

**HISTORIC PROPERTIES
AVOIDANCE AND PROTECTION PLAN:**

**EVERSOURCE ENERGY/MASSACHUSETTS DEPARTMENT
OF CONSERVATION AND RECREATION'S
SUDBURY-HUDSON TRANSMISSION RELIABILITY AND
MASS CENTRAL RAIL TRAIL PROJECT
TOWNS OF HUDSON, MARLBOROUGH,
SUDBURY, AND STOW,
MIDDLESEX COUNTY, MASSACHUSETTS
MHC #RC.62384, EEA #15703.**

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MIDDLESEX COUNTY, MASSACHUSETTS
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Prepared for

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Submitted to

**The Massachusetts Historical Commission
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1.0 INTRODUCTION

Eversource Energy (Eversource) and the Massachusetts Department of Conservation and Recreation (DCR) are proposing a joint project (the “Project”) to construct a new, approximately 9-mile, underground 115-kilovolt electric transmission line and rail trail sited primarily within an unused railroad corridor/right-of-way (ROW) owned by the Massachusetts Bay Transportation Authority (MBTA). This project passes through the municipalities of Sudbury, Hudson, Marlborough, and Stow (Figures 1 and 2). Construction will be conducted in two integrated phases with the majority of the earthwork and the installation of the underground transmission line to be conducted in Phase I and Phase II will consist of the paving and additional ancillary activities associated with the construction of the rail trail.

On behalf of Eversource and the DCR, the following Historic Properties Avoidance and Protection Plan (HPAPP) has been developed by Commonwealth Heritage Group, Inc. (CHG) to protect significant historic and archaeological resources in proximity to the Project’s Limit of Work. An Archaeological Site Avoidance and Protection Plan was requested by the Massachusetts Historical Commission (MHC) for submittal to the MHC (MHC Review Letter to the US Army Corps of Engineers dated December 18, 2019). This document has been revised to incorporate both archaeological and above ground resources and was thus renamed an HPAPP to account for the multiple resource types presented in this document.

This HPAPP consists of three sections: Introduction, Prior Cultural Resources Investigations, and the Avoidance and Protection Plan. The latter includes subsections that address Pre-Construction, Construction and Post-Construction Activities.

2.0 PRIOR CULTURAL RESOURCE STUDIES

The Project requires review and permitting by the US Army Corps of Engineers (USACE) and is being reviewed by the MHC under Section 106 of the National Historic Preservation Act of 1966, as amended (36 CFR 800). The MHC has determined that the project area is within and adjacent to historic and archaeological resources included in the MHC’s Inventory of Historic Assets of the Commonwealth and/or State and/or National Registers of Historic Places (MHC letter dated June 30, 2017). A reconnaissance-level historic properties survey and archaeological reconnaissance survey (under MHC Permit #3783) were conducted by CHG and final reports submitted (Myruski and Meyer 2017; Dudek and Donohue 2018). Based on the results of the reconnaissance surveys, an archaeological intensive (locational) survey was recommended for archaeologically sensitive portions of the Project and two MHC Area Inventory Forms were drafted to document the Central Massachusetts Railroad Corridor Historic District (CMRRCHD) in the Towns of Sudbury (Spies 2020) and Hudson (Benjamin-Ma, et al. 2021). The archaeological intensive (locational) survey was conducted under Permit #3828 issued by the State Archaeologist. Field work was conducted during the summer of 2018 and the final report submitted (Dudek and Donohue 2019).

The archaeological intensive (locational) survey field work identified ten archaeological sites that are considered to be potentially significant (i.e., having the potential to meet the criteria of eligibility for listing on the National Register of Historic Places). Two of the archaeological sites are precontact Native American sites and both sites will be avoided: The Ordway Locus 2 Precontact Site (19-MD-1208) in Hudson consists of a quartz tool, a rhyolite flake, four fire-cracked rocks and a possible fire-related feature; The Ordway Locus 3 Precontact Site (19-MD-1209), also in Hudson, consists of ten pieces of stone chipping debris from tool making and two fire-cracked rocks.

In addition, eight of the ten sites consist of historic archaeological sites. Five railroad station sites and a railroad section tool house associated with the CMRRCHD are present in the Project ROW and include the Gleasondale Station (HUD-HA-8) and the Ordway Station (HUD-HA-9) in Hudson; the Wayside Inn

Station (SUD-HA-38), the South Sudbury Station (SUD-HA-26), the Boston & Maine Railroad Section Tool House (SUD-HA-37) and the East Sudbury Station (SUD-HA-39) in Sudbury. The Boston & Maine Railroad Section Tool House site (SUD-HA-37) includes the standing ca. 1890 section tool house (SUD.282). Intact yard deposits associated with two colonial sites that are primarily located outside of the ROW - the Memorial Forest Cellar Hole (SUD-HA-36) and the Walker Garrison House (SUD-HA-30) - were also identified.

Avoidance and protection of the potentially significant archaeological sites was recommended (Dudek and Donohue 2019). The MHC commented that: “A draft written archaeological site avoidance and protection plan, including stipulations for fencing, signage and contractor briefings, should be prepared by CHG and submitted to the MHC for review and comment” (MHC Review Letter to the USACE dated April 3, 2019).

3.0 AVOIDANCE AND PROTECTION PLAN OF CULTURAL RESOURCES

Table 1. Identified potentially significant archaeological sites and proposed action.

Affected Property			Proposed Action		
Archaeological Site	Site # and town	Segment	Avoidance measures during construction	Burial of site under fill/ geotextile fabric	Figure
Ordway Locus 2 Precontact Site	19-MD-1208 Hudson	5 Main Street to Parmenter Road	Yes		Figure 3
Ordway Locus 3 Precontact Site	19-MD-1209 Hudson	5 Main Street to Parmenter Road	Yes		Figure 3
Gleasondale Station site (CMRRCHD)	HUD-HA-8 Hudson	3 Chestnut Street to Fort Meadow Brook	Partial	X	Figure 4
Ordway Station site (CMRRCHD)	HUD-HA-9 Hudson	6 Parmenter Road to White Pond Road	Yes		Figure 5
Memorial Forest cellar hole	SUD-HA-36 Sudbury	8 Hudson Town Line to Dutton Road	Yes		Figure 6
Walker Garrison House	SUD-HA-30 Sudbury	8 Hudson Town Line to Dutton Road	Yes		Figure 7
Wayside Inn Station site (CMRRCHD)	SUD-HA-38 Sudbury	8 Hudson Town Line to Dutton Road	Yes		Figure 8
South Sudbury Station (CMRRCHD)	SUD-HA-26 Sudbury	11 Horse Pond Road to Union Avenue	Yes		Figure 9
Boston & Maine Railroad Section Tool House (CMRRCHD)	SUD-HA-37 Sudbury	12 Route 20 to Landham Road	Yes		Figure 10
East Sudbury Station site (CMRRCHD)	SUD-HA-39 Sudbury	13 Landham Road to Sudbury Substation	Partial	X	Figure 11

Table 1 lists the ten archaeological sites recommended for avoidance and protection and the proposed measures to be taken. While some of the archaeological sites (Sites 19-MD-1208, 19-MD-1209, SUD-HA-30, and SUD-HA-36) are located outside of the Project's Limit of Work (defined as the maximum extent of ground disturbance during construction activities and shown on Project plans), modifications to the Project route and the Limit of Work have been made to completely avoid four additional sites: HUD-HA-9, SUD-HA-26, SUD-HA-37, and SUD-HA-38. Sites HUD-HA-8 and SUD-HA-39 are partially within the Limit of Work but are being protected from grading or excavation; these sites will be protected by burial of the site within the Limit of Work under the installation of geotextile fabric with clean road-grade fill over the geotextile fabric.

The South Sudbury Railroad Station site (SUD-HA-26) is located west of Union Avenue and south of the railroad under an asphalt-paved driveway and parking area. The 1888 Victorian-style station was demolished in the mid 1950s and no impact to the site is proposed; the site will be protected by the pavement. Prior to demolition of the station, a small Colonial-style depot was constructed in 1952 south of the rail line and east of the former South Sudbury Depot. The 1952 depot was retired from service on January 17, 1965; it is still intact. Avoidance and protection of the ca. 1952 Colonial-style depot is recommended (Figure 9); presently the building has been vacated from the business that was located there recently, but fencing may need to be modified to take into account access to the building or business owner concerns if a business is present at the time of construction.

Central Massachusetts Railroad Corridor Historic District Contributing Resources

In addition to the aforementioned railroad station archaeological sites and the railroad section tool house, a number of other railroad-related features including, but not limited to, bridges, whistle posts, rail rests, signal relay boxes, battery wells, culverts and mile markers were identified and listed as contributing resources to the CMRRCHD. A comprehensive listing of all CMRRCHD contributing resources and the proposed Project actions is presented in Appendix I. A number of these resources will be either removed, replaced, rehabilitated, or altered. These resources include the rails and wood ties (SUD.933 and SUD.934 – MHC Inventory #s for rails and wood ties in Hudson are TBD), with the exception of two sections of spur track located west of Union Avenue and west of Boston Post Road as outlined in the Project plans, Bridge 127 (SUD.901), Bridge 128 (SUD.900), Bridge 130 (MHC Inventory # TBD), Culvert 125B (No MHC Inventory # on form), Culvert 126D (SUD.940), Culvert 127A (SUD.945), and the stone retaining wall at MP 23.95 (MHC Inventory # TBD).

For the remaining contributing resources, individual proposed project actions, along with their mile post and VHB Station locations (present on the Project plan sets) are summarized in Table 2. These impacts were updated after an initial review with the Phase I construction contractor on 1/27/2022. Of these resources, any located well outside the Limit of Work shall be retained and protected with construction fencing and signage that shall be installed in consultation with and approved by the cultural resource consultant (see *Resources to be Avoided* in Table 2). The consultant shall be given 24 hours advanced notice before any construction activities within the immediate vicinity of the feature occurs.

The resources located within the Project's Limit of Work will need to be removed and reset in a new location, but will be reset as close as possible to their original location (see *Resources within Limit of Work to be Removed & Reset* in Table 2). Lastly, a number of additional features are located at the very limit of or directly adjacent to the Limit of Work and will need additional contractor input during construction as to whether or not these objects will need to be removed and reset (see *Resources at very limit of or directly adjacent to Limit of Work and will be Avoided or Removed & Reset* in Table 2); whenever feasible these features will be preserved *in situ*.

Table 2. Identified CMRRCHD contributing resources and proposed action.

Contributing Resource	MHC#	MP	VHB STA	Town
Resources to be Avoided				
Section Tool House	SUD.282	19.75	712+20	Sudbury
South Sudbury Station	SUD.396	19.99	601+50	Sudbury
Telegraph Poles (approx. 23 in total)*	SUD.935	Various	Various	Sudbury
Culvert 126A	SUD.936	18.96	752+17	Sudbury
Milepost	SUD.937	19.00	751+50	Sudbury
Culvert 126B	SUD.938	19.06	747+39	Sudbury
Battery Well for Distant Approach Signal	SUD.942	19.26	736+45	Sudbury
Whistle Post - W on east face, N of tracks	SUD.946	19.73	712+80	Sudbury
Concrete base for Auto Highway Flashers	SUD.947	19.76	711+80	Sudbury
Concrete base for Auto Highway Flashers	SUD.948	19.76	710+90	Sudbury
Signal Relay Box (mast only)	SUD.949	19.76	710+85	Sudbury
Culvert 127B	SUD.950	19.87	704+56	Sudbury
Concrete Bases for Highway Signal	SUD.951	19.97	602+45	Sudbury
Signal Relay Box	SUD.961	20.13	594+50	Sudbury
Culvert 127C	SUD.962	20.14	593+18	Sudbury
Signal Relay Box	SUD.963	20.34	585+00	Sudbury
Wood Post	SUD.964	20.34	584+60	Sudbury
Culvert 127D	SUD.966	20.44	577+31	Sudbury
Culvert 127E	SUD.970	20.75	560+82	Sudbury
Signal Relay Box	SUD.972	20.79	555+50	Sudbury
Milepost B21 N83	SUD.976	21.00	548+80	Sudbury
Culvert 127F	SUD.979	21.18	539+40	Sudbury
Wood Post, south side of ROW	SUD.982	21.36	529+80	Sudbury
Culvert 127G	SUD.983	21.40	527+30	Sudbury
Culvert 127H	SUD.984	21.51	521+64	Sudbury
Culvert 127I	SUD.985	21.58	517+96	Sudbury
Whistle Post (broken) - S side of tracks	SUD.986	21.58	517+50	Sudbury
Rail Rest	SUD.988	21.94	414+15	Sudbury
Milepost B22 N82	SUD.989	22.00	413+05	Sudbury
Culvert 127J	SUD.990	22.05	410+25	Sudbury
Culvert 129A	SUD.992	22.83	368+80	Sudbury
Farm Crossing	TBD	18.79	761+25	Sudbury
Milepost	TBD	23	360+20	Hudson
Rail Rest	TBD	23.05	357+90	Hudson
Telegraph Pole	TBD	23.06	357+25	Hudson
Milepost	TBD	24	307+30	Hudson
Culvert 129C	TBD	24.3	206+15	Hudson
Cattle pass	TBD	25.83	124+90	Hudson
Milepost	TBD	26	114+25	Hudson
Culvert 132A	TBD	26.12	107+90	Hudson
Resources within Limit of Work to be Removed & Reset				
Poured Concrete base for Signal Relay Box/Battery Well	SUD.944	19.60	718+10	Sudbury
Milepost	SUD.953	20.00	601+60	Sudbury
Concrete bases & steel posts for Signal/Electrical boxes (5)	SUD.955	20.00	600+60	Sudbury
Diamond junction with Framingham & Lowell RR	SUD.956	20.02	600+50	Sudbury

Signal Relay Box	SUD.968	20.59	570+05	Sudbury
Whistle Post	SUD.969	20.63	569+15	Sudbury
Crossing Sign Base	SUD.971	20.79	555+65	Sudbury
Wood Post North Side of ROW	SUD.980	21.29	531+90	Sudbury
Conduit Pipe Derail Switch	TBD	23.33	343+35	Hudson
Concrete base well	TBD	24.36	201+10	Hudson
Whistle post (N)	TBD	24.5	195+75	Hudson
Wood Post	TBD	24.72	183+55	Hudson
Utility Pole	TBD	24.76	182+20	Hudson
Track Switch Stand with Electrical Box	TBD	24.8	179+15	Hudson
Concrete Box	TBD	24.89	174+90	Hudson
Milepost	TBD	25	167+75	Hudson
Rail Rest	TBD	25	167+55	Hudson
Rail Rest	TBD	26	114+60	Hudson
Resources at very limit of or directly adjacent to Limit of Work and will be Avoided or Removed & Reset				
Rail Rest	SUD.939	19.21	743+75	Sudbury
Distant Approach Signal	SUD.941	19.26	736+55	Sudbury
Signal Relay Box	SUD.943	19.37	729+60	Sudbury
Electric Switch Box**	TBD	19.75	710 +85	Sudbury
Concrete Sign Post	SUD.952	19.98	602+10	Sudbury
3 Switch Stands	SUD.954	20.00	600+60	Sudbury
Wood whistle/stop sign post	SUD.957	20.02	600+80	Sudbury
Signal Relay Box	SUD.958	20.07	598+55	Sudbury
Concrete Base for Signal E2	SUD.959	20.07	598+55	Sudbury
Rail Rest	SUD.960	20.09	596+90	Sudbury
Tall Concrete Sign Post	SUD.965	20.39	581+10	Sudbury
Rail Rest	SUD.967	20.55	570+65	Sudbury
Distant Approach Interlocking Signal #M208	SUD.973	20.80	551+50	Sudbury
Battery Well for Interlocking Signal #M208	SUD.974	20.80	551+45	Sudbury
Rail Rest	SUD.975	20.98	549+05	Sudbury
Whistle Post – eastbound, S side of tracks	SUD.977	21.13	542+55	Sudbury
Signal Relay Box	SUD.978	21.16	540+85	Sudbury
Auto Highway Flashers/Signal Relay Cabinet	SUD.981	21.35	530+60	Sudbury
Whistle Post - westbound, N of tracks	SUD.987	21.66	513+15	Sudbury
Whistle Post - W on west face, S of tracks	SUD.991	22.19	403+70	Sudbury
Section post	TBD	24	307+30	Hudson
Rail Rest	TBD	24.09	302+60	Hudson
Whistle post (S)	TBD	24.4	200+10	Hudson
Wood Post	TBD	24.78	180+80	Hudson

*Only one of the approximately 23 telegraph poles in Sudbury will need to be removed due to recently identified safety concerns and the remaining will be avoided. The pole to be removed is adjacent to the Diamond Junction.

**Recently identified by Eversource/DCR and not included on CMRRCHD Inventory Form within the Town of Sudbury (Spies 2020).

The removal and resetting of the railroad features identified as contributing resources will be directed by several guidelines:

- 1) Any features to be removed and reset will be photographed beforehand.
- 2) Those features that are in the Project’s Limit of Work will be removed and reset. Whenever feasible, features will be preserved *in situ*.
- 3) If features need to be removed and reset, they will be reset as close as possible to their original location.
- 4) If a feature consists of multiple objects (e.g., SUD.955) the spatial association of these objects will be documented prior to removal and the minimum number of objects will be removed and reset.

- 5) If a feature is closely associated with another feature (e.g., SUD.941 and SUD.942), the spatial association of these objects will be documented prior to removal. If both features need to be reset, the original spatial organization will be maintained when reset, as best as possible. If only one feature needs to be removed and reset, the feature to be removed will be reset in a location a similar distance from the second feature, as best as possible.
- 6) Any feature that is currently leaning will be reset in their original, upright, position, as best as possible, unless this requires additional alteration of or repairs to the object.
- 7) Other than resetting features in an upright position, no attempts will be made to further alter or repair the current condition of the RR features.
- 8) Removal and resetting shall only be done after consultation with the cultural resource consultant, who shall specify the methodology used to remove, protect, and reset the feature, as well as determining the most appropriate location for the resetting of features.
- 9) If there is more than one day's delay between removal and resetting of a feature, the object will be stored on site within the MBTA ROW, but outside the Limit of Work. The resource will be fenced off with high visibility fencing and marked with *No Trespassing* signs until the time in which it can be reset.
- 10) Although not anticipated, if any railroad features are significantly damaged during the removal and resetting process, the feature will be carefully placed outside the Limit of Work, but within the MBTA ROW, and protected with high visibility fencing placed around the feature along with *No Trespassing* signage. Eversource and the DCR will consult with the MHC and the USACE to determine appropriate next steps.

Granite Town-Line Marker

In addition to the historic properties covered under this HPAPP, the Sudbury-Hudson-Marlborough town boundary marker near Old Concord Road will also require protection measures under this Plan (Figure 12). The town boundary location is presently marked with a granite post measuring 10 inches wide and with a height of 47 inches above the ground surface. The post is marked on the west side with the date of "1993"; on the north side with "H" for Hudson; on the east side with "S" for Sudbury; and on the south side with "M" for Marlborough. No railroad ties and tracks are in this area and the present marker was presumably installed around 1993, as the date on the stone suggests. Since the present granite marker is less than 50 years of age, it is not considered to be potentially eligible for the National Register of Historic Places. However, avoidance and protection of the town boundary stone is planned as the marker is protected under Massachusetts General Laws Chapter 42, Boundaries of Cities and Town, Sections 1-12 (www.massachusettsgenerallaws.com/generallaws.htm). Modifications to the Project route and the Limit of Work have been made to avoid the marker (Figure 12).

Avoidance and Protection Measures

Avoidance and protection measures for the resources include installing high-visibility temporary fencing (i.e., orange construction fence) around the resources or for archaeological sites, at key locations such as along the edges of the Project's Limit of Work and the sensitive cultural resource area, as noted in Figures 3 to 12. Signs with *No Trespassing* should be posted along the fence to indicate that these are off-limits areas. No access or impacts are allowed within the fenced areas. Construction personnel and contractors will be instructed to neither perform nor permit any construction, excavation, grading, tree stumping, filling, dumping, or the storage or staging of equipment vehicles, or supplies within the boundaries of the fenced area. Monitoring or flagging of the areas by CHG can assist in facilitating the employment of protection measures (i.e., placement of fencing). For sites HUD-HA-8 and SUD-HA-39 a CHG Project Archaeologist will monitor the installation of geotextile fabric and clean road-grade fill as necessary to assist in the accurate placement of protective fill over the archaeological sites.

CHG cultural resource personnel will make field visits to ensure that the avoidance and protective measures are carried out as specified, with photographic documentation prior to, during and after construction. The pre-construction, construction, and post-construction elements of the HPAPP for the Project are detailed below:

3.1 PRE-CONSTRUCTION PHASE

A pre-construction meeting will be held with Project personnel and contractors and CHG's Principal Investigator to review these measures.

The pre-construction activities will involve the following:

- Pre-construction site inspection;
- Photography;
- Construction personnel briefing; and
- High-visibility fencing with *No Trespassing* signs along the sensitive cultural resource areas to be protected.

3.2 CONSTRUCTION PHASE

Construction will be conducted in two integrated phases with the majority of the earthwork and the installation of the underground transmission line to be conducted in Phase I; Phase II will consist of paving and other activities associated with the construction of the rail trail. The majority of the removal and resetting of railroad features will be performed during Phase I of construction.

CHG cultural resource personnel will be available during the course of Phase I of construction work as needed, which will include the monitoring and other activities identified above. For Phase II construction activities, the DCR staff archaeologist or another qualified professional archaeologist will also be available for any necessary monitoring activities.

The construction activities will include the following:

- Avoidance of the fenced sensitive cultural resource areas;
- Monitoring of the installation of geotextile fabric and clean road-grade fill at Sites HUD-HA-8 and SUD-HA-39;
- Specification of the methodology used to remove, preserve, and reset the railroad features;
- Monitoring the removal and resetting of the railroad features; and
- Response, reporting, and corrective actions if these conditions are not met.

3.3 POST-CONSTRUCTION PHASE

CHG cultural resource personnel will conduct a post-construction inspection immediately after the construction phase of the Project to evaluate the condition of the archaeologically sensitive areas and determine whether or not project-related impacts had taken place within the protected areas. The findings of the inspection will be reported to the MHC and the USACE via a memorandum.

The post-construction activities will include the following:

- Fence and sign removal;
- Post-construction site inspection;

- Photography; and
- Post-construction memorandum.

4.0 REFERENCES CITED

Benjamin-Ma, Nicole, Quinn Stuart and David Gutbrod

2021 *MHC Inventory Form A – Central Massachusetts Railroad Corridor, Town of Hudson*. Inventory Form submitted to the Massachusetts Historical Commission, Boston, MA.

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2018 *Archaeological Reconnaissance Survey for the Sudbury-Hudson Transmission Reliability Project, Towns of Sudbury, Hudson, Marlborough, and Stow, Middlesex County, Massachusetts*. Report submitted to the Massachusetts Historical Commission, Boston, MA.

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2019 *Archaeological Intensive (Locational) Survey for the Sudbury-Hudson Transmission Reliability Project, Towns of Sudbury, Hudson, Marlborough, and Stow, Middlesex County, Massachusetts*. Report submitted to the Massachusetts Historical Commission, Boston, MA.

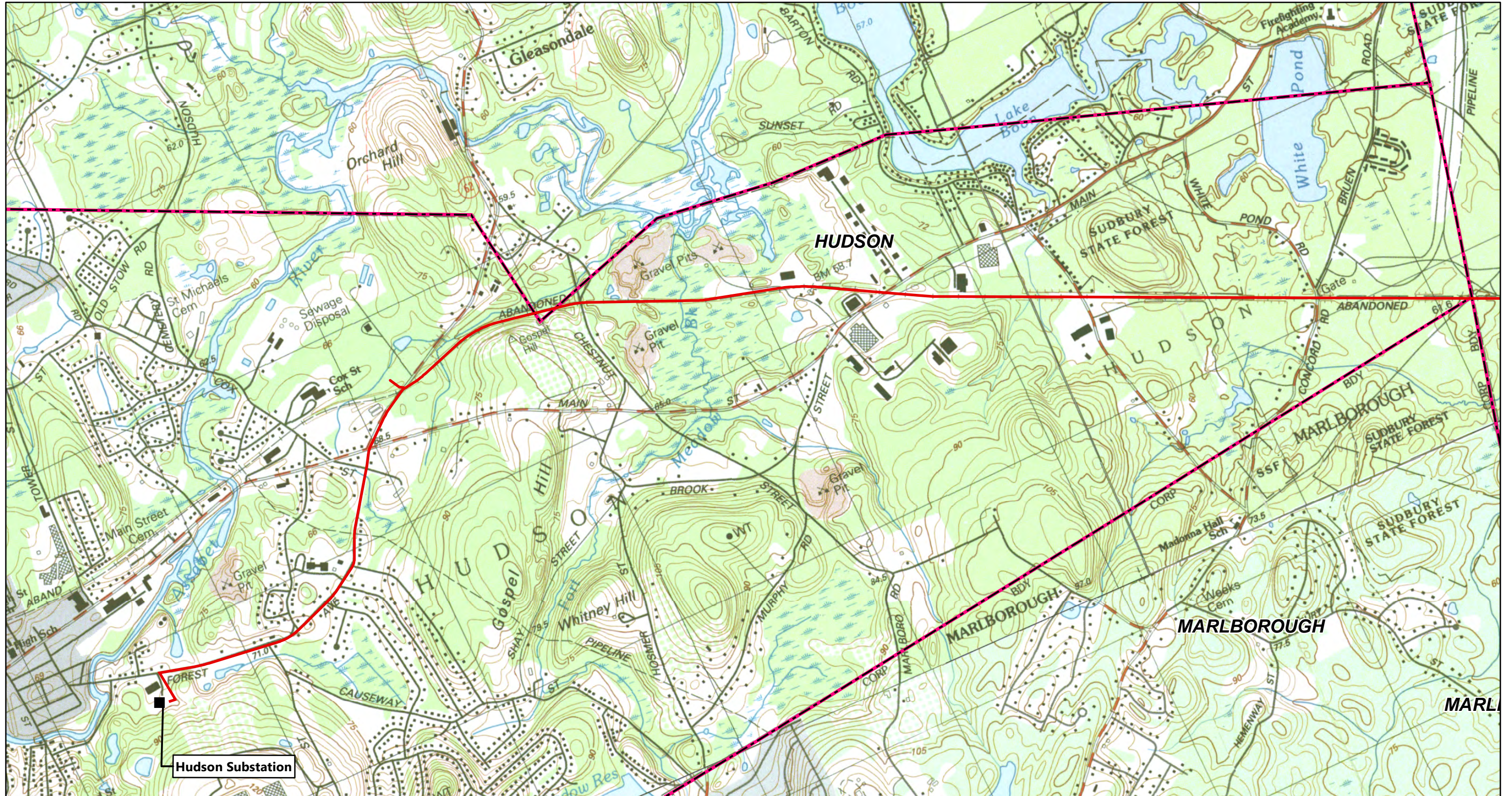
Myruski, Candice N. and Richard Meyer

2017 *Sudbury-Hudson Transmission Reliability Project Town of Sudbury, City of Marlborough, Town of Stow, and Town of Hudson, Middlesex County, Massachusetts MHC No. RC.62384; EEA No. 15703 Reconnaissance-Level Historic Properties Survey*. Report submitted to the Massachusetts Historical Commission, Boston, MA.

Spies, Stacy E.

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Figures



- Project
- Substation Location
- ▭ Municipal Boundary

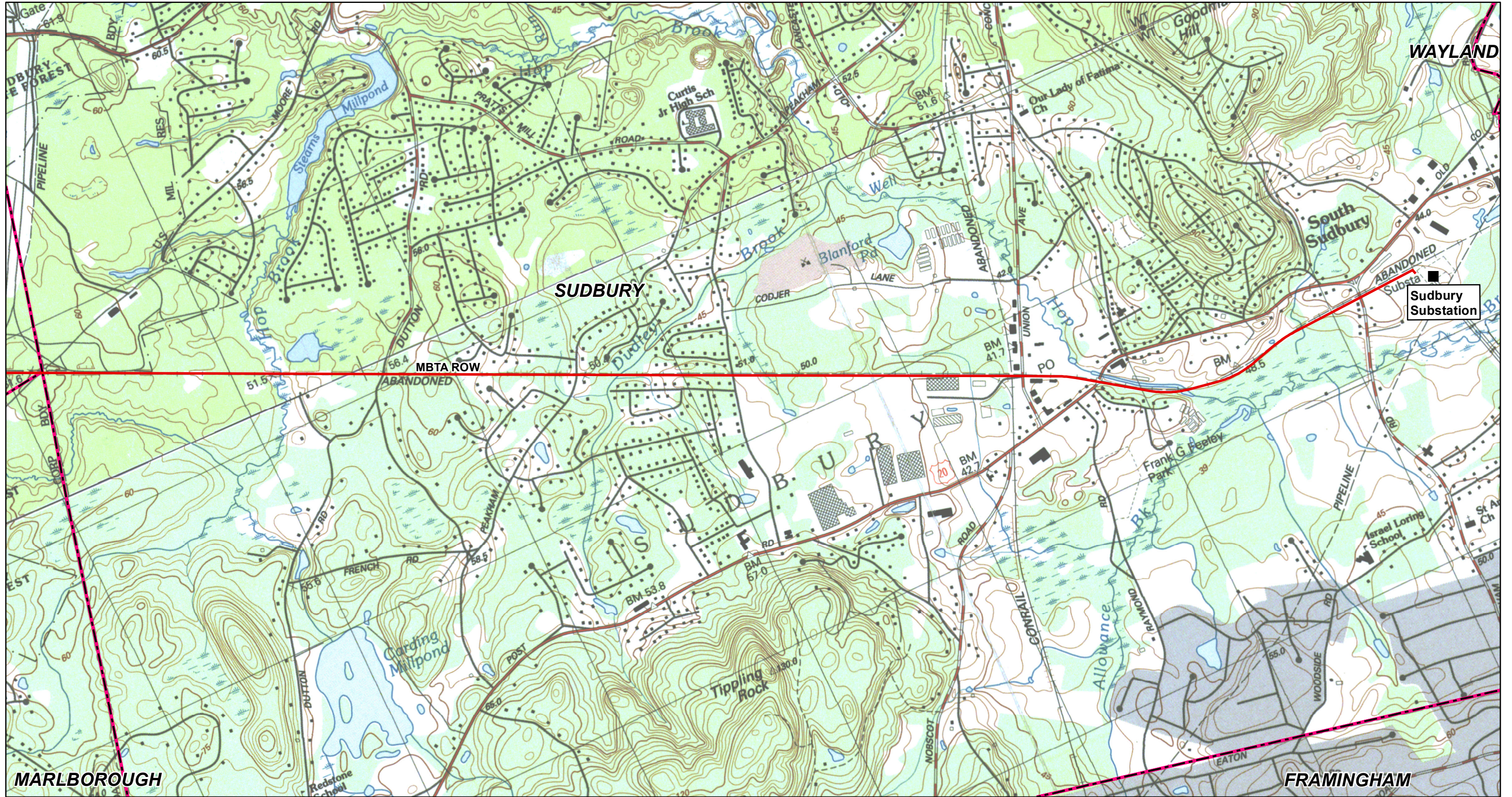


Figure 1: Sudbury-Hudson Transmission Reliability and Mass Central Rail Trail Project, Hudson Locus Map (USGS)



Source:
MassGIS, VHB
12/23/2019

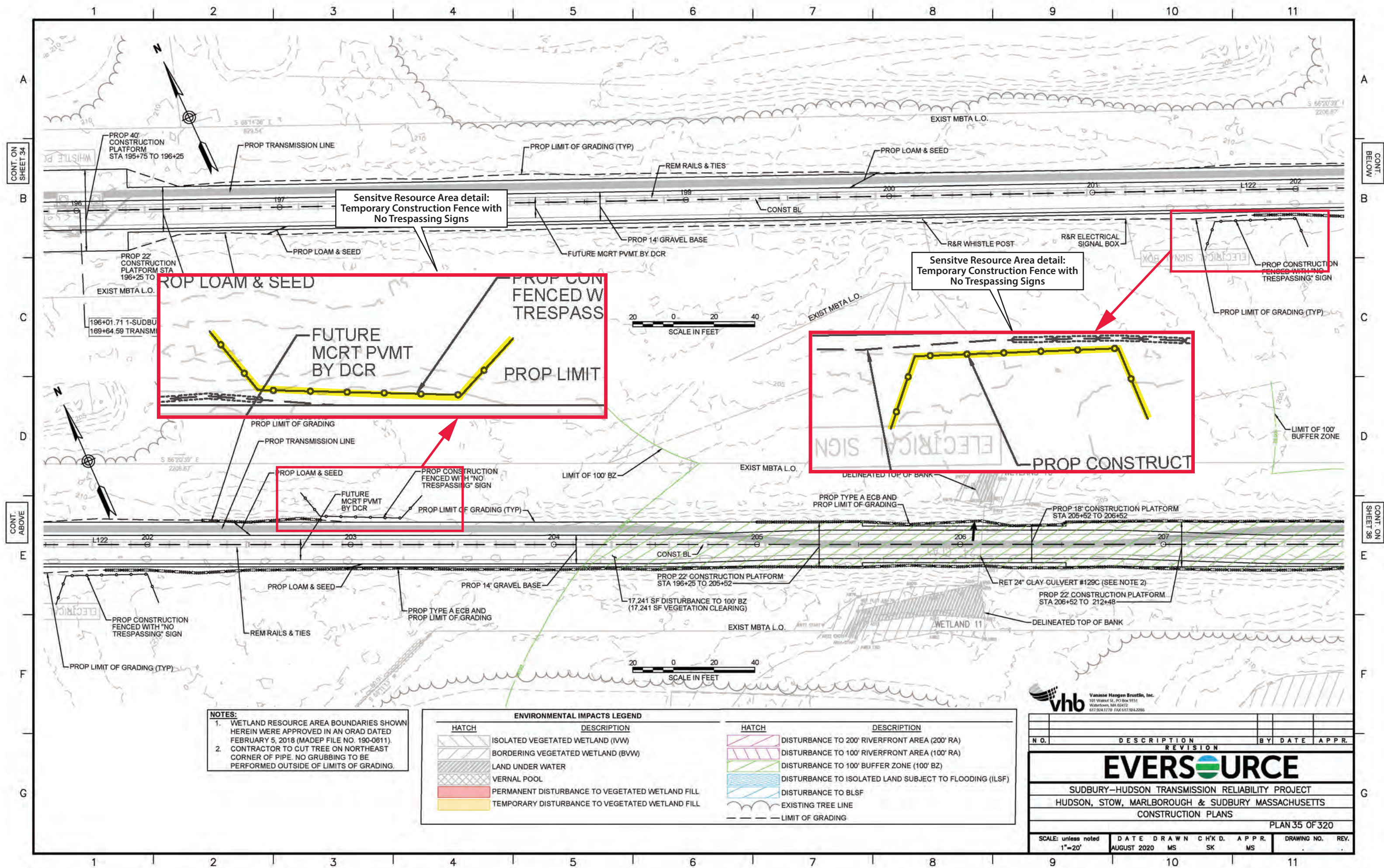




- Project
- Substation Location
- Municipal Boundary

Figure 2: Sudbury-Hudson Transmission Reliability and Mass Central Rail Trail Project, Sudbury Locus Map (USGS)





- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED FEBRUARY 5, 2018 (MADEP FILE NO. 190-0611).
 2. CONTRACTOR TO CUT TREE ON NORTHEAST CORNER OF PIPE. NO GRUBBING TO BE PERFORMED OUTSIDE OF LIMITS OF GRADING.

ENVIRONMENTAL IMPACTS LEGEND		ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION	HATCH	DESCRIPTION
[Hatch: Diagonal lines, top-left to bottom-right]	ISOLATED VEGETATED WETLAND (IWW)	[Hatch: Diagonal lines, top-right to bottom-left]	DISTURBANCE TO 200' RIVERFRONT AREA (200' RA)
[Hatch: Diagonal lines, bottom-left to top-right]	BORDERING VEGETATED WETLAND (BVW)	[Hatch: Horizontal lines]	DISTURBANCE TO 100' RIVERFRONT AREA (100' RA)
[Hatch: Stippled pattern]	LAND UNDER WATER	[Hatch: Vertical lines]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ)
[Hatch: Dotted pattern]	VERNAL POOL	[Hatch: Wavy lines]	DISTURBANCE TO ISOLATED LAND SUBJECT TO FLOODING (ILSF)
[Hatch: Red solid fill]	PERMANENT DISTURBANCE TO VEGETATED WETLAND FILL	[Hatch: Blue wavy lines]	DISTURBANCE TO BLSF
[Hatch: Yellow solid fill]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND FILL	[Hatch: Dashed line]	EXISTING TREE LINE
		[Hatch: Dashed line]	LIMIT OF GRADING

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 617.924.3179 FAX 617.924.2986

N.O.	DESCRIPTION	REVISION	BY	DATE	APPR.

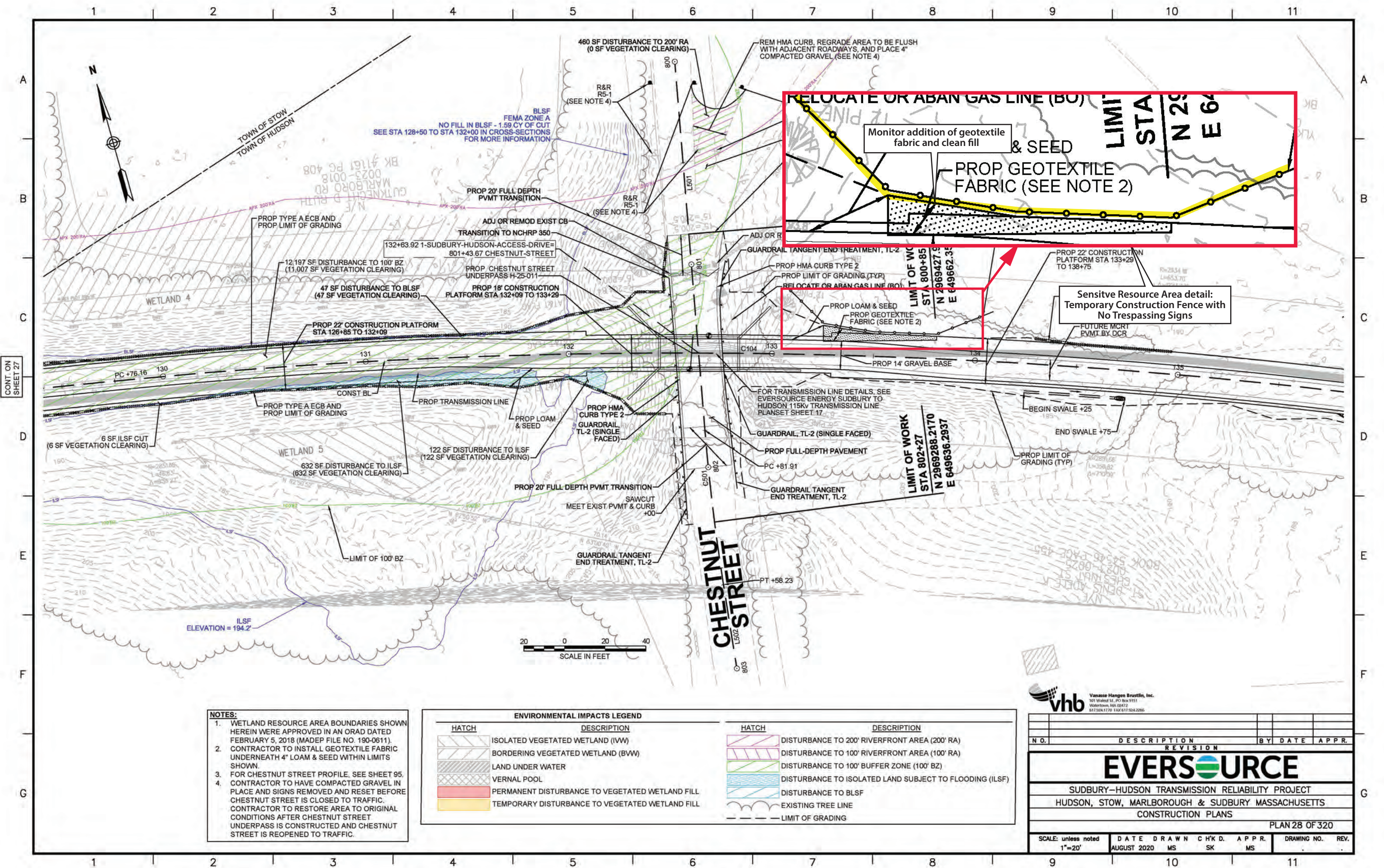
EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
 HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
 CONSTRUCTION PLANS

PLAN 35 OF 320

SCALE: unless noted	DATE	DRAWN	CHK'D.	APPR.	DRAWING NO.	REV.
1"=20'	AUGUST 2020	MS	SK	MS		

Figure 3. Avoidance and protection measures for sensitive cultural resource areas 19-MD-1208 and 19-MD-1209.



- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED FEBRUARY 5, 2018 (MADEP FILE NO. 190-0611).
 2. CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 4" LOAM & SEED WITHIN LIMITS SHOWN.
 3. FOR CHESTNUT STREET PROFILE, SEE SHEET 95.
 4. CONTRACTOR TO HAVE COMPACTED GRAVEL IN PLACE AND SIGNS REMOVED AND RESET BEFORE CHESTNUT STREET IS CLOSED TO TRAFFIC. CONTRACTOR TO RESTORE AREA TO ORIGINAL CONDITIONS AFTER CHESTNUT STREET UNDERPASS IS CONSTRUCTED AND CHESTNUT STREET IS REOPENED TO TRAFFIC.

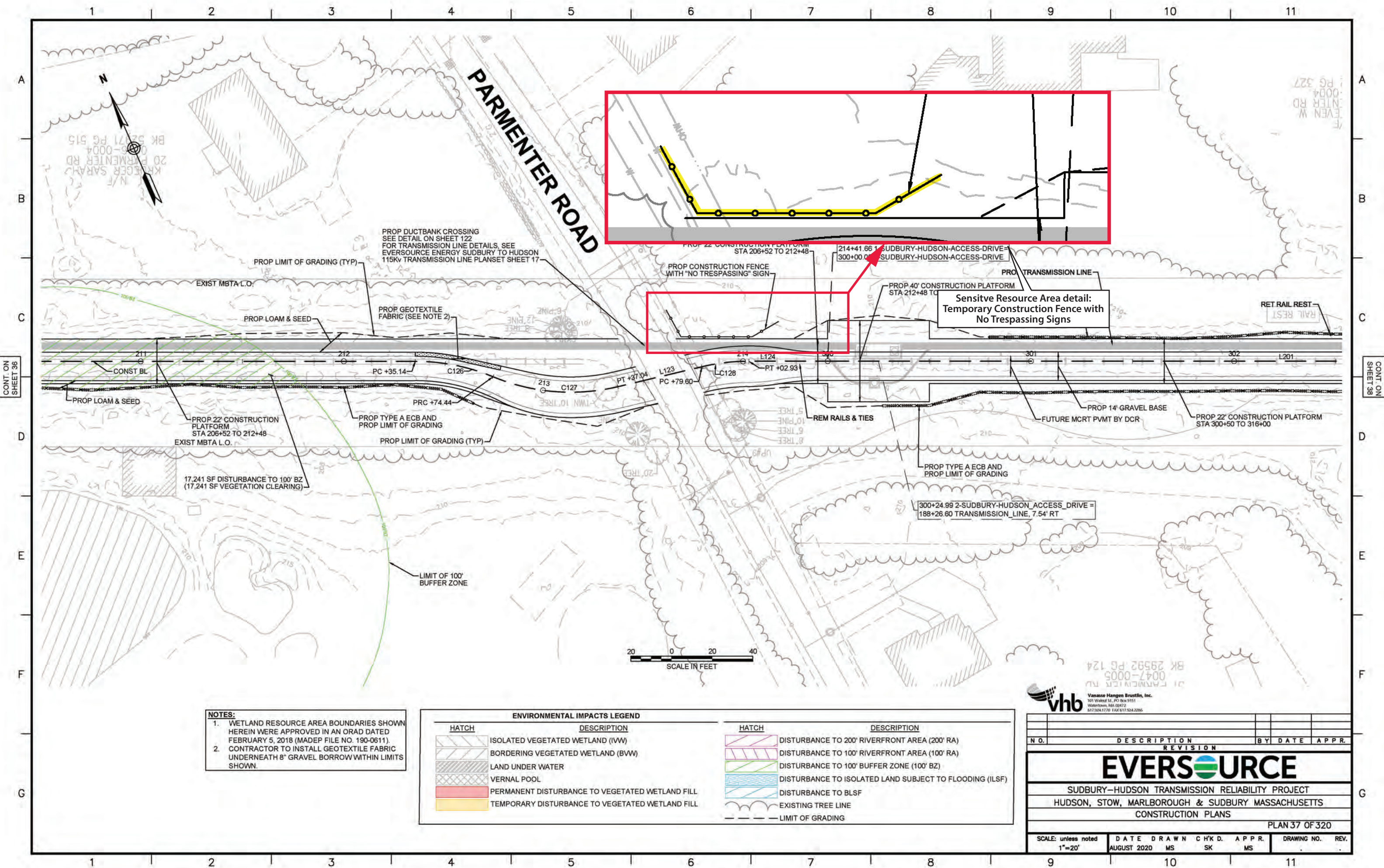
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND (IWW)
	BORDERING VEGETATED WETLAND (BVW)
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND FILL
	TEMPORARY DISTURBANCE TO VEGETATED WETLAND FILL

HATCH	DESCRIPTION
	DISTURBANCE TO 200' RIVERFRONT AREA (200' RA)
	DISTURBANCE TO 100' RIVERFRONT AREA (100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ)
	DISTURBANCE TO ISOLATED LAND SUBJECT TO FLOODING (ILSF)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

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NO.	DESCRIPTION	BY	DATE	APPR.
REVISION				
EVERSOURCE				
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT				
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS				
CONSTRUCTION PLANS				
PLAN 28 OF 320				
SCALE: unless noted 1"=20'	DATE AUGUST 2020	DRAWN MS	CHK'D. SK	APPR. MS
				DRAWING NO. REV.

Figure 4. Avoidance and protection measures for sensitive cultural resource area HUD-HA-8.



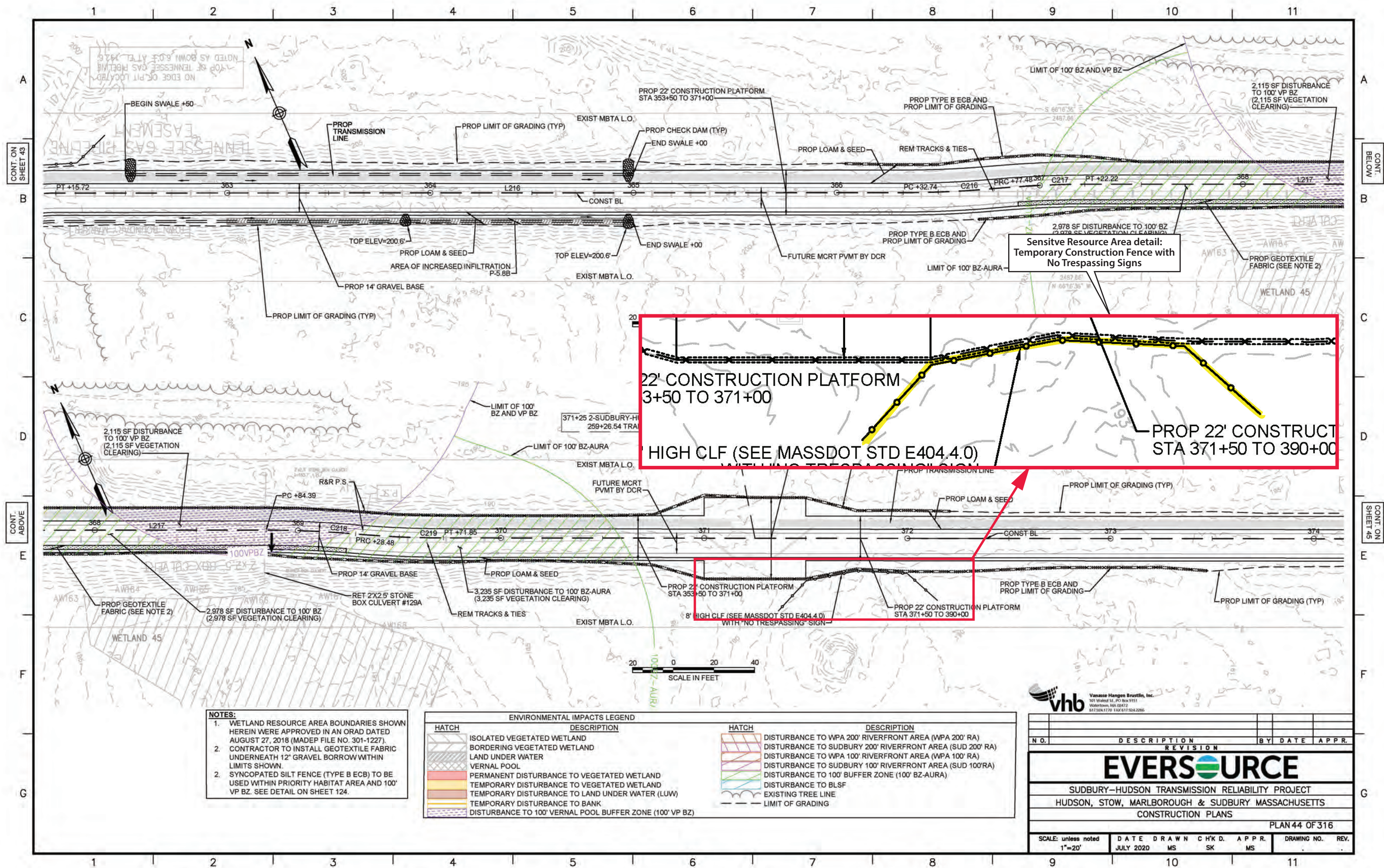
- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED FEBRUARY 5, 2018 (MADEP FILE NO. 190-0611).
 2. CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 8" GRAVEL BORROW WITHIN LIMITS SHOWN.

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND (IWW)
	BORDERING VEGETATED WETLAND (BWW)
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND FILL
	TEMPORARY DISTURBANCE TO VEGETATED WETLAND FILL
	DISTURBANCE TO 200' RIVERFRONT AREA (200' RA)
	DISTURBANCE TO 100' RIVERFRONT AREA (100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ)
	DISTURBANCE TO ISOLATED LAND SUBJECT TO FLOODING (ILSF)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

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NO.	DESCRIPTION	BY	DATE	APPR.
REVISION				
EVERSOURCE				
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT				
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS				
CONSTRUCTION PLANS				
PLAN 37 OF 320				
SCALE: unless noted 1"=20'	DATE AUGUST 2020	DRAWN MS	CHK'D. SK	APPR. MS
				DRAWING NO.
				REV.

Figure 5. Avoidance and protection measures for sensitive cultural resource area HUD-HA-9.



- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227). CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 12" GRAVEL BORROW WITHIN LIMITS SHOWN.
 2. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
	TEMPORARY DISTURBANCE TO BANK
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

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N.O.	DESCRIPTION	REVISION	BY	DATE	APPR.
EVERSOURCE					
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT					
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS					
CONSTRUCTION PLANS					
PLAN 44 OF 316					
SCALE: unless noted 1"=20'	DATE JULY 2020	DRAWN MS	C'H'K D. SK	APPR. MS	DRAWING NO. REV.

Figure 6. Avoidance and protection measures for sensitive cultural resource area SUD-HA-36.

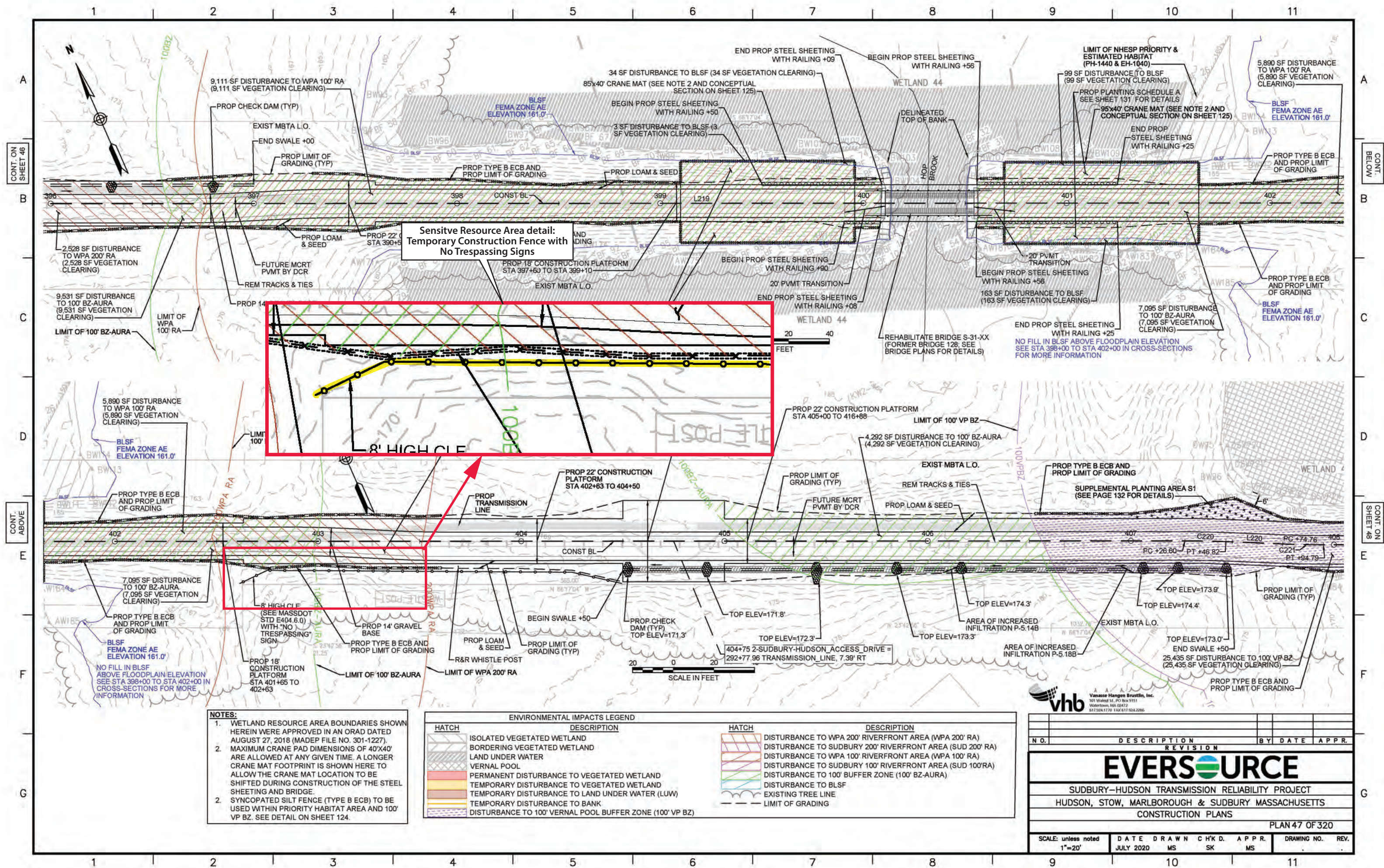
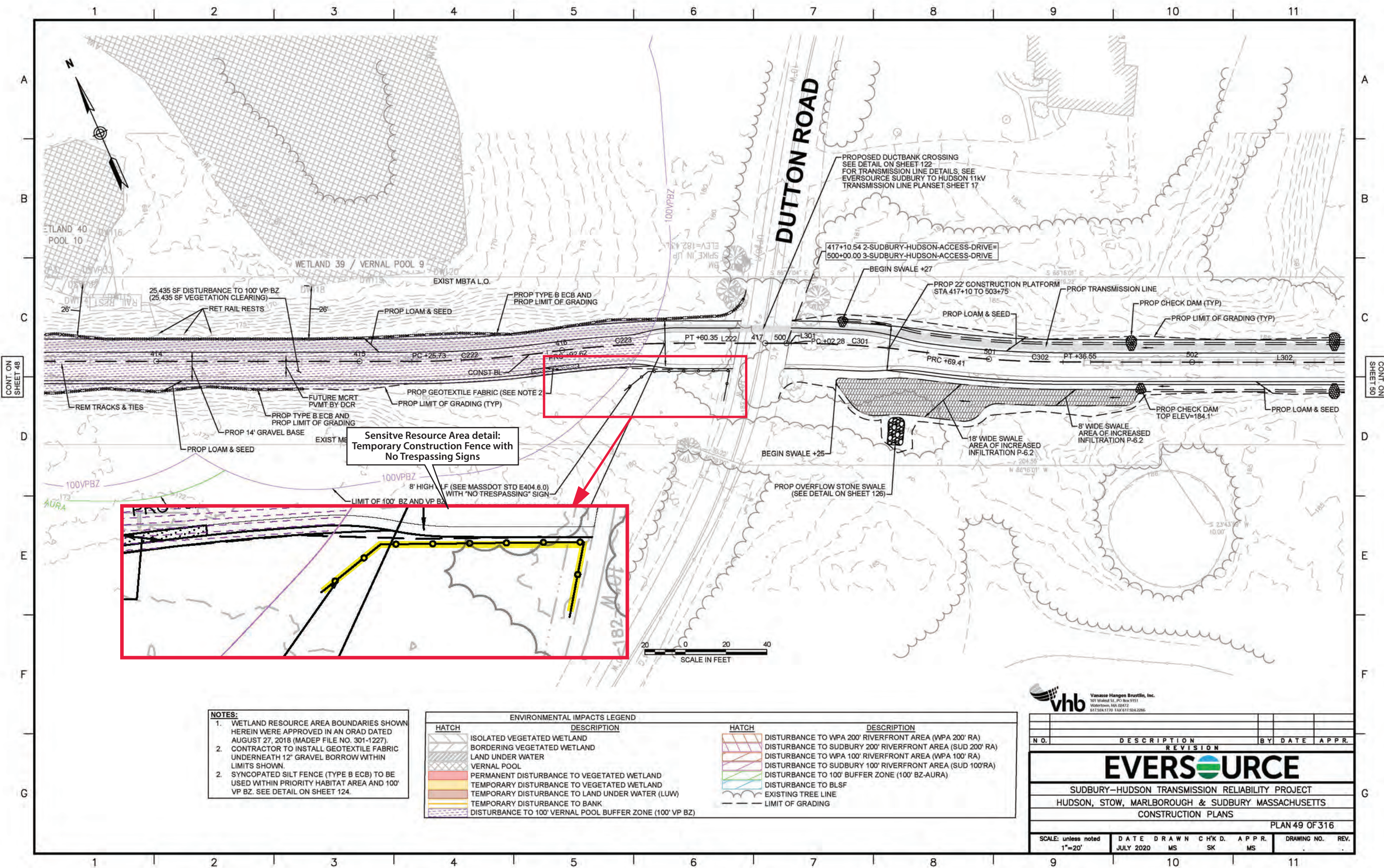


Figure 7. Avoidance and protection measures for sensitive cultural resource area SUD-HA-30.



- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 12" GRAVEL BORROW WITHIN LIMITS SHOWN.
 2. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
[Hatched pattern]	ISOLATED VEGETATED WETLAND
[Hatched pattern]	BORDERING VEGETATED WETLAND
[Hatched pattern]	LAND UNDER WATER
[Hatched pattern]	VERNAL POOL
[Hatched pattern]	PERMANENT DISTURBANCE TO VEGETATED WETLAND
[Hatched pattern]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
[Hatched pattern]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
[Hatched pattern]	TEMPORARY DISTURBANCE TO BANK
[Hatched pattern]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
[Hatched pattern]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched pattern]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched pattern]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched pattern]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched pattern]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched pattern]	DISTURBANCE TO BLSF
[Hatched pattern]	EXISTING TREE LINE
[Hatched pattern]	LIMIT OF GRADING

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NO.	DESCRIPTION	REVISION	BY	DATE	APPR.
EVERSOURCE					
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT					
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS					
CONSTRUCTION PLANS					
PLAN 49 OF 316					
SCALE: unless noted 1"=20'	DATE JULY 2020	DRAWN MS	CHK'D. SK	APPR. MS	DRAWING NO. REV.

Figure 8. Avoidance and protection measures for sensitive cultural resource area SUD-HA-38.

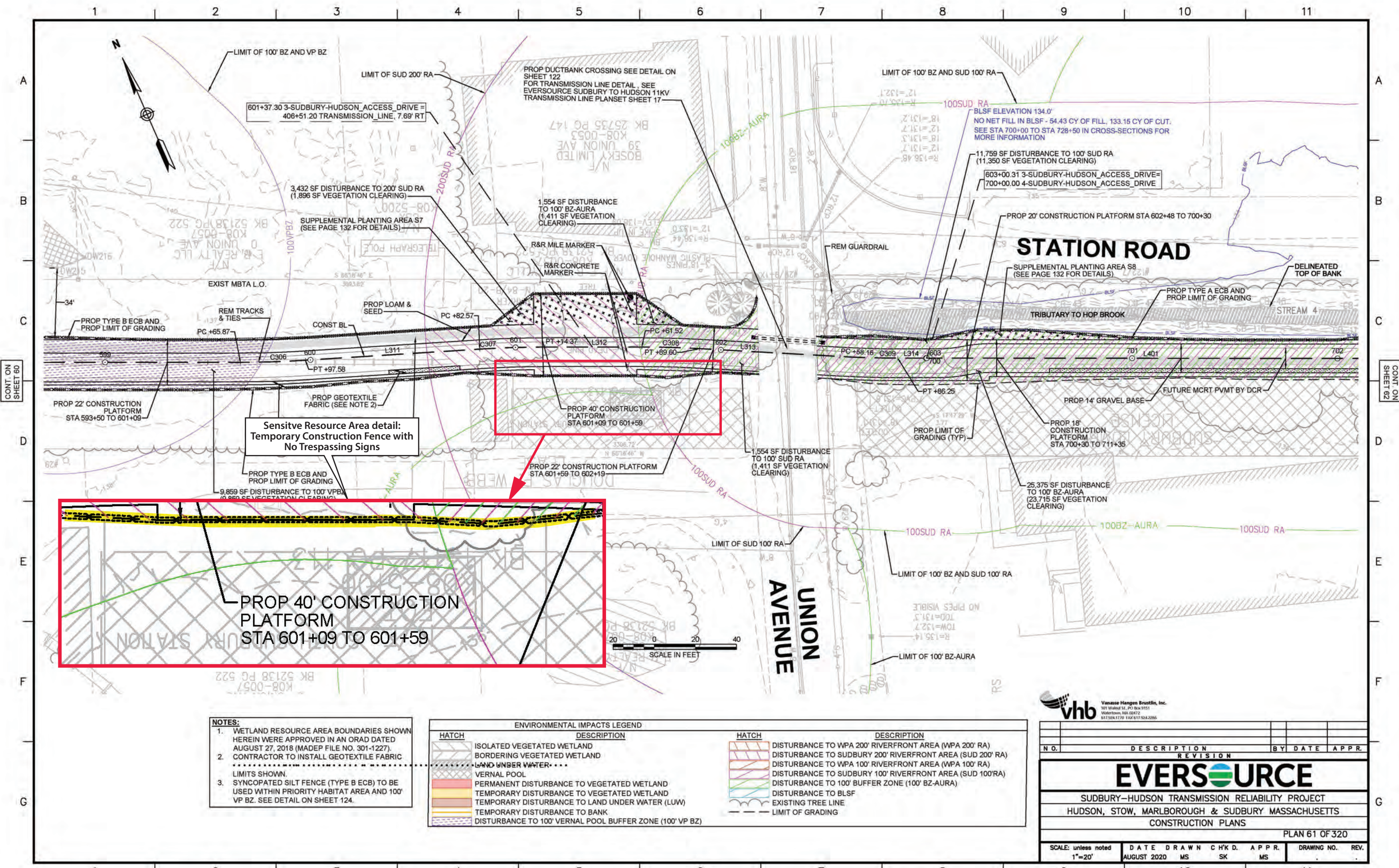
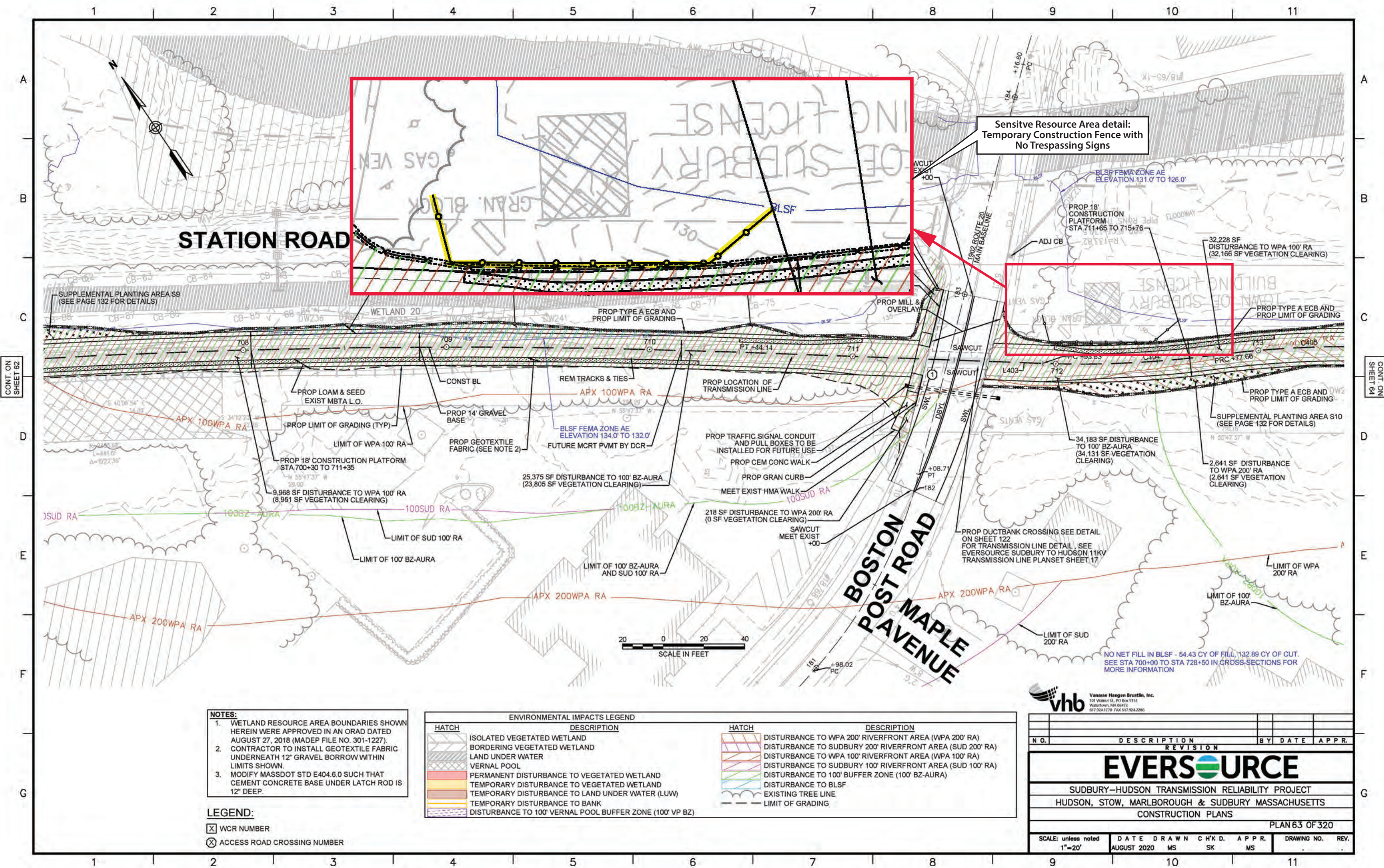


Figure 9. Avoidance and protection measures for sensitive cultural resource area SUD-HA-26.



Sensitive Resource Area detail:
Temporary Construction Fence with
No Trespassing Signs

CONT. ON
SHEET 62

CONT. ON
SHEET 64

- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 12" GRAVEL BORROW WITHIN LIMITS SHOWN.
 3. MODIFY MASSDOT STD E404.6.0 SUCH THAT CEMENT CONCRETE BASE UNDER LATCH ROD IS 12" DEEP.

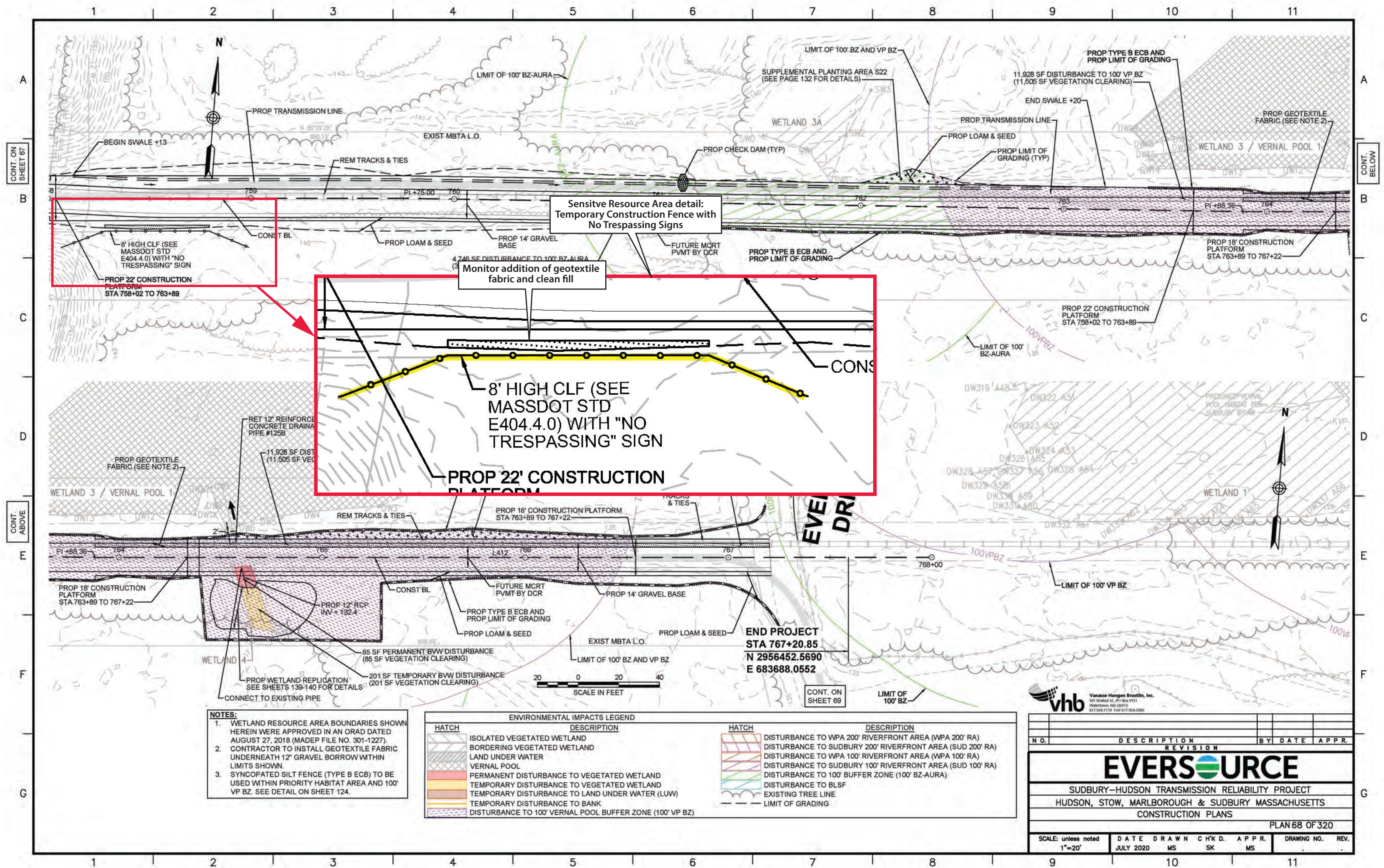
- LEGEND:**
- WCR NUMBER
 - ACCESS ROAD CROSSING NUMBER

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND
	BORDERING VEGETATED WETLAND
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
	TEMPORARY DISTURBANCE TO BANK
	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
	EXISTING TREE LINE
	LIMIT OF GRADING

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N.O.	DESCRIPTION	REVISION	BY	DATE	APPR.
EVERSOURCE					
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT					
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS					
CONSTRUCTION PLANS					
PLAN 63 OF 320					
SCALE: unless noted 1"=20'	DATE AUGUST 2020	DRAWN MS	CHECKED SK	APPROVED MS	DRAWING NO. REV.

Figure 10. Avoidance and protection measures for sensitive cultural resource area SUD-HA-37.



- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED AUGUST 27, 2018 (MADEP FILE NO. 301-1227).
 2. CONTRACTOR TO INSTALL GEOTEXTILE FABRIC UNDERNEATH 12" GRAVEL BORROW WITHIN LIMITS SHOWN.
 3. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 100' VP BZ. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
[Hatched pattern]	ISOLATED VEGETATED WETLAND
[Hatched pattern]	BORDERING VEGETATED WETLAND
[Hatched pattern]	LAND UNDER WATER
[Hatched pattern]	VERNAL POOL
[Hatched pattern]	PERMANENT DISTURBANCE TO VEGETATED WETLAND
[Hatched pattern]	TEMPORARY DISTURBANCE TO VEGETATED WETLAND
[Hatched pattern]	TEMPORARY DISTURBANCE TO LAND UNDER WATER (LUW)
[Hatched pattern]	TEMPORARY DISTURBANCE TO BANK
[Hatched pattern]	DISTURBANCE TO 100' VERNAL POOL BUFFER ZONE (100' VP BZ)
[Hatched pattern]	DISTURBANCE TO WPA 200' RIVERFRONT AREA (WPA 200' RA)
[Hatched pattern]	DISTURBANCE TO SUDBURY 200' RIVERFRONT AREA (SUD 200' RA)
[Hatched pattern]	DISTURBANCE TO WPA 100' RIVERFRONT AREA (WPA 100' RA)
[Hatched pattern]	DISTURBANCE TO SUDBURY 100' RIVERFRONT AREA (SUD 100' RA)
[Hatched pattern]	DISTURBANCE TO 100' BUFFER ZONE (100' BZ-AURA)
[Hatched pattern]	DISTURBANCE TO BLSF
[Hatched pattern]	EXISTING TREE LINE
[Hatched pattern]	LIMIT OF GRADING

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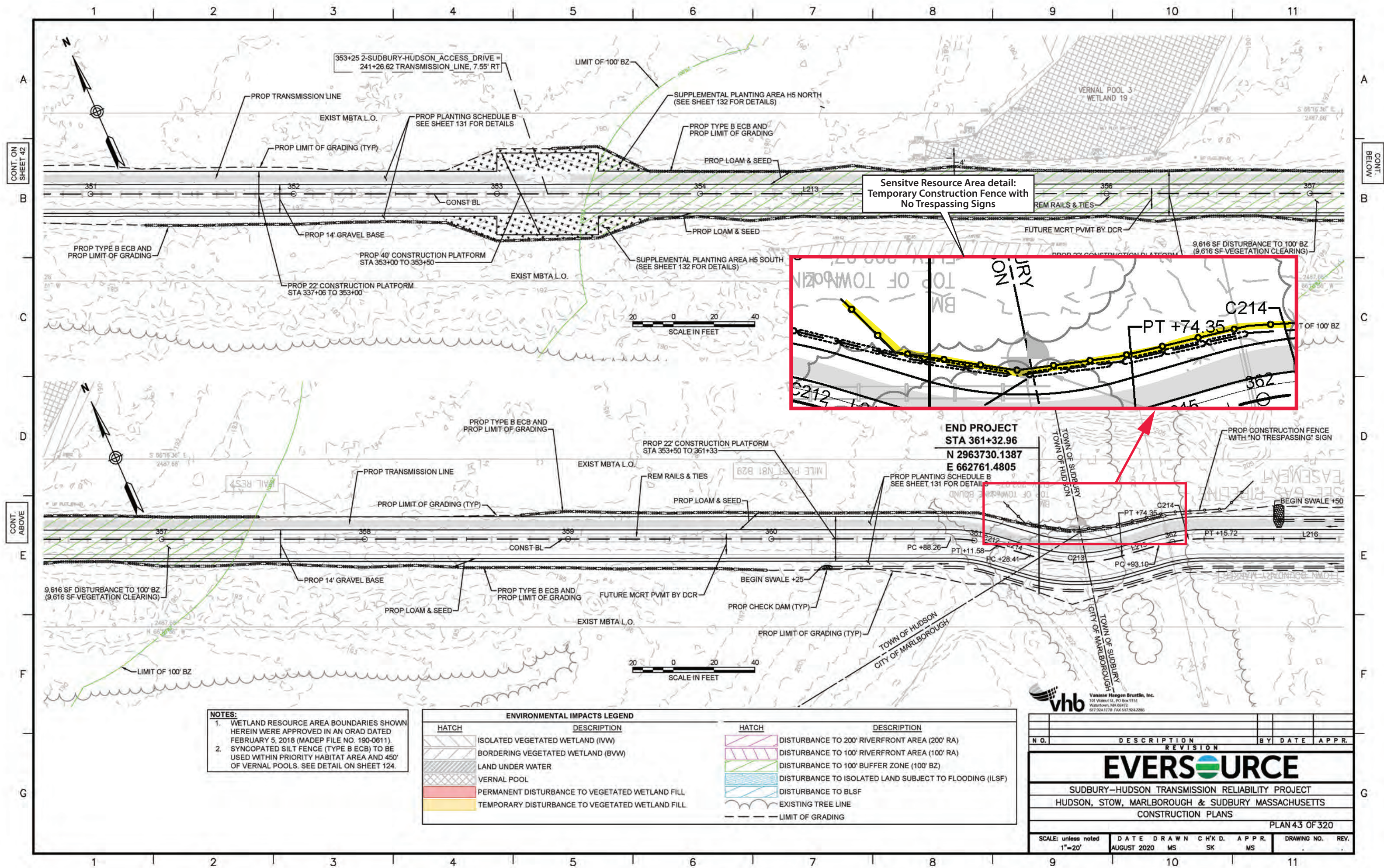
NO.	DESCRIPTION	REVISION	BY	DATE	APPR.

EVERSOURCE

SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT
 HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS
 CONSTRUCTION PLANS
 PLAN 68 OF 320

SCALE:	DATE	DRAWN	C'H'K D.	APPR.	DRAWING NO.	REV.
1"=20'	JULY 2020	MS	SK	MS		

Figure 11. Avoidance and protection measures for sensitive cultural resource area SUD-HA-39.



- NOTES:**
1. WETLAND RESOURCE AREA BOUNDARIES SHOWN HEREIN WERE APPROVED IN AN ORAD DATED FEBRUARY 5, 2018 (MADEP FILE NO. 190-0611).
 2. SYNCOPATED SILT FENCE (TYPE B ECB) TO BE USED WITHIN PRIORITY HABITAT AREA AND 450' OF VERNAL POOLS. SEE DETAIL ON SHEET 124.

ENVIRONMENTAL IMPACTS LEGEND	
HATCH	DESCRIPTION
	ISOLATED VEGETATED WETLAND (IWW)
	BORDERING VEGETATED WETLAND (BVW)
	LAND UNDER WATER
	VERNAL POOL
	PERMANENT DISTURBANCE TO VEGETATED WETLAND FILL
	TEMPORARY DISTURBANCE TO VEGETATED WETLAND FILL
HATCH	DESCRIPTION
	DISTURBANCE TO 200' RIVERFRONT AREA (200' RA)
	DISTURBANCE TO 100' RIVERFRONT AREA (100' RA)
	DISTURBANCE TO 100' BUFFER ZONE (100' BZ)
	DISTURBANCE TO ISOLATED LAND SUBJECT TO FLOODING (ILSF)
	DISTURBANCE TO BLSF
	EXISTING TREE LINE
	LIMIT OF GRADING

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N.O.	DESCRIPTION	REVISION	BY	DATE	APPR.
EVERSOURCE					
SUDBURY-HUDSON TRANSMISSION RELIABILITY PROJECT					
HUDSON, STOW, MARLBOROUGH & SUDBURY MASSACHUSETTS					
CONSTRUCTION PLANS					
PLAN 43 OF 320					
SCALE: unless noted 1"=20'	DATE AUGUST 2020	DRAWN MS	C'H'K D. SK	APPR. MS	DRAWING NO. REV.

Figure 12. Avoidance and protection measures for the Sudbury-Hudson-Marlborough town boundary marker.

APPENDIX I:
CMRRCHD Contributing Resources and Proposed Project Impacts Spreadsheet

MHC#	Feature	VHB STA	Milepost	Proposed Action	Proposed Project Activity			
Newly identified contributing resource (not included on SUD.R inventory form)							Remove	2
	Electric switch box	710+85	19.75	Avoid/R&R	Avoid; if not possible, remove and reset.		Replace	3
							Rehab	1
Contributing resources on SUD.R inventory form that could not be located by SHC/Spies, but were located by Eversource/DCR							Extend	1
	Farm Crossing -- Wood Box 1' span, 3' H	761+25	18.79	Avoid	Outside limit of work		Avoid	36
	Culvert 125B	764+60	18.73	Extend	Extend existing pipe to maintain vernal pool hydrology.		Avoid / R&R	20
							R&R	8
Contributing resources on SUD.R inventory form that were located by both SHC/Spies and Eversource/DCR							Total	71
SUD.933	Rails	Througho	Throughout	Remove	Remove			
SUD.934	Wood Ties	Througho	Throughout	Remove	Remove			
SUD.935	Telegraph Poles (approx. 23 in total)	Througho	Throughout	Avoid*	All outside limit of work but one. Remove 1 telegraph pole closest to diamond junction due to safety hazard.			
SUD-HA-39	East Sudbury Station Archaeological Site	758+50	18.84	Avoid & protect	Protect with geotextile fabric & fill.			
Landham Road								
SUD.936	Culvert 126A	752+17	18.96	Avoid	Clear out sediment			
SUD.937	Milepost	751+50	19.00	Avoid	Outside limit of work			
SUD.938	Culvert 126B	747+39	19.06	Avoid	Cut vegetation on northeast wingwall that is causing collapse (no grubbing).			
SUD.939	Rail Rest	743+75	19.21	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.940	Culvert 126D	738+77	19.22	Replace	Replace with 18" ductile iron pipe ("DIP") with concrete headwall to maintain drainage patterns.			
SUD.941	Distant Approach Signal	736+55	19.26	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.942	Battery Well for Distant Approach Signal	736+45	19.26	Avoid	Outside limit of work			
SUD.943	Signal Relay Box	729+60	19.37	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.901	Bridge 127	725+25	19.47	Replace	Replace superstructure (top two courses of stone abutments to be removed; other courses to remain).			
SUD.944	Poured Concrete base for Signal Relay Box/Battery Well	718+10	19.60	R&R	Remove & reset			
SUD.945	Culvert 127A	713+63	19.70	Replace	Replace with 24" ductile iron pipe ("DIP") with concrete headwall due to heavy corrosion.			
SUD.946	Whistle Post - W on east face, N of tracks	712+80	19.73	Avoid	Outside limit of work			
SUD.282	Section Tool House	712+20	19.75	Avoid	Outside limit of work			
SUD-HA-37	Section Tool House Archaeological Site	712+20	19.75	Avoid & protect	Outside limit of work			
SUD.947	Concrete base for Auto Highway Flashers	711+80	19.76	Avoid	Outside limit of work			
Boston Post Road								
SUD.948	Concrete base for Auto Highway Flashers	710+90	19.76	Avoid	Outside limit of work			
SUD.949	Signal Relay Box (mast only)	710+85	19.76	Avoid	Outside limit of work			
SUD.950	Culvert 127B	704+56	19.87	Avoid	Outside limit of work			
SUD.951	Concrete Bases for Highway Signal	602+45	19.97	Avoid	Outside limit of work			
Union Avenue								
SUD.952	Concrete Sign Post	602+10	19.98	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.396	South Sudbury Station	601+50	19.99	Avoid	Avoid			
SUD-HA-26	South Sudbury Station Archaeological Site	601+50	19.99	Avoid & protect	Outside limit of work			
SUD.953	Milepost	601+60	20.00	R&R	Remove & reset			
SUD.954	3 Switch Stands	600+60	20.00	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.955	Concrete bases & steel posts for Signal/Electrical Boxes (5)	600+60	20.00	R&R	Remove & reset			
SUD.956	Diamond junction with Framingham & Lowell RR	600+50	20.02	R&R	Remove & reset			
SUD.957	Wood whistle/stop sign post	600+80	20.02	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.958	Signal Relay Box	598+55	20.07	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.959	Concrete Base for Signal E2	598+55	20.07	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.960	Rail Rest	596+90	20.09	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.961	Signal Relay Box	594+50	20.13	Avoid	Outside limit of work			
SUD.962	Culvert 127C	593+18	20.14	Avoid	Outside limit of work			
SUD.963	Signal Relay Box	585+00	20.34	Avoid	Outside limit of work			
SUD.964	Wood Post	584+60	20.34	Avoid	Data shows outside limit of work. Could not find on 1/27/22 field visit.			
SUD.965	Tall Concrete Sign Post	581+10	20.39	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.966	Culvert 127D	577+31	20.44	Avoid	Outside limit of work			

MHC#	Feature	VHB STA	Milepost	Proposed Action	Proposed Project Activity			
SUD.967	Rail Rest	570+65	20.55	Avoid/R&R	Avoid; if not possible, remove and reset. Data shows on edge of work. Could not find on 1/27/22 field visit.			
SUD.968	Signal Relay Box	570+05	20.59	R&R	Remove & reset			
SUD.969	Whistle Post - westbound, N of tracks	569+15	20.63	R&R	Remove & reset			
SUD.970	Culvert 127E	560+82	20.75	Avoid	Outside limit of work			
Horse Pond Road								
SUD.971	Crossing Sign Base	555+65	20.79	R&R	Remove & reset			
SUD.972	Signal Relay Box	555+50	20.79	Avoid	Outside limit of work			
SUD.973	Distant Approach Interlocking Signal #M208	551+50	20.80	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.974	Battery Well for Interlocking Signal #M208	551+45	20.80	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.975	Rail Rest	549+05	20.98	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.976	Milepost B21 N83	548+80	21.00	Avoid	Outside limit of work			
SUD.977	Whistle Post - eastbound, S side of tracks	542+55	21.13	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.978	Signal Relay Box	540+85	21.16	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.979	Culvert 127F	539+40	21.18	Avoid	Outside limit of work			
SUD.980	Wood Post North Side of ROW	531+90	21.29	R&R	Remove & reset			
SUD.981	Auto Highway Flashers/Signal Relay Cabinet	530+60	21.35	Avoid/R&R	Avoid; if not possible, remove and reset.			
Peakham Road								
SUD.982	Wood Post, south side of ROW	529+80	21.36	Avoid	Outside limit of work			
SUD.983	Culvert 127G	527+30	21.40	Avoid	Outside limit of work			
SUD.984	Culvert 127H	521+64	21.51	Avoid	Cut two 12" trees that are causing wingwall damage (no grubbing).			
SUD.985	Culvert 127I	517+96	21.58	Avoid	Clear out debris on north end.			
SUD.986	Whistle Post (broken) - S side of tracks	517+50	21.58	Avoid	Outside limit of work			
SUD.987	Whistle Post - westbound, N of tracks	513+15	21.66	Avoid/R&R	Outside limit of work			
Dutton Road								
SUD-HA-38	Wayside Inn Archaeological Site	500+15	21.90	Avoid & protect	Outside limit of work			
SUD.988	Rail Rest	414+15	21.94	Avoid	Outside limit of work			
SUD.989	Milepost B22 N82	413+05	22.00	Avoid	Outside limit of work			
SUD.990	Culvert 127J	410+25	22.05	Avoid	Outside limit of work			
SUD.991	Whistle Post - W on west face, S of tracks	403+70	22.19	Avoid/R&R	Avoid; if not possible, remove and reset.			
SUD.900	Bridge #128	400+30	22.24	Rehab	Upgrade bridge deck to support trail & transmission line (removal of small portion of stone abutments on south side of both east and west abutments; other portions to remain).			
SUD.992	Culvert 129A	368+80	22.83	Avoid	Outside limit of work			
Contributing resources on SUD.R inventory form that could not be located by SHC/Spies or Eversource/DCR								
XXX	Signal Relay Box		18.39?					
XXX	Culvert 126C		19.28?					
XXX	Whistle Post -- W on East face N of tracks		22.?					

MHC#	Feature	VHB STA	Milepost	Proposed Action	Proposed Project Activity				
Town Boundary									
	Rails		Througout	Remove	Remove				
	Ties		Througout	Remove	Remove		Remove	3	
	Milepost	360+20	23	Avoid	Outside limit of work		Replace	1	
	Railrest	357+90	23.05	Avoid	Outside limit of work		Rehab	0	
	Telegraph Pole	357+25	23.06	Avoid	Outside limit of work		Extend	0	
	Conduit Pipe Derail Switch	343+35	23.33	R&R	Remove & reset				
	Stone wall	309+55	23.95	Remove	Remove		Avoid	10	
	Milepost	307+30	24	Avoid	Outside limit of work		Avoid / R&R	4	
	Section Post	307+30	24	Avoid/R&R	Remove & reset		R&R	10	
	Railrest	302+60	24.09	Avoid/R&R	Remove & reset		Total	28	* includes 2 archaeological sites
HUD.HA-9	Ordway Archaeological Site	214+00	24.1	Avoid & protect	Outside limit of work				
Parmenter Road									
	Culvert 129C	206+15	24.3	Avoid	Remove tree on northeast corner; stabilize bank				
	Concrete base well	201+10	24.36	R&R	Remove & reset				
	Whistle post (S)	200+10	24.4	Avoid/R&R	Avoid; if not possible, remove and reset.				
	Whistle post (N)	195+75	24.5	R&R	Remove & reset				
	Wood Post	183+55	24.72	R&R	Remove & reset				
	Utility Pole	182+20	24.76	R&R	Remove & reset				
Main Street									
	Wood Post	180+80	24.78	Avoid/R&R	Avoid; if not possible, remove and reset.				
	Track Switch Stand with Electrical Box	179+15	24.8	R&R	Remove & reset				
	Concrete Box	174+90	24.89	R&R	Remove & reset				
	Milepost	167+75	25	R&R	Remove & reset				
	Railrest	167+55	25	R&R	Remove & reset				
HUD.908	Bridge #130	148+75	25.37	Replace	Replace superstructure (no existing abutments)				
Fort Meadow Brook									
HUD.HA-8	Gleasondale Station Archeological Site	132+95	25.64	Avoid & protect	Protect with geotextile fabric & fill.				
Chestnut Street									
	Cattle pass	124+90	25.83	Avoid	Remove rails and ties on top of cattle pass				
	Railrest	114+60	26	R&R	Remove & reset				
	Milepost	114+25	26	Avoid	Outside limit of work				
	Culvert 132A	107+90	26.12	Avoid	Outside limit of work				
Wilkins Street									