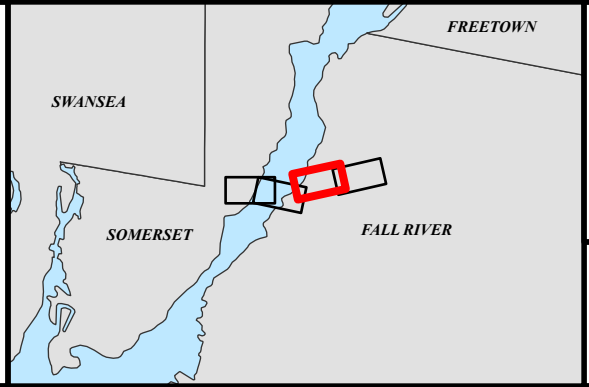


<ul style="list-style-type: none"> <li> Proposed or Replacement Structure</li> <li> Proposed Overhead Line</li> <li> Study Area (300 feet)</li> <li> National Grid Owned Land</li> <li> Existing Right of Way</li> <li> Railroad</li> <li> US or State Highway</li> <li> Local Road</li> </ul>	<ul style="list-style-type: none"> <li> Perennial Stream (NHD)</li> </ul> <p>Land Use (2016)</p> <ul style="list-style-type: none"> <li> Bare Land</li> <li> Commercial</li> <li> Deciduous Forest</li> <li> Developed Open Space</li> <li> Evergreen Forest</li> <li> Forested Wetland</li> <li> Grassland</li> <li> Industrial</li> </ul>	<ul style="list-style-type: none"> <li> Non-forested Wetland</li> <li> Other Impervious</li> <li> Residential - Multi-Family</li> <li> Residential - Single Family</li> <li> Right-of-way</li> <li> Saltwater Wetland</li> <li> Scrub/Shrub</li> <li> Unconsolidated Shore</li> <li> Water</li> </ul>
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**N12/M13 Double Circuit  
Tower Separation Project**

Figure 4-2 B  
Land Use Map Proposed Conditions  
Page 3 of 4

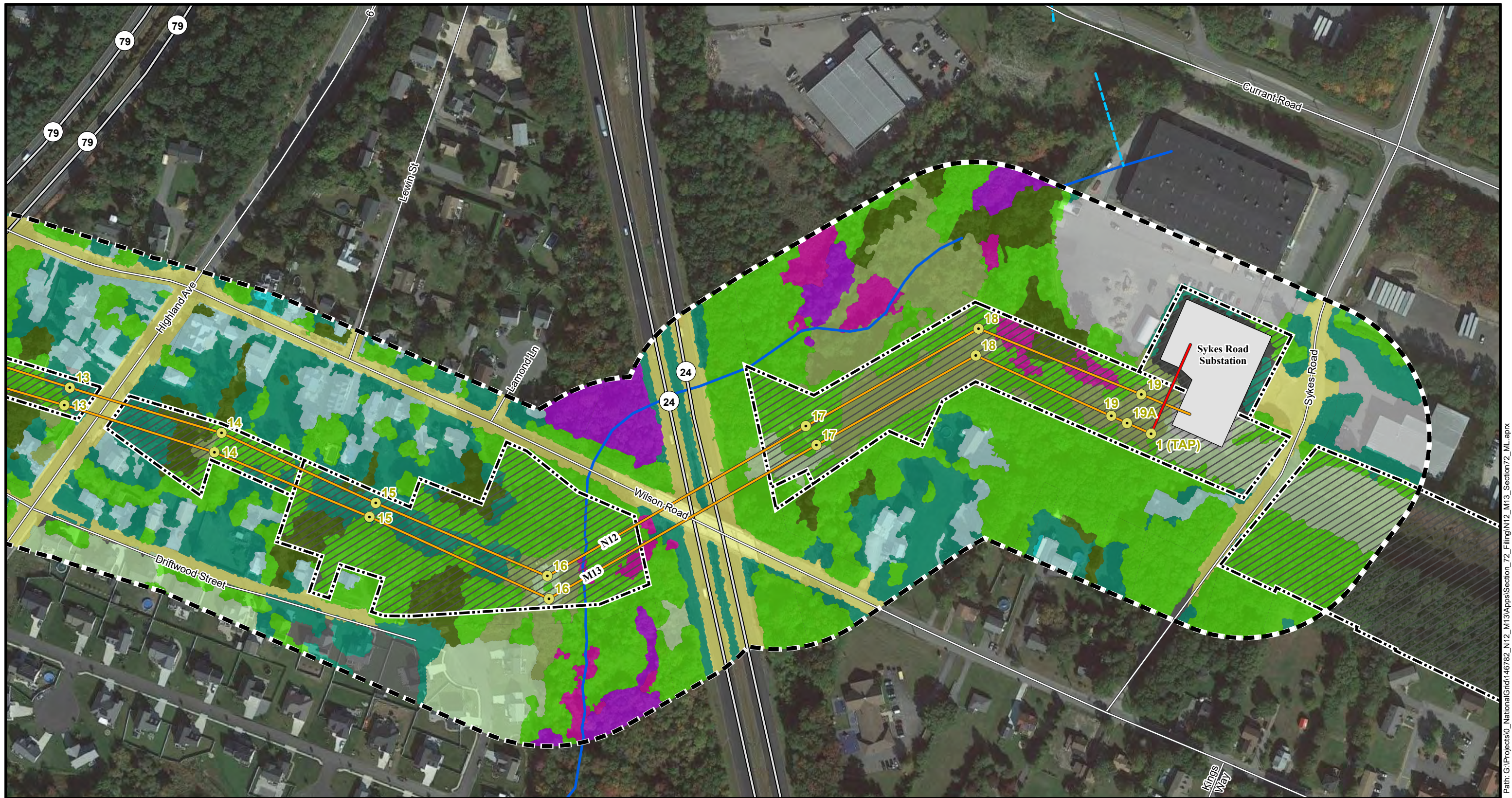
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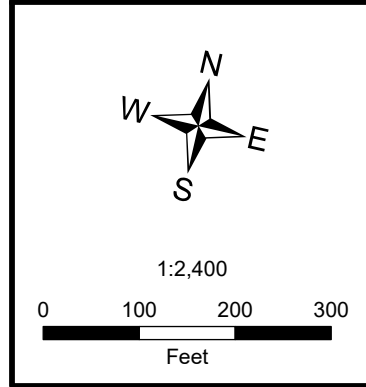
Commonwealth of Massachusetts  
Bristol County:  
Fall River  
NAD 1983 UTM Zone 18N USFt

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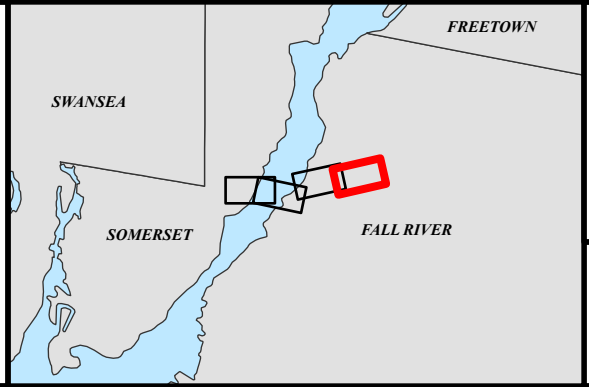


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**N12/M13 Double Circuit  
Tower Separation Project**

Figure 4-2 B  
Land Use Map Proposed Conditions  
Page 4 of 4

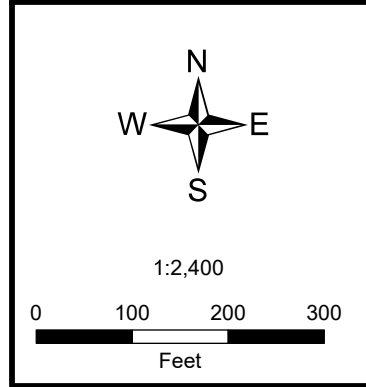
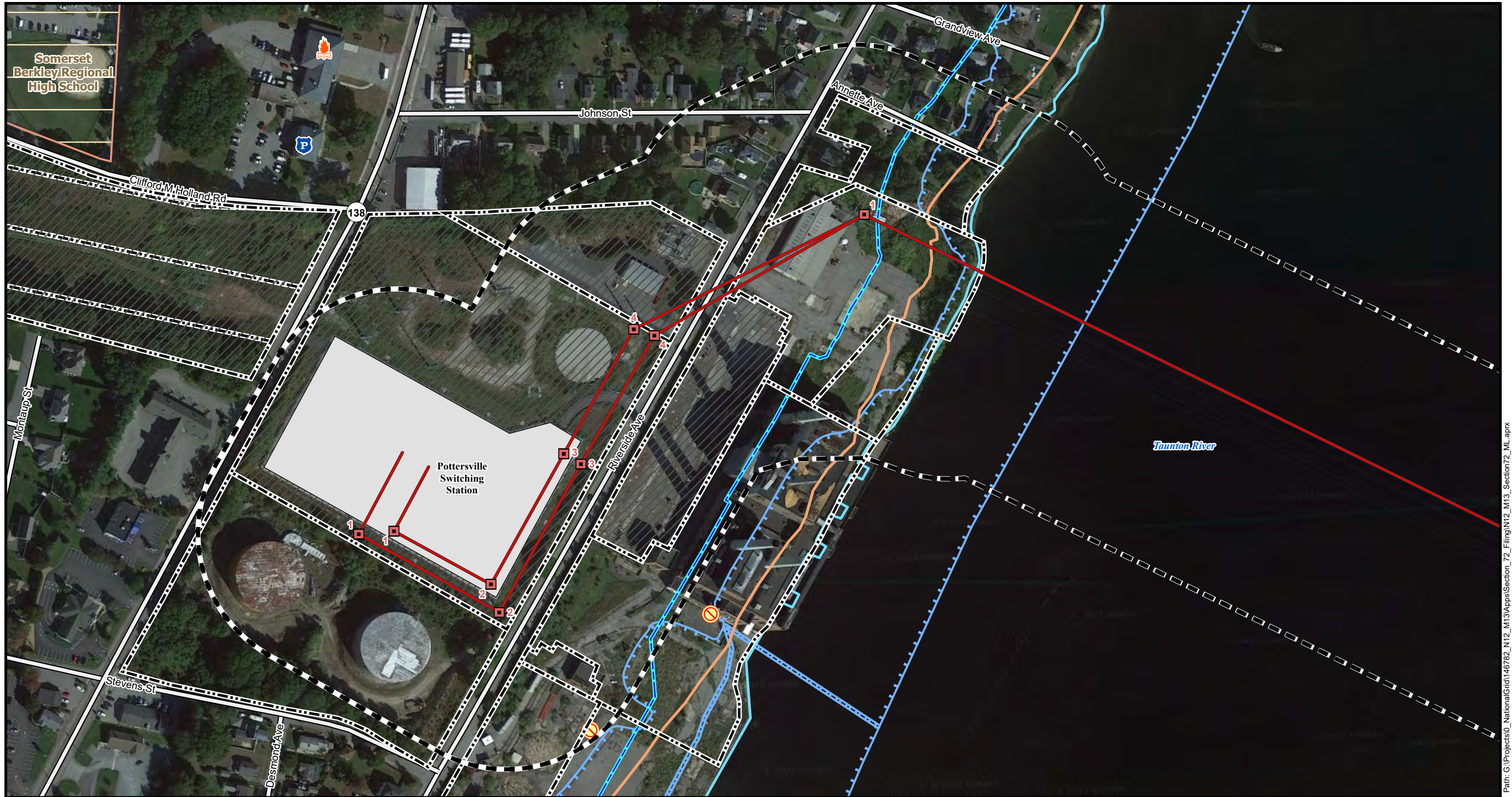
Date: 7/28/2022      Author: ML



Commonwealth of Massachusetts  
Bristol County:  
Fall River  
NAD 1983 UTM Zone 18N USFt

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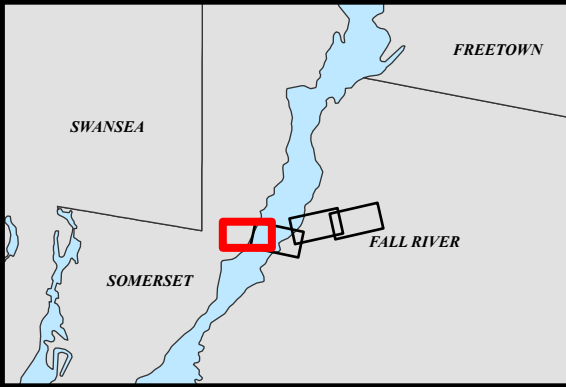




Existing Structure	Fire Station
Existing N12/M13 Lines	Police Station
Study Area (300 feet)	Jurisdiction (Tidelands Jurisdiction - Ch 91)
National Grid Owned Land	Historic High Water (Tidelands Jurisdiction - Ch 91)
Existing Right of Way	Field GPS Survey Line
Existing Station	Mean Annual High Water Line
Road	Riverfront Area
MassDEP Oil and/or Hazardous Material Sites with Activity and Use Limitations	FEMA Flood Hazard (DFIRM 100yr)
	Other Protected Lands

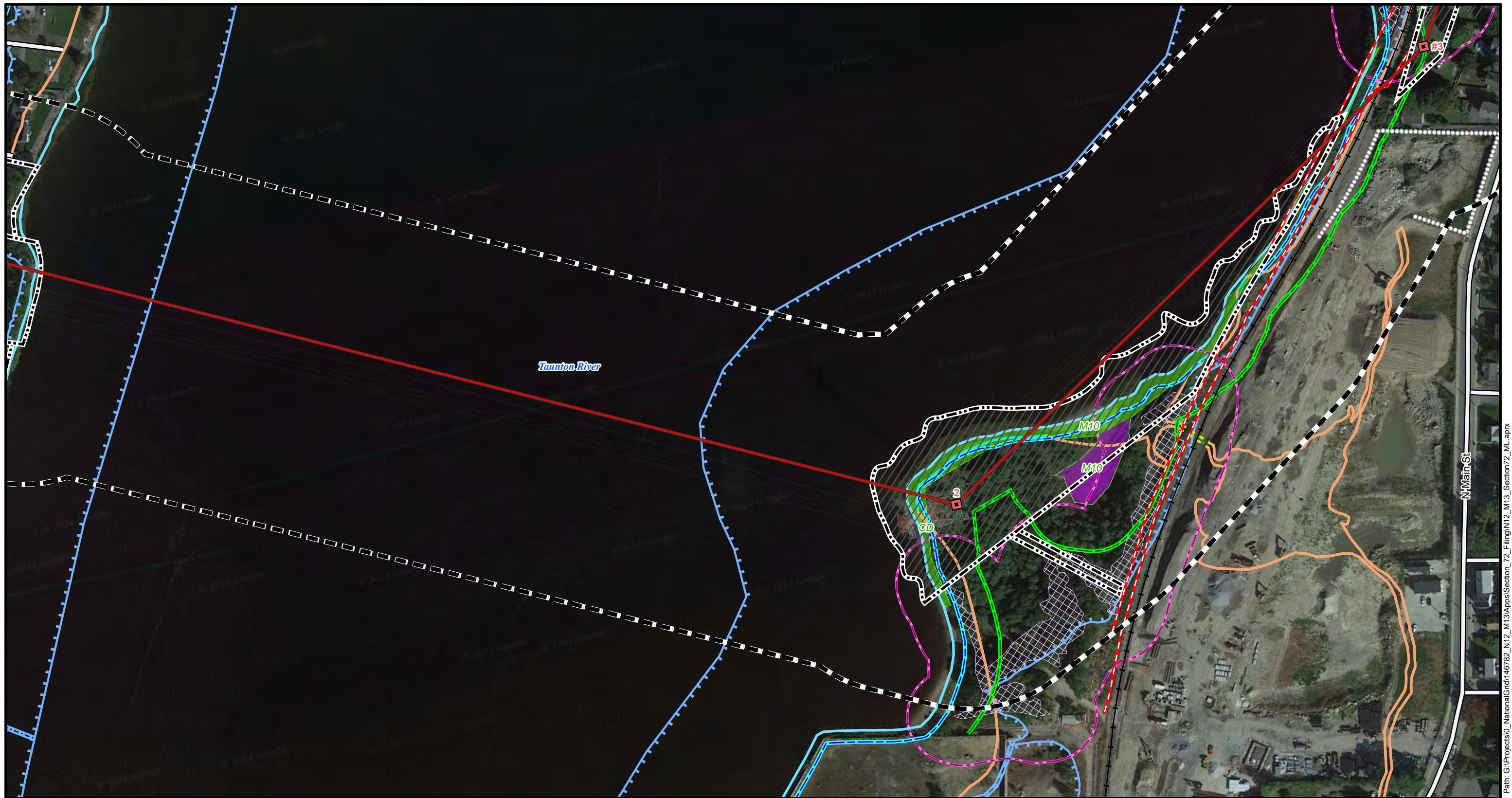
**N12/M13 Double Circuit  
Tower Separation Project**  
 Figure 4-3A  
 Environmental Resources Map  
 Existing Conditions  
 Page 1 of 4

Date: 7/19/2022      Author: ML



Commonwealth of Massachusetts  
 Bristol County:  
 Somerset  
 NAD 1983 UTM Zone 18N

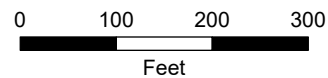




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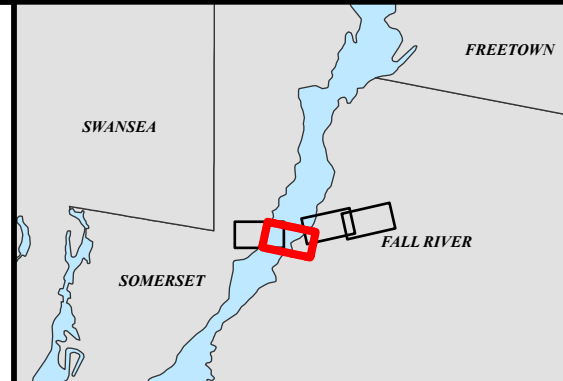


- Existing Structure
- Existing N12/M13 Lines
- Study Area (300 feet)
- National Grid Owned Land
- Existing Right of Way
- Approximate Pipeline Location
- Railroad
- Road
- Public Way (Tidelands Jurisdiction - Ch 91)
- Historic High Water (Tidelands Jurisdiction - Ch 91)
- Inferred Historic High Water (Tidelands Jurisdiction - Ch 91)
- Contemporary High Water (Tidelands Jurisdiction - Ch 91)
- Field GPS Survey Line
- Stone Wall
- Wetland Border
- Mean Annual High Water Line
- Coastal Bank 100ft Buffer
- Riverfront Area
- 100 ft Buffer Wetland
- FEMA Flood Hazard (DFIRM 100yr)
- Field Delineated Wetland
- Field Delineated Salt Water Marsh
- Delineated Coastal Bank

**N12/M13 Double Circuit  
Tower Separation Project**  
Figure 4-3A  
Environmental Resources Map  
Existing Conditions  
Page 2 of 4

Date: 7/19/2022

Author: ML

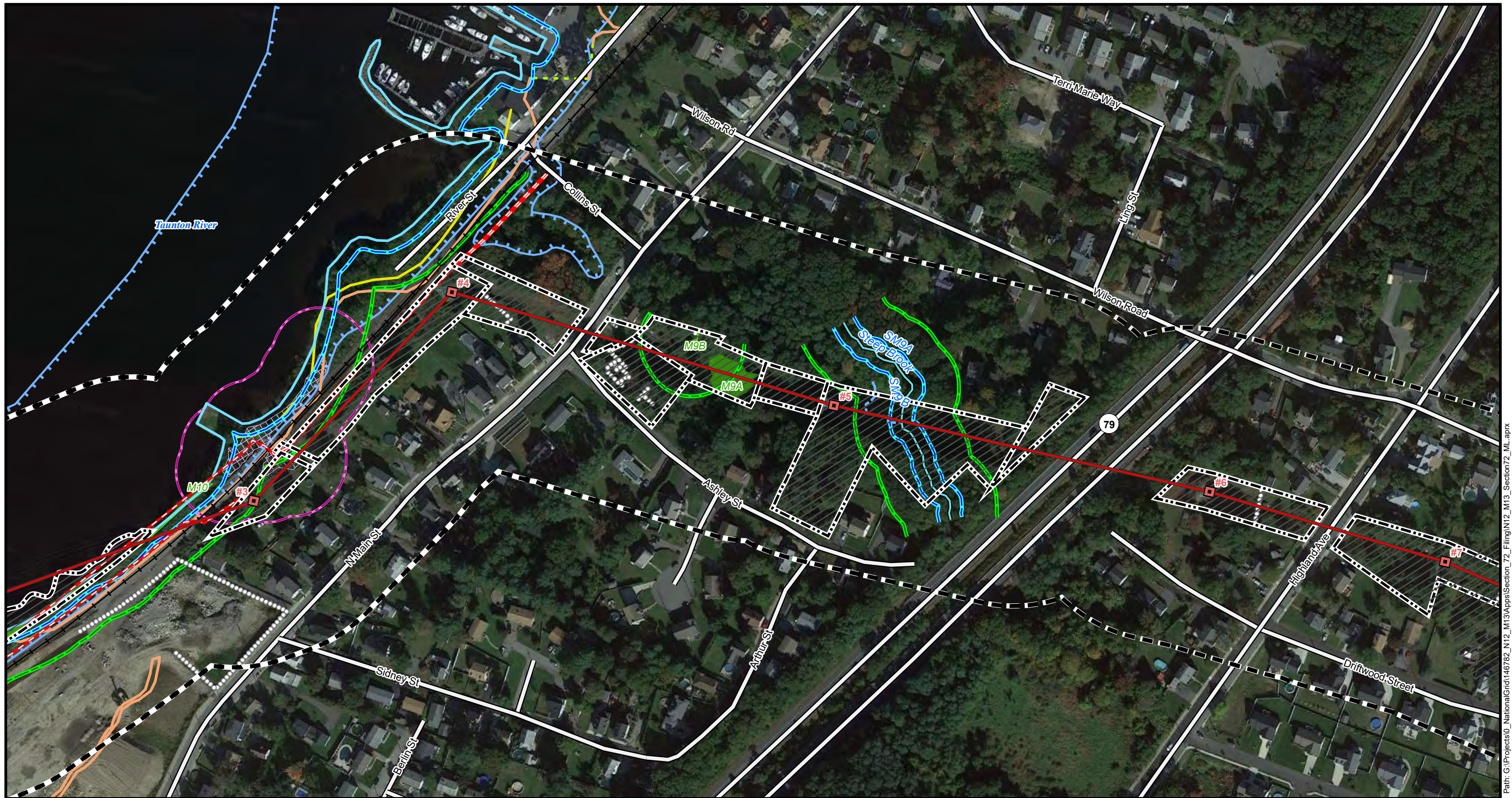


Commonwealth of Massachusetts  
Bristol County:  
Fall River  
NAD 1983 UTM Zone 18N





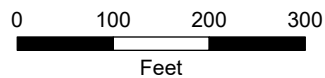




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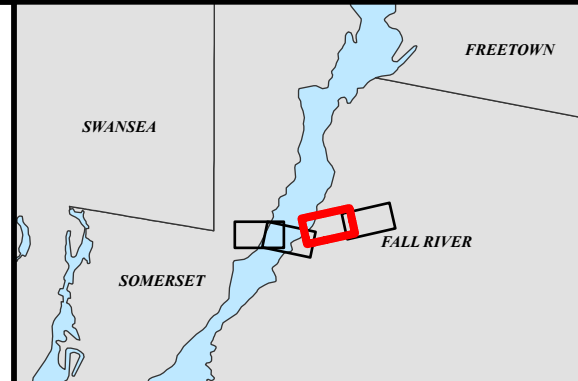


- |                               |   |                                 |
|-------------------------------|---|---------------------------------|
| Existing Structure            | Road  | Perennial Stream or River       |
| Existing N12/M13 Lines        | Jurisdiction (Tidelands Jurisdiction - Ch 91)                 | Mean Annual High Water Line     |
| Study Area (300 feet)         | Historic High Water (Tidelands Jurisdiction - Ch 91)          | Ephemeral Stream                |
| National Grid Owned Land      | Inferred Historic High Water (Tidelands Jurisdiction - Ch 91) | Coastal Bank 100ft Buffer       |
| Existing Right of Way         | Field GPS Survey Line   | Riverfront Area                 |
| Approximate Pipeline Location | Stone Wall  | 100 ft Buffer Wetland           |
| Railroad                      | Wetland Border  | FEMA Flood Hazard (DFIRM 100yr) |
|                               | Isolated Wetland Border                                       | Field Delineated Wetland        |
|                               |   | Delineated Coastal Bank         |

**N12/M13 Double Circuit  
Tower Separation Project**  
Figure 4-3A  
Environmental Resources Map  
Existing Conditions  
Page 3 of 4

Date: 7/19/2022

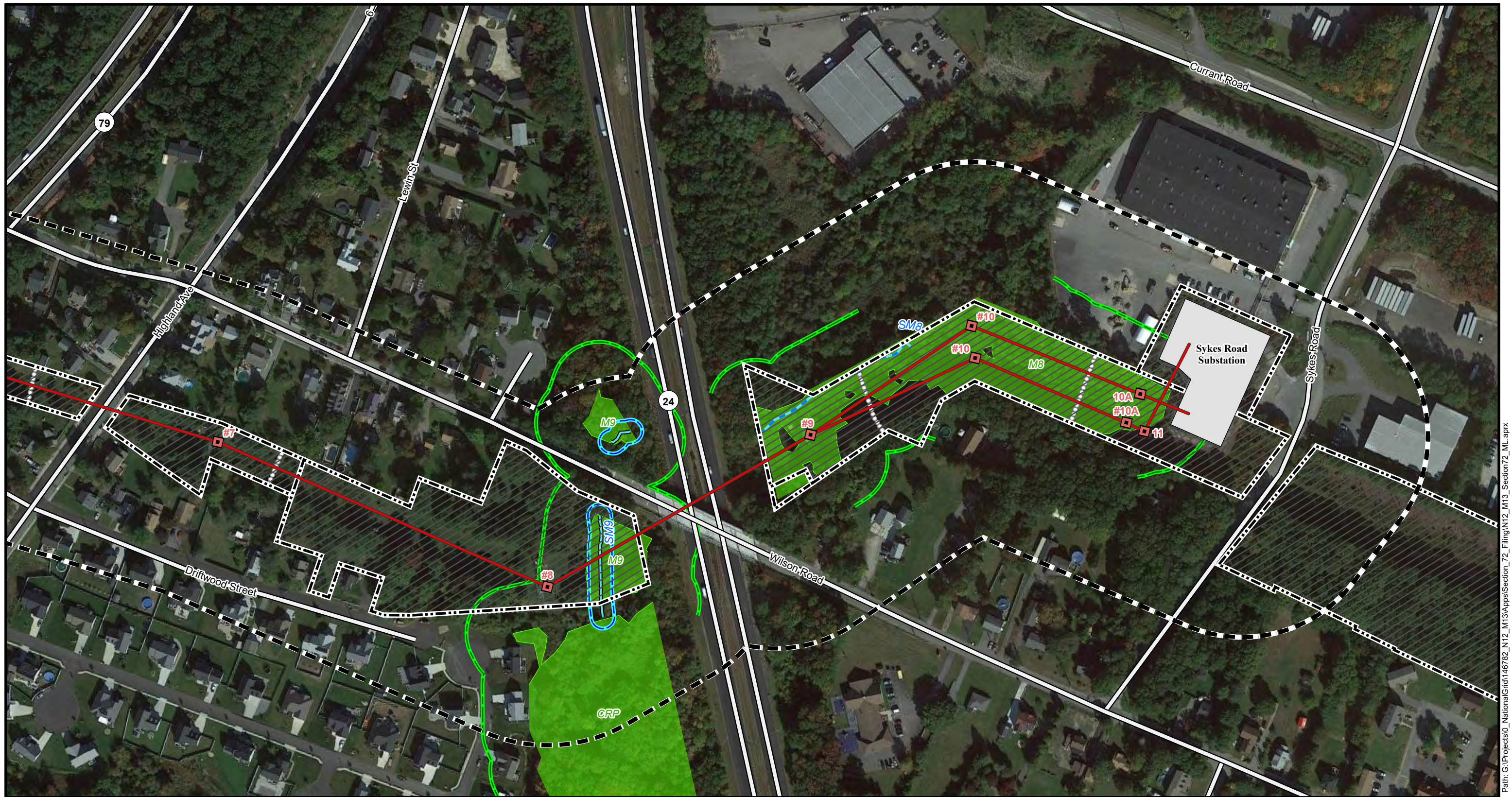
Author: ML



Commonwealth of Massachusetts  
Bristol County:  
Fall River  
NAD 1983 UTM Zone 18N



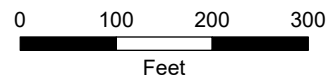




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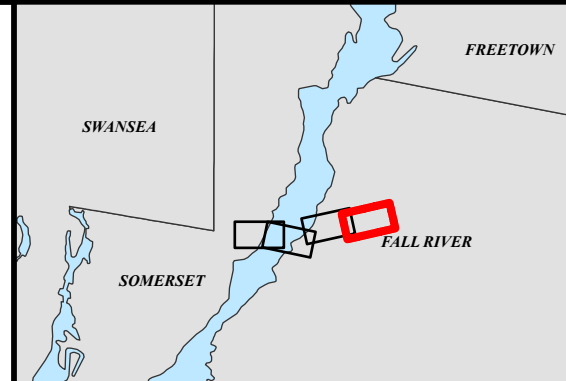


- |                          |                           |
|--------------------------|---------------------------|
| Existing Structure       | Field GPS Survey Line     |
| Existing N12/M13 Lines   | Stone Wall                |
| Study Area (300 feet)    | Wetland Border            |
| National Grid Owned Land | Perennial Stream or River |
| Existing Right of Way    | Intermittent Stream       |
| Existing Station         | Riverfront Area           |
| Road                     | 100 ft Buffer Wetland     |
|                          | Field Delineated Wetland  |

**N12/M13 Double Circuit  
Tower Separation Project**  
Figure 4-3A  
Environmental Resources Map  
Existing Conditions  
Page 4 of 4

Date: 7/19/2022

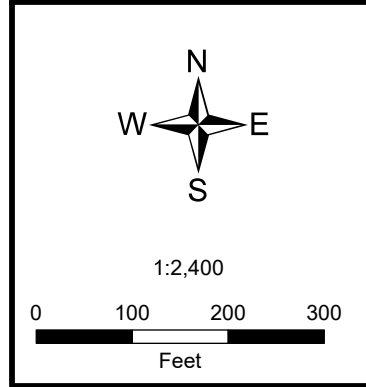
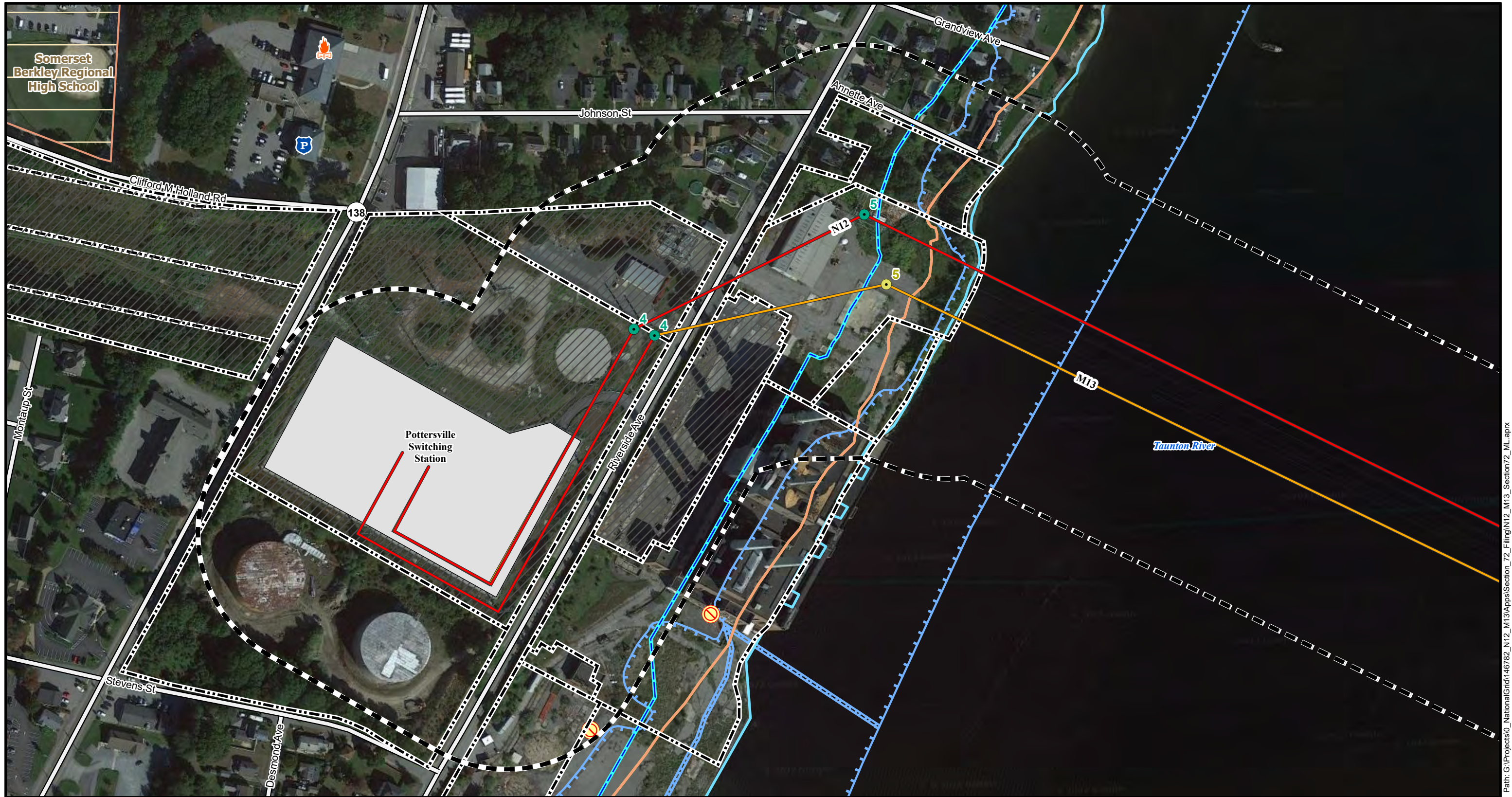
Author: ML



Commonwealth of Massachusetts  
Bristol County:  
Fall River  
NAD 1983 UTM Zone 18N





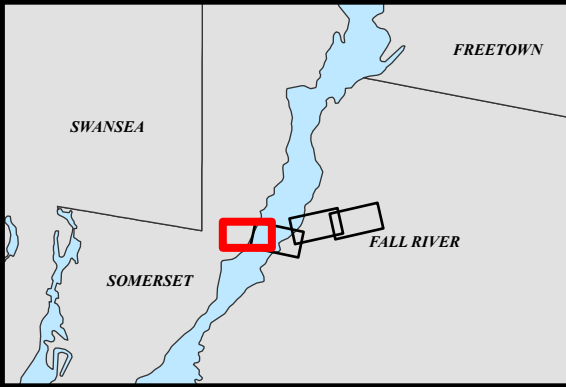


- Proposed or Replacement Structure
- Existing Structure To Be Retained
- Existing Transmission Line
- Proposed Overhead Line
- Study Area (300 feet)
- National Grid Owned Land
- Existing Right of Way
- Existing Station
- Road
- ⊘ MassDEP Oil and/or Hazardous Material Sites with Activity and Use Limitations
- 🔥 Fire Station
- 🚓 Police Station
- Jurisdiction (Tidelands Jurisdiction - Ch 91)
- Historic High Water (Tidelands Jurisdiction - Ch 91)
- Field GPS Survey Line
- Mean Annual High Water Line
- Riverfront Area
- 🌊 FEMA Flood Hazard (DFIRM 100yr)
- Other Protected Lands

**N12/M13 Double Circuit  
Tower Separation Project**

Figure 4-3B  
Environmental Resources Map  
Proposed Conditions  
Page 1 of 4

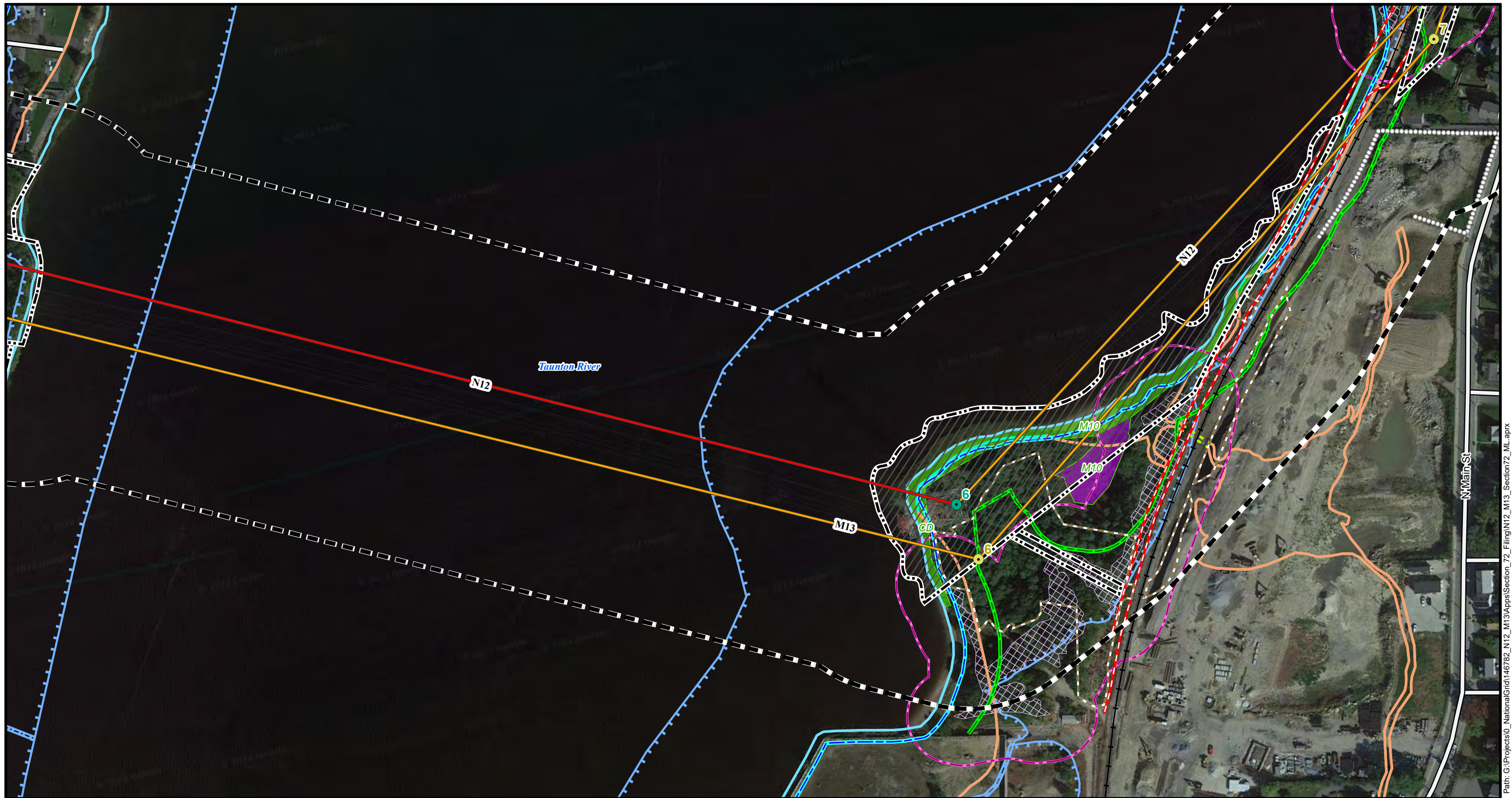
Date: 7/28/2022      Author: ML



Commonwealth of Massachusetts  
Bristol County:  
Somerset  
NAD 1983 UTM Zone 18N

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POWER ENGINEERS

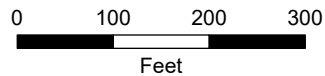




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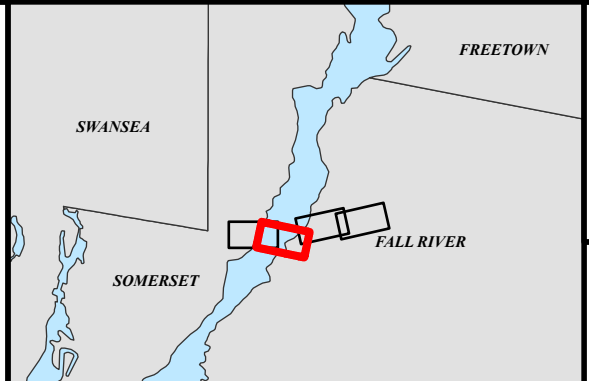


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|---|---|--|
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|---|---|--|

**N12/M13 Double Circuit  
Tower Separation Project**  
Figure 4-3B  
Environmental Resources Map  
Proposed Conditions  
Page 2 of 4

Date: 7/28/2022

Author: ML

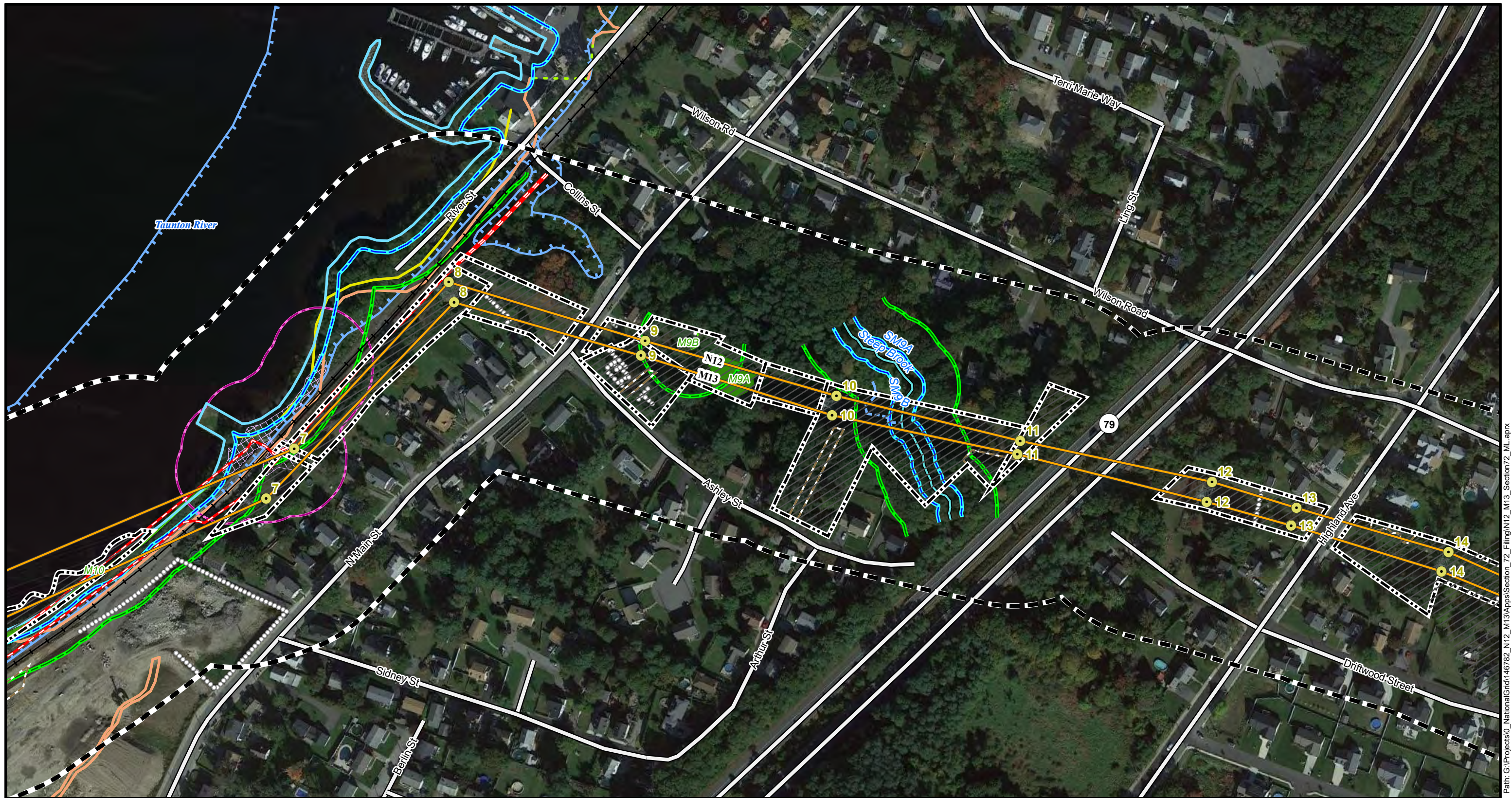


Commonwealth of Massachusetts  
Bristol County:  
Fall River  
NAD 1983 UTM Zone 18N

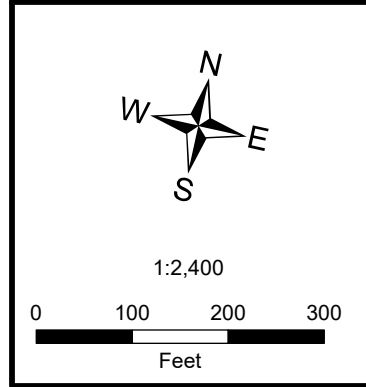








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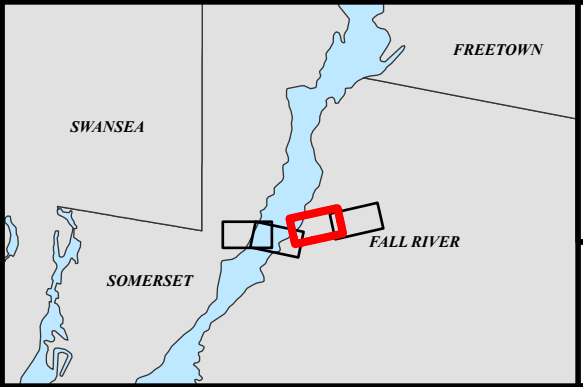


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**N12/M13 Double Circuit  
Tower Separation Project**

Figure 4-3B  
Environmental Resources Map  
Proposed Conditions  
Page 3 of 4

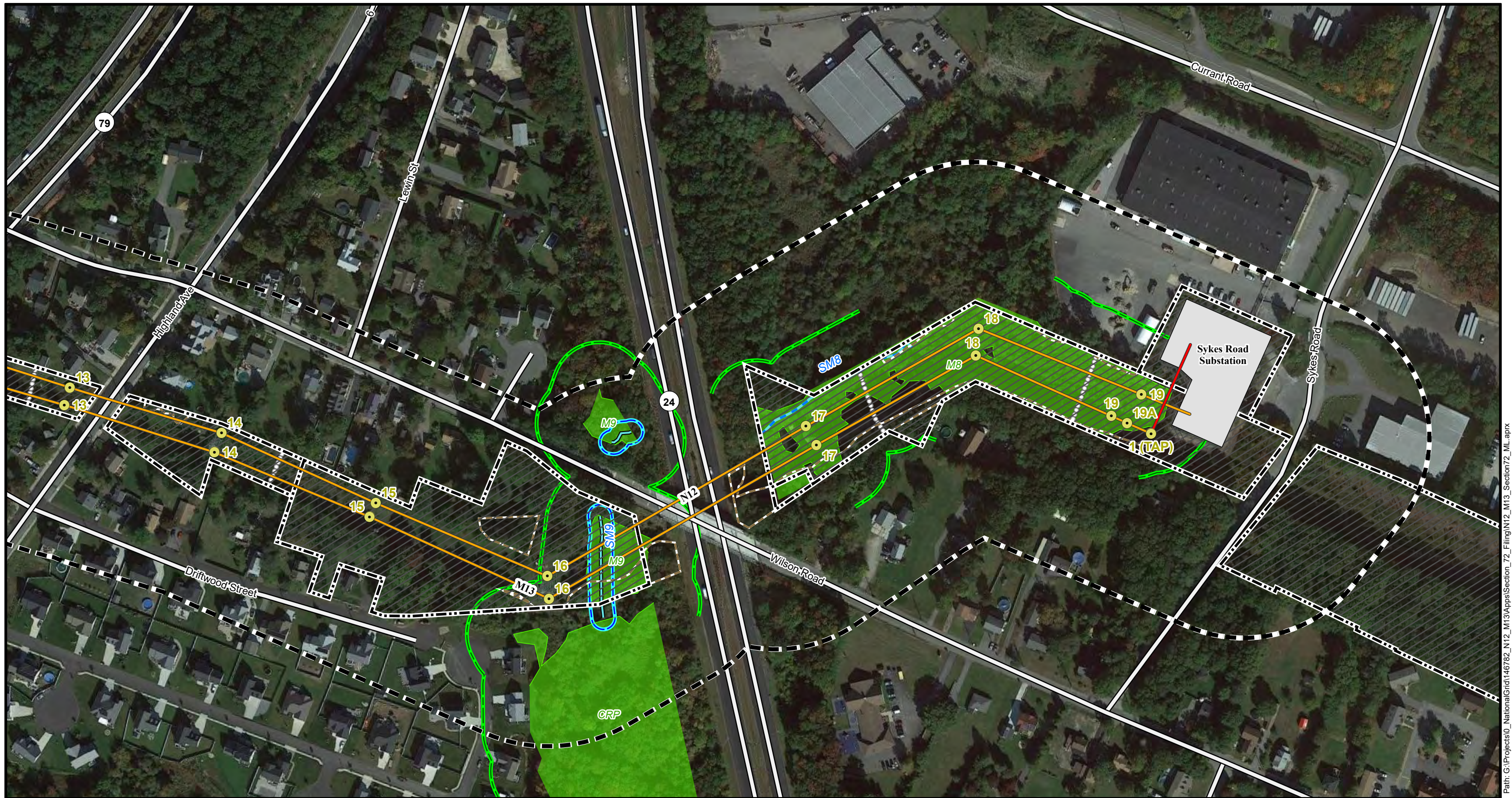
Date: 7/28/2022      Author: ML



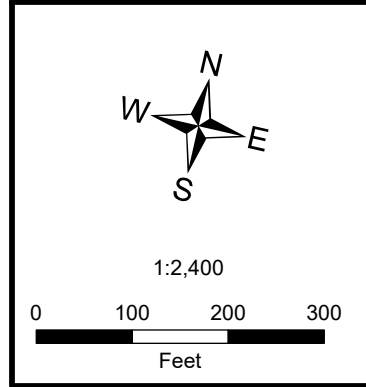
Commonwealth of Massachusetts  
Bristol County:  
Fall River  
NAD 1983 UTM Zone 18N

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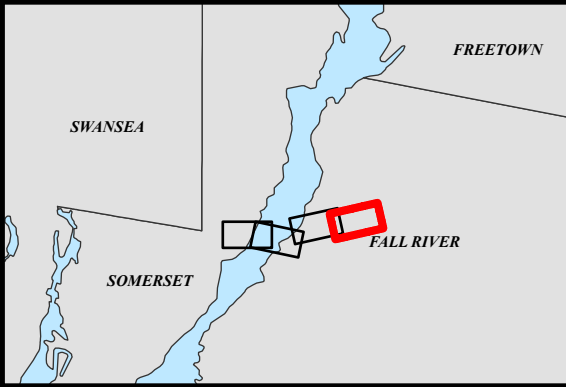
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Proposed or Replacement Structure	Road
Existing Transmission Line	Field GPS Survey Line
Proposed Overhead Line	Stone Wall
Study Area (300 feet)	Wetland Border
National Grid Owned Land	Perennial Stream or River
Existing Right of Way	Intermittent Stream
Existing Station	Riverfront Area
Tree Clearing	100 ft Buffer Wetland
	Field Delineated Wetland

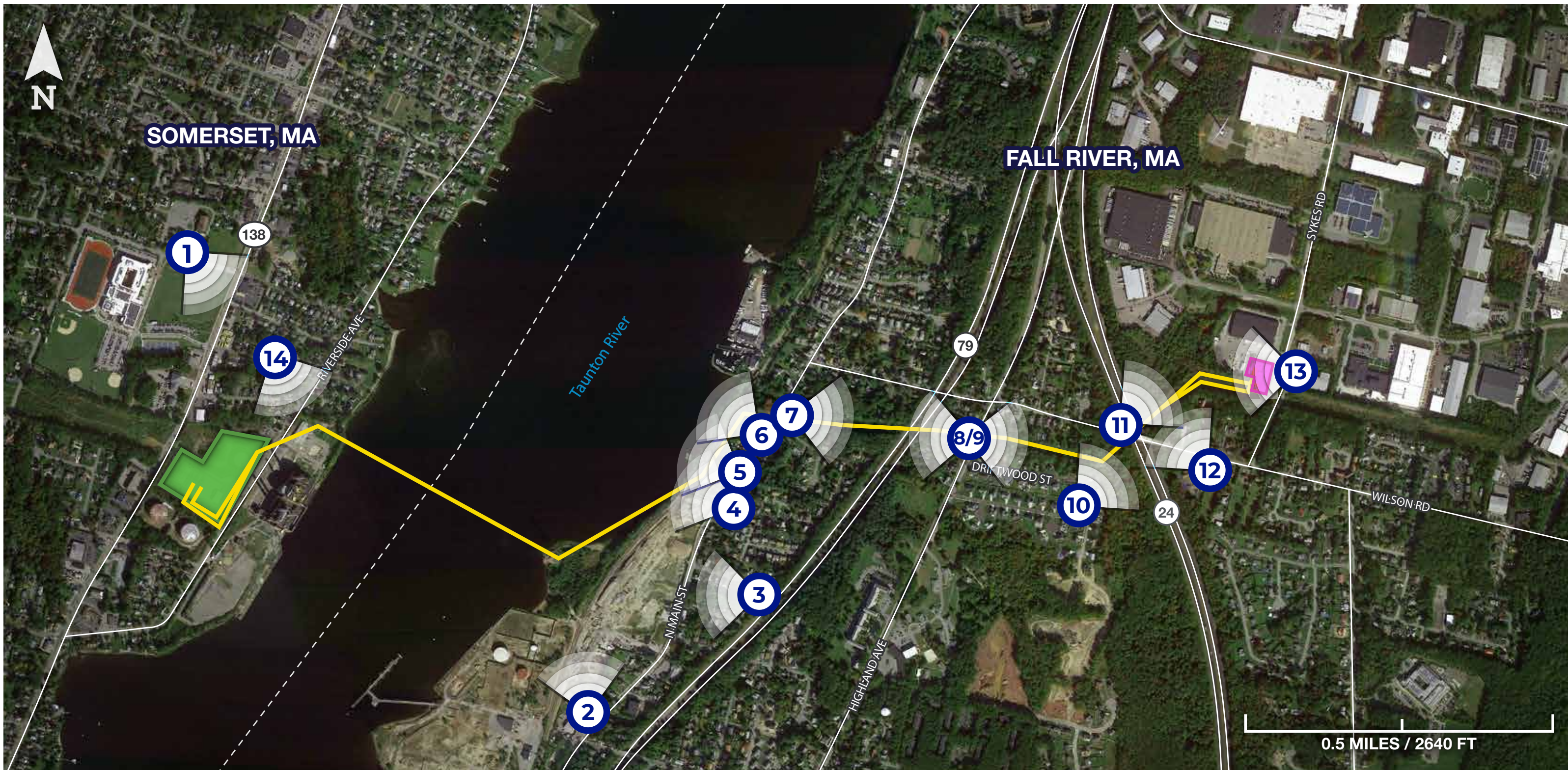
**N12/M13 Double Circuit  
Tower Separation Project**  
 Figure 4-3B  
 Environmental Resources Map  
 Proposed Conditions  
 Page 4 of 4

Date: 7/28/2022      Author: ML



Commonwealth of Massachusetts  
 Bristol County:  
 Fall River  
 NAD 1983 UTM Zone 18N





# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
 FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint Location Map

- ① Viewpoint Location
- Pottersville Switching Station
- Sykes Road Substation
- Existing N12/M13 Lines

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This document has been reviewed for Critical Energy Infrastructure Information (CEII) July 2022





Existing Conditions



Proposed Conditions

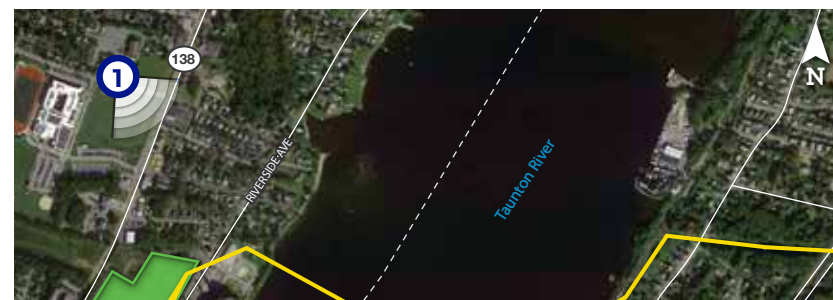
RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.

# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
 FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 1

Date: 04/28/2018  
 Time: 1:11 pm  
 Direction: Southeast



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# N12/M13

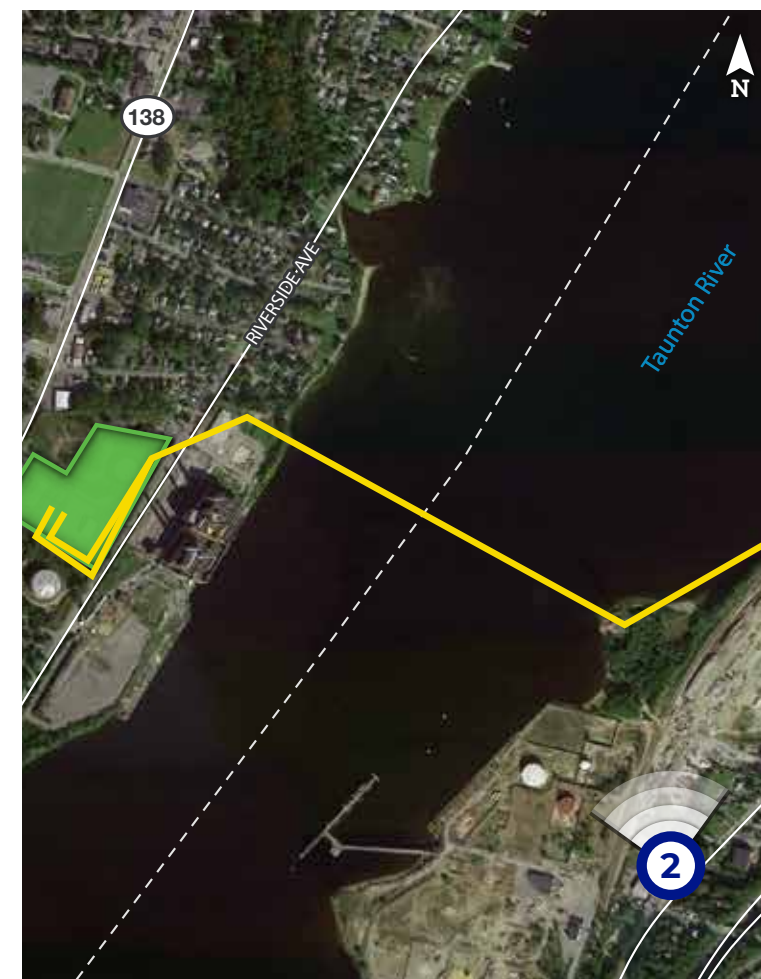
DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 2

Date: 04/05/2022

Time: 8:56 am

Direction: North



nationalgrid



Existing Conditions



Proposed Conditions

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# N12/M13

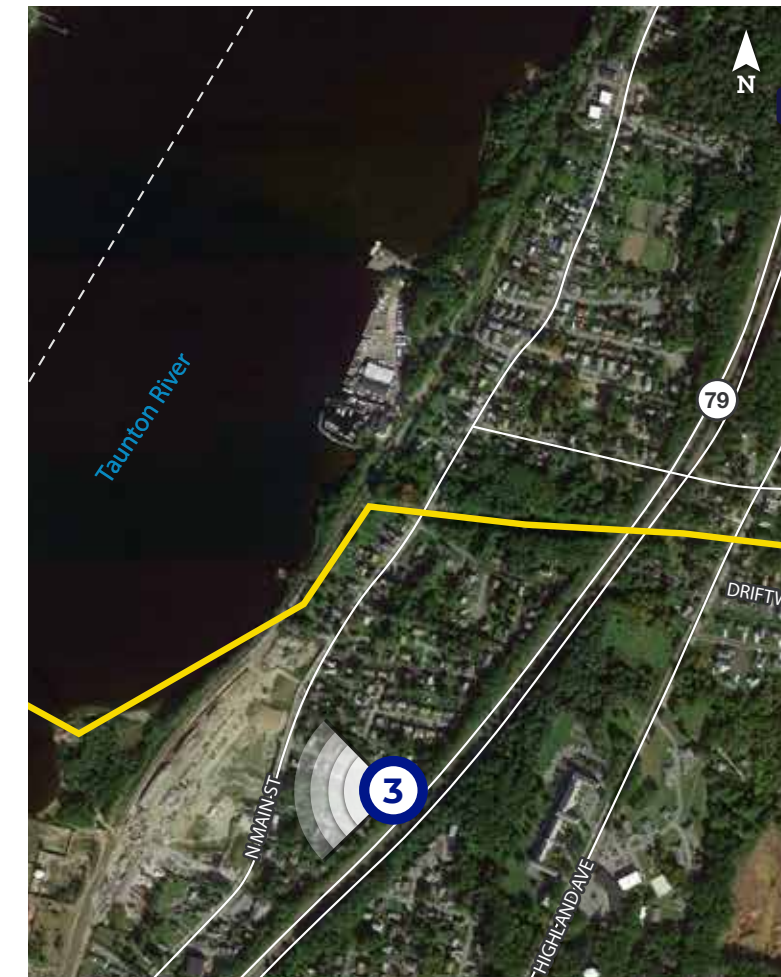
DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 3

Date: 04/05/2022

Time: 9:05 am

Direction: West



nationalgrid



Existing Conditions



Proposed Conditions

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.





Existing Conditions



Proposed Conditions

OTHER NON-NATIONAL GRID DEVELOPMENT PROJECTS PROPOSED FOR THIS AREA COULD RESULT IN CHANGES TO THE LIMITS OF VEGETATION AND VIEWSCAPE. RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.

# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 4

Date: 04/05/2022  
Time: 9:24 am  
Direction: West



nationalgrid



# N12/M13

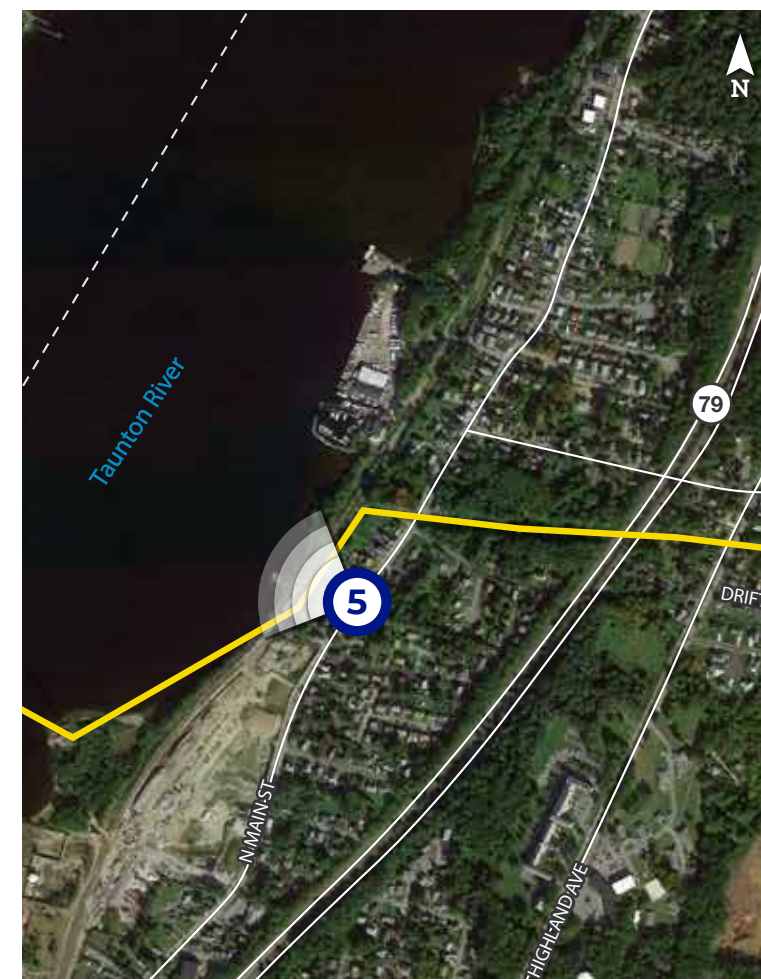
DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 5

Date: 03/17/2021

Time: 9:29 am

Direction: Northwest



Existing Conditions



Proposed Conditions

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# N12/M13

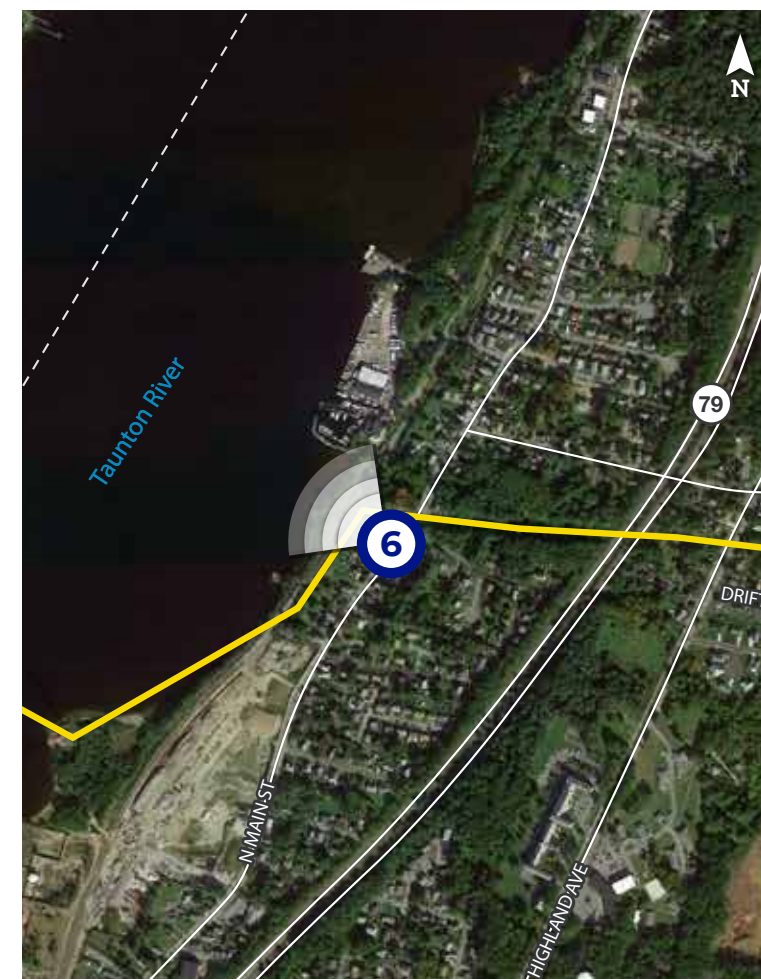
DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 6

Date: 03/17/2021

Time: 11:27 am

Direction: West



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Existing Conditions



Proposed Conditions

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.

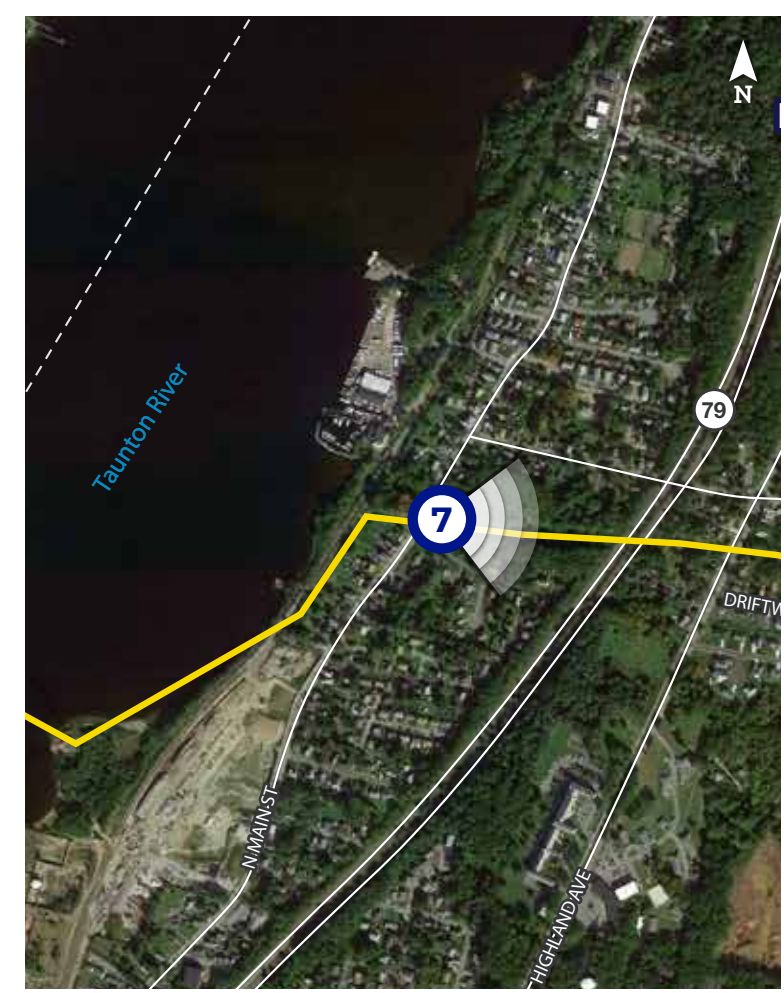


# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 7

Date: 04/05/2022  
Time: 11:10 am  
Direction: East



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Existing Conditions



Proposed Conditions

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.





Existing Conditions



Proposed Conditions

WITH Proposed Structures N12-13 and M13-N13

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.

# N12/M13

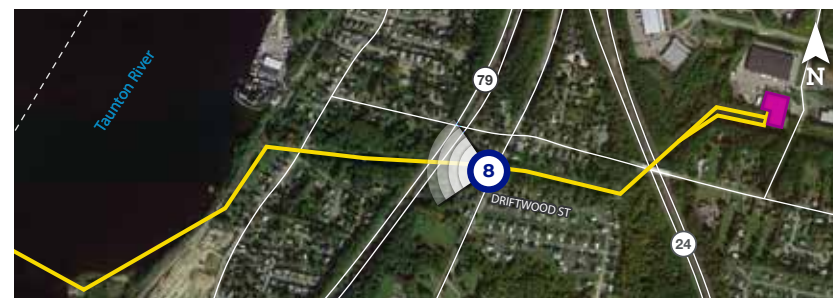
DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 8

Date: 04/05/2022

Time: 10:05 am

Direction: West



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Existing Conditions



Proposed Conditions

WITHOUT Proposed Structures N12-13 and M13-N13

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# N12/M13

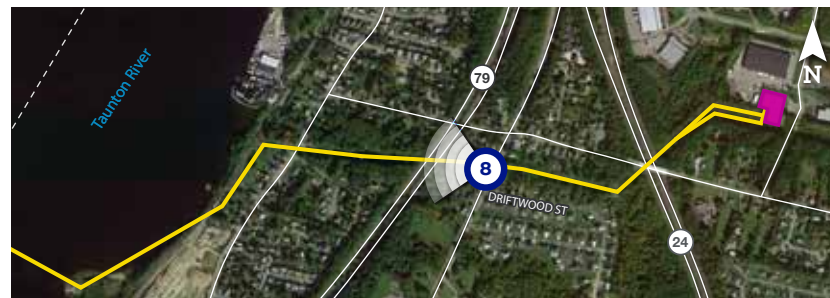
DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 8

Date: 04/05/2022

Time: 10:05 am

Direction: West



nationalgrid





# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 9

Date: 04/05/2022

Time: 11:01 am

Direction: East



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Existing Conditions



Proposed Conditions

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY, FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.





Existing Conditions



Proposed Conditions

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.

# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 10

Date: 04/05/2022  
Time: 10:25 am  
Direction: Northeast



nationalgrid



# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 11

Date: 01/22/2020

Time: 10:46 am

Direction: Northeast



nationalgrid



Existing Conditions



Proposed Conditions

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.



# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 12

Date: 01/22/2020

Time: 10:30 am

Direction: Northwest



nationalgrid



Existing Conditions



Proposed Conditions

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.





# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 13

Date: 03/17/2021

Time: 11:10 am

Direction: West



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Existing Conditions



Proposed Conditions

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.

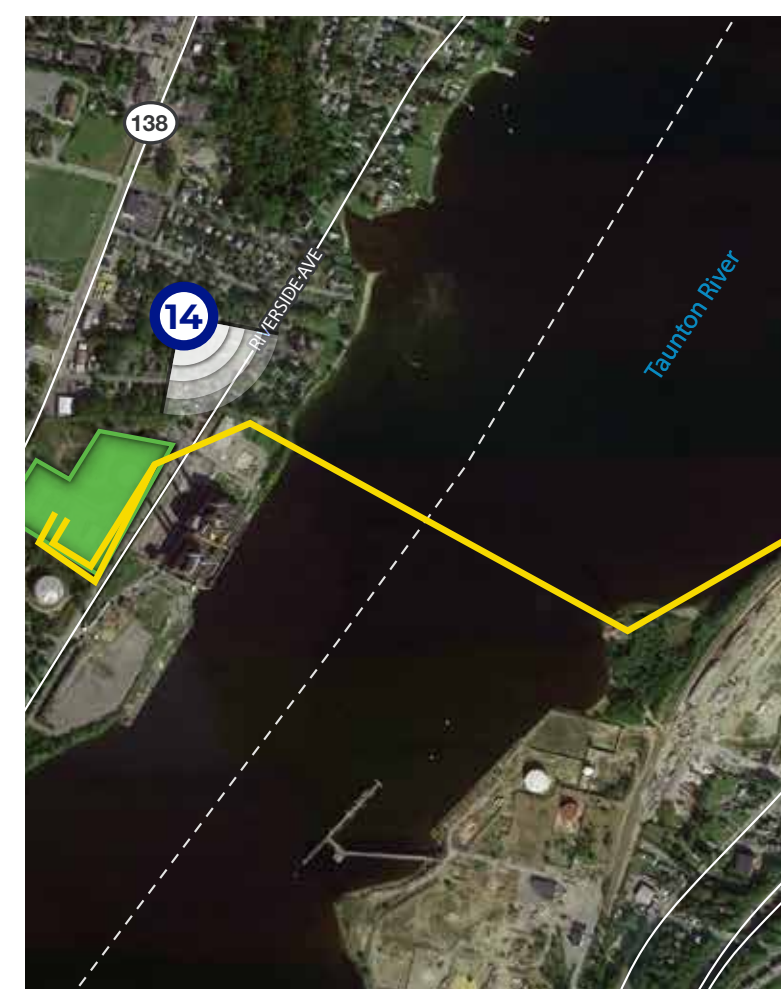


# N12/M13

DOUBLE CIRCUIT TOWER SEPARATION PROJECT  
FIGURE 4-4 VIEWPOINT LOCATION MAP AND SIMULATION

## Viewpoint 14

Date: 04/05/2022  
Time: 11:46 am  
Direction: Southeast



nationalgrid



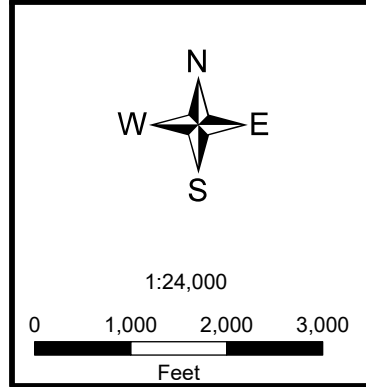
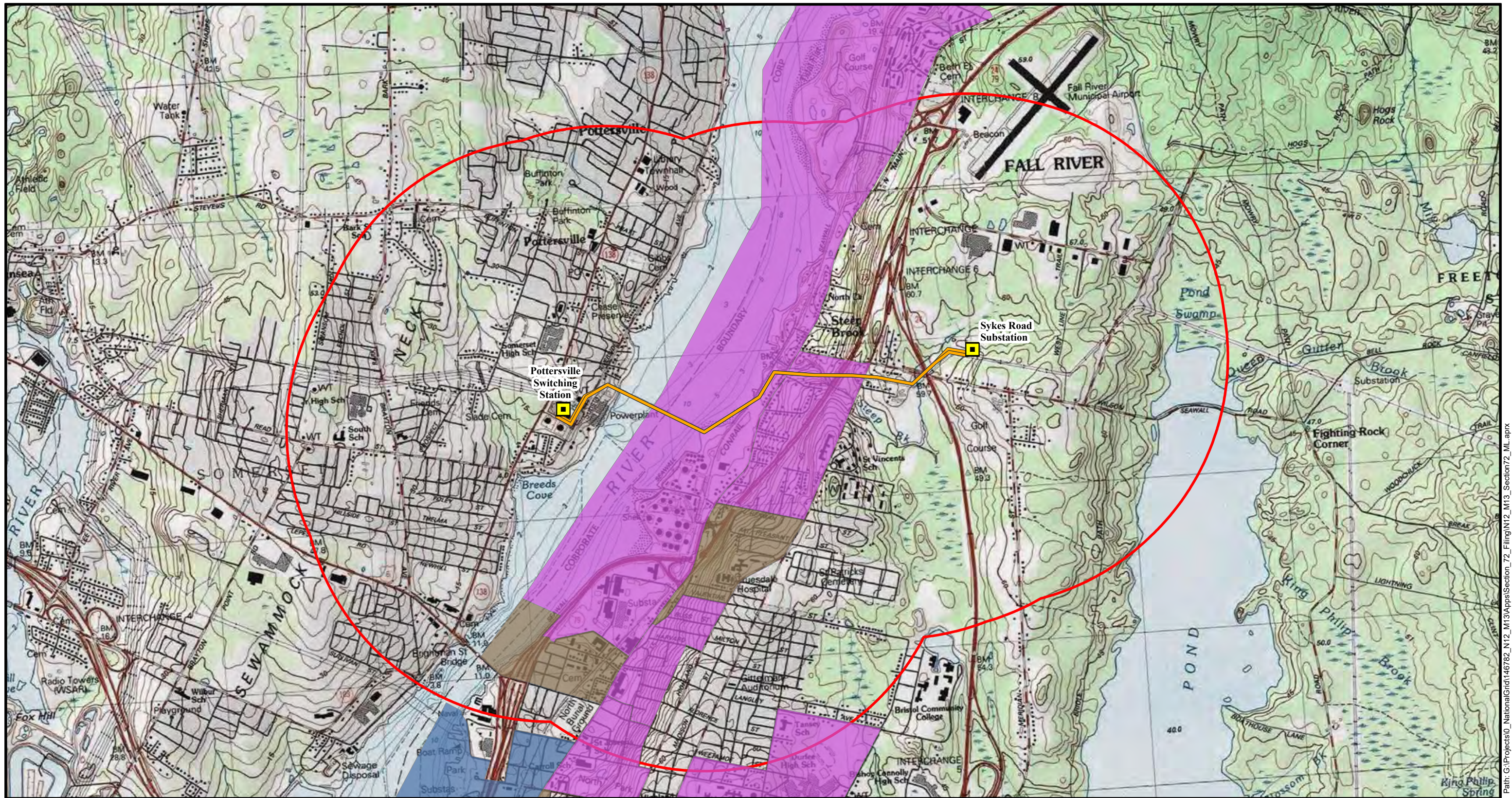
Existing Conditions



Proposed Conditions

RENDERINGS ARE FOR VISUALIZATION PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE PENDING PUBLIC, ENGINEERING, AND REGULATORY REVIEW.





- Existing Station
- Existing N12/M13 ROW
- 1 Mile Project Buffer

- Environmental Justice Criteria (MA Executive Office of Energy and Environmental Affairs 2020)
- Income
  - Minority
  - Minority and income

**N12/M13 Double Circuit  
Tower Separation Project**

Figure 4-5  
Environmental Justice Population Map

Date: 7/28/2022      Author: ML



Commonwealth of Massachusetts  
Bristol County

NAD 1983 UTM Zone 18N USFt

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