APPENDIX B PROJECT FIGURES

Appendix B-1: Project Figures

New England Power Company

N12/M13 Double Circuit Tower Separation Project Somerset and Fall River, Massachusetts

Single Environmental Impact Report

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

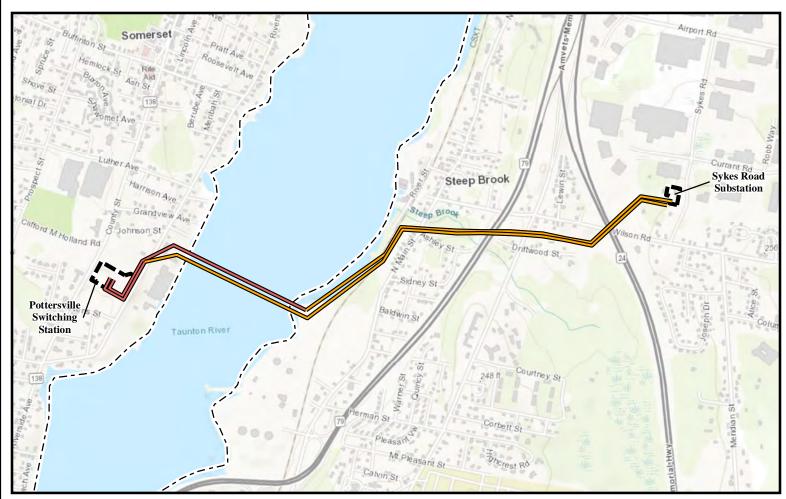
Owner/Applicant:

New England Power Company

40 Sylvan Road

Waltham, MA 02451-1120

Phone: (781) 907-2558 (Waltham)



1 " = 1,500 Feet

This document has been reviewed for Critical Energy Infrastructure Information (CEII). [July 2021]

nationalgrid



Plans

Date Issued: April 11, 2023 Latest Issue: April 11, 2023

Index

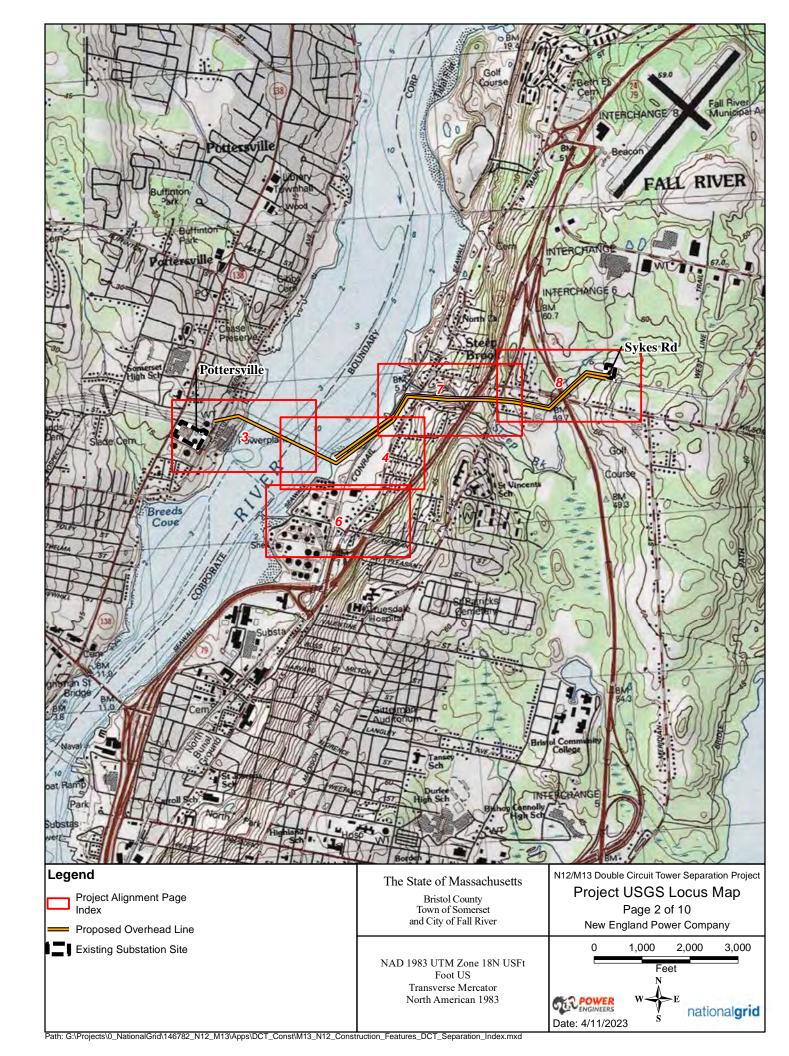
No.	Drawing Title	Latest Issue
1	Title Sheet and Notes	04/11/2023
2	Page Index	04/11/2023
3 to 8	Proposed Project Construction Features	04/11/2023
9	Environmental Justice Map	04/11/2023
10	Typical ROW Cross Sections	04/11/2023

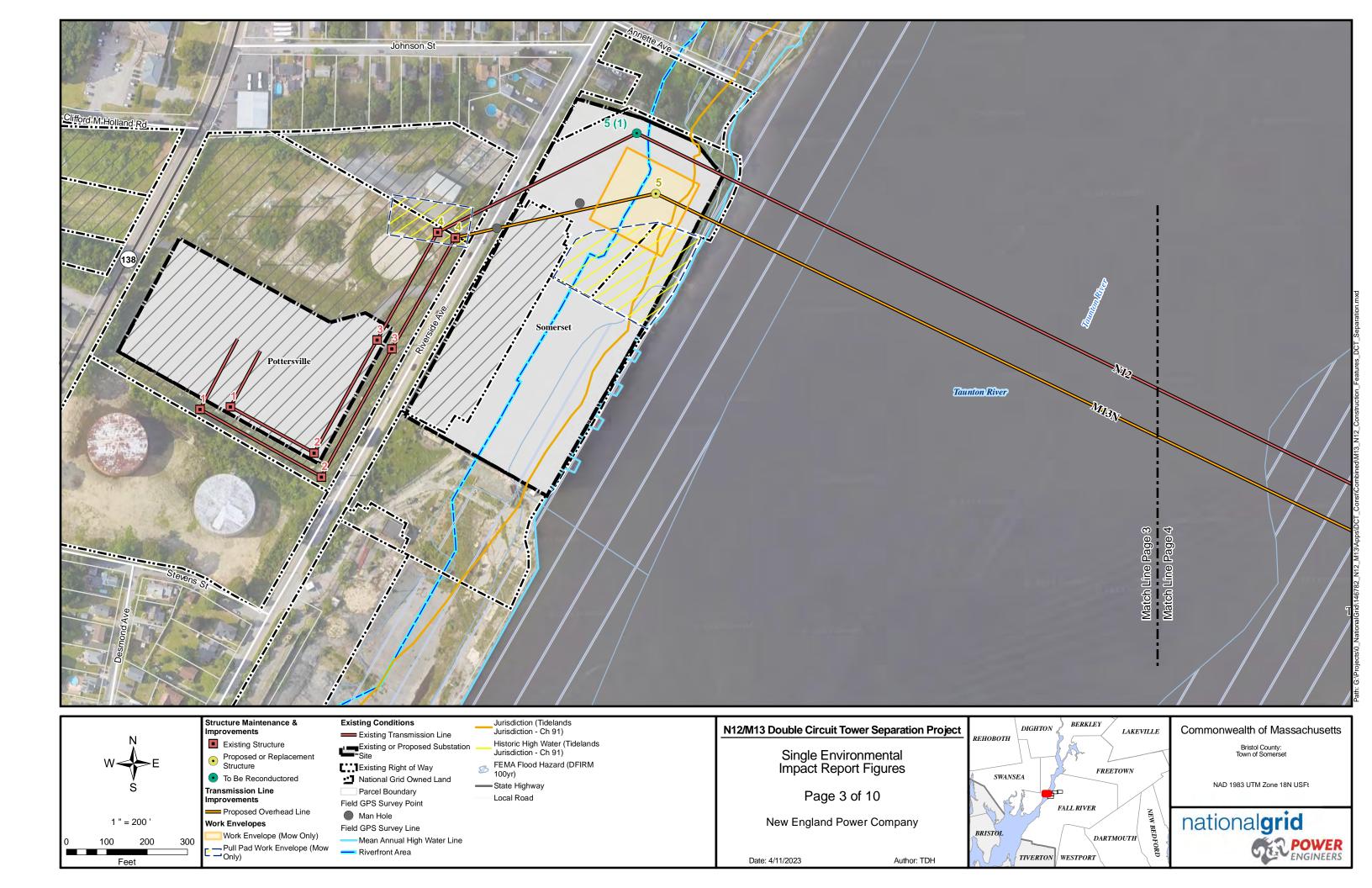
Plan Set Notes

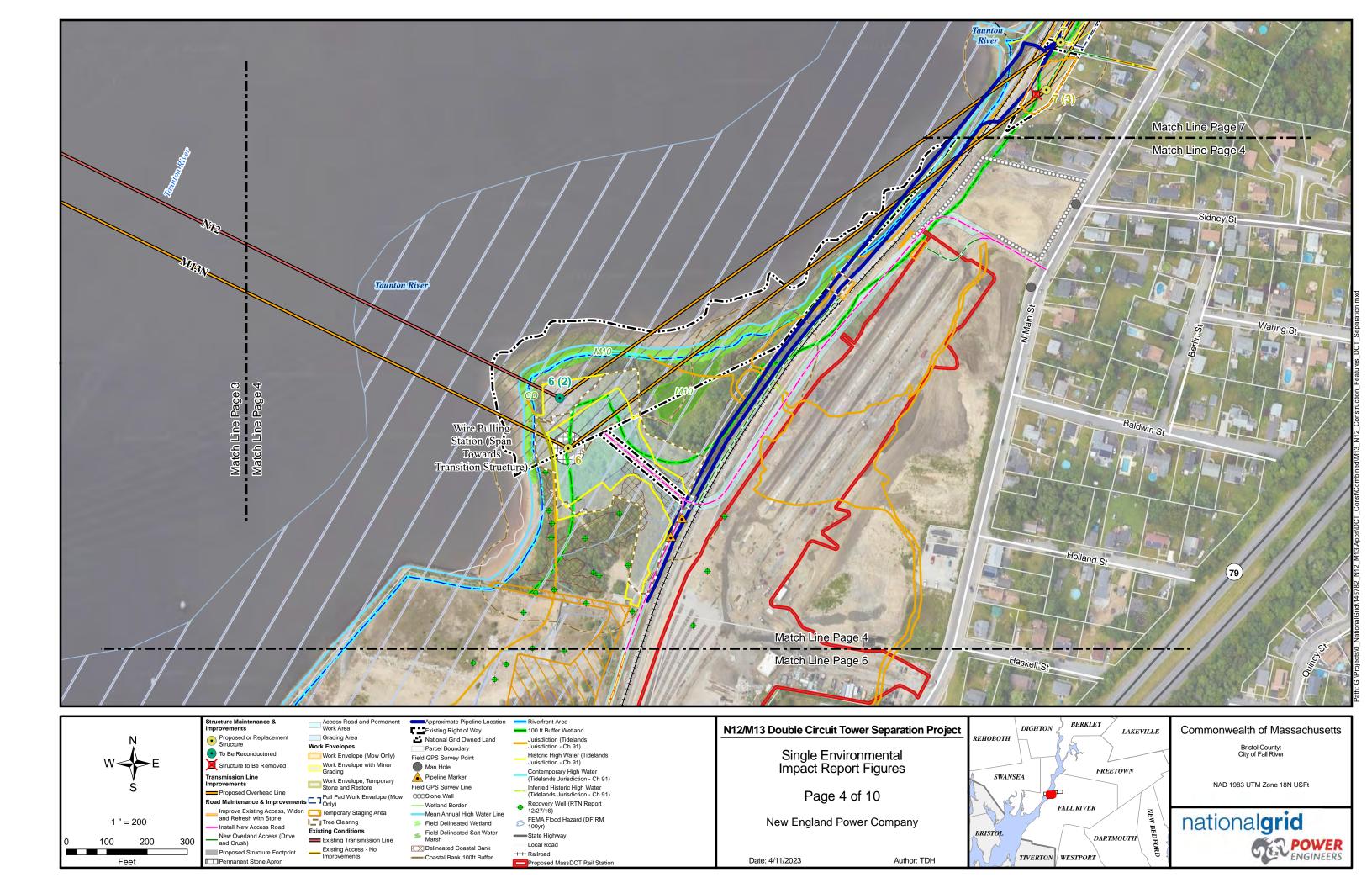
- 1. Planimetric Base Mapping Planimetric base mapping obtained from a variety of sources. Street centerlines obtained from ESRI StreetMap 2016. River, streams, lakes, and ponds from the National Hydrologic Dataset (NHD). Floodplains from the Federal Emergency Management Agency (FEMA). National Wetland Inventory (NWI) and MassGIS State Wetland Boundaries were identified prior to field wetland collection. Existing Utility transmission pole locations, substation locations, and transmission line locations were provided by New England Power Company and verified against aerial photography.
- 2. Contour Data Contour data was acquired from MassGis (Massachusetts GIS System) website (https://docs.digital.mass.gov/dataset/massgis-data-lidar-terrain-data). 2011 LiDAR for the Northeast covered the project area, and contours were derived from the LiDAR data at a 1' interval.
- 3. Aerial Mapping Aerial imagery shown is from Google Earth, and was obtained on September, 2021.
- 4. Wetland field assessments occurred in November 2015, September 2017, May 2018, and May 2019. Vernal pool surveys were conducted during spring 2015 to spring 2019.
- 5. Wetland flags were located in the field with a Trimble GeoXT or Geo XH GPS receivers. Field data was postprocessed, differentially corrected, and back-checked on a series of 1:2000 scale aerial photo base maps.
- 6. Existing pole structure numbers and right-of-way boundary location is based on the following transmission line sheets (T-sheets) provided by New England Power Company: T5660 Rev.6 issued July 3, 2013, T5661 Rev. 9 issued September 25, 2009.
- 7. Limits of ROW shown are approximate.
- 8. Proposed transmission structure locations are approximate.

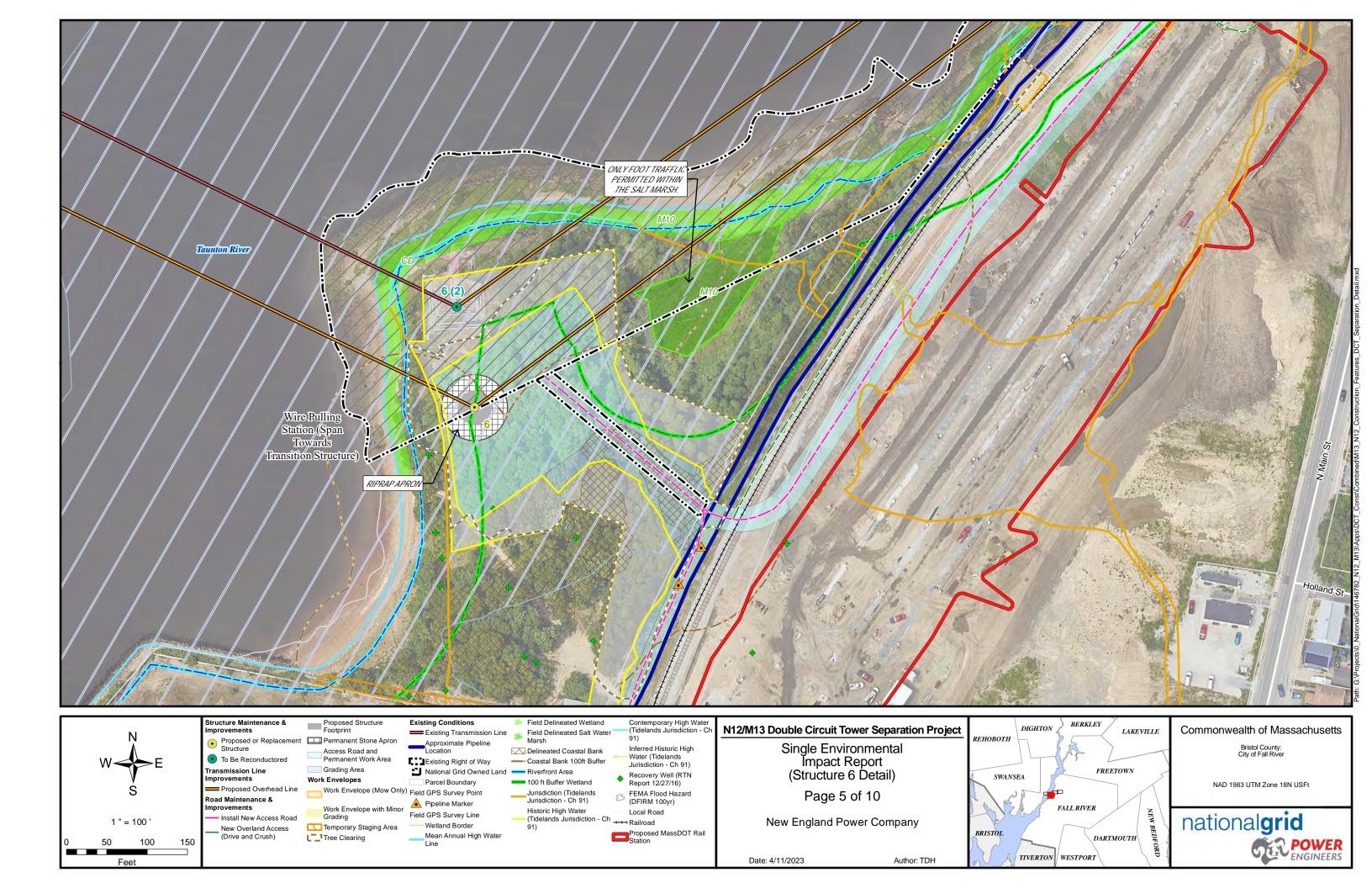
N12/M13 DOL	JBLE CIRCUIT	PLAN			
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NEW ENGLAN	D POWER CO.		SOMERSET AND FALL R	VER, MASSACHUSETTS	
DATE: 4/11/2023	DRAWN: TDH	146782	REV 6	Page 1 of 10	

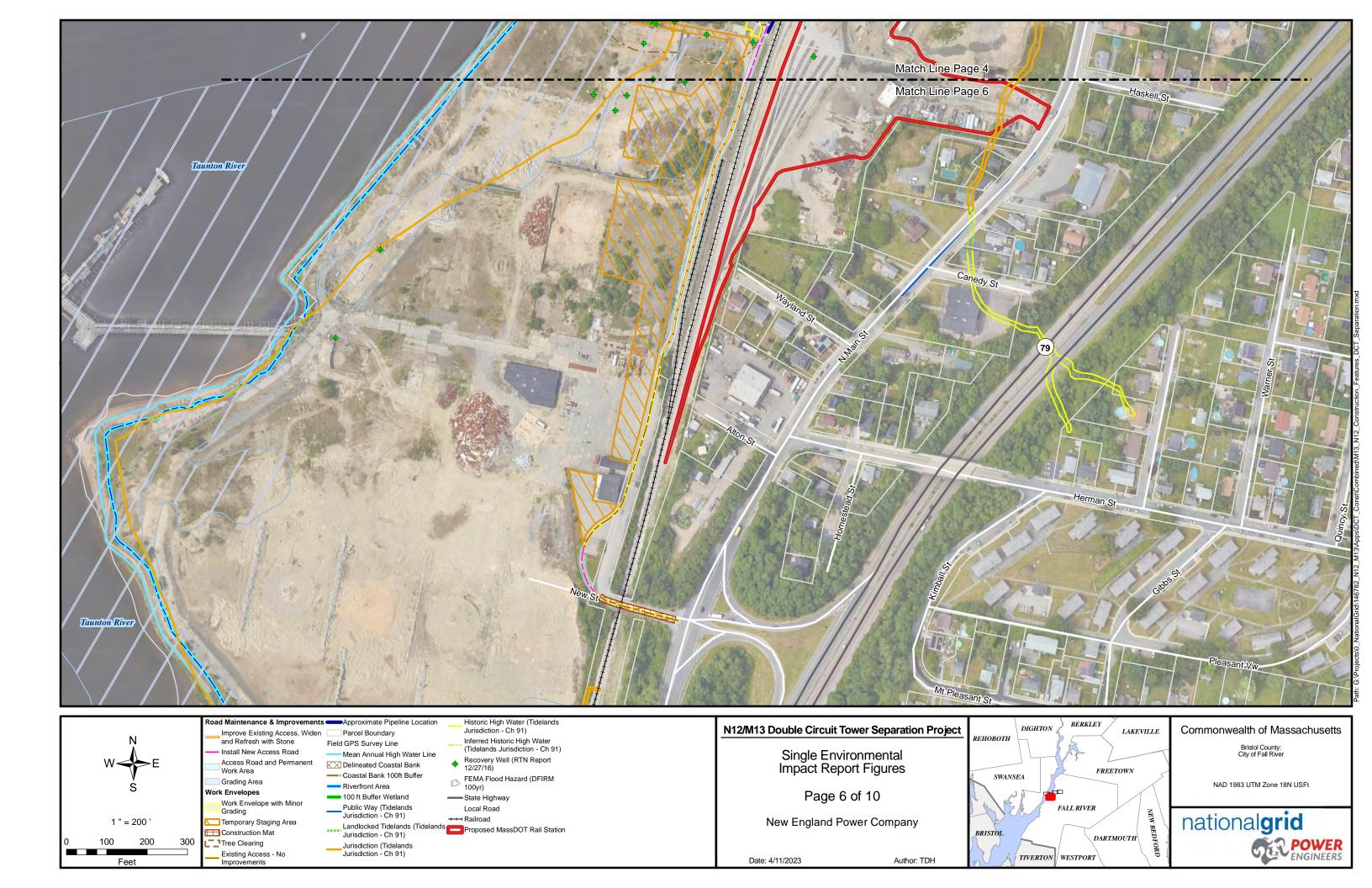
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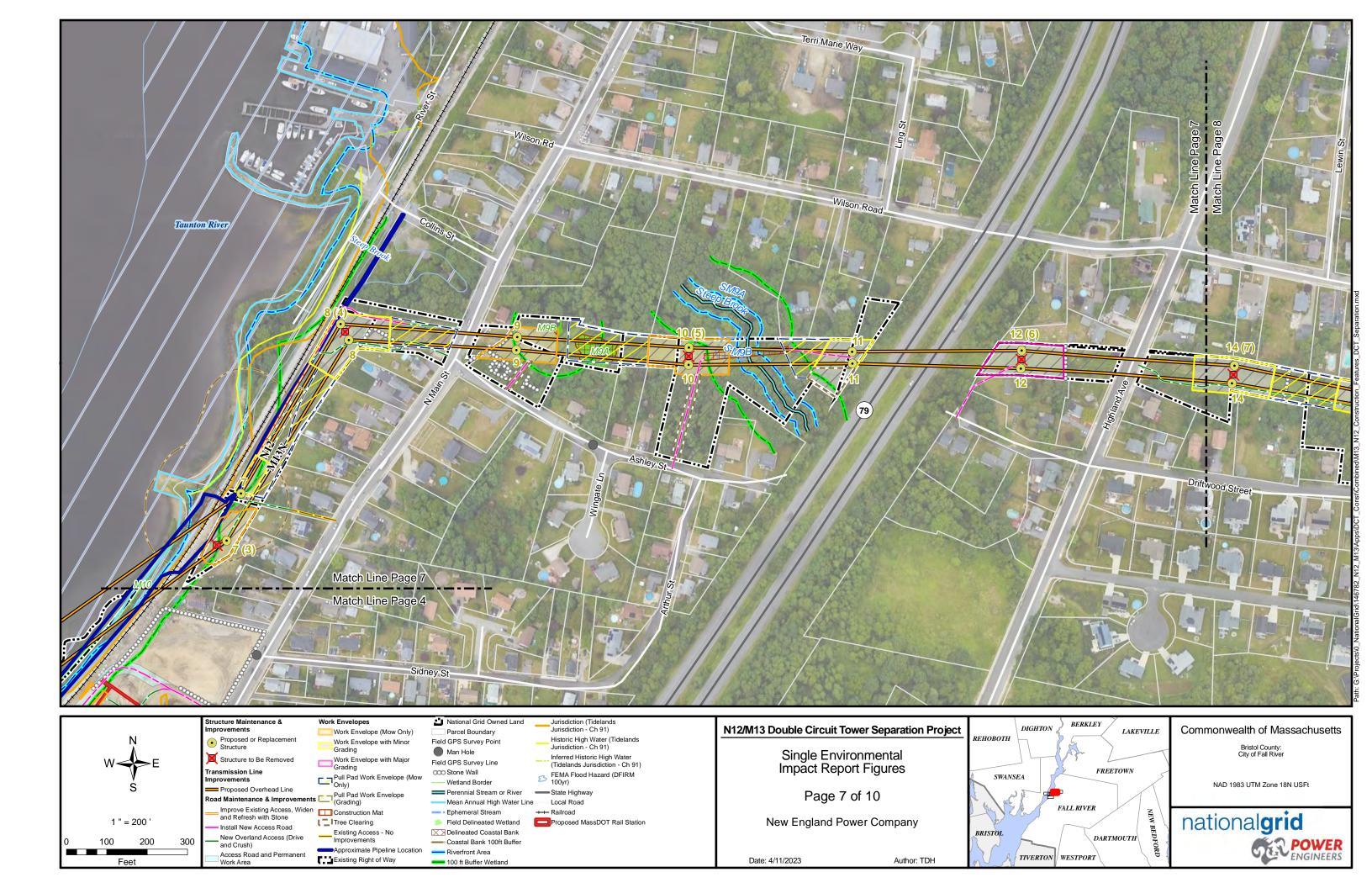


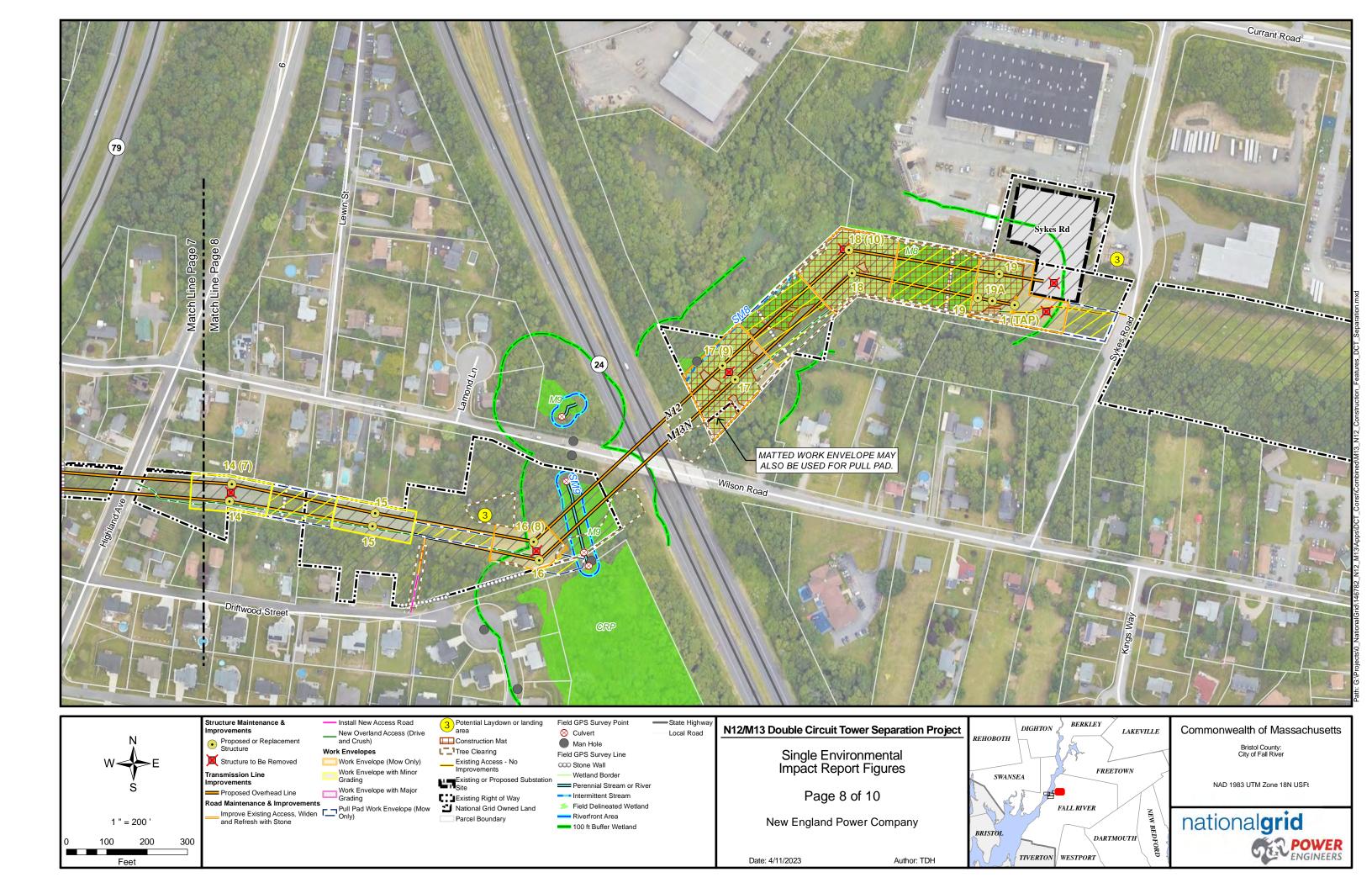


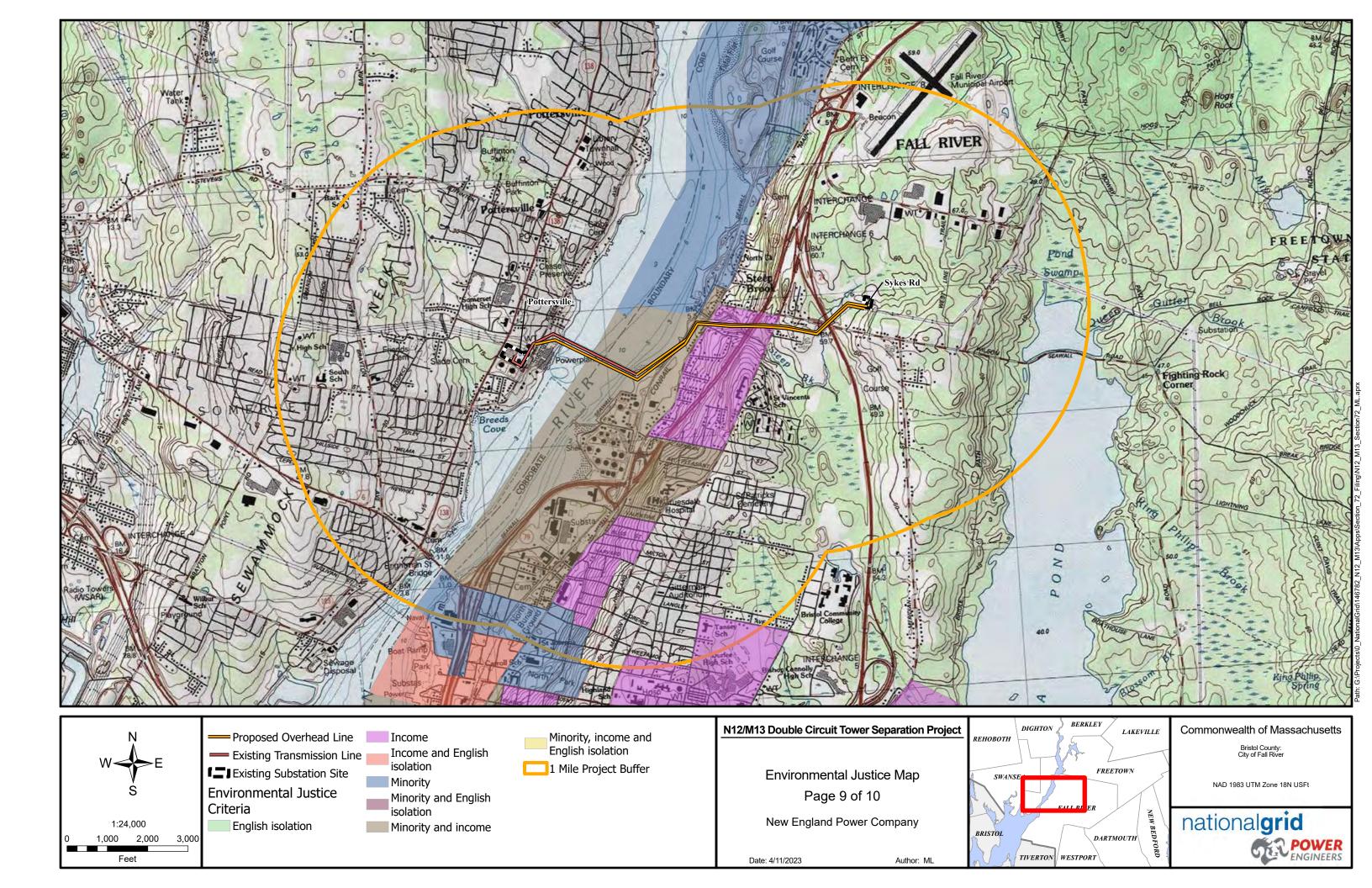


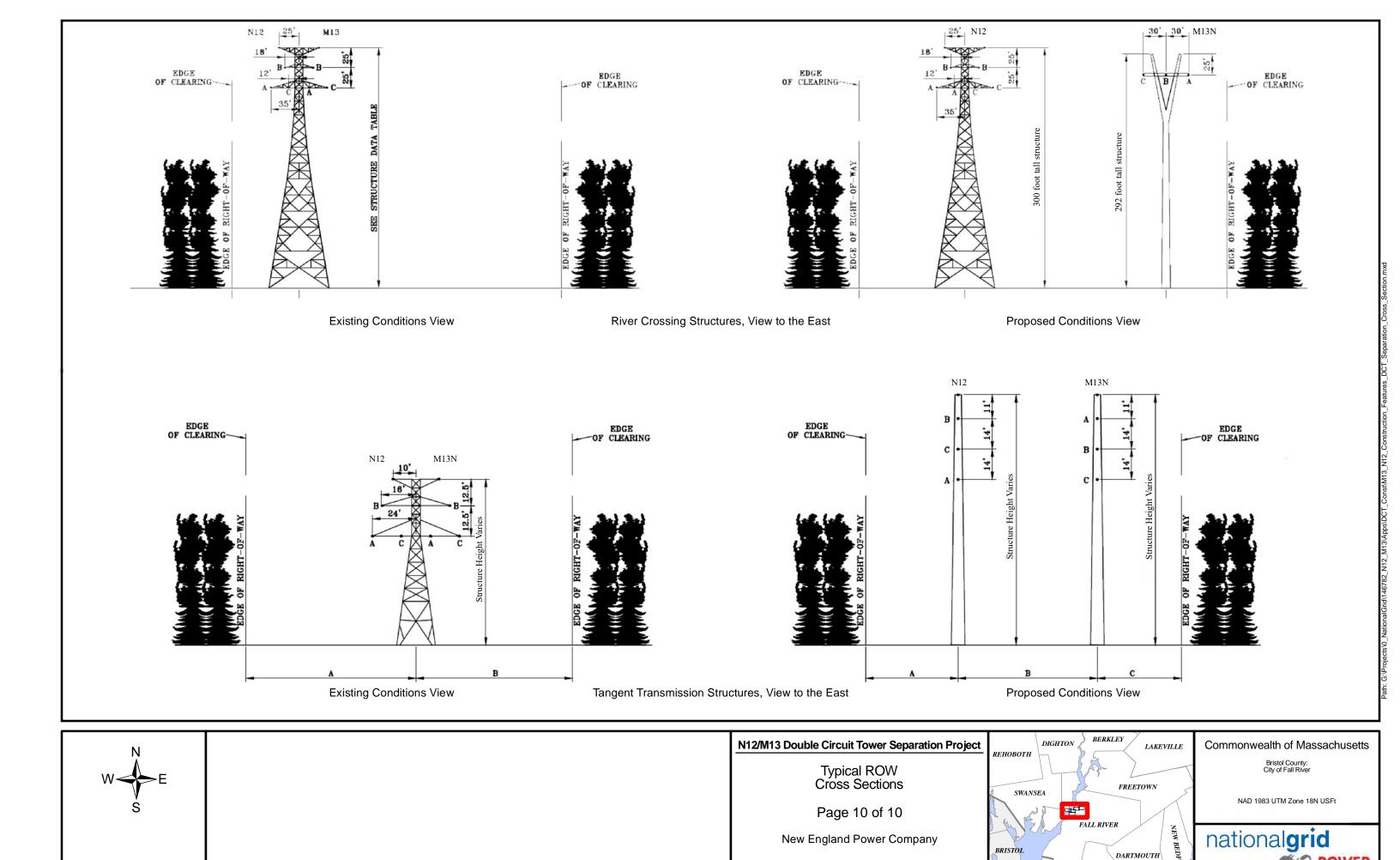










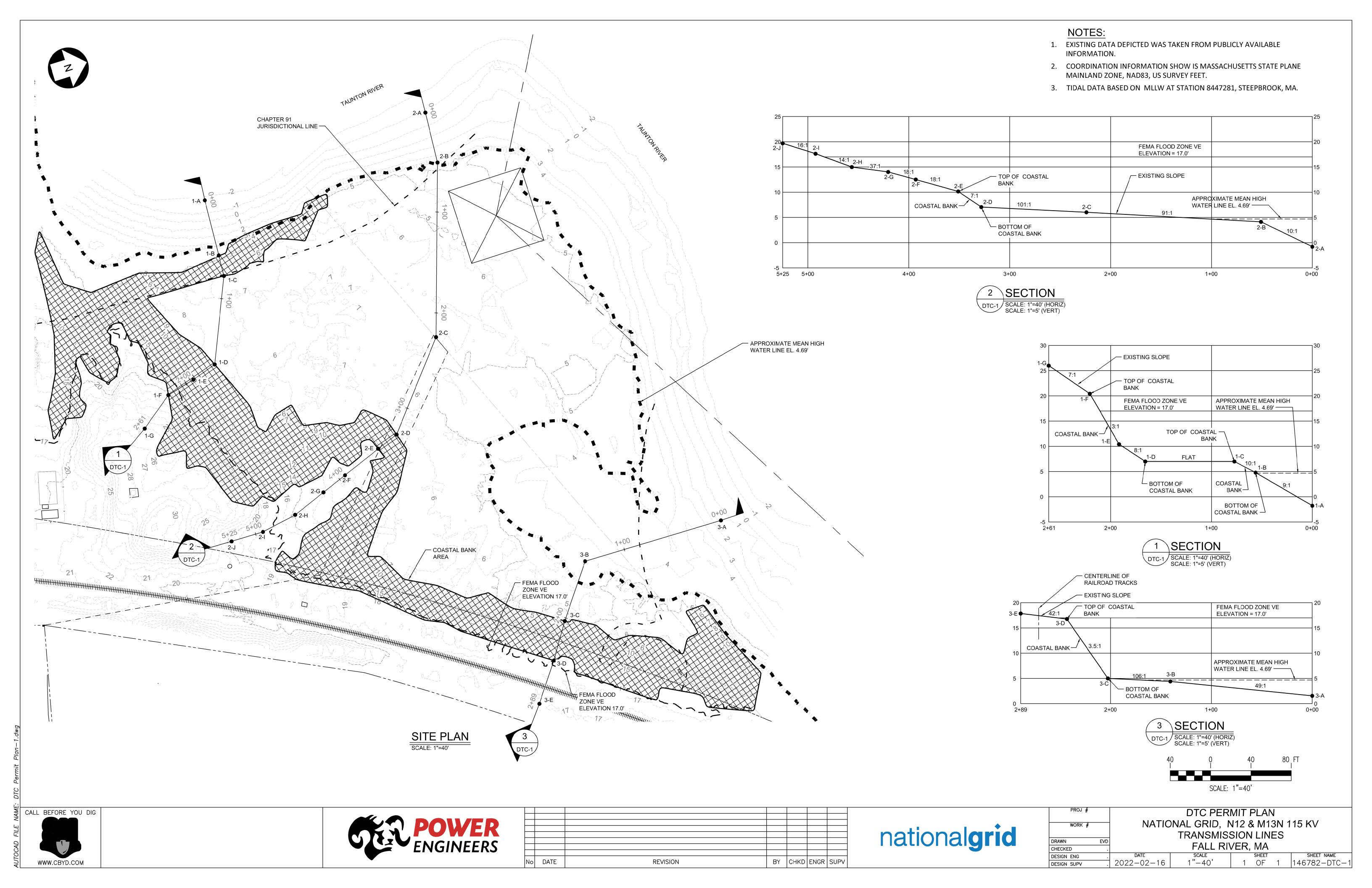


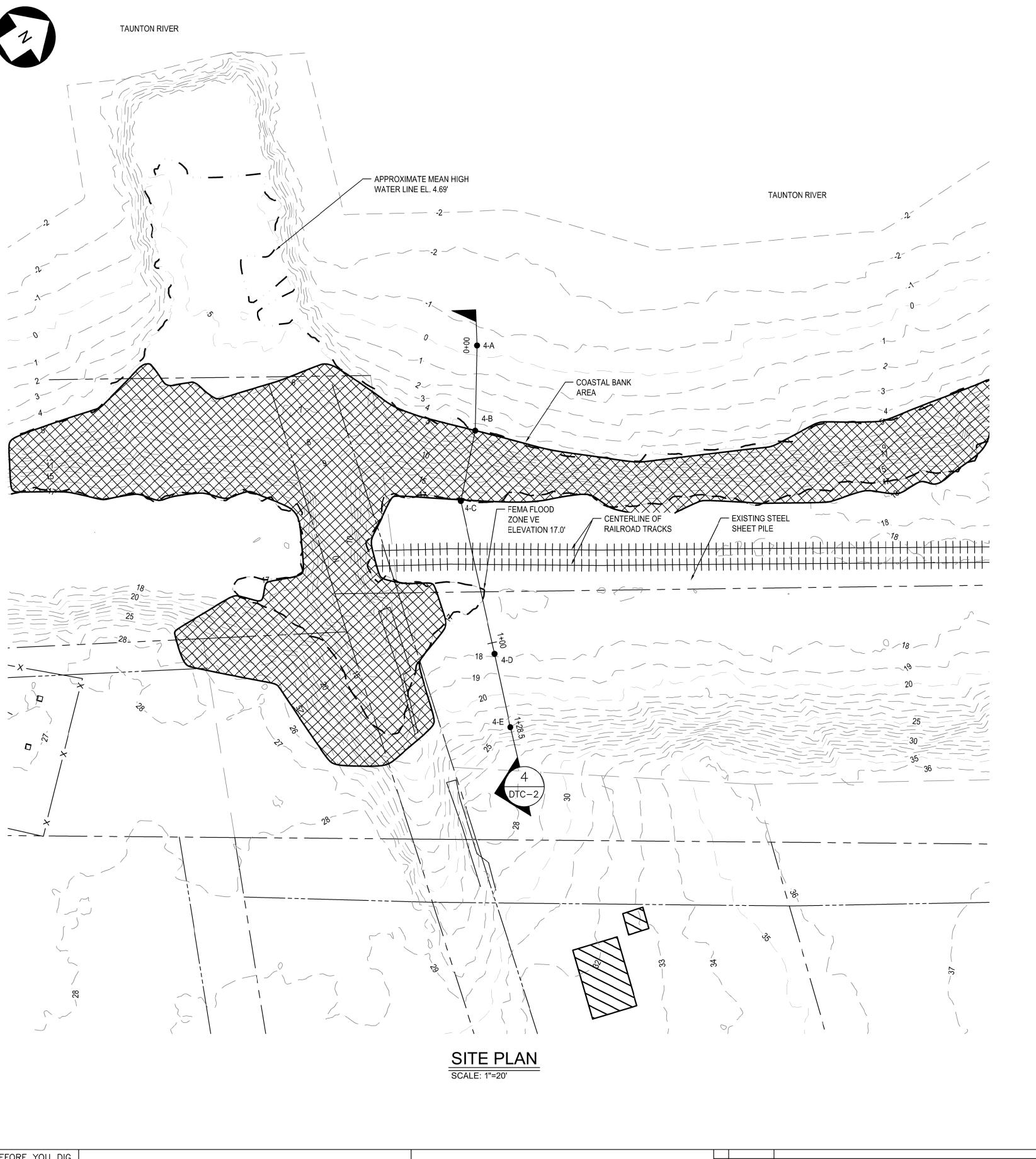
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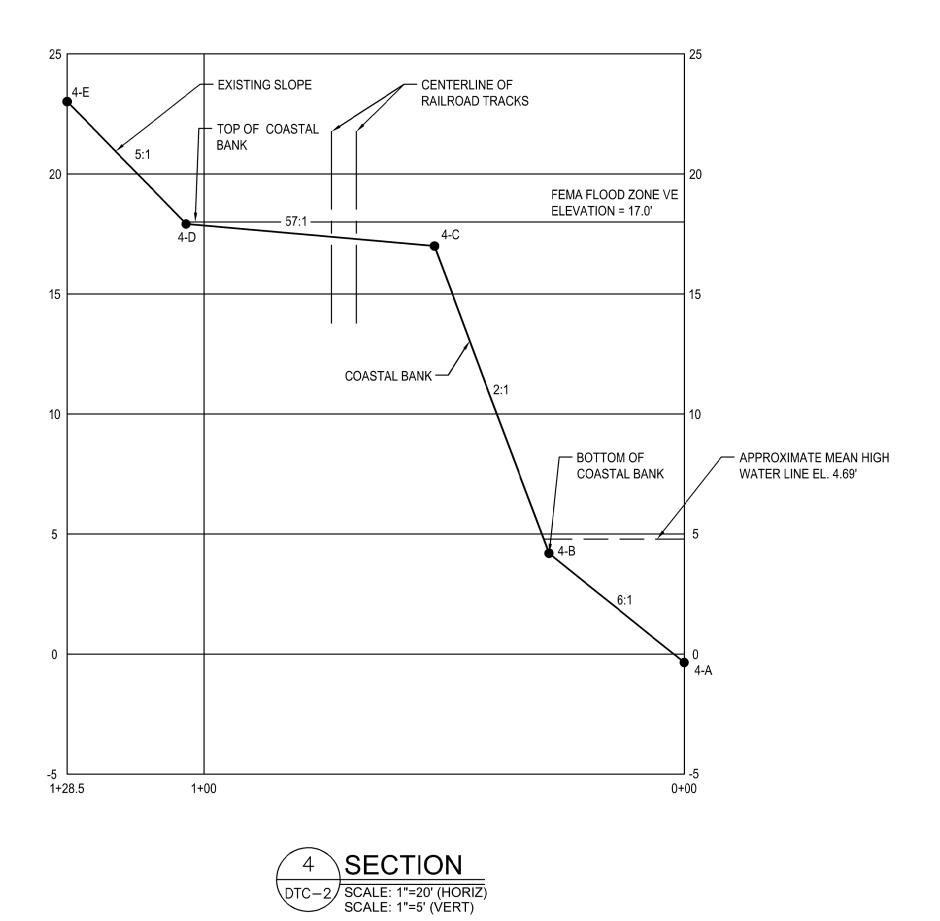
Appendix B-2: Coastal Bank Resource Delineation





NOTES:

- 1. EXISTING DATA DEPICTED WAS TAKEN FROM PUBLICLY AVAILABLE INFORMATION.
- 2. COORDINATION INFORMATION SHOW IS MASSACHUSETTS STATE PLANE MAINLAND ZONE, NAD83, US SURVEY FEET.
- 3. TIDAL DATA BASED ON MLLW AT STATION 8447281, STEEPBROOK, MA.









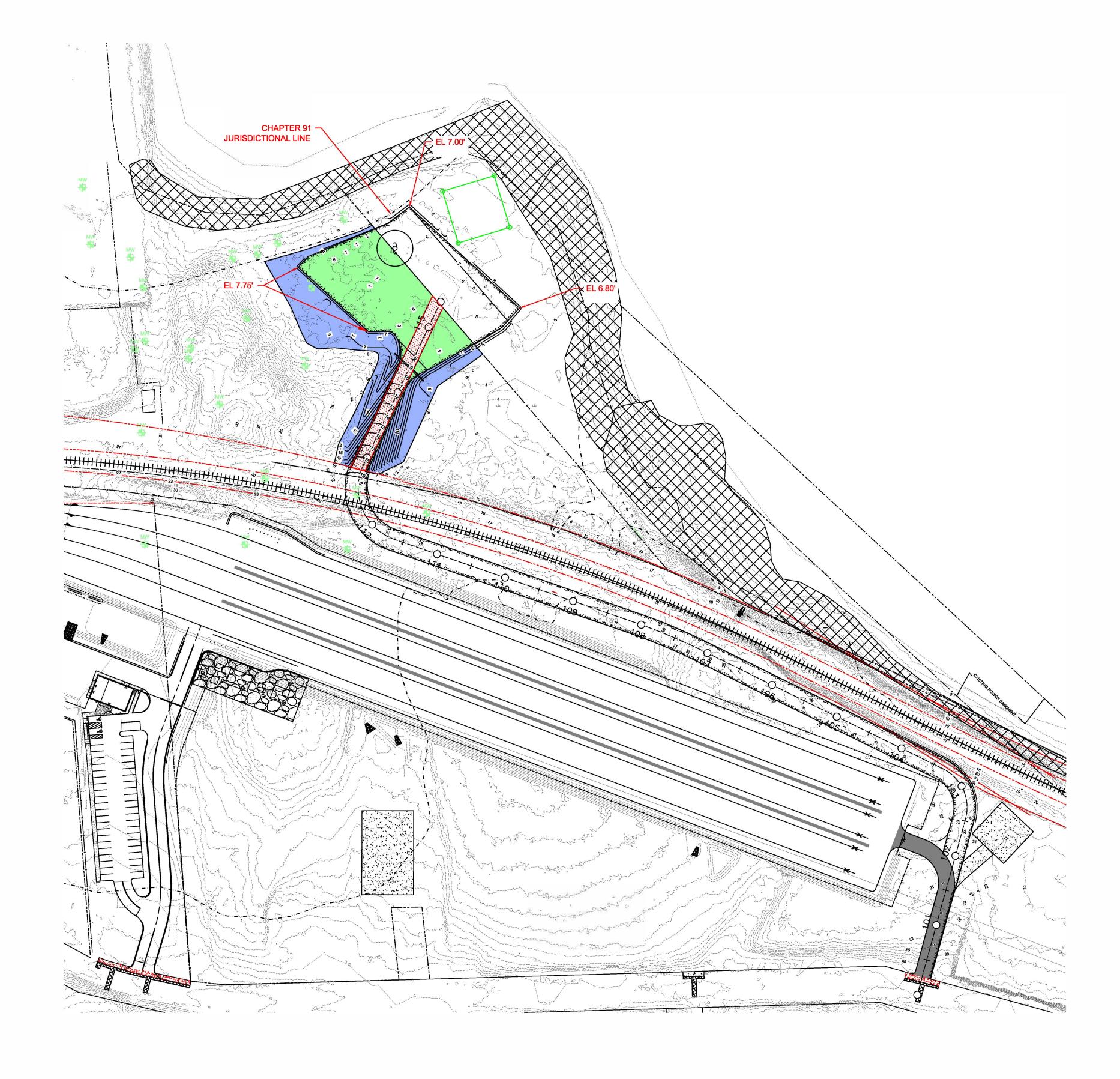
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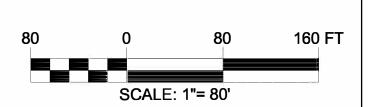
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Appendix B-3: Preliminary Grading Plans





PRELIMINARY NOT FOR CONSTRUCTION 06-27-23





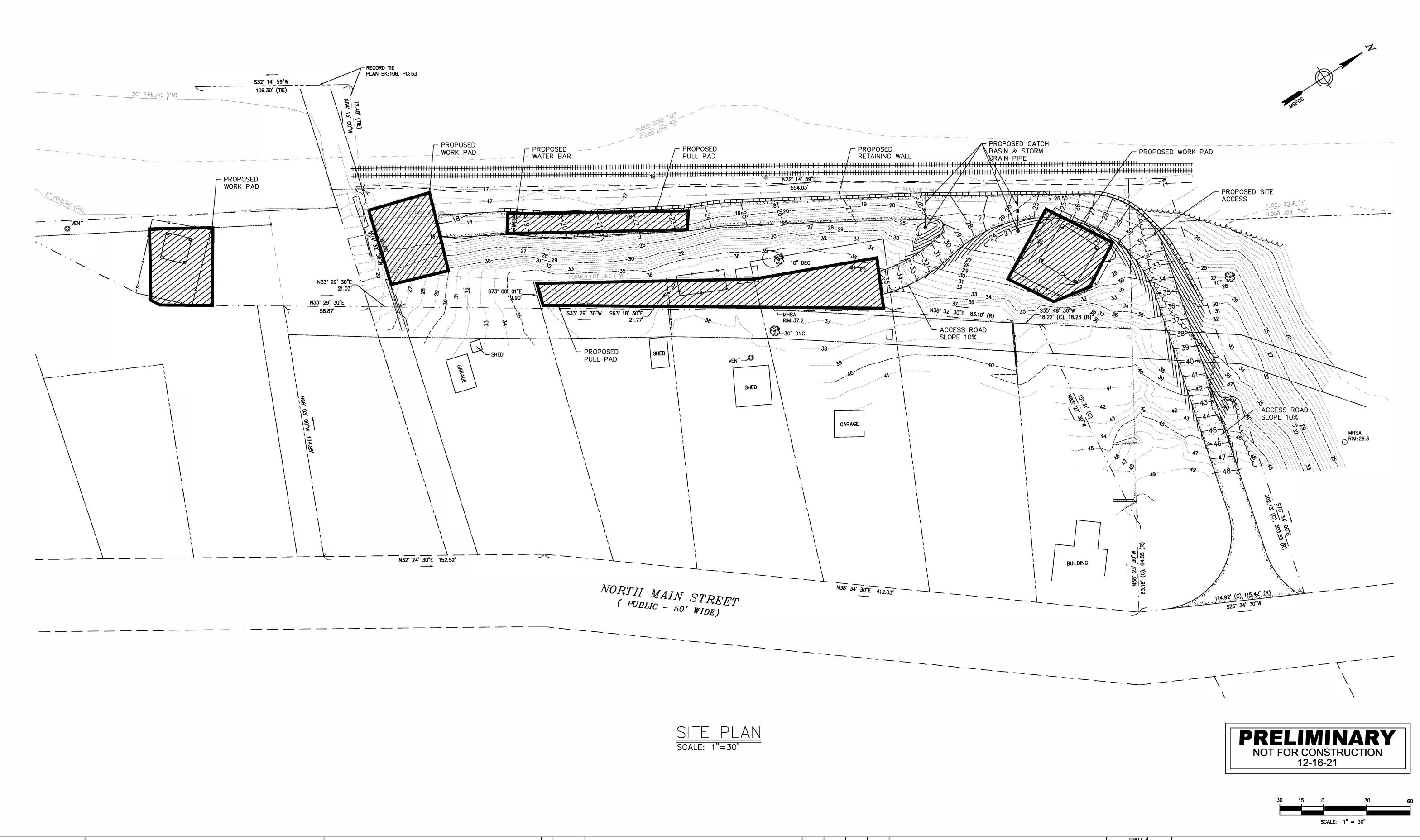


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