

October 26, 2021

Town of Sudbury Select Board
278 Old Sudbury Road
Sudbury, Massachusetts 01776

Re: **Grant of Location (GOL) Sampling Plan
Sudbury to Hudson Electrical Transmission Project**

To Whom It May Concern:

Weston & Sampson Engineers, Inc., (Weston & Sampson) on behalf of Eversource Energy (Eversource), has prepared this sampling plan for the above-referenced project (the Project). The plan outlines the scope and procedures to complete soil sampling and groundwater measurements on Town of Sudbury property as requested by Town of Sudbury's Select Board under Condition 43 and 44 of the Grant of Location (GOL) dated May 5, 2021 and filed with the Town Clerk on May 10, 2021.

1.0 Background

The Project will include installing a new underground 115 kV electrical transmission line through Sudbury, Marlborough, Stow and Hudson, Massachusetts. According to the Project's plans and specifications, within the Town of Sudbury this work will include constructing approximately four (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 Sudbury limits of work are shown in Figure 1.

2.0 Permit Conditions

The Town of Sudbury Select Board, as specified in the GOL, requires assessment at the following road crossings in Sudbury:

- Dutton Road,
- Peakham Road,
- Horse Pond Road,
- Union Avenue Pond Road (at its intersection with the MBTA railroad corridor),

Condition 43 of the GOL requires Eversource to perform additional chemical testing of soil as follows:

Company shall provide measurements of contaminants including PFAS and other toxins specified by Town of Sudbury at each of the crossings prior to the start of construction.

Condition 44 of the GOL requires Eversource to obtain additional groundwater information as follows:

Company shall provide Groundwater flow and direction measurements and analysis for each of the crossings to the Town of Sudbury and the Sudbury Water District.

3.0 Sampling and Analysis Plan

The following sampling and analysis plan has been prepared to meet the requirements of the GOL Conditions 43 and 44. The procedures for sample 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.

Soil Boring Advancement

Prior to the start of the boring program, the Town of Sudbury Department of Public Works (DPW) will be contacted to identify the proper road opening permits and/or traffic management requirements needed to implement the boring program. In addition, each boring location will be pre-marked with white paint and DigSafe will be notified to identify subsurface utilities at each crossing prior to the work. The scope will consist of advancing one (1) boring within the asphalt roadway at each of the four (4) crossing locations which are labeled (consistent with project nomenclature) and depicted on Figure 1 as follows:

- Dutton Road - Proposed Boring SB-134
- Peakham Road – Proposed Boring SB-135
- Horse Pond Road – Proposed Boring SB-136
- Union Avenue Pond Road – Proposed Boring SB-137,

To perform the work, Weston & Sampson will subcontract a driller to advance the borings to a depth commensurate with the depths of concern related to project construction and localized conditions. One composite soil sample will then be collected from each boring and submitted for laboratory analysis as detailed below.

After collecting soil samples from each location, each boring will continue to be advanced until the water table is encountered to determine the depth to water at each crossing location to support groundwater flow analysis required by Condition 44 of the GOL.

Soil Sampling & Analysis as full depth composite

The composite soil samples obtained from each crossing location will be collected and submitted to Con-test laboratory in East Longmeadow, MA for the analysis of the following parameters:

- Per- and polyfluoroalkyl substances (PFAS) as specified in the GOL using LC/MS/MS with isotope dilution methodology, which is the Massachusetts Department of Environmental Protection's (MassDEP) current preferred analytical method.
- RCRA 8 metals analyzed via EPA Method 6010 as they are indicative of historical/urban fill and includes lead and arsenic, which are potential contaminants of concern for the Project.
- Semi-volatile organic compounds (SVOCs) via EPA Method 8270 as these analytes include combustion by-products and represent potential contaminants of concern for the Project.

At the conclusion of the field work, each boring location will be backfilled with drill cuttings from each location and road surface will be repaired and restored as required by DPW permit requirements.

Quality Assurance and Sample Management

Soil samples 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. Weston & Sampson PFAS sampling Standard Operating Procedure (SOP) will be followed during sample collection.

4.0 Data Evaluation and Reporting

Weston & Sampson will prepare a brief letter report with supporting graphics and tables to present the sampling results to the Town of Sudbury. Soil analytical data will be compared to applicable MCP reportable concentrations (RCs). The depth to groundwater at each crossing, in conjunction with available hydrogeologic information in the area, will be utilized to evaluate if groundwater will be encountered during the Project and present a general groundwater flow direction. If required, the data collected as part of this task will be incorporated into the Soil and Groundwater Management Plan (SGMP) which is being prepared for the Project. Following review by the Project's Licensed Site Professional (LSP) and Eversource, these results will be forwarded to the Select Board and Sudbury Water district, as required by Condition 43 and 44.

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,

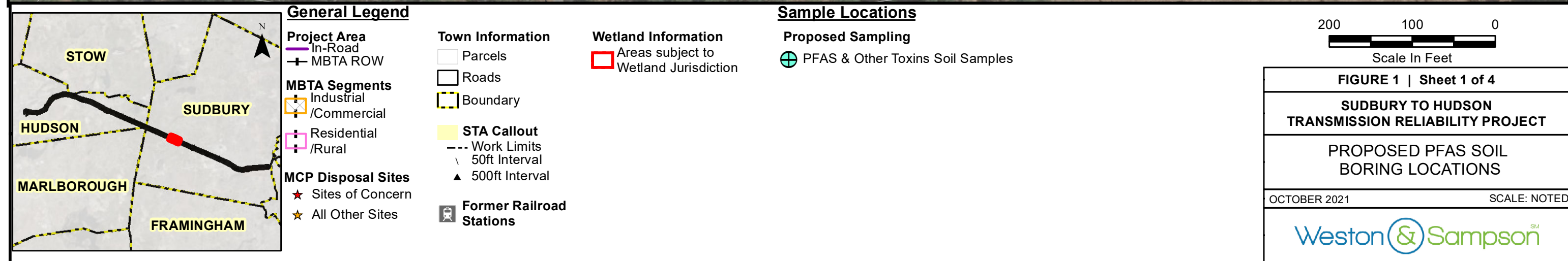
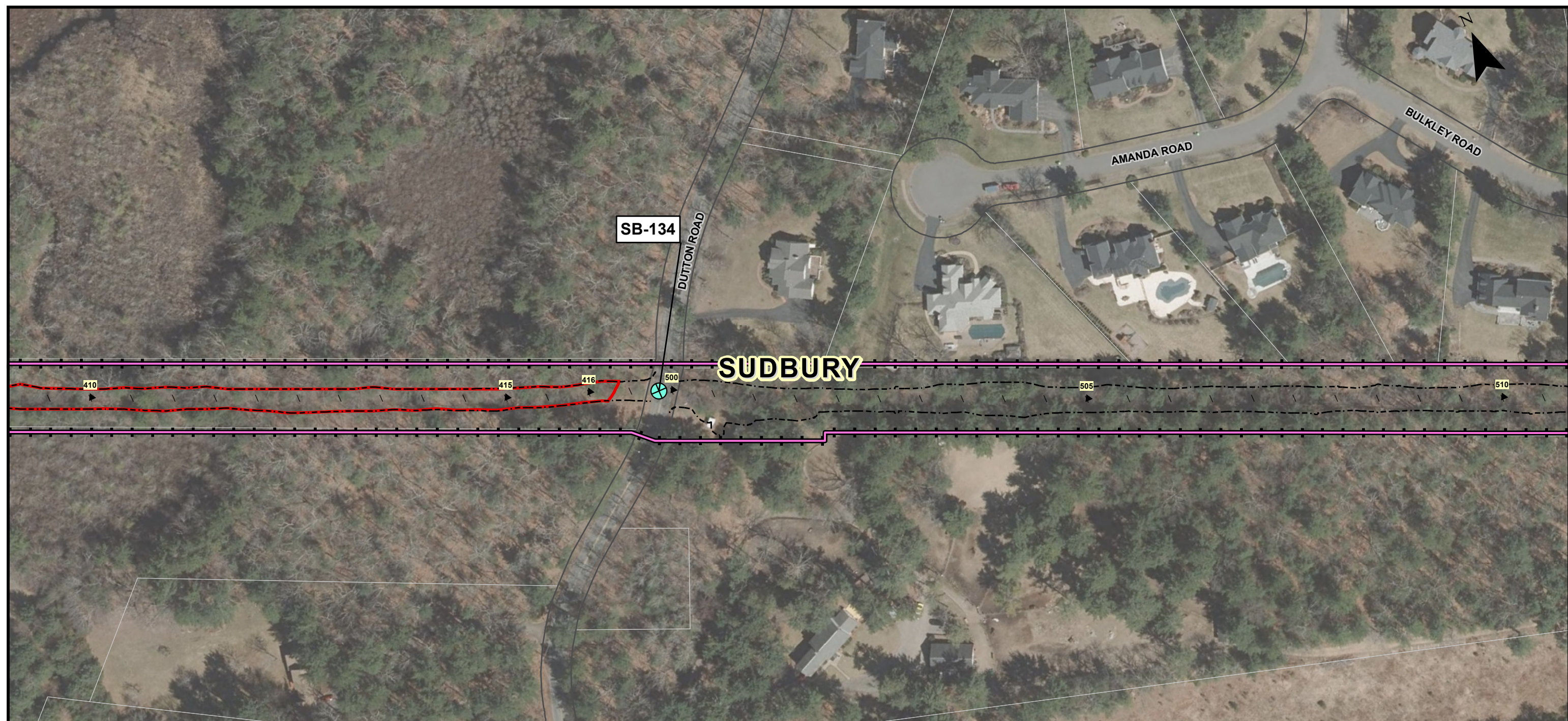
WESTON & SAMPSON ENGINEERS, INC.

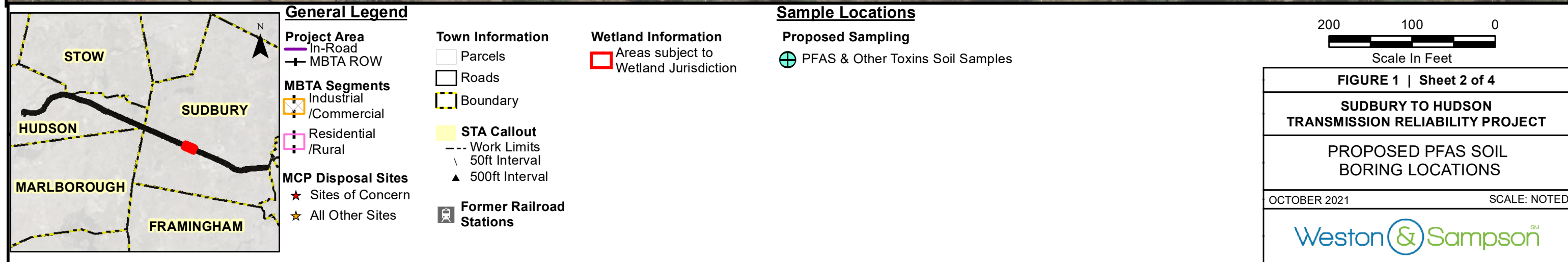
A handwritten signature in black ink, reading "Paul McKinlay". The signature is fluid and cursive, with a long horizontal stroke extending from the end.

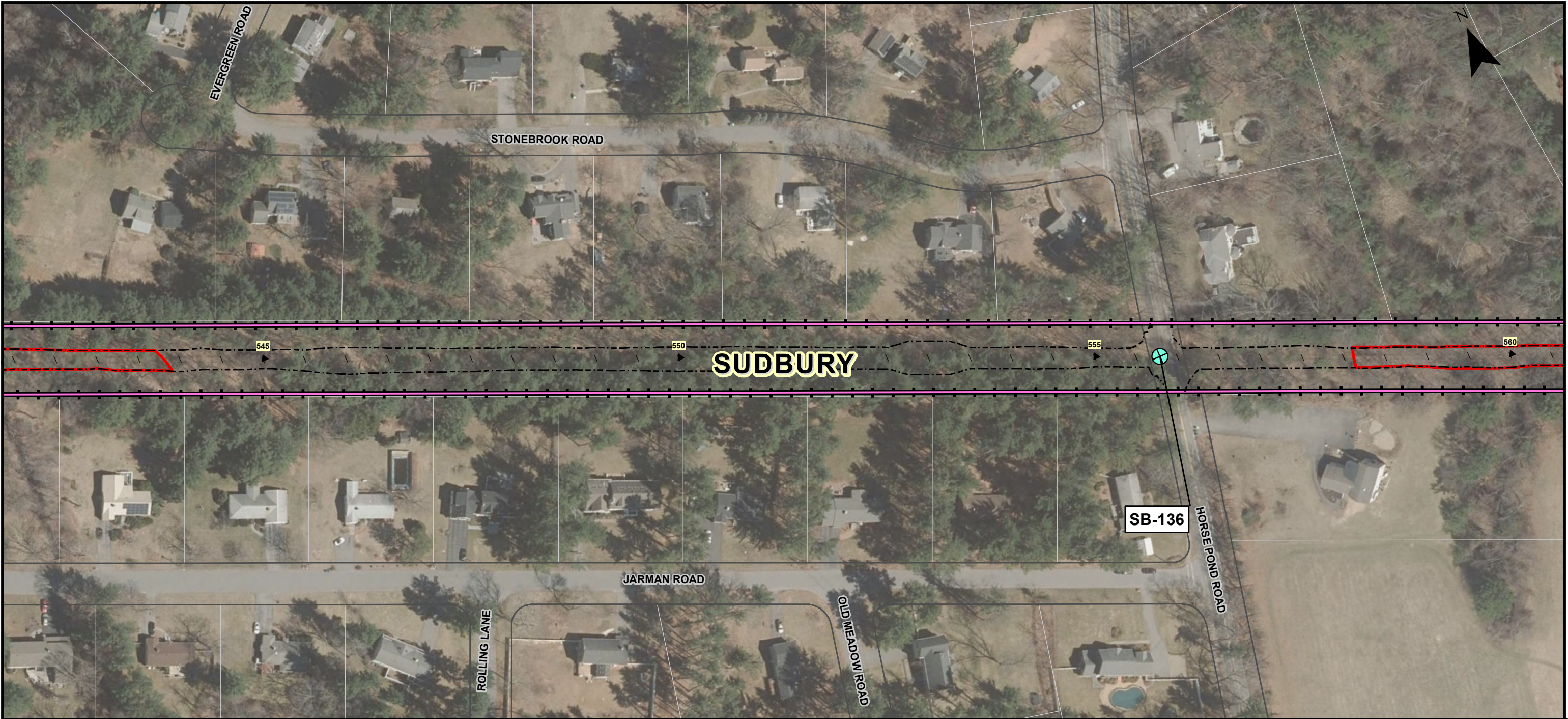
Paul McKinlay, PG, LSP
Senior Team Leader

Attachment: Figure 1 – Proposed PFAS Soil Boring Locations

cc. Dean Bebis, Eversource Energy
Michael 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

Sample Locations
Proposed Sampling
PFAS & Other Toxins Soil Samples

2001000

Scale In Feet

FIGURE 1 | Sheet 3 of 4

SUDBURY TO HUDSON
TRANSMISSION RELIABILITY PROJECT

PROPOSED PFAS SOIL
BORING LOCATIONS

OCTOBER 2021SCALE: NOTED

Weston & SampsonSM

Path: P:\Private\Environment\Energy\Sudbury-Hudson Transmission\HB Download 9.8.20\GMP\GIS Data\GIS DATA for Figures\S-H_Figure 1_Sudbury Proposed PFAS Sampling_10.6.21.mxd User: Hidrova, Alexandra Saved: 10/6/2021 6:05:44 AM Opened: 10/13/2021 1:48:36 PM

