



October 20, 2021

PRINCIPALS

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Ms. Lori Capone
Sudbury Conservation Commission
275 Old Lancaster Road
Sudbury, MA 01776

**Subject: Sudbury-Hudson Transmission Reliability Project (DEP File # 301-1287)
Earth Removal Board Permit Compliance – Additional Sampling Activities**

Dear Ms. Capone and Sudbury Conservation Commission Members:

On behalf of NSTAR d/b/a Eversource Energy ("Eversource"), Epsilon Associates, Inc. ("Epsilon") is submitting this letter to provide you with notification of and information related to additional soil and groundwater sampling activities that need to be completed for the Sudbury-Hudson Transmission Reliability Project ("the Project"), as per Special Condition 13 of the Town of Sudbury's Earth Removal Board ("ERB") Permit issued on May 17, 2021.

These activities were not specifically included within the proposed project details during the Notice of Intent hearing process for the Project because they are only necessary to comply with the ERB Permit, which was received after the Order of Conditions was issued by the Commission for the Project. As outlined in the following paragraphs, these sampling activities will be completed entirely within the proposed limits of work and are minor in nature, posing no potential for any adverse effect to wetland resource areas. We respectfully request that the Commission allow the sampling activities outlined herein, that are within their jurisdiction, to proceed without the need to amend the existing Order of Conditions based on the fact that no additional or revised conditions are necessary for these minor and non-invasive activities with regard to the protection of wetland resource areas. We suggest that these activities can proceed with an administrative approval from the Commission.

Summary of Proposed Sampling Activities

Condition 13 of the ERB Permit requires the Applicant, at a minimum, to perform additional chemical testing of soil and groundwater samples from the ROW and surrounding properties a minimum of four weeks prior to significant disturbance of the

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3 Mill & Main Place, Suite 250
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soil. Specifically, the condition requires sampling for arsenic within the length of the Project corridor classified as “Rural/Residential” and sampling for other constituents of concern near seven areas along those portions of the Project corridor that are associated with “Commercial/Industrial” land uses.

Attached to this letter is the detailed soil and groundwater sampling plan (dated October 15, 2021) submitted to the ERB for their review and approval. This attachment also includes a map set that shows the proposed location of each sampling location along with proposed access in relation to wetland jurisdictional areas along the Project. The following paragraphs present key information for the Conservation Commission’s information and consideration.

Shallow Sampling for Arsenic

Sampling for arsenic will be collected manually using a shovel or hand auger from a depth of 0-1 feet below ground surface. There are 26 locations in total proposed, with 10 of them in areas subject to the Commission’s jurisdiction. *Note that these shallow hand sample locations are shown as purple points on the attached plan set.* All locations will be accessed by foot and no mechanized equipment is required to collect these samples.

Targeted Soil & Groundwater Sampling

Targeted soil and groundwater sampling will be completed at seven locations using a track-mounted direct-push geoprobe rig, to a depth of 15 feet below ground surface. Of the seven locations proposed, four are located within and require access through areas subject to the Commission’s jurisdiction as follows:

- **SB-129 and SB/MW-130:** These two locations are located on either side of Union Avenue within existing paved areas. Each location will be accessed from Union Avenue (See Sheet 10 of 14) and access and the geoprobe will be entirely within existing paved areas.
- **SB/MW-131 and SB/MW-132:** These two locations are located on the east side of Route 20 and just west of Hop Brook. These locations will be accessed from Route 20 and no cutting, trimming or removal of vegetation is necessary for the geoprobe rig to get to these locations (See Sheet 11 of 14).

Attached is an example of the type of Geoprobe® rubber tracked remote controlled rig that employs “direct push” technology which will be used at these locations. The direct push technology of this rig allows borings and monitoring wells to be advanced without the generation of cuttings or excess groundwater. Access pathways utilized for the previous soil and groundwater sampling program, approved by the Commission, during the design phase of the Project will accommodate the geoprobe rig’s access to all

locations and no additional trimming, clearing, or cutting of vegetation is required for these activities. In addition, it is not necessary to disturb any soil other than at the drill point, which is directly pushed into the ground. There is no potential for these activities to create any disturbance that could result in potential erosion.

In conclusion, Eversource has not developed the final schedule for these activities but plans to complete them between November 1- December 31, 2021. We will provide the Commission with the final schedule for these activities and will notify Lori Capone prior to commencement. We appreciate the Commission's review and approval of these activities as an administrative change. If you have any questions, please do not hesitate to contact me at 508-212-0420 or via email at mbergeron@epsilonassociates.com.

Sincerely,



Marc Bergeron, PWS, NHCWS
Project Manager/Principal

Attachments:

Supplemental Soil & Groundwater Sampling Plan (dated October 15, 2021)
Geoprobe 54LT Specification Sheet

Cc: Denise Bartone, Eversource
Mike Hager, Eversource

October 15, 2021

55 Walkers Brook Drive, Suite 100,
Reading, MA 01867
Tel: 978.532.1900

Mr. Jonathan W. Patch
Chairman, Earth Removal Board
Town of Sudbury
278 Old Sudbury Road Sudbury,
Massachusetts 01776

Re: Supplemental Soil & Groundwater Sampling Plan
Sudbury to Hudson Electrical Transmission Project

Dear Mr. Patch:

Weston & Sampson Engineers, Inc., on behalf of Eversource Energy, has prepared this supplemental soil and groundwater sampling plan for the above-referenced project (the Project). The plan outlines the scope and procedures to complete additional soil and groundwater sampling requested by Town of Sudbury's Earth Removal Board (ERB) under Condition 13 of the Removal Permit dated May 17, 2021, and filed with the Town Clerk on May 24, 2021.

1.0 Background

The Project will include installing new underground 115 kV electrical transmission line through Sudbury, Marlborough, Stow and Hudson, Massachusetts. According to the Project's plans and specifications, this work will include constructing approximately 4 miles of new transmission line along with related manholes and other infrastructure improvements within a section of an inactive Massachusetts Bay Transportation Authority (MBTA) railroad right of way (ROW), from the Hudson and Sudbury municipal border to the Eversource Sudbury Substation. The approximate Sudbury limits of work are shown in Figure 1.

Between 2017 and 2018 due diligence environmental assessments were completed to evaluate soil and groundwater conditions within the Project work zone. As recommended by the Massachusetts Department of Environmental Protection (MassDEP), the assessment was performed according to MassDEP's guidance document *Best Management Practices for Controlling Exposure to Soil during Development of Rail Trails*. Based on this guidance and review of present and former land use activities in the surrounding areas, the ROW in Sudbury was divided into two segments. A section from the Hudson/Sudbury border to 300 feet west of Bay Drive was classified as "rural/residential." The remaining section extending to the Sudbury Substation was classified as "commercial/industrial." The segment limits – outlined in purple for rural/residential areas and orange for commercial/industrial areas – are shown in Figure 1.

As shown in the attached Figure 1, sampling was performed to evaluate soil and groundwater conditions within the commercial/industrial ROW segment (indicated as blue, green, and yellow boring locations on Figure 1). Consistent with MassDEP's guidance, select sampling was also performed in the rural/residential segment where there was evidence of a known or potential historic oil and/or hazardous materials (OHM) release (Sites) with potential to have had an impact on soil or groundwater in the Project's work area. Sampling was not conducted near Sites that were determined not to have a potential to impact the Project area.

2.0 Permit Conditions

Condition 13 of the Removal Permit requires the Applicant, at a minimum, to perform additional chemical testing of soil and groundwater samples from the ROW and surrounding properties a minimum of four weeks prior to significant disturbance of the soil. The following sampling is called for in Condition 13:

- Condition 13a – Prior to commencing excavation of soil, after the railroad ties are removed, and after erosion controls are in place, conduct in-situ shallow soil sampling along the former track bed for total arsenic at intervals of approximately 500 linear feet within the rural/residential ROW segment from the Hudson/Sudbury border to near the northwest corner of Meadow Walk, Sudbury.
- Condition 13b – Conduct soil and/or groundwater sampling for constituents of concern within the depths of proposed excavation for the Project near the seven sites listed in the referenced table from the referenced memorandum prepared by VHB dated September 29, 2017 where testing was not performed during the previous soil and groundwater assessment.

3.0 Sampling and Analysis Plan

The following sampling and analysis plan has been prepared to meet the Board's additional sampling requirements. The procedures for sampling collection as well as justification for the analysis to be performed are described below. Proposed sampling locations and access routes are shown in Figure 1. Proposed locations selected to meet the Board's request for additional arsenic sampling are depicted in purple. Proposed locations to evaluate conditions in the ROW adjacent to the seven referenced sites (Eversource cannot perform sampling on property outside of the ROW) are depicted in orange.

3.1 Shallow Soil Sampling for Arsenic

For the shallow soil sampling for total arsenic analysis along the former track bed, Weston & Sampson will collect one shallow soil sample from each of 26 sampling locations (SB-101 to SB-126) identified in Figure 1. These samples will be collected manually using a shovel or hand auger from a depth of 0 to 1 foot below ground surface (ft bgs). To prevent potential cross-contamination, all non-disposable sampling equipment will be decontaminated between sampling locations using a double wash-rinse procedure of dilute nitric acid, Alconox[®] and water. Samples will be submitted to the laboratory according to the procedures described in Section 3.3.

3.2 Targeted Soil & Groundwater Sampling

Weston & Sampson will perform targeted soil and groundwater sampling to evaluate conditions in the ROW adjacent to the seven OHM release Sites proximate to the rural/residential ROW segment. Soil and groundwater sampling will be completed by advancing soil borings and installing monitoring wells with a track-mounted direct-push drill rig at the locations shown in Figure 1 which includes proposed points of equipment access. Sample depths and analysis to be performed at each location are outlined below.

Where required to assess potential groundwater impacts, groundwater sampling will be facilitated by installing new groundwater monitoring wells, if groundwater is encountered, at select soil boring locations (see Figure 1). The wells will be installed as 1 or 2-inch PVC monitoring wells that are constructed with 10 feet of slotted screen set to coincide with the perceived groundwater table. The wells will be developed, and after allowing two weeks to equilibrate, samples will be collected using low-flow sampling procedures.

Wayside Inn Station (Dutton Road)

Weston & Sampson will advance one soil boring (SB-127) to a depth of 8 ft bgs at the location of the former Wayside Inn Station. Based on historic use of this area as a railroad station, Weston & Sampson will collect up to one soil sample from this location for total petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAHs), arsenic and lead analysis. Consistent with MassDEP guidance and previous sampling events to characterize excavated materials with the ROW, the soil sample will be collected as

a full depth composite from 0 to 8 ft bgs.

Former Rod & Gun Club (RTN 3-24573)

The former Rod and Gun Club site is associated with an historic lead release to surficial soil that was previously investigated and remediated to levels consistent with MassDEP published natural background concentrations. Weston & Sampson will advance a soil boring (SB/MW-128) to depth of 15 ft bgs. Given the surficial nature of the historic release, Weston & Sampson will collect one sample from 0 to 3 ft bgs at this location for lead.

The soil boring at this location will be completed to 15 ft bgs to provide the capacity to assess potential impacts to groundwater from the historic lead release. As noted above, if groundwater is encountered, then the boring will be completed as a monitoring well and a groundwater sample for laboratory analysis will be collected. The groundwater sample will be submitted for dissolved lead analysis after field filtering the samples using 0.45-micron filter. The field filtering and analysis of dissolved metals is consistent with regulatory requirements, as the applicable regulatory criteria for metals in groundwater apply to dissolved phase metal concentrations.

South Sudbury Station (97 Union Road)

Weston & Sampson will advance one soil boring (SB-129) to a depth of 8 ft bgs at the location of the South Sudbury Station. Based on historic use of this area as a railroad station, Weston & Sampson will collect up to one soil sample from this location for TPH, PAHs, arsenic, and lead analysis. Consistent with MassDEP guidance and previous sampling events to characterize excavated materials with the ROW, the soil sample will be collected as a full depth composite from 0 to 8 ft bgs.

Former Underground Storage Tank (46 Union Avenue)

Weston & Sampson will advance one soil boring (SB/MW-130) to evaluate soil and groundwater conditions in the ROW adjacent to the site of a former underground storage tank (UST) located at 46 Union Avenue. The boring will be advanced to a depth of up to 15 ft bgs, and Weston & Sampson will collect up to one sample for laboratory analysis based on visual and olfactory observations and field screening for total volatile organic compounds (TVOCs) using photoionization detection equipped with a 10.6 electron-volt (eV) lamp. If no indicator of contamination is encountered, the sample will be collected from a 2-foot interval corresponding to the apparent groundwater interface. The soil samples will be analyzed for extractable petroleum hydrocarbon (EPH) analysis with target PAHs and volatile petroleum hydrocarbons (VPH) with target volatile organic compounds.

The soil boring at this location will be completed to 15 ft bgs to assess potential impacts to groundwater from the historic UST. If groundwater is encountered, then the boring will be completed as a monitoring well and one groundwater sample will be collected for dissolved lead as well as EPH and VPH with target parameters.

Boston Post Road/Route 20 (RTN 3-15581)

The Boston Post Road/Route 20 Site, associated with a release of vinyl chloride (VC) to groundwater, achieved a Permanent Solution in 1997 without requiring any subsequent soil or groundwater remediation. Weston & Sampson will advance one soil boring (SB/MW-131) to evaluate potential impacts to soil in the TOW adjacent to this location. The boring will be advanced to a depth of 15 ft bgs, and Weston & Sampson will collect up to one soil sample for analysis of chlorinated volatile organic compounds (cVOCs). The samples will be collected based on visual/olfactory observations and field screening using a PID during the drilling, or from a 2-foot interval corresponding to the perceived groundwater table if no apparent impacts are identified.

The soil boring at this location will be completed to 15 ft bgs to assess potential impacts to groundwater from the historic cVOC detection. If groundwater is encountered, then the boring will be completed as a new monitoring well and one groundwater sample will be collected from this location for cVOC analysis.

46 Maple Avenue

The property at 46 Maple Avenue is listed as former Superfund site that was assigned Site ID # MA0001094572. There is limited information available regarding the nature and extent of any former release at this location, except that removal actions are considered complete by the U.S. Environmental Protection Agency (EPA). Weston & Sampson will advance one boring (SB/MW-132) in the ROW adjacent to this location to evaluate potential impacts. The boring will be advanced to 15 ft bgs, and Weston & Sampson will collect up to one sample for analysis of Massachusetts Contingency Plan (MCP)-14 metals, TPH, polychlorinated biphenyls (PCBs), VOCs, and semi-volatile organic compounds (SVOC). Based on the depth of anticipated excavation for the transmission line, the sample will be collected from 0 to 8 ft bgs.

The soil boring at this location will be completed to 15 ft bgs to assess potential impacts to groundwater. As noted above, if groundwater is encountered, then the boring will be completed as a new 1 to 2-inch monitoring well and one groundwater sample will be collected for dissolved MCP-14 metals, TPH, PCBs, VOCs, and SVOCs. Sample for dissolved metals will be field filtered using a 0.45-micron filter.

East Sudbury Station (Landham Road) & Electrical Substation (163 Boston Post Road)

As shown in Figure 1, the East Sudbury Station coincides with the approximate location of the electrical substation at the end of the Project. Potential impacts to soil at this location will be evaluated by advancing one soil boring (SB-133) to a depth of 8 ft bgs. To evaluate the area near the former station, one composite sample from 0 to 8 ft bgs will be collected for TPH, PAH, arsenic and lead analysis. To evaluate the area adjacent to the former electrical substation, an additional sample will be collected from 0 to 3 ft bgs for TPH, MCP-14 metals, and polychlorinated biphenyls (PCBs).

3.3 Quality Assurance and Sample Management

Soil and groundwater samples from the supplemental characterization activities will be collected in appropriately preserved laboratory-supplied containers and tracked from the field to the laboratory using standard chain of custody procedures. Samples will be packaged in laboratory provided coolers with ice. All analysis will be performed using appropriate EPA and MassDEP Compendium of Analytical Method (CAM) methods. Samples to evaluate arsenic along the rural/residential ROW will be analyzed using EPA Method 6010. Analytical methods for the targeted sampling and analysis of select OHM release Sites are outlined below.

ANALYSIS	LABORATORY METHOD
<i>Additional Site Evaluation Analytical Methods</i>	
MCP-14 Metals (Incl. Arsenic and Lead)	EPA Method 6010 & 7410 (mercury)
EPH with target PAHs	MADEP EPH
VPH with target VOCs	MADEP VPH
SVOCs & PAHs	EPA Method 8270
VOCs & cVOCs	EPA Method 8260
PCBs	EPA Method 8082
TPH	EPA Method 8100M

In addition to collecting the soil and groundwater samples described above, for added quality assurance, Weston & Sampson will collect 1 field duplicate for every 20 samples analyzed for each method. Based on the quantity of samples expected, Weston & Sampson anticipates the sampling will include collecting 1 duplicate sample for arsenic analysis.

3.4 Data Evaluation

The additional soil and groundwater characterization results will be tabulated and compared against their applicable Massachusetts Contingency Plan (MCP) Reportable Conce

review by the Project's Licensed Site Professional (LSP), these results will be forwarded to the Board for review.

3.5 Schedule, Personnel and Equipment

As detailed previously in Section 3.1, shallow arsenic sampling will be conducted manually and only hand tools will be used to complete this effort which will be conducted by two (2) Weston & Sampson field staff.

As discussed in Section 3.2, targeted soil and groundwater sampling will be completed by advancing soil borings and installing monitoring wells with a track-mounted direct-push drill rig at the locations shown on Figure 1 which includes proposed points of equipment access. It is anticipated that three (3) personnel will be utilized to implement these sampling activities. Once the monitoring wells are installed, up to two (2) staff will obtain groundwater samples from the newly installed monitoring wells approximately two (2) weeks after well installation.

As specified by Condition 13 of the Removal Permit, these sampling activities are required to be conducted a minimum of four (4) weeks prior to significant disturbance of the soil but after erosion controls are in place and the railroad ties are removed. Weston & Sampson proposes to conduct these activities as soon as this plan is approved by the ERB and prior to the start of any other construction activities such as removing railroad ties or installing erosion control. The direct push technology of the geoprobe rig allows borings and monitoring wells to be advanced without the generation of cuttings or excess groundwater. Access pathways utilized for the previous soil and groundwater sampling program during the design phase of the Project will accommodate the geoprobe rig's access to all locations and no additional trimming, clearing, or cutting of vegetation is required for these activities. In addition, it is not necessary to disturb any soil other than at the drill point, which is directly pushed into the ground. There is no potential for these activities to create any disturbance that could result in potential erosion. In addition, conducting this sampling with the railroad ties in place will represent conservative site conditions and should not affect the representativeness of the data obtained. The Conservation Commission will be consulted for approval to conduct this limited sampling activity for locations that are situated in resource areas subject to their jurisdiction.

If you have any questions regarding this soil and groundwater sampling and analysis plan or the Project, please feel free to contact the undersigned at 978-548-6122.

Sincerely,

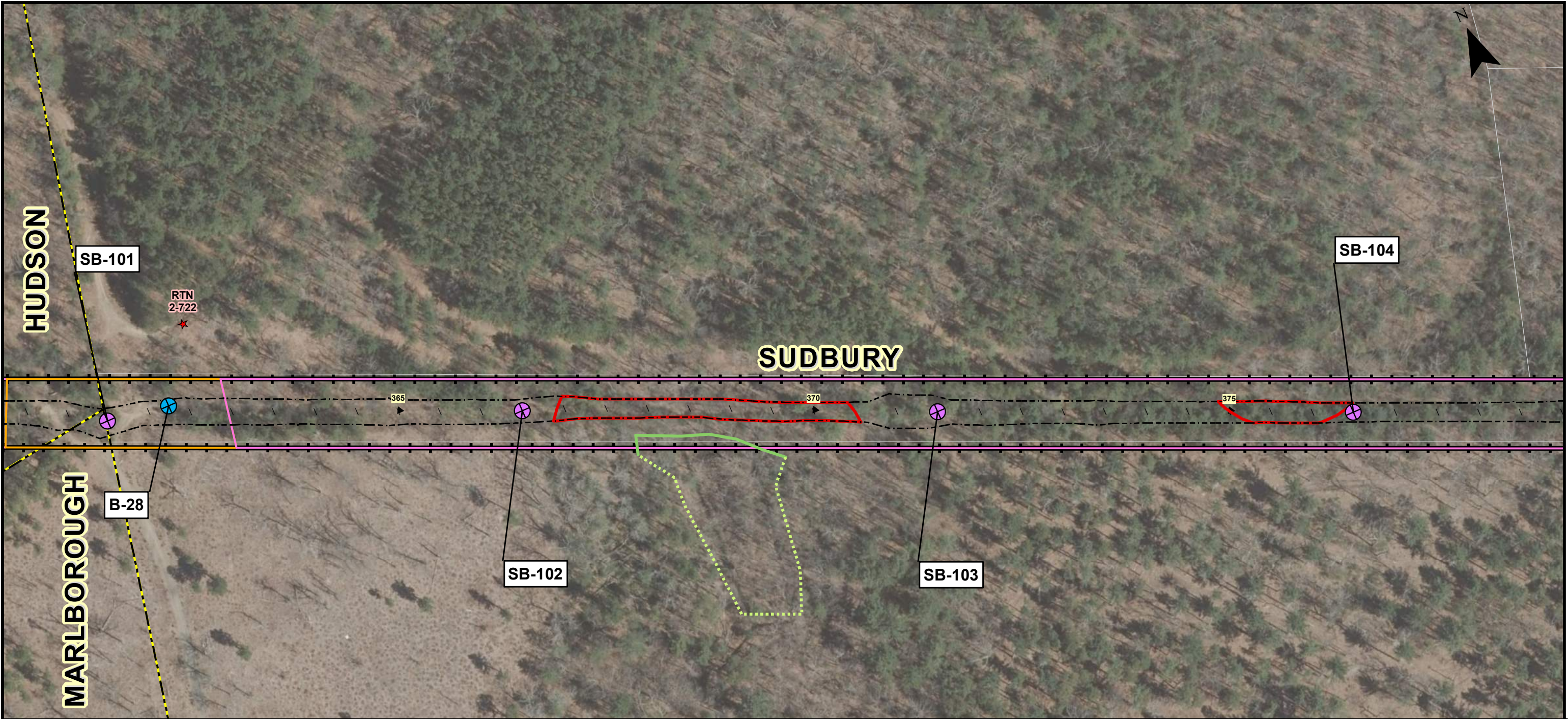
WESTON & SAMPSON ENGINEERS, INC.

A handwritten signature in black ink, appearing to read "Paul McKinlay", with a stylized flourish at the end.

Paul McKinlay, PG, LSP
Senior Team Leader

*Attachments Figure 1 – Wetland Resource Areas Jurisdictional Limit
ERB Notice of Decision, May 17, 2021*

cc. Dean Bebis, Eversource Energy
Mike Hager, Eversource Energy



General Legend

Project Area
— In-Road
+ MBTA ROW

MBTA Segments
Industrial /Commercial
Residential /Rural

MCP Disposal Sites
★ Sites of Concern
★ All Other Sites

Town Information
Parcels
Roads
Boundary

STA Callout
--- Work Limits
 \ 50ft Interval
 ▲ 500ft Interval

Former Railroad Stations

Wetland Information
Areas subject to Wetland Jurisdiction
Approximate Wetland Edge
Delineated Wetland Edge

Access Road Information
Road Location
-> Access Direction

Sample Locations

Proposed Sampling
Arsenic Shallow Soil Samples
Other Environmental Concern Soil Samples
Other Environmental Concern Soil & Groundwater Samples

Previous Sample Locations Classified by Soil Type
Type A
Type B-1 Soils
Type C-1 Soils

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Scale In Feet

FIGURE 1 | Sheet 1 of 14

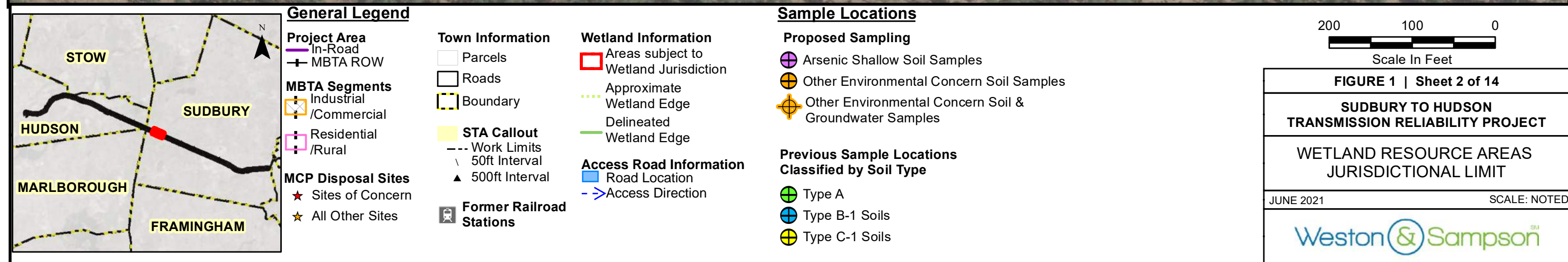
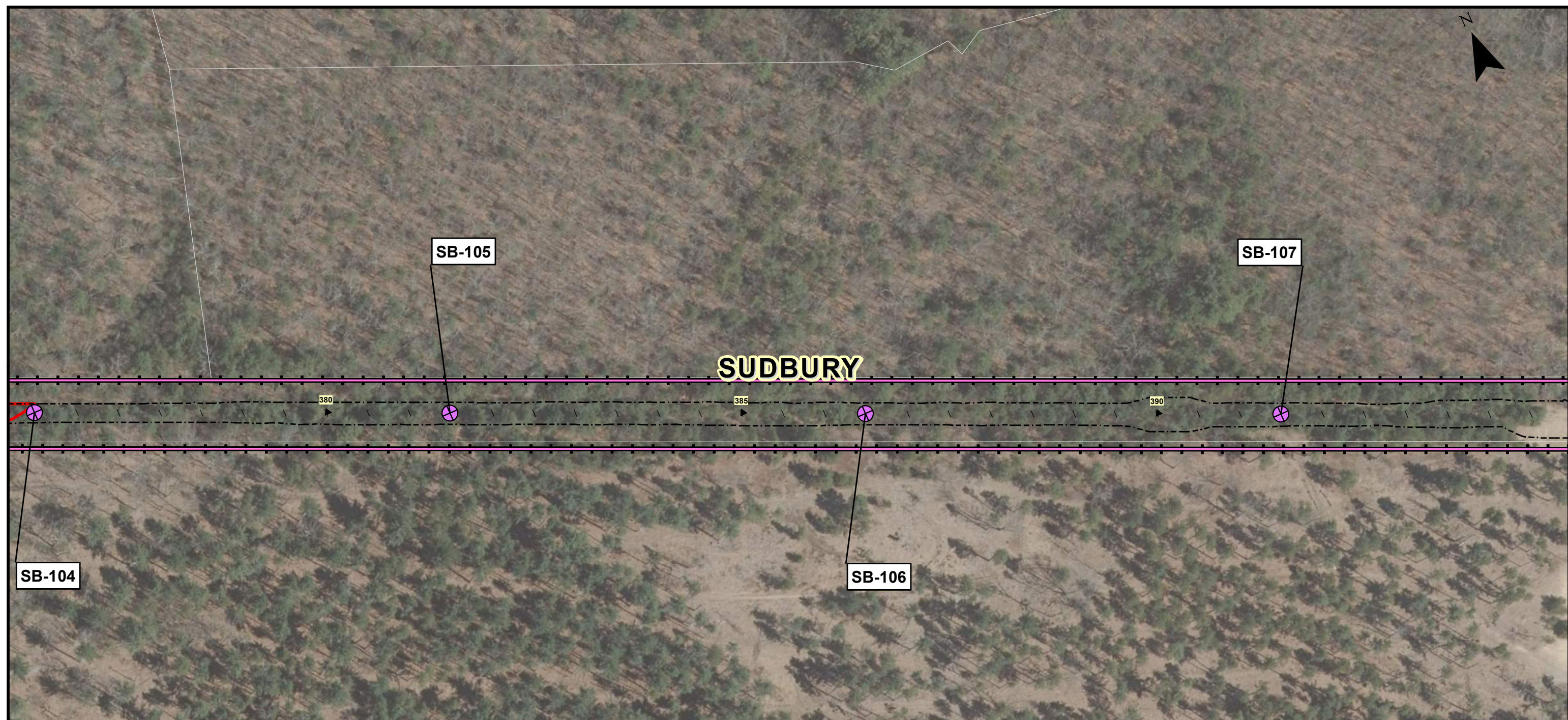
SUDBURY TO HUDSON
TRANSMISSION RELIABILITY PROJECT

WETLAND RESOURCE AREAS
JURISDICTIONAL LIMIT

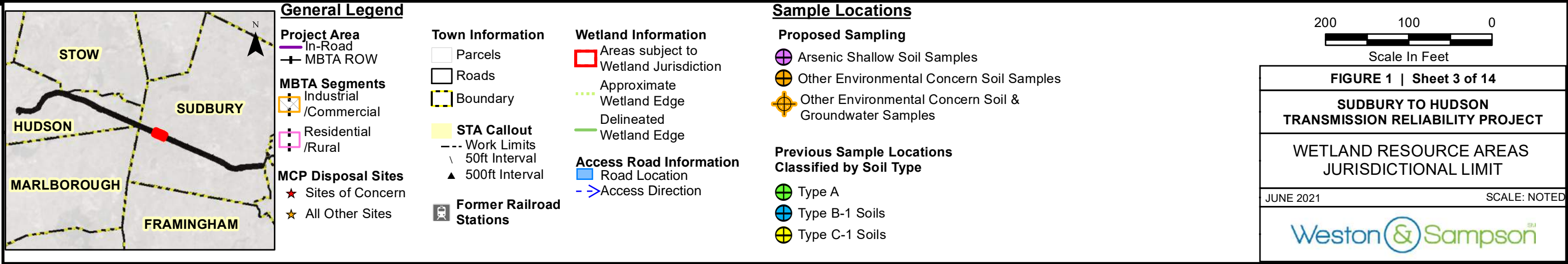
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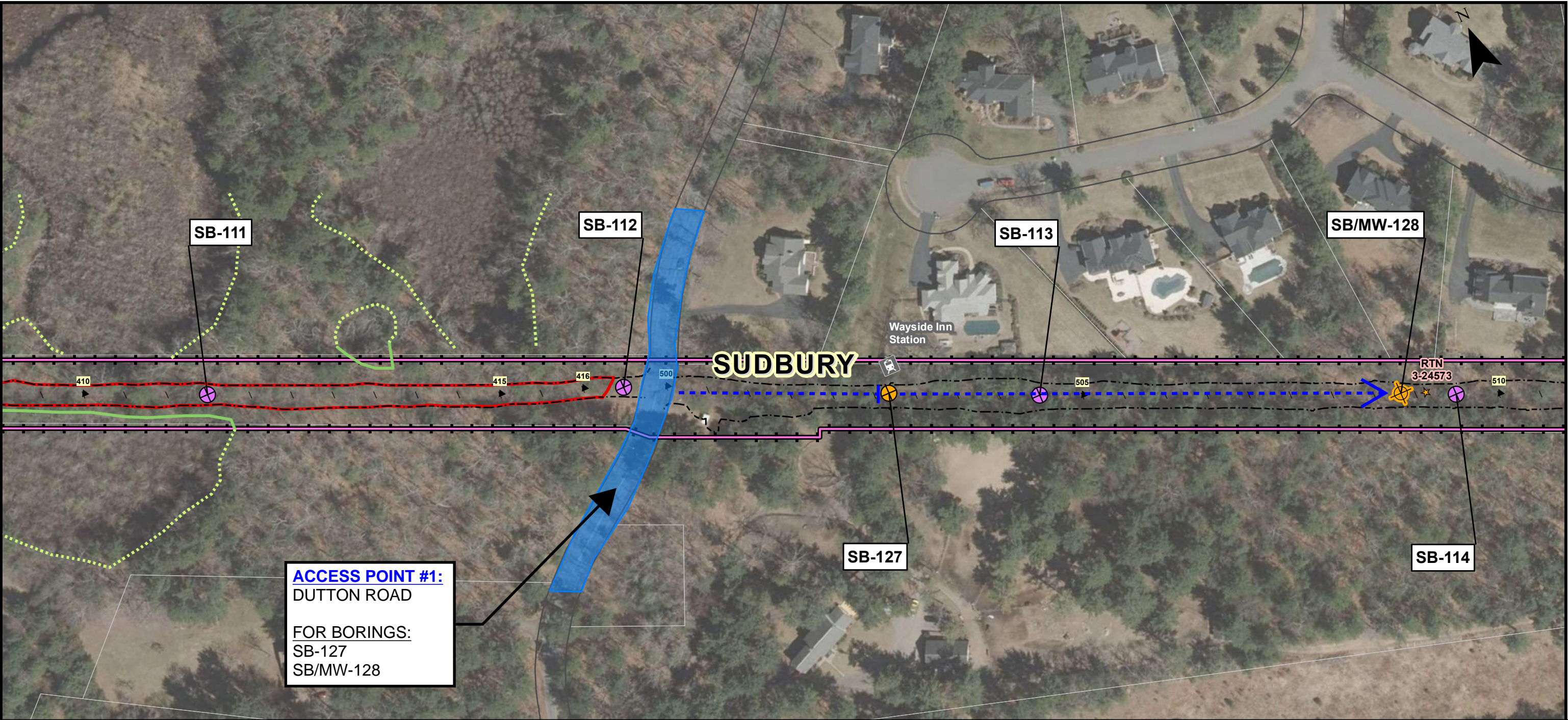
Weston & Sampson

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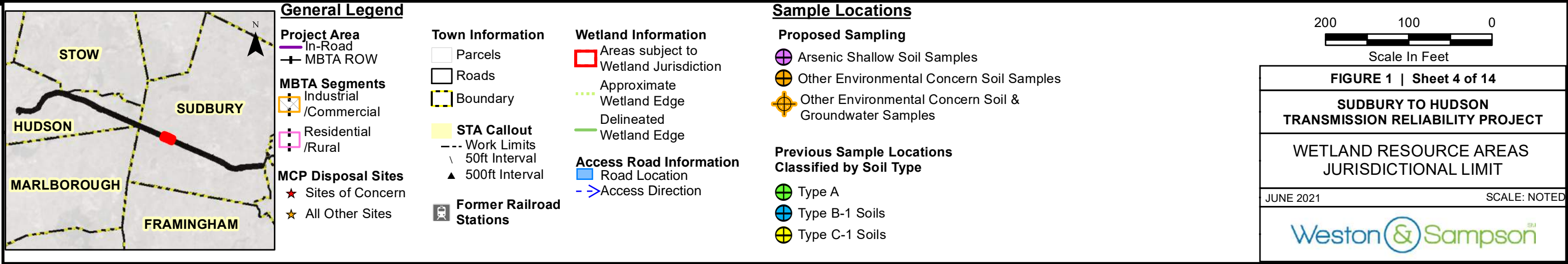
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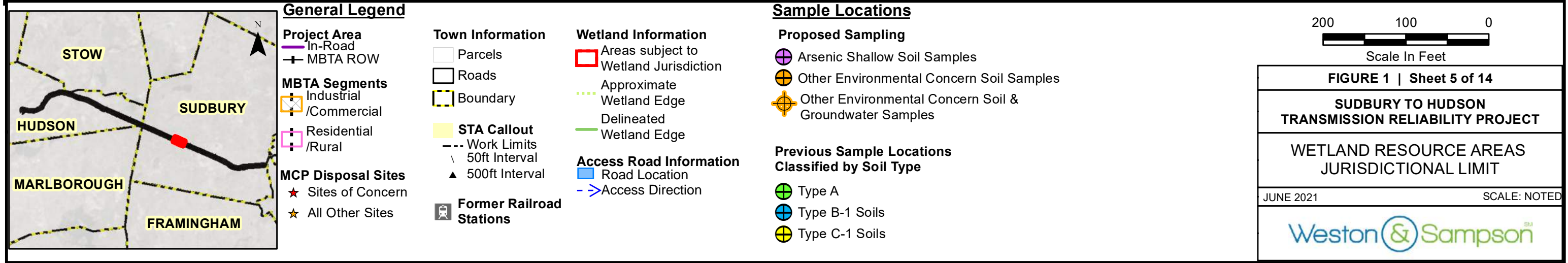
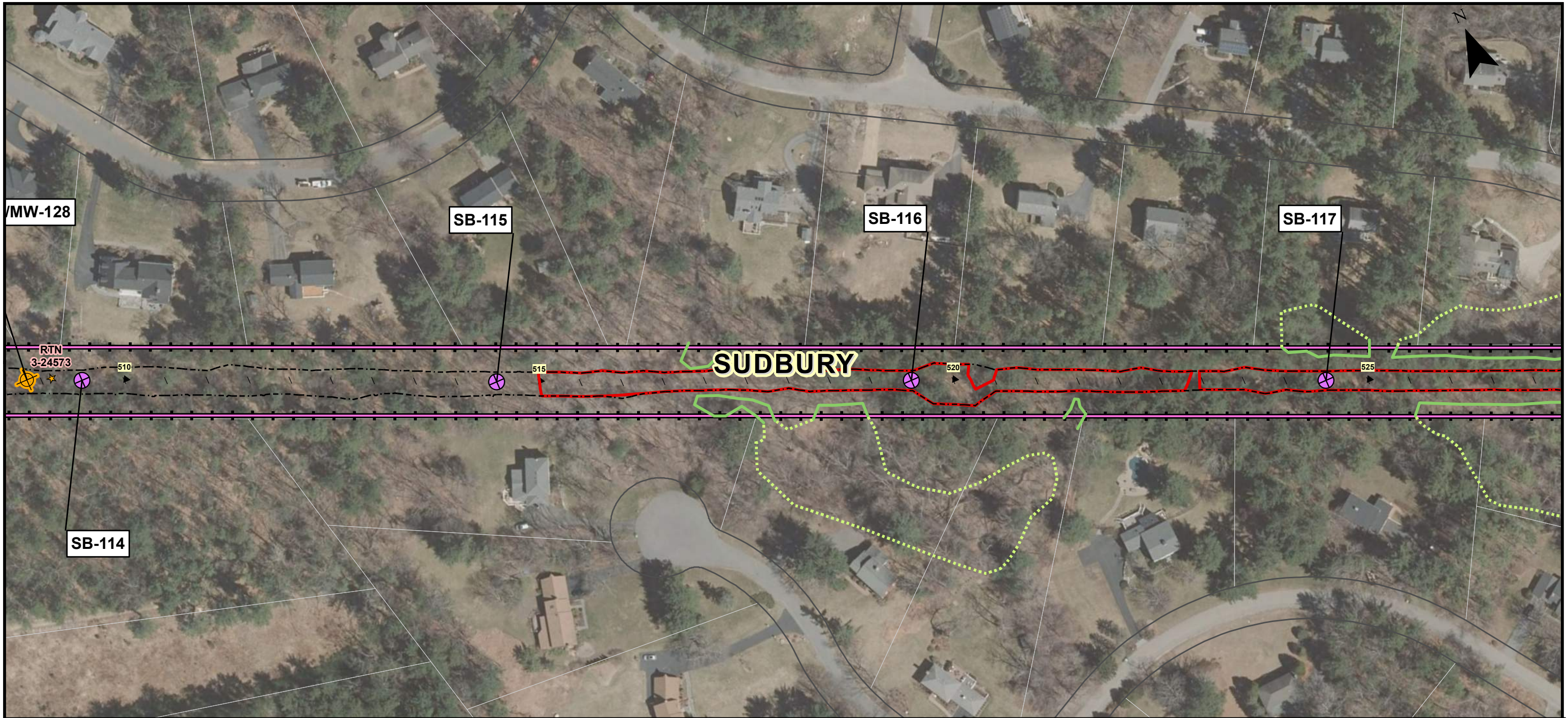


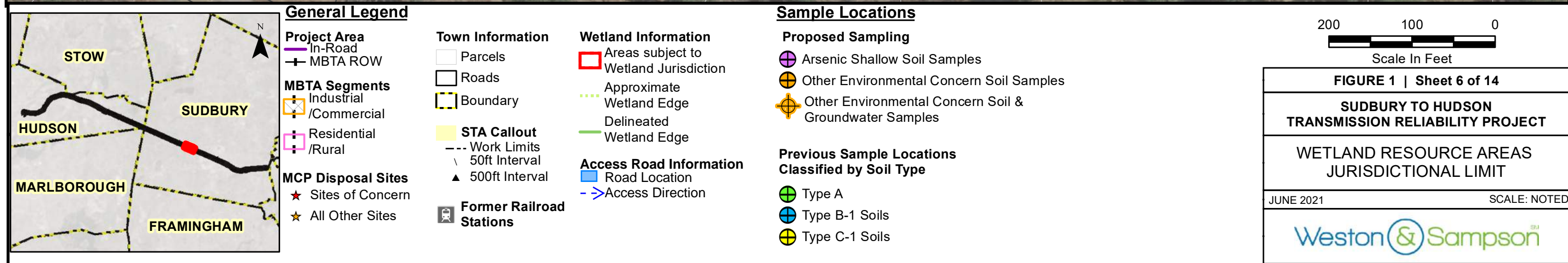


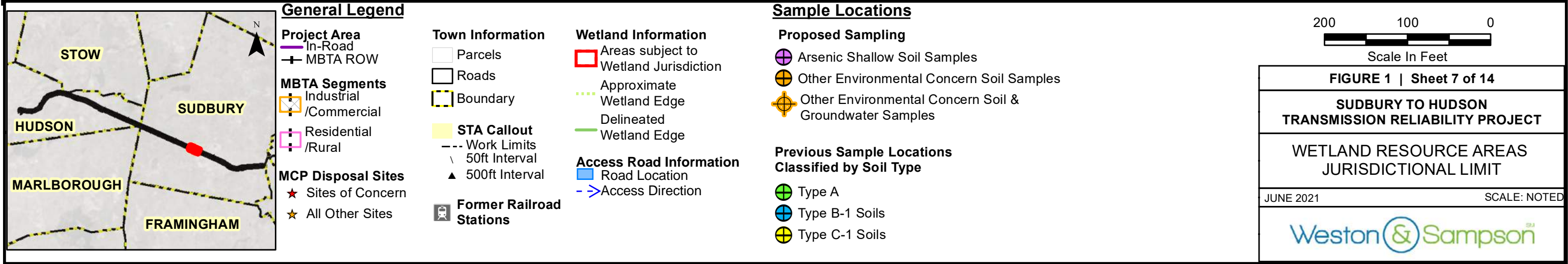
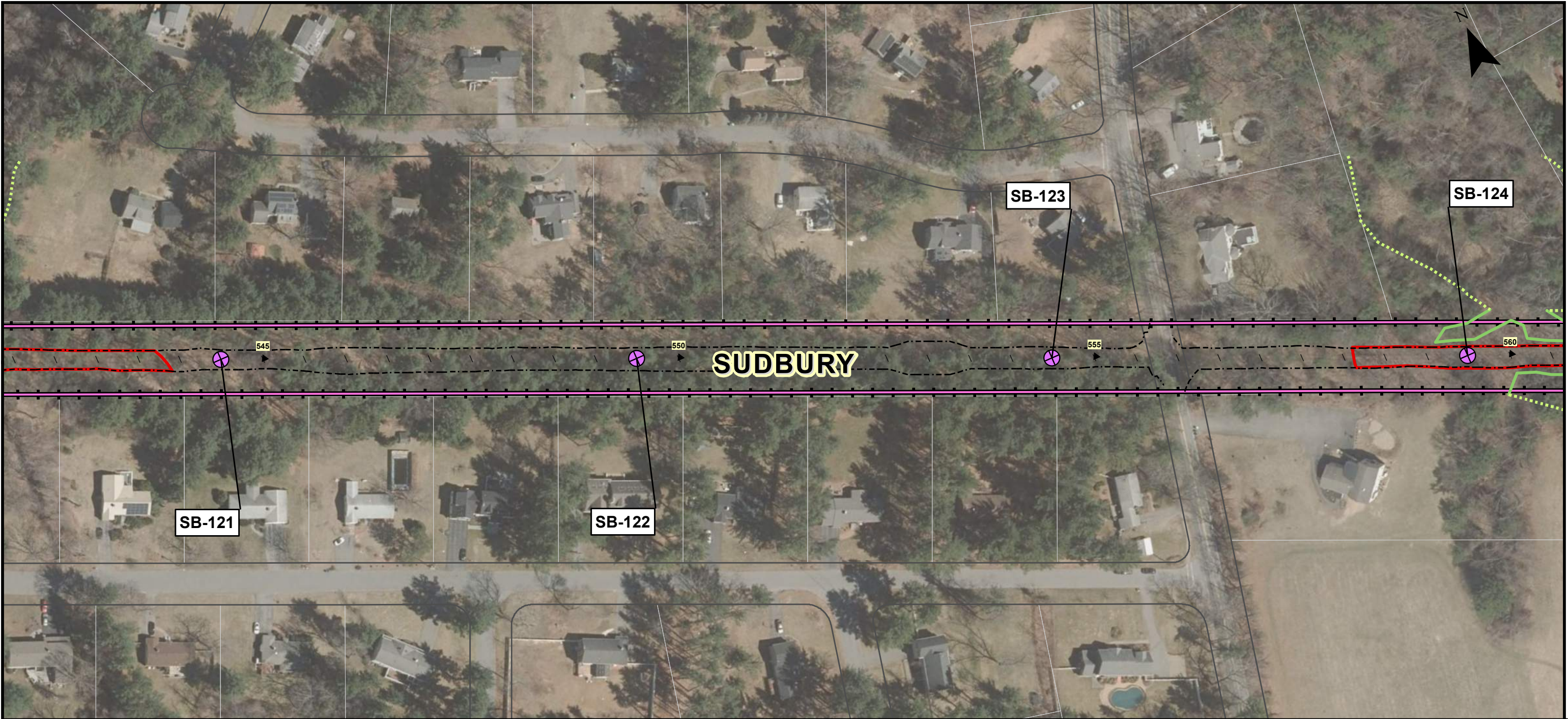
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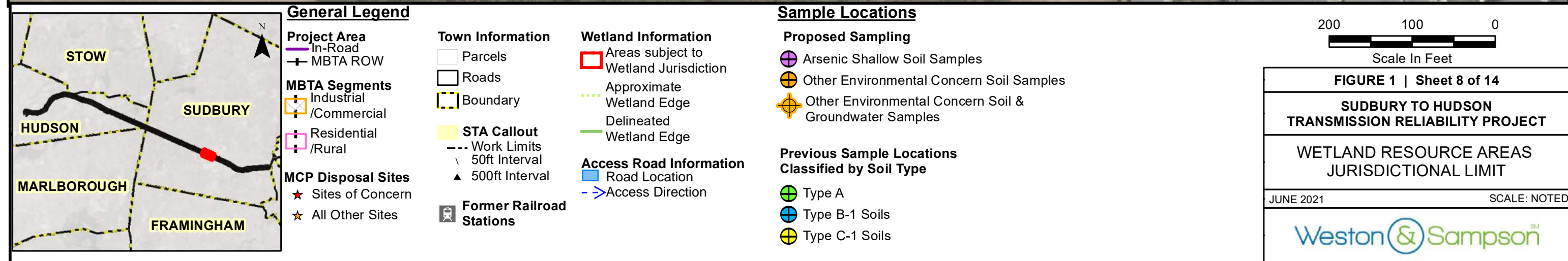
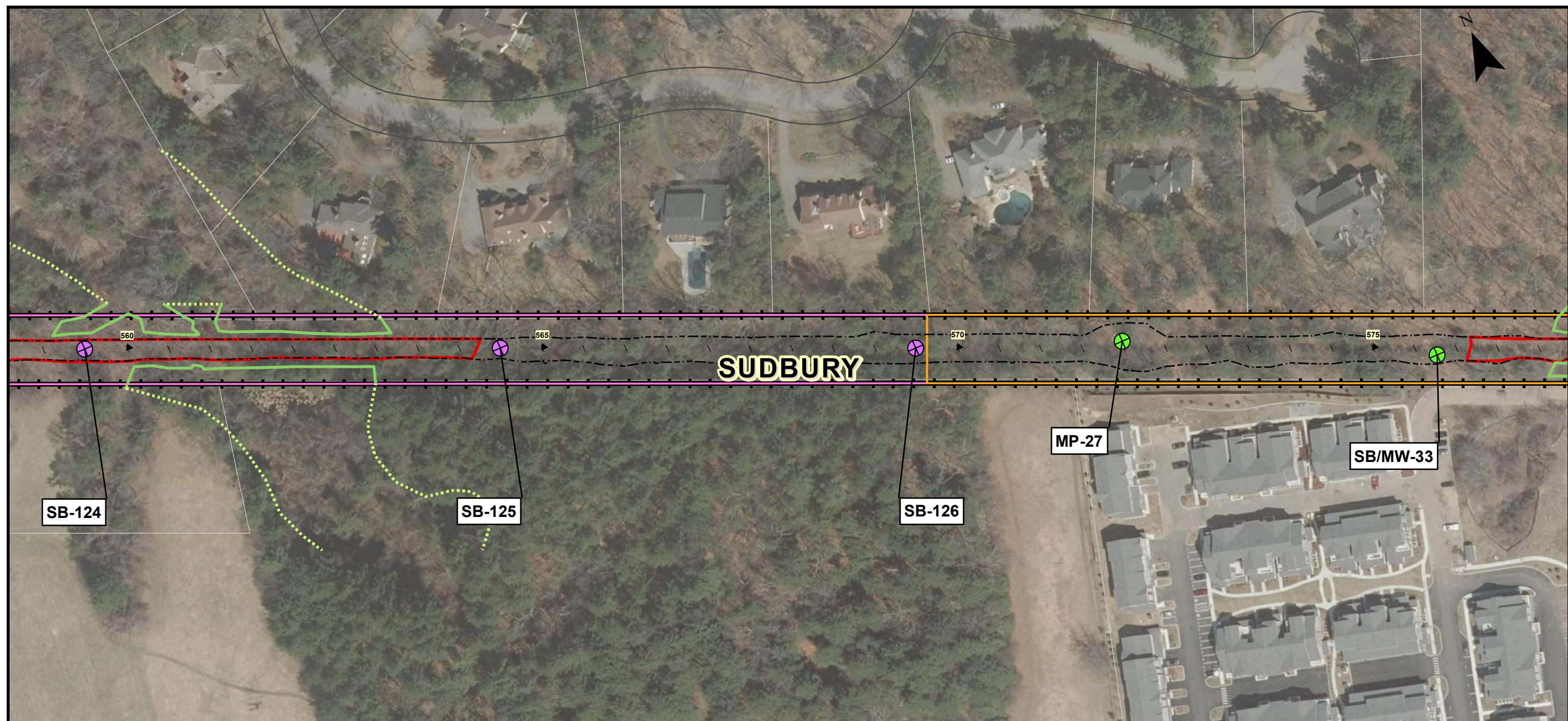
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SB-127
SB/MW-128

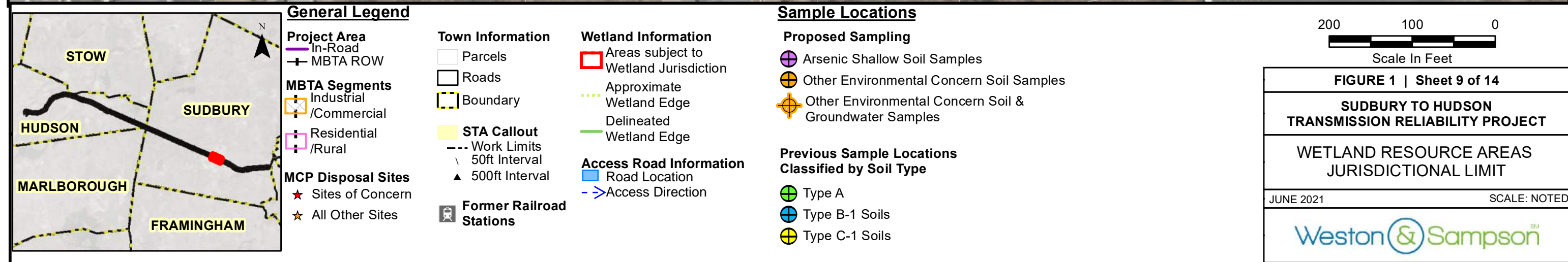
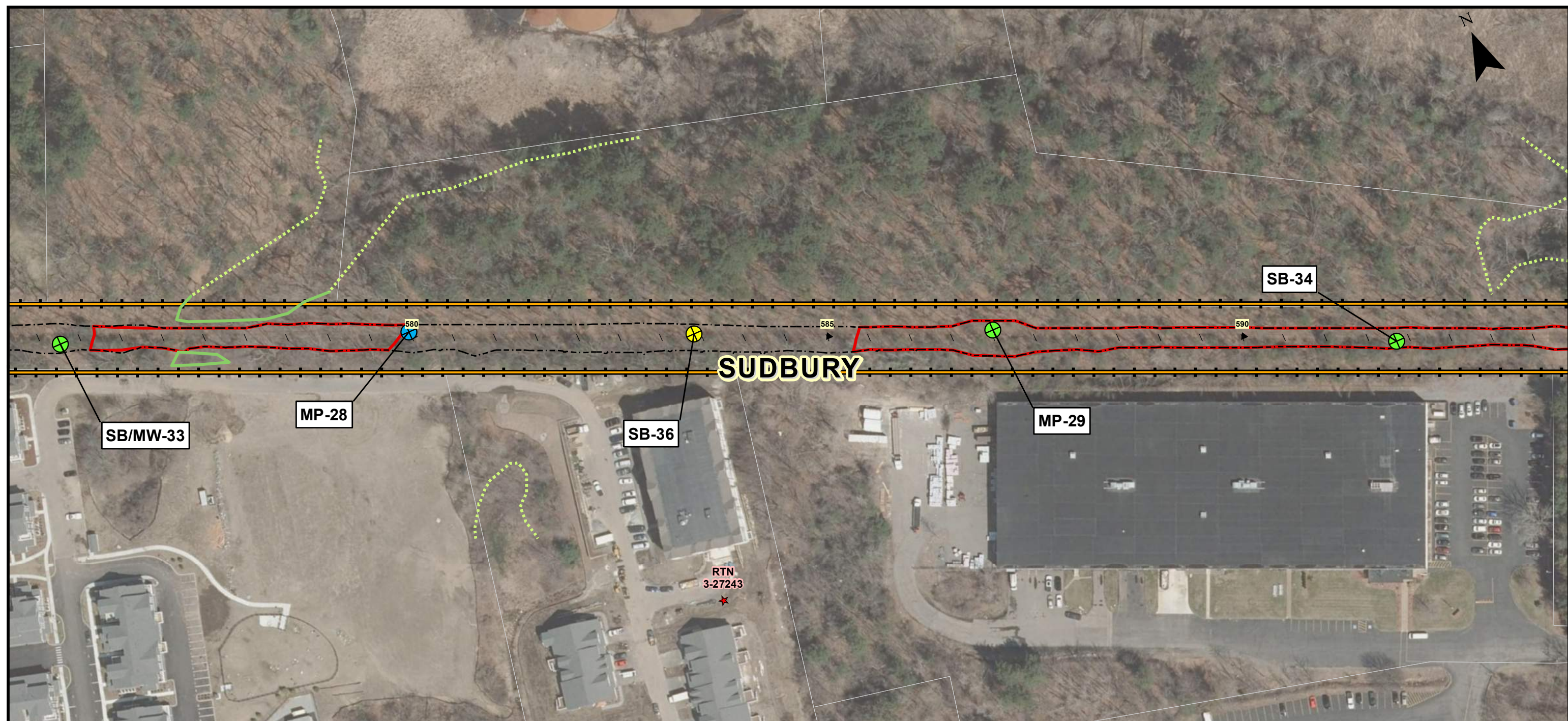




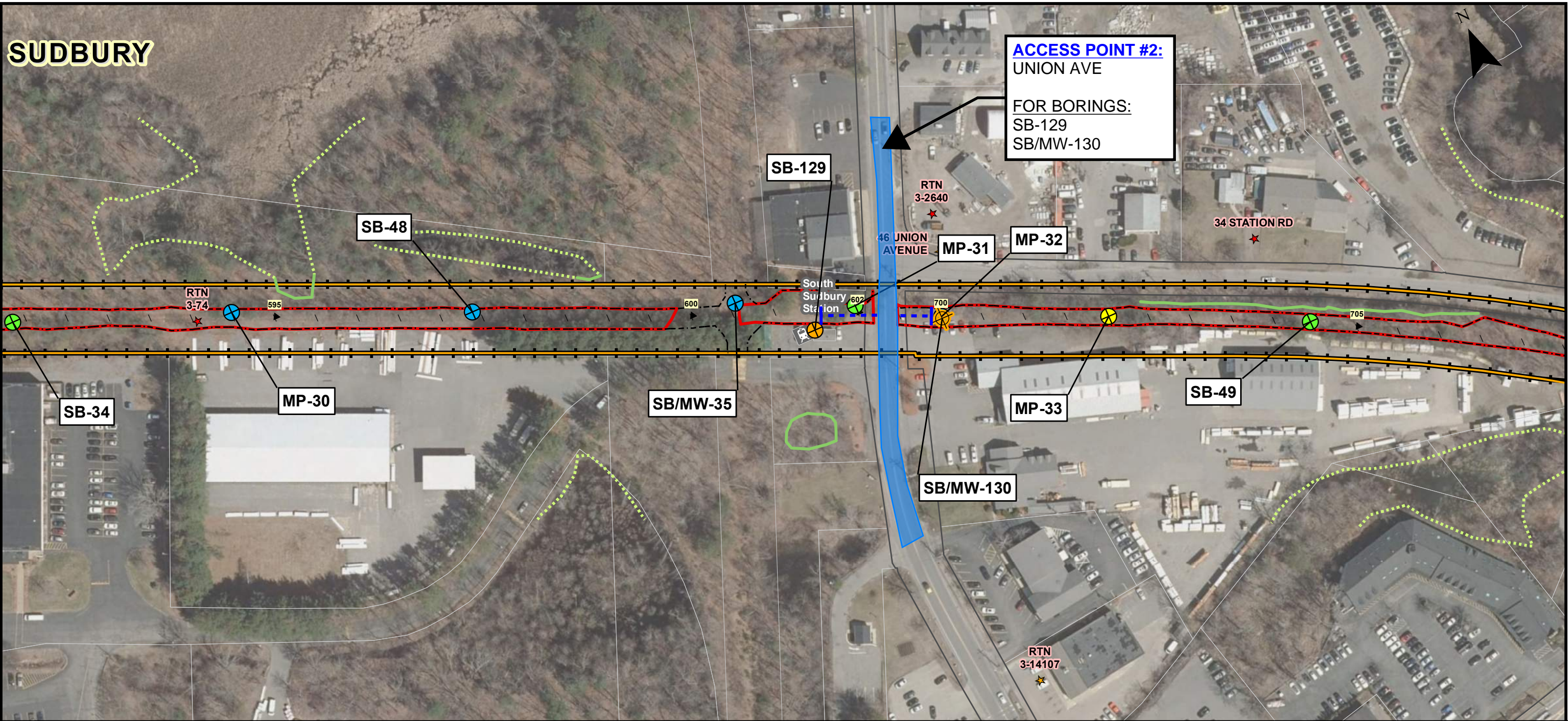






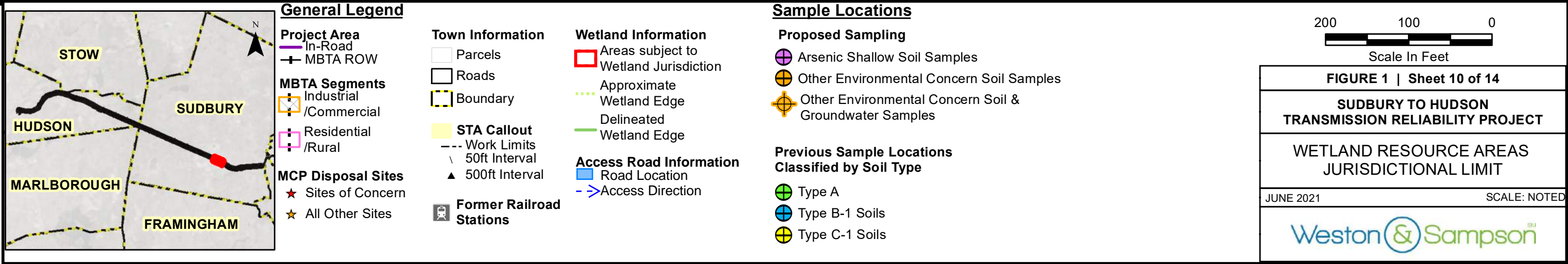


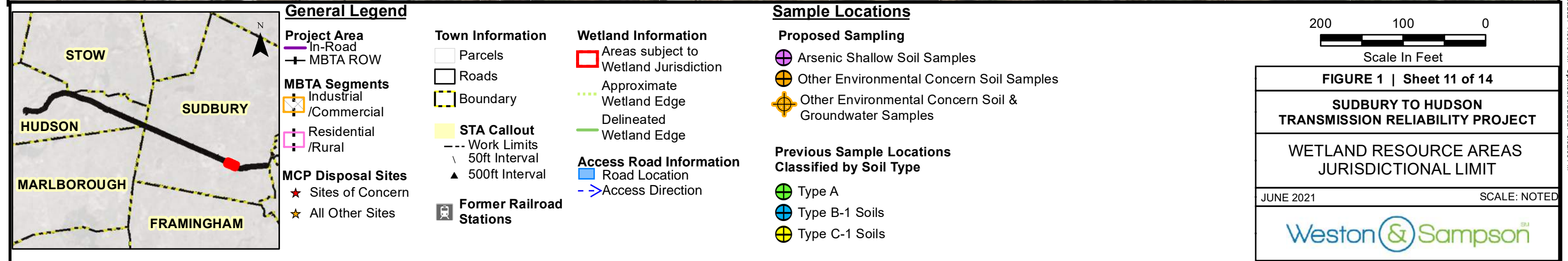
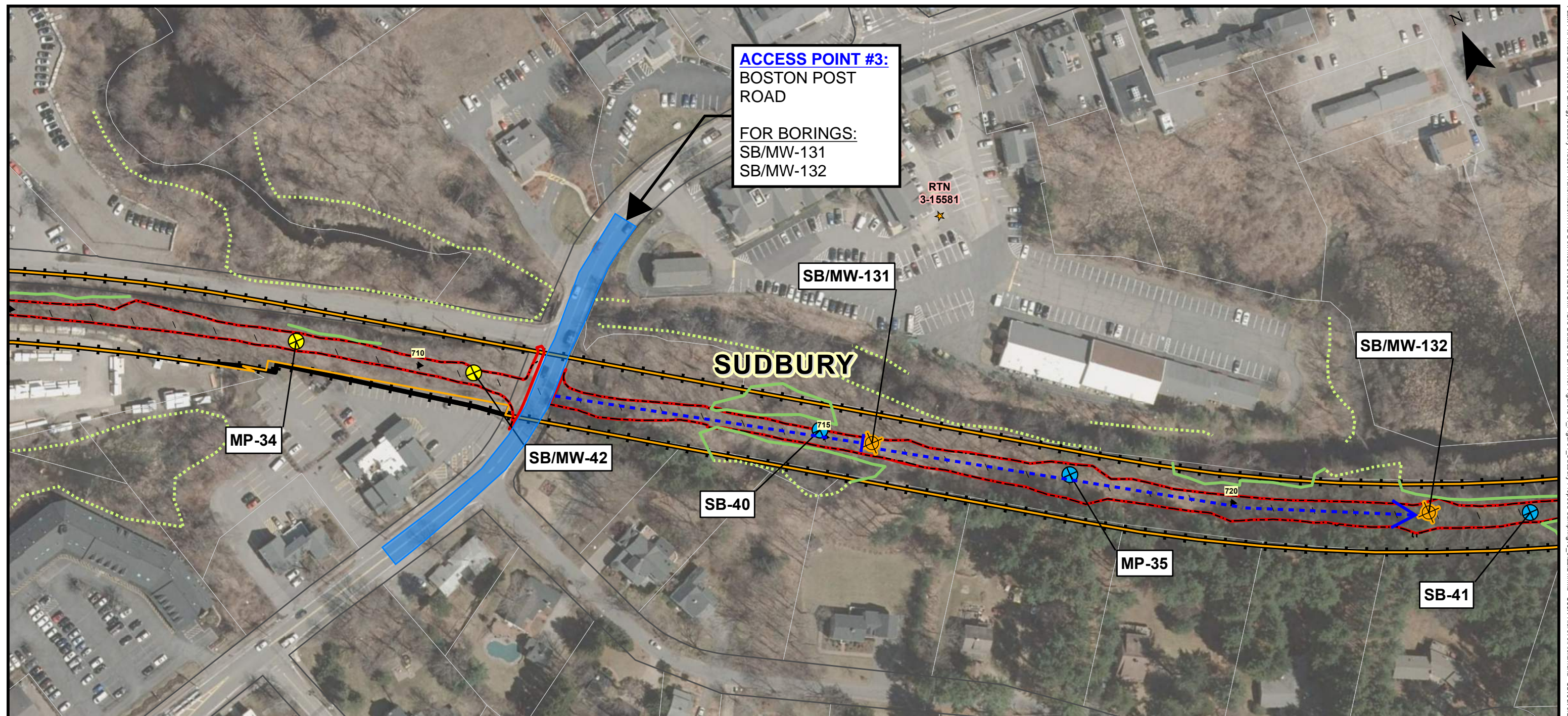
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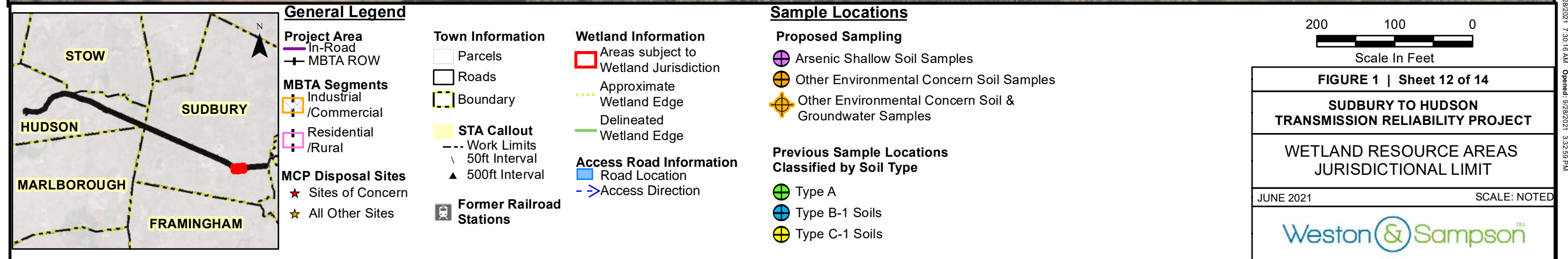
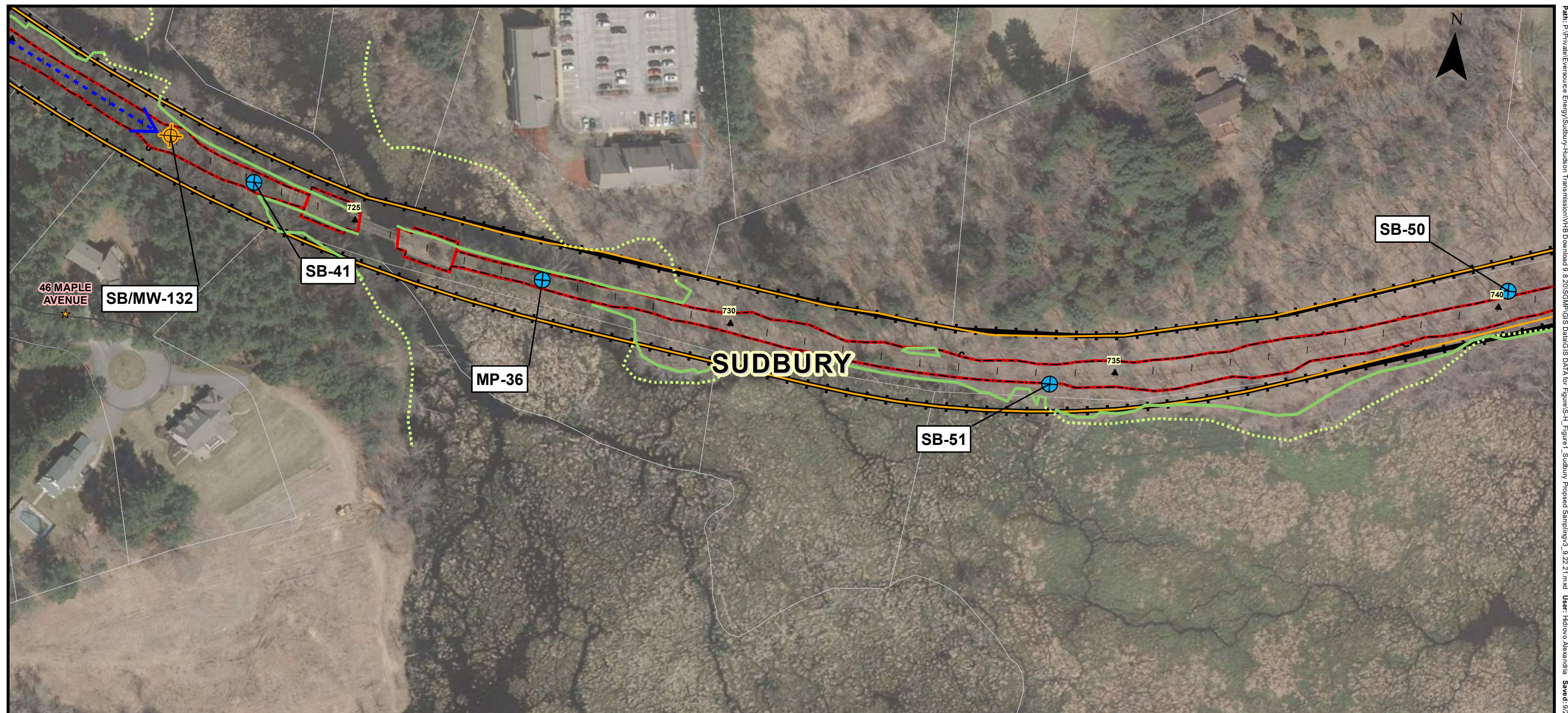


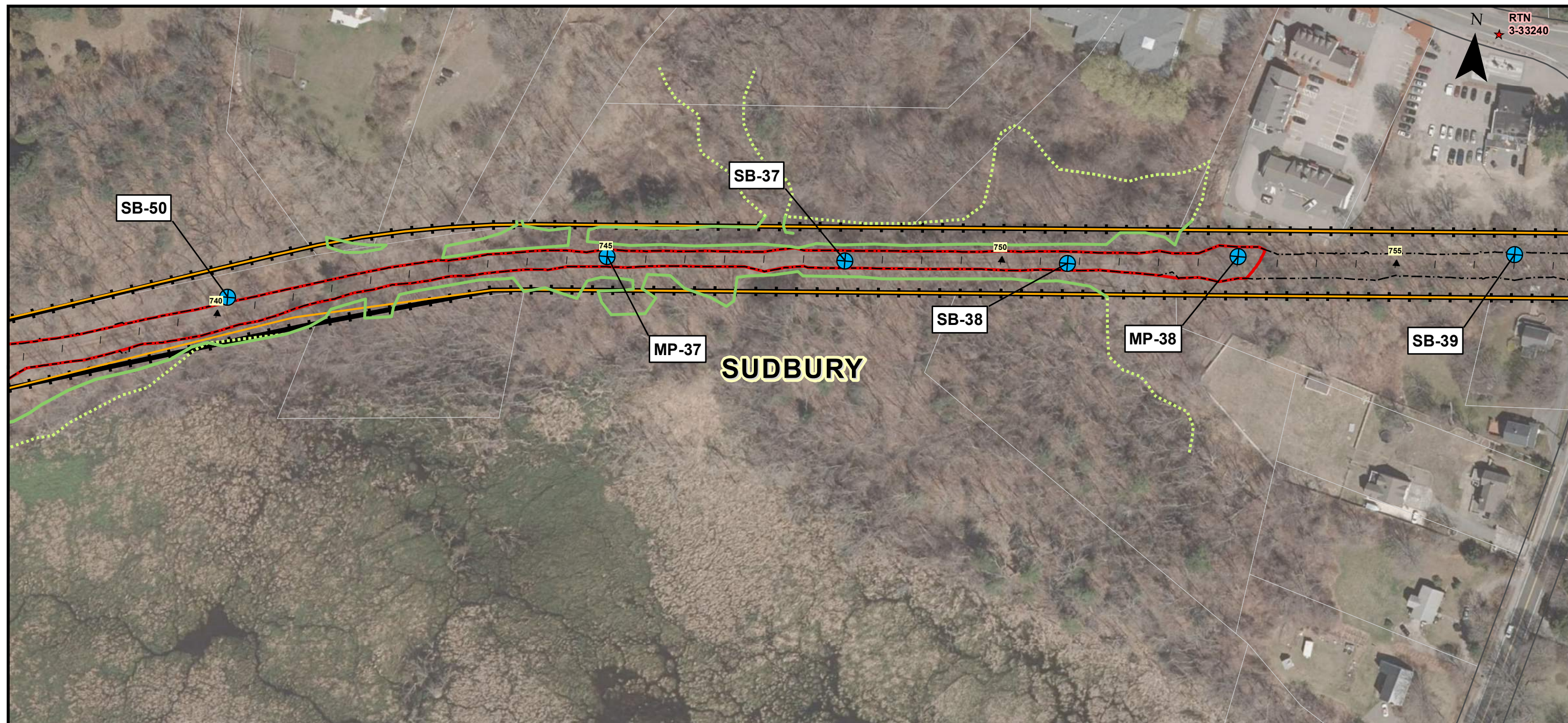
ACCESS POINT #2:
UNION AVE

FOR BORINGS:
SB-129
SB/MW-130









General Legend

Project Area

- In-Road
- MBTA ROW

MBTA Segments

- Industrial /Commercial
- Residential /Rural

MCP Disposal Sites

- Sites of Concern
- All Other Sites

Town Information

- Parcels
- Roads
- Boundary

STA Callout

- Work Limits
- 50ft Interval
- 500ft Interval

Former Railroad Stations

Wetland Information

- Areas subject to Wetland Jurisdiction
- Approximate Wetland Edge
- Delineated Wetland Edge

Access Road Information

- Road Location
- Access Direction

Sample Locations

Proposed Sampling

- Arsenic Shallow Soil Samples
- Other Environmental Concern Soil Samples
- Other Environmental Concern Soil & Groundwater Samples

Previous Sample Locations Classified by Soil Type

- Type A
- Type B-1 Soils
- Type C-1 Soils

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Scale In Feet

FIGURE 1 | Sheet 13 of 14

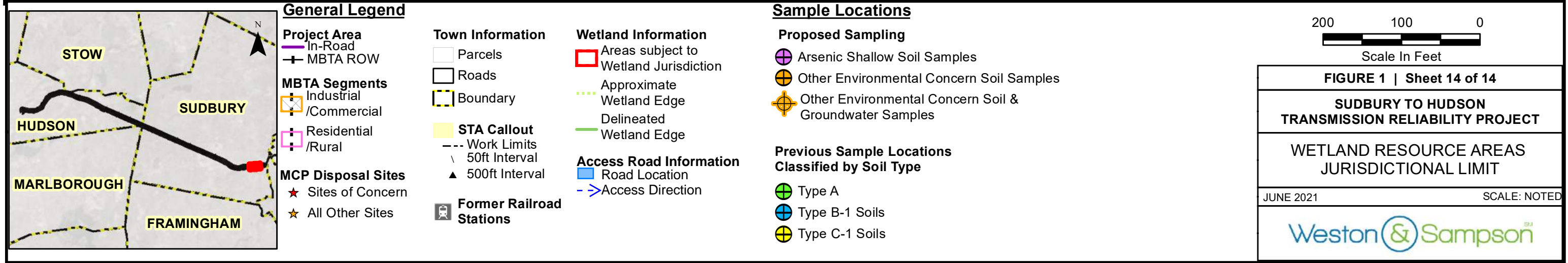
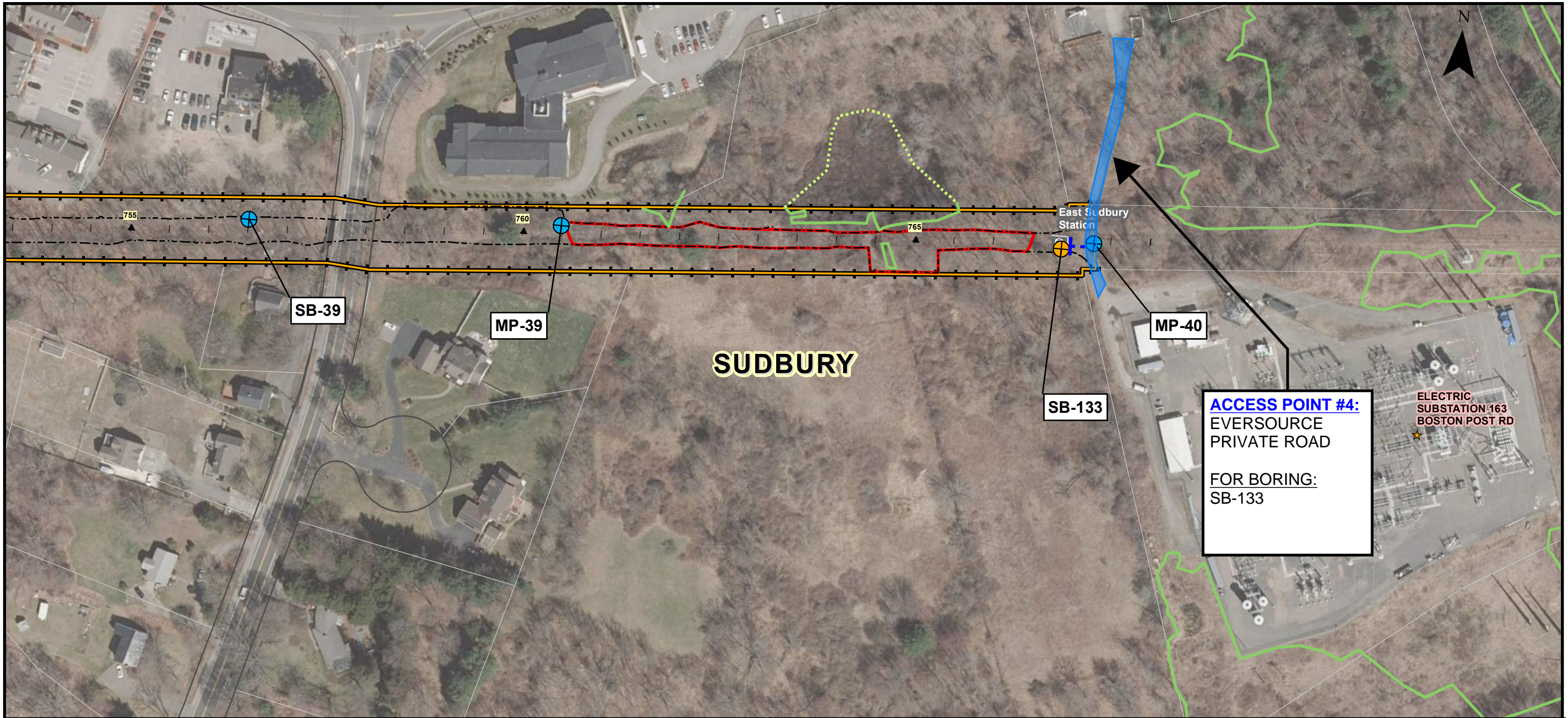
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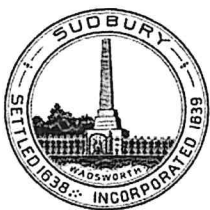
WETLAND RESOURCE AREAS JURISDICTIONAL LIMIT

JUNE 2021 SCALE: NOTED

Weston & Sampson

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Case #: 21-1
May 17, 2021

**TOWN OF SUDBURY
EARTH REMOVAL BOARD
NOTICE OF DECISION**

2021 MAY 24 PM 2:55
TOWN CLERK
SUDBURY, MASS

Location of Property:

183 Boston Post Road and the Massachusetts Bay Transportation Authority Corridor
Sudbury, MA 01776

Name and Address of Applicant:

NSTAR Electric Company d/b/a Eversource Energy
247 Station Drive
Westwood, MA 02090

Name and Address of Owner:

Massachusetts Bay Transportation Authority (MBTA)
10 Park Plaza
Boston, MA 02116

DECISION of the Earth Removal Board (the "Board") on the application of NSTAR Electric Company d/b/a Eversource Energy (the "Applicant") under Article V(A) of the Town Bylaws, to allow removal of 24,123 cubic yards ("CY") of soil for construction of a construct a new 115- kilovolt ("kV") underground electric transmission line, access driveway, and appurtenances at Massachusetts Bay Transportation Authority Corridor from the Marlborough Hudson Town Line up to and including 183 Boston Post Road, Sudbury, Massachusetts and identified as Assessors Map p K10-0014, K11-5000, K09-5000, K08-5000, K07-5000, J06-5000, J05-5000 and H03-5000 (the "Property").

This Decision is in response to an Application filed with the Board on March 9, 2021. After causing notice of the time and place of the public hearing and of the subject matter thereof to be published in the Sudbury Town Crier on April 1 and April 8, 2021, posted and mailed to the Applicant, abutters and other parties of interest as required by law, the public hearing was conducted on April 26, 2021 and continued to May 17, 2021 when it concluded. The record of the proceedings and submissions upon which this Decision is based may be referred to in the office of the Planning and Community Development office.

Michael Hager, Eversource, Project Manager; Denise Bartone, Eversource, Manager Licensing & Permitting; Mike Shamon, VHB; Paul McKinley, Weston and Sampson, LSP; Dean Bebis, Eversource, Licensing & Permitting Specialist; and Barry Fogel, Keegan Werlin, Applicant's Counsel appeared at the hearing to represent the Applicant. The Applicant sought approval to remove soil and gravel materials to construct a new 115- kV underground electric transmission line, access driveway, and appurtenances.

Members present and voting at the hearing were Jonathan W. Patch, Chair; David Booth, William Ray, Jeffrey Rose, and Benjamin Stevenson.

The Board, after considering the materials submitted with the application, together with the information developed at the hearing, finds that:

1. The Applicant seeks a Removal Permit under Article V(A) of the Town Bylaws to remove of up to 24,123 CY of soil for construction of a new 115-kV underground electric transmission line at the Massachusetts Bays Transportation Authority Corridor from the Marlborough Hudson Town Line to 183 Boston Post Road.
2. As identified in the Sudbury Soil Removal Table submitted by the Applicant on April 23, 2021, the total quantity of soil permanently removed off-site from the right-of-way (ROW) to the temporary stockpile location and then to a soil receiving facility shall be limited to 10,453 CY, which is the difference between the total proposed quantity of 24,123 CY of in-situ soil to be excavated along the ROW as a "cut" and the 13,670 CY of soil which will be reused along the ROW as a "fill".
3. The proposed activity which is the subject of this application is described in the Application, including revised material submitted to the Board on April 22, 2021, April 23, 2021 and May 10, 2021.
4. Subject to the conditions set forth below, the request is in harmony with the general purpose and intent of the bylaw.
5. Subject to the conditions set forth below, the request will be completed in a way that is not detrimental to the neighborhood.
6. Subject to the conditions set forth below, adequate and appropriate transportation of materials will be provided for the proper operation of the proposed request.
7. The Board has imposed restrictions which are necessary for the general welfare of the Town, noted below.

Therefore, the Board, after reviewing the available materials and based upon the above findings, voted unanimously to **GRANT** the **REMOVAL PERMIT** subject, to the following conditions:

1. The proposed activity shall be conducted substantially in accordance with the Application submitted and materials contained in the file.
2. This permit is non-transferable, and pursuant to the Earth Removal Bylaw Section 7, will expire in one year on May 17, 2022. The Board will consider permit renewal upon receipt of proper application on or before that date.
3. Construction activities will be performed between the hours of 7:00 a.m. to 6:00 p.m. Monday through Friday. No work shall take place on Saturday or Sunday.
4. Vehicular and heavy equipment access shall be minimized on roadways to the maximum extent possible. In particular, the use of tractor/trailer trucks accessing the right-of-way (ROW) on Dutton Road, Peakham Road, and Horse Pond Road shall be minimized. Eversource shall work with the Sudbury Department of Public Works Director, who will coordinate with the Police and Fire Departments to ensure safe passage of vehicles, bicycles, and pedestrians at all points during construction in the Public Ways. Particular care will be given to the safe passage of children to and from schools near the construction in the Public Way. A police detail shall be present as needed and upon request by Town representatives.
5. Appropriate measures shall be taken to prevent tracking of material onto any public way. Soil on outgoing trucks shall be stabilized via the use of covers.
6. Street sweeping of the adjacent streets will be conducted as needed or as directed by Town representatives, but no less frequent than weekly.

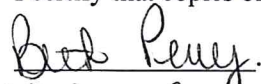
7. General precautionary measures shall be taken to prevent erosion on the site into adjacent wetlands.
8. A copy of the SWPPP will be prepared and submitted to the Town with documentation of receipt by the EPA.
9. Proposed off-site stockpile locations in the Town of Sudbury shall be submitted to the Board for review and approval.
10. Any stockpiled soil must be surrounded by siltation fencing to minimize sedimentation during construction. The contractor shall take appropriate measures to minimize dust impacts to abutters and vehicular traffic, including wetting of stockpiles, temporarily covering them, or seeding them, as required.
11. At least two weeks prior to any blasting, if proposed, a blasting plan shall be submitted to the Board for record. Blasting Permits are issued by the Sudbury Fire Department.
12. At least two weeks prior to any land disturbance, a Soil and Groundwater Management Plan (SGMP) prepared in conjunction with the selected contractor shall be submitted to the Board for review and approval. The Applicant shall give due consideration to address comments received from the Board to minimize potential impacts to project abutters and the Town as a whole. The SGMP will develop means and methods to manage soils and groundwater encountered during project construction activities including soil excavation, groundwater dewatering, soil stockpiling, soil hauling, dust management, and railroad tie and track removal to avoid and minimize the risk of exposure to potential contaminants. If conditions are encountered that suggest soil may require additional evaluation or special handling based on visual, olfactory, or field screening results, excavation activities in that area will be immediately stopped and Eversource, their Licensed Site Professional (LSP), and the Board will be contacted immediately to evaluate the observations and review and comment on their proposed procedures for proper handling. Furthermore, as part of the SGMP, Eversource shall implement a tracking system to document the approximate origin of soil along the ROW that is hauled to the off-site temporary stockpile location. The Board shall be copied on all related correspondence.
13. The Applicant shall, at a minimum, perform additional chemical testing of soil and groundwater samples from the ROW and surrounding properties a minimum of four weeks prior to significant disturbance of the soil. This shall include, at a minimum, the following scope of sampling and testing:
 - a. Performing chemical testing of in-situ shallow soil samples along the former track bed for the presence of total arsenic in Segment 3 of the project (defined herein as the residential, rural, undeveloped corridor located approximately between the Sudbury-Hudson border to near the northwest corner of the Meadow Walk Sudbury) at every approximately 500 linear feet prior to commencing excavation of soil, after the railroad ties are removed and the erosion controls are in place. This is anticipated to require approximate 30 total samples.
 - b. Furthermore, at a minimum, testing of soil and/or groundwater shall be performed at seven (7) of the properties of potential environmental concern located in Sudbury where soil and/or groundwater testing was previously not performed on behalf of Eversource which are listed in the table entitled "Summary of Properties of Concern, MBTA ROW, Transmission Line Project, Sudbury to Hudson, Massachusetts" contained in a memorandum entitled "Summary of Hazardous Materials Assessment, Proposed Transmission Line Project, Sudbury to Hudson, Massachusetts prepared by VHB dated September 29, 2017.

- i. The testing of soil and/or groundwater samples at each of these specific sites shall be performed for the constituents of concern within the proposed depth of excavation for the project.
 - c. The results of all testing shall be submitted to the Board, along with all documentation prepared by their LSP, for its record.
14. Conditions number 9, 12 and 13 above may require the Board to hold a public meeting with the Applicant to review and discuss the proposed plan and stockpile location(s) and results of chemical testing. The public meeting will not require abutter notification or a public hearing but will be an open public meeting. The Town will endeavor to convene a quorum of members for a meeting to be scheduled within 10 days of the soil test results, proposed plan and stockpile location being submitted to the Board.
15. At least two weeks prior to the loading and hauling of stockpiled soil to a licensed soil receiving facility, Eversource shall submit to the Board for its records the results of the chemical testing performed on the stockpiled soils along with all documentation prepared by their LSP and the soil receiving facility.
16. The applicant shall submit to the Board monthly the total quantity of soil that has been loaded and hauled from the temporary stockpile location to licensed soil receiving facilities.
17. The total quantity of soil permanently removed off-site from the ROW to the temporary stockpile location and then to a soil receiving facility shall be limited to 10,453 CY, which is the difference between the total proposed quantity of 24,123 CY of in-situ soil to be excavated along the ROW as a "cut" and the 13,670 CY of soil which will be reused along the ROW as a "fill". The Board shall be notified of any changes to the earth removal plan and quantities to be removed.
18. Prior to commencing the work, the Town shall be given the name of a contact person who will be available should problems arise associated with construction.
19. The requirement for a performance guarantee is waived given that the project has received a Stormwater Management Permit approval from the Sudbury Planning Board and subject to the Stormwater Management Permit Decision, prior to occupancy any conditions unfulfilled will be subject to a performance guarantee.
20. Clearing shall only be allowed upon review by and to the extent approved by the Sudbury Conservation Commission and Planning Board.
21. This Removal Permit shall not take effect until a copy of the Decision has been recorded in Middlesex County South District Registry of Deeds.
22. The Decision rendered herein is concerned only with the Town Bylaw noted above, and not with the Building Code or any other Town Bylaw. The Applicant is responsible for determining and complying with Town, State, and Federal regulations in using the authorization granted.

TOWN OF SUDBURY EARTH REMOVAL BOARD

By, , Chair

I certify that copies of this Decision have been filed with the Sudbury Town Clerk and Planning Board on


May 24, 2021

TOWN CLERK
SUDBURY, MASS

2021 MAY 24 PM 2:55

54LT Features

- Hydraulic Lateral Swing for Offset Probe Placement
- Two-Speed Pull Cylinder
- Robust Geoprobe® GH42 Hammer System
- Integrated V-Block Design for Rod Grip Use
- Fits Through Standard 36-in. Doorways
- Bi-directional Hammer Rotation
- Tethered Remote System
- Optional Low Clearance Cylinder (under 8 ft)
- Auxiliary Hydraulic Ports for Remote Equipment
- Rear Stabilizer



Soil and groundwater samples inside abandoned factory.



Tooling

Typical Geoprobe® Tooling for the 54LT

- 48-in. Direct Push Tooling
- Probe Rod Sizes: 2.25 in., 1.5 in., 1.25 in.
- Macro Core® MC5 Soil Sampling
- LB Soil Sampling
- DT22 Soil Sampling
- SP22 Groundwater Sampling
- SP16 Groundwater Sampling
- 0.75-in. Prepacked Monitoring Well Installations



Videos, Photos, Specifications, and Resources
geoprobe.com/54lt