

56 Prospect Street P.O. Box 270 Hartford, CT 06103

Kathleen M. Shanley Manager – Transmission Siting Tel: (860) 728-4527

December 20, 2018

Melanie Bachman, Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06051

Re: Sub-Petition No. 1293-MGP-02

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is filing the attached Sub-Petition No. 1293-MGP-02 with the Connecticut Siting Council ("Council"), regarding maintenance work within its transmission right-of-way in Manchester, Glastonbury, and Portland, Connecticut. The work includes replacing 28 existing wooden transmission structures with new weathering steel transmission structures.

Eversource notified the officials of the municipalities of Manchester, Glastonbury, and Portland of Eversource's submission of the Sub-Petition and sent copies of the Sub-Petition to owners of directly abutting properties (see Proof of Notice).

Enclosed please find an original and 3 copies of this filing.

Please contact me at 860-728-4527 if you have any questions regarding the enclosed Sub-Petition.

Sincerely,

Enclosures

Attachments: Exhibit A: Sub-Petition Exhibit B: Photographs and Photo Simulation Exhibit C: Maps Exhibit D: Abutter Letter and Proof of Notice

ATTACHMENT A

SUB-PETITION

THE CONNECTICUT LIGHT AND POWER COMPANY doing business as <u>EVERSOURCE ENERGY</u>

Sub-Petition CONNECTICUT SITING COUNCIL – PETITION NO. 1293 TRANSMISSION FACILITY ASSET CONDITION MAINTENANCE IMPROVEMENTS TO COMPLY WITH THE UPDATED NATIONAL ELECTRIC SAFETY CODE CLEARANCE REQUIREMENTS

Town: Manchester, Glastonbury, and Portland Sub-Petition No. 1293-MGP-02

Project: 3424 Transmission Line Structure Replacement Project

Structure Location: 28 Transmission Structures located in Manchester, Glastonbury, and Portland, Connecticut

I. Introduction:

In accordance with Condition 1 of the March 30, 2017 ruling by the Connecticut Siting Council (the "Council") (as set forth in the Council's March 31, 2017 letter) regarding Petition No. 1293, The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") submits this Sub-Petition.

II. Description of Transmission Work Activities:

Eversource's 3424 Transmission Line Structure Replacement Project is part of an ongoing maintenance program which evaluates the integrity of its utility structures and implements repair, upgrade or replacement in order to ensure the safe and reliable transmission of power to its customers. Due to asset condition, many structures require replacement on a portion of the 3424 Line between Ramey Drive in Manchester, Connecticut and the Connecticut River in Portland, Connecticut. The 3424 Line, in its entirety, is a 345-kV transmission line that extends from Manchester Substation in Manchester through the towns of Glastonbury and Portland to the Kleen Energy Generation Station in Middletown, Connecticut. Of these replacements, 28 structures require a slight increase in structure height to comply with current clearance requirements. The 28 structures to be replaced are a mix of wood H-frame structures and monopole structures.

Eversource plans to conduct transmission structure replacement work to remediate structure damage caused by structure age, weather, and woodpecker activity. The following work ("Work Activities") will be performed:

• Replace 28 existing wood H-frame structures with new weathering steel H-frame structures. Each replacement structure will be of the same design as its corresponding existing structure, though slightly taller (10 feet or less) than the existing structures. The replacement structures will be installed within 15 feet of the existing structure locations.

III. No Substantial Adverse Environmental Effect:

Eversource respectfully submits that the proposed modifications would have no "substantial adverse environmental effect" pursuant to Conn. Gen. Stat. § 16-50k, based on the following factors:

- a) Work Activities would take place in areas within Eversource's property and existing right-of-way ("ROW") utilizing existing and proposed new permanent access roads as well as some temporary access roads (collectively the "Work Areas"). Some of the existing access roads will be improved.
- b) Work Activities would result in approximately ±56,470 square feet ("SF") of temporary wetland impacts limited to temporary construction matting required for the construction of access roads to Structures 12220, 12217, 12216, 12207, 12137, and 12129 and work pads at Structures 12220, 12217, 12216, 12207, and 12129. See table below for wetland impact details.

Structure Number	Construction Work Pads Temporary Wetland Impacts (SF)	Access Roads Temporary Wetland Impacts (SF)
12220	±9,690	±3,080
12217	±10,000	±1,460
12216	±8,850	±560
12207	±10,000	±530
12137	0	±970
12129	±7,580	±4,130
Subtotals:	±46,120	±10,730
	TOTAL: ±	56,470

Work would be conducted in accordance with Eversource's *Best Management Practices Manual for Massachusetts and Connecticut (Construction and Maintenance Environmental Requirements), September 2016 ("BMPs")* to avoid impact to nearby wetland and watercourse resources.

- c) No direct impacts to vernal pools would result from any of the proposed Work Activities. However, a portion of the existing access road to Structure 12106 is located within the potential vernal pool ("PVP") envelope associated with PVP-1, however, no access road improvements are needed within this area. In addition, a herpetologist will be employed to monitor the Work Area for activity associated with the amphibian breeding season. If amphibian migration activity occurs during Work Activities, additional BMPs will be implemented to protect vernal pool species. With the implementation of these protective measures, no adverse impact to the vernal pool would result from the proposed Work Activities.
- d) As a result of Eversource's review of the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Database ("NDDB"), only Work Activities associated with structures 12151, 12150, 12147, 12146, 12143, and 12137 are proposed within a NDDB buffered area and wetland jurisdictional area and/or CTDEEP owned/managed land and therefore would be subject to a NDDB review request. Eversource is currently in consultation with CTDEEP regarding Eversource's proposed work in these areas and will adhere to any state-listed species protection measures recommended by CTDEEP, as necessary. Any recommended measures will be incorporated into the Company's BMPs during construction. With these protection measures, no adverse impacts to state-listed rare species are anticipated.
- e) The Work Activities will not require any tree clearing. However, Eversource may need to undertake minor tree trimming and/or vegetation removal/mowing within the managed ROW corridor to improve access to portions of the Work Areas.

- f) A Phase 1A assessment review of previously recorded cultural resources on file with the Connecticut State Historic Preservation Office conducted by Heritage Consultants, LLC ("Heritage") did not identify any National or State Register of Historic Places properties/districts located within 500 feet of the Work Areas. Based on a review of historic maps, aerial photographs, and available soil profiles, six of the proposed work pad locations were identified to possess a potential for moderate to high archaeological sensitivity. These locations were evaluated in the field with a pedestrian survey by a representative from Heritage and were found to contain moderate to steep slopes, wet soils, or to have been previously disturbed. They were reclassified as no or low sensitivity areas. Therefore, no further cultural investigation is recommended or warranted, and no protective measures are required.
- g) Increased heights of the 28 replacement structures will average approximately 7 feet and none will exceed 10 feet.
- h) Replacement structures would be located within 15 feet of existing structures.
- i) With the exception of the proposed temporary work pad at Structure 12129, which partially traverses a 100-year flood zone associated with Car Brook, there are no 100-year flood zones in the Work Areas. Eversource would utilize its BMPs to minimize any impact to the flood zone by utilizing temporary construction matting for the work pad to ensure that the floodplain hydrology would not be adversely affected. With protective measures and the use of BMPs, no adverse impact to the 100-year flood zone would result from the proposed Work Activities.
- j) No change in noise levels would result from installation of the new structures and the applicable line would continue to comply with the State of Connecticut noise regulations.
- k) Any changes in electric and magnetic field levels outside the ROW would be negligible.

IV. <u>Mitigation:</u>

Temporary environmental effects from construction will be mitigated as follows:

- Erosion and sediment controls ("E&S") will be employed and maintained, as needed, throughout the execution of the Work Activities in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and the BMPs.
- Potential impacts to wetlands and watercourses will be mitigated with the use of temporary construction matting and adherence to the BMPs.
- Vernal pool protective measures will be incorporated into the Eversource's BMPs during construction.
- Potential impacts to the 100-year flood zone associated with Car Brook would be avoided with adherence to BMPs and the use of temporary construction matting.
- Eversource's contractor will perform construction sequencing such that any earth materials are exposed for a minimum of time before they are covered, seeded, or otherwise stabilized to prevent erosion.
- During construction, when necessary, anti-tracking mats would be installed at construction entrances onto public roads to prevent tracking of soil onto local streets.

• Upon completion of the Work Activities, all disturbed/exposed areas would be stabilized and revegetated. After the establishment of permanent ground cover, Eversource's contractor would remove the temporary E&S controls and remove/dispose of any accumulated sediments and debris from areas where such measures were used.

V. <u>Access:</u>

Some new permanent access roads would be constructed to facilitate access to structures within the ROW and existing access roads may be hardened and widened at turning areas to facilitate the safe passage of construction vehicles. Construction matting would be used on temporary access roads in wetlands as well as in agricultural/maintained lawn upland areas. In addition, construction matting, and other protective measures, will be implemented in areas where an underground natural gas pipeline is located. A representative from the gas company will provide consultation to Eversource regarding the pipeline's location and additional protective measures to implement. Temporary matting and any other protective measures will be removed upon completion of the Work Activities and the areas restored, as necessary.

The matting will be removed upon completion of the Work Activities and the areas restored, as necessary.

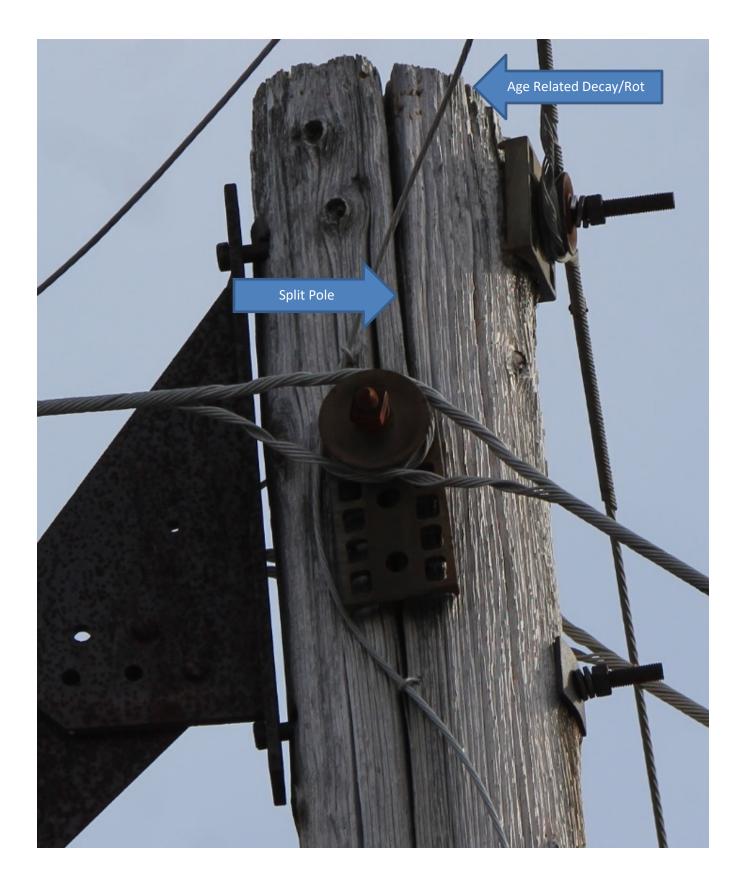
Eversource would access the Work Areas by entering its ROW from existing access points on public roads as follows:

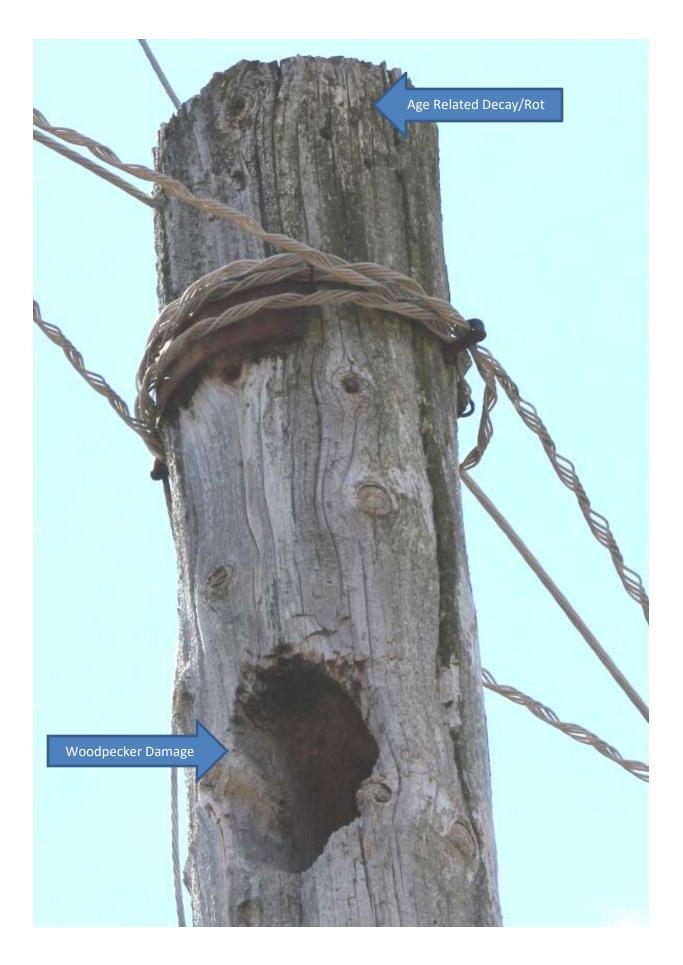
- Wetherell Street for structures 12224, 12220, and 12217
- Bush Hill Road for structures 12216 and 12207
- New London Turnpike for structure 12177
- Chestnut Hill Road for structure 12172
- Coldbrook Road for structures 12167 and 12166
- East Cotton Hill Road for structures 12151, 12150, 12147, 12146, and 12143
- Thompson Hill Road for structure 12137
- Old Marlborough Turnpike for structure 12136
- Penfield Hill Road for structures 12129, 12122, and 12121
- Jobs Pond Road for structures 12117, 12115, 12112, and 12111 (off-ROW access from Portland-Cobalt Road would be used for structures 12111, 12112 and 12115 if rights are obtained)
- Sand Hill Road for structures 12106, 12105, and 12104
- Payne Boulevard for structures 12103 and 12102

By:

Kathleen M. Shanley Manager - Transmission Siting

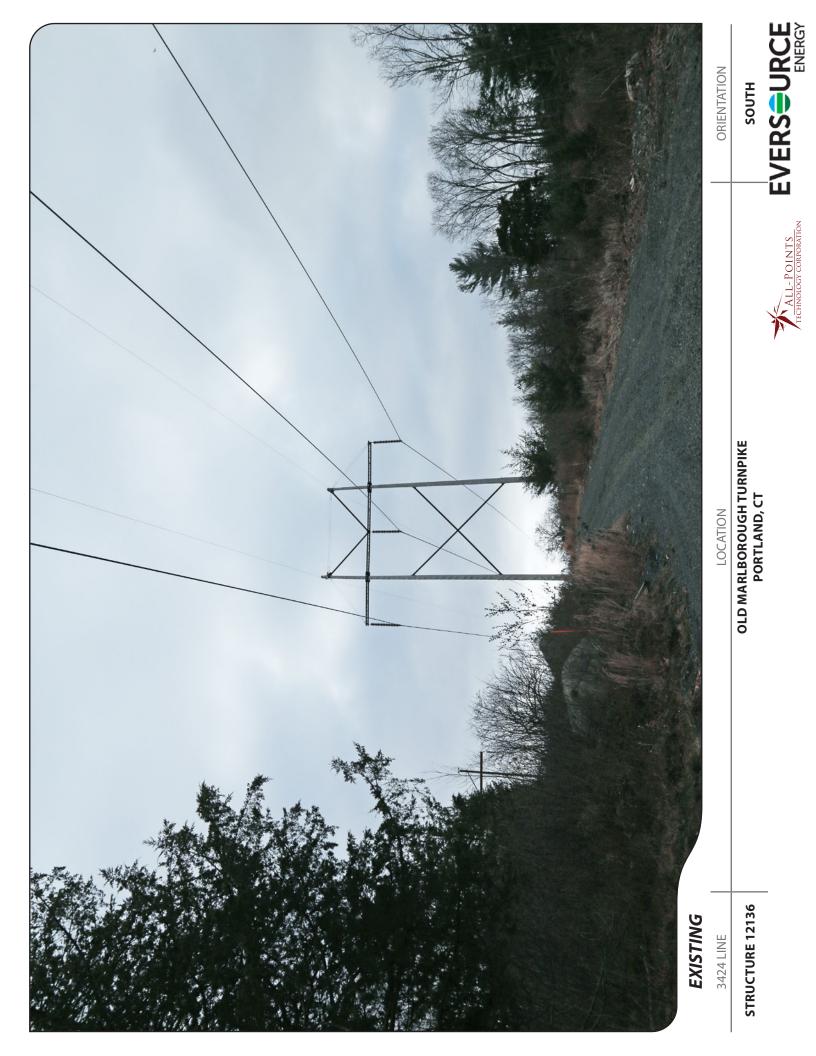
ATTACHMENT B PHOTOGRAPHS AND PHOTO SIMULATION

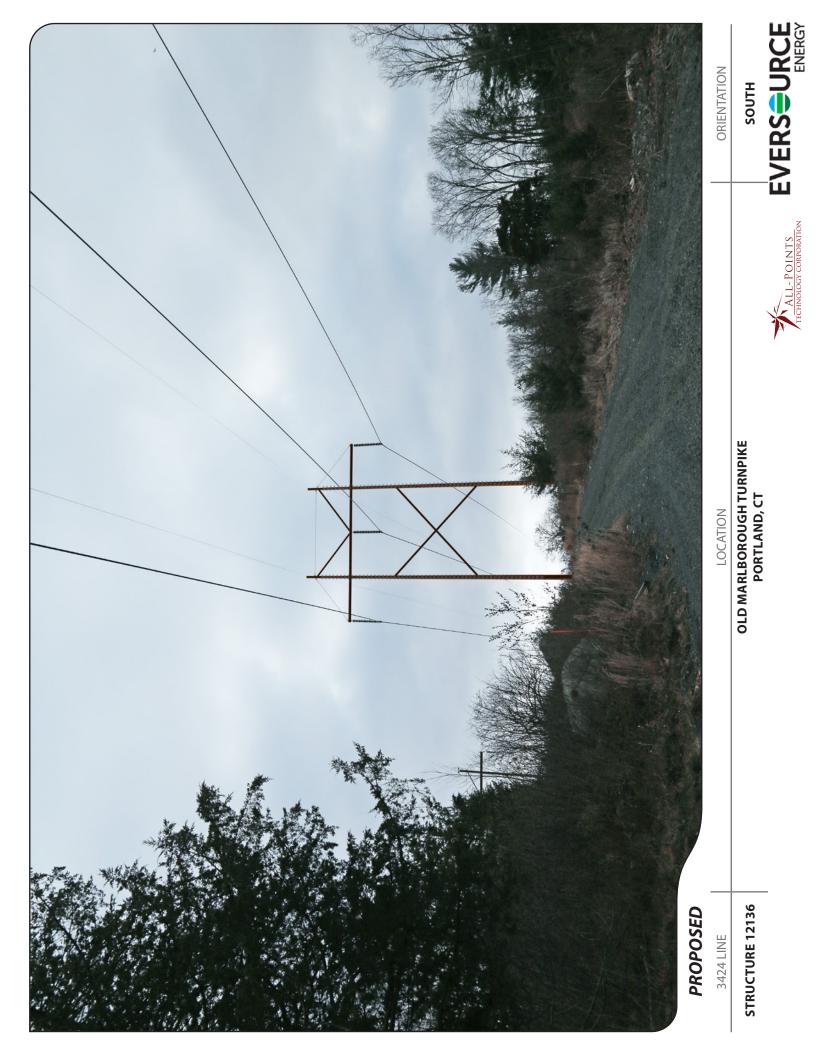










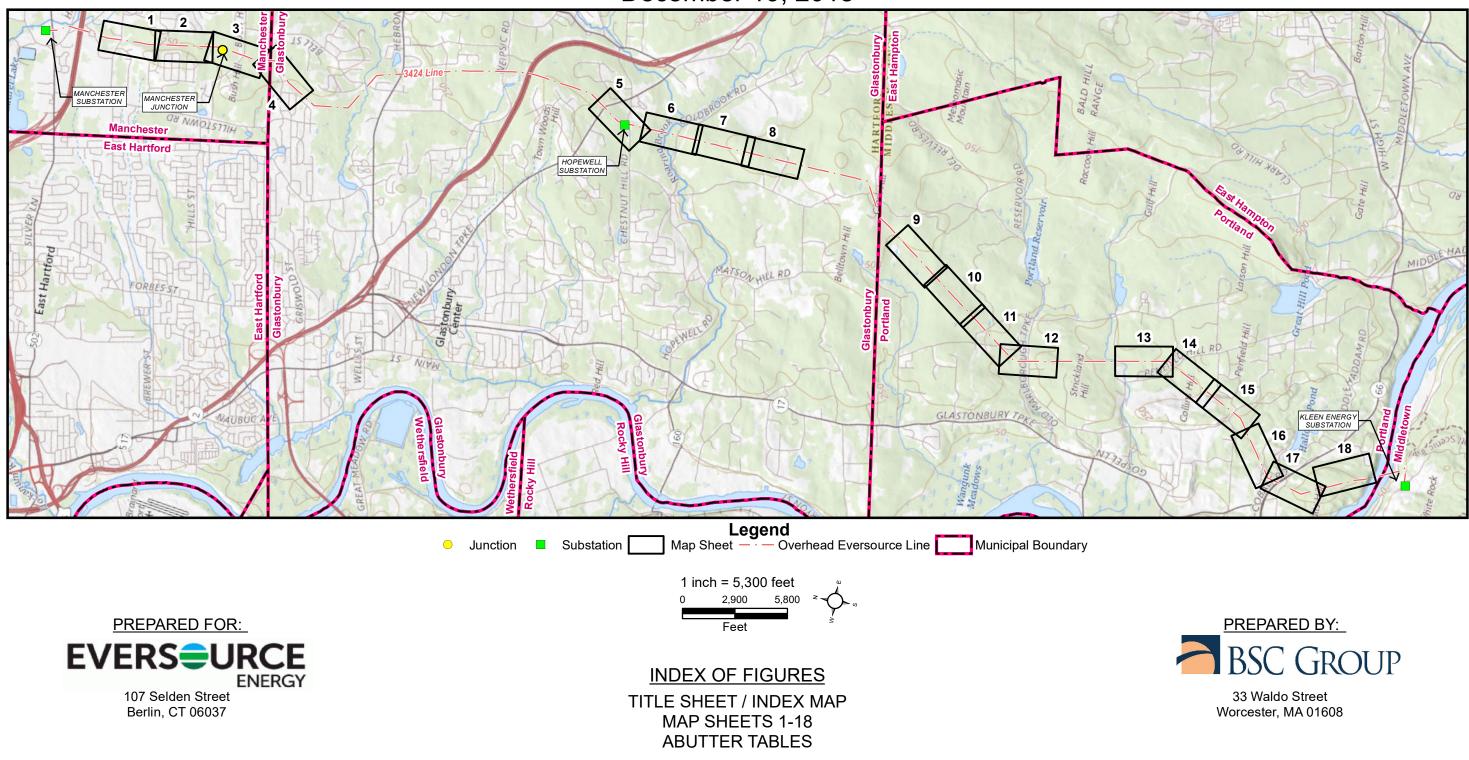


ATTACHMENT C

MAPS

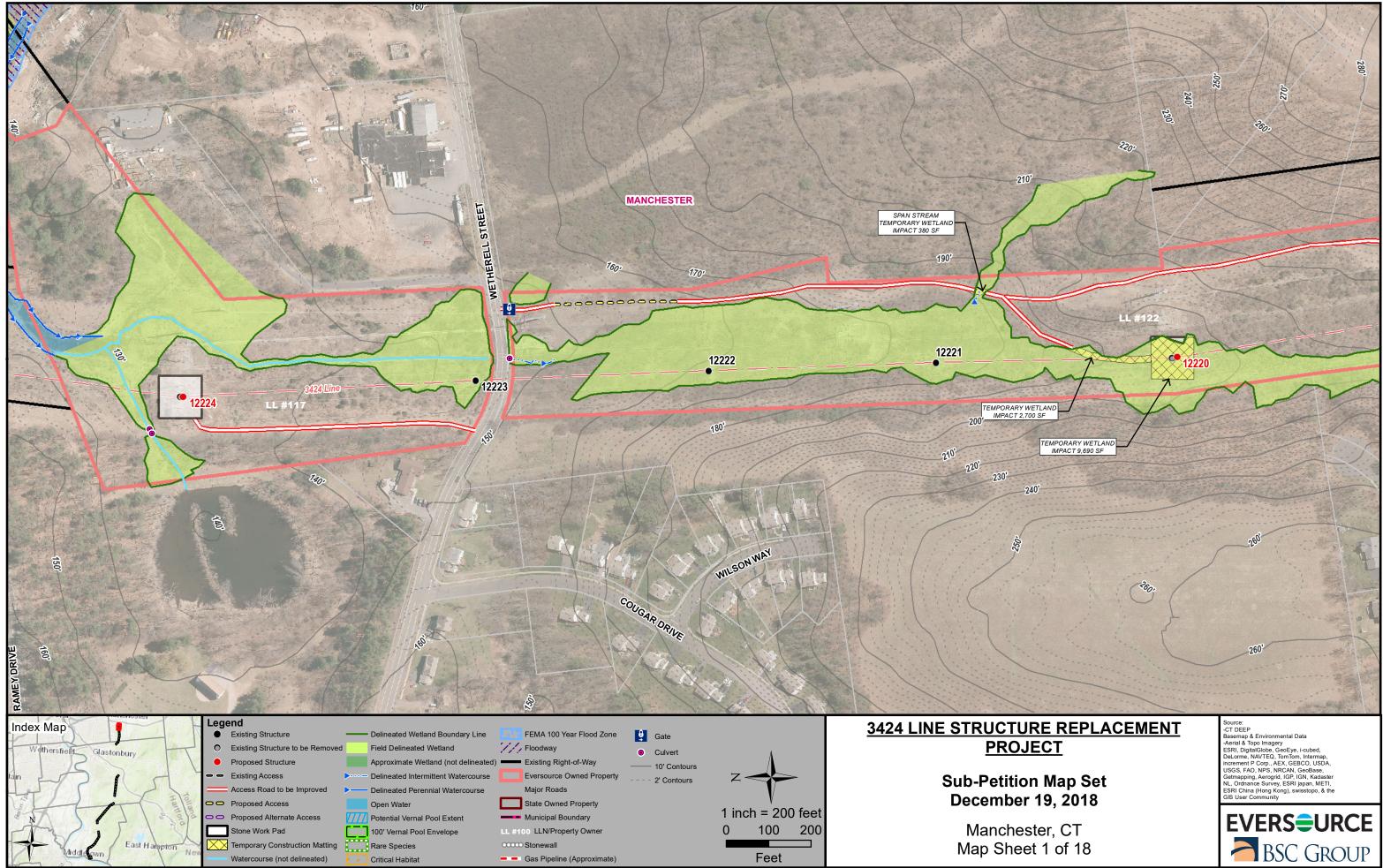
3424 LINE STRUCTURE REPLACEMENT PROJECT

Manchester, Glastonbury, & Portland, CT Sub-Petition Map Set December 19, 2018



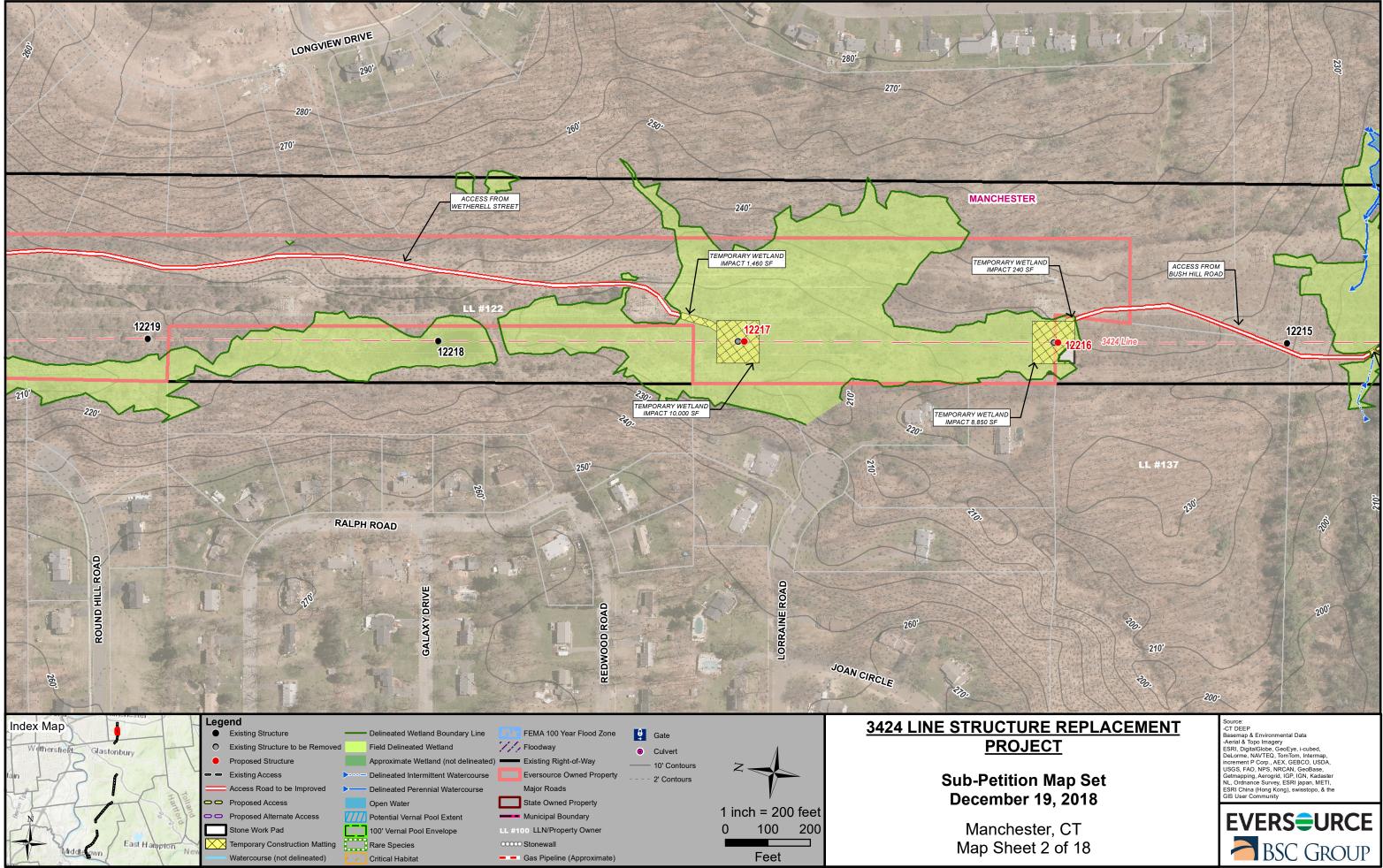
3424 Line Structure Replacement Project Map Sheet 1 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
117	CONNECTICUT LIGHT & POWER CO.	409 WETHERELL STREET	MANCHESTER	СТ	06040
122	CONNECTICUT LIGHT & POWER CO.	410 WETHERELL STREET	MANCHESTER	СТ	06040



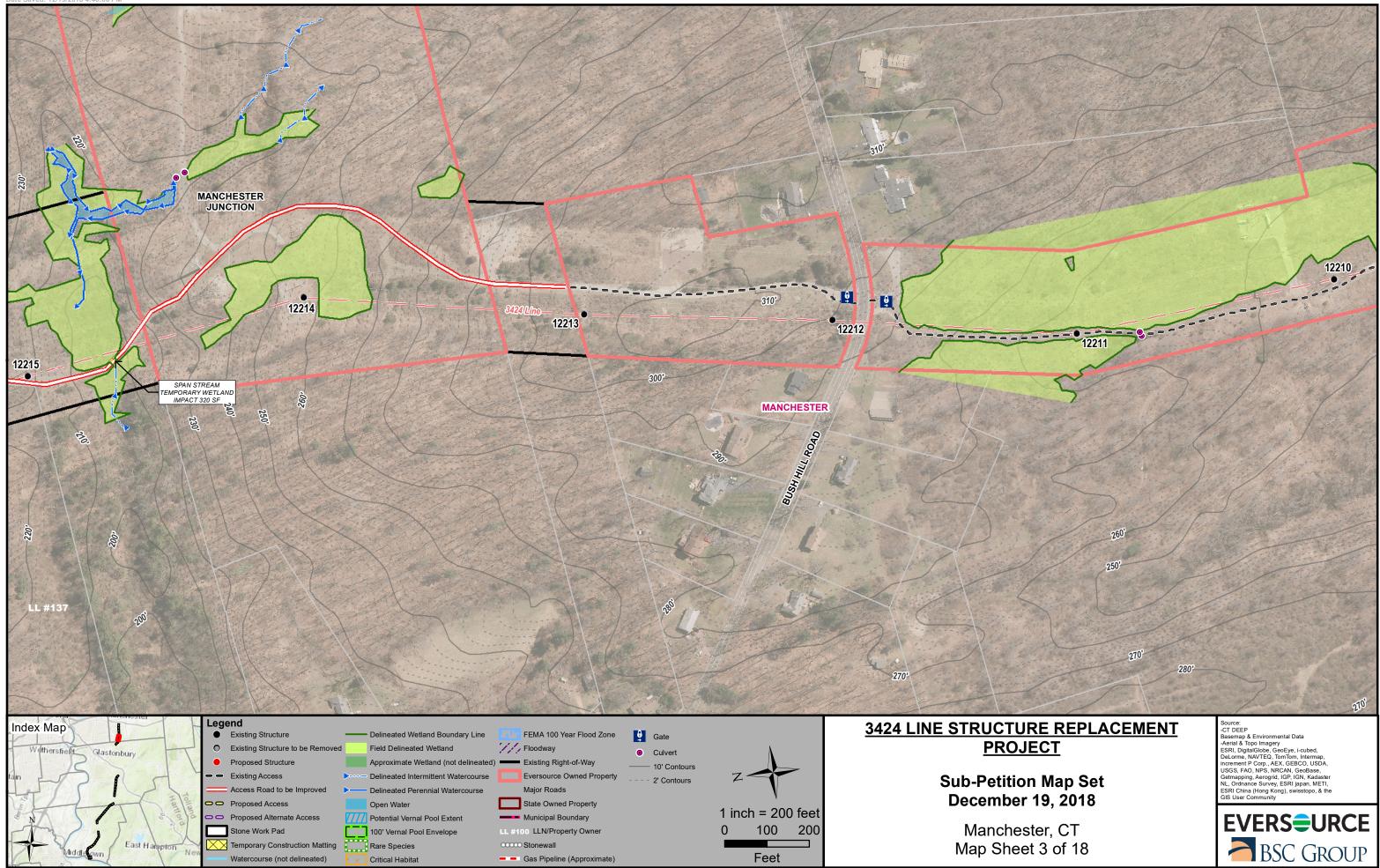
3424 Line Structure Replacement Project Map Sheet 2 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
122	CONNECTICUT LIGHT & POWER CO.	410 WETHERELL STREET	MANCHESTER	СТ	06040
137	ERNEST J. JR. & HEIDI L. MARCOUX	173 BUSH HILL ROAD	MANCHESTER	СТ	06040



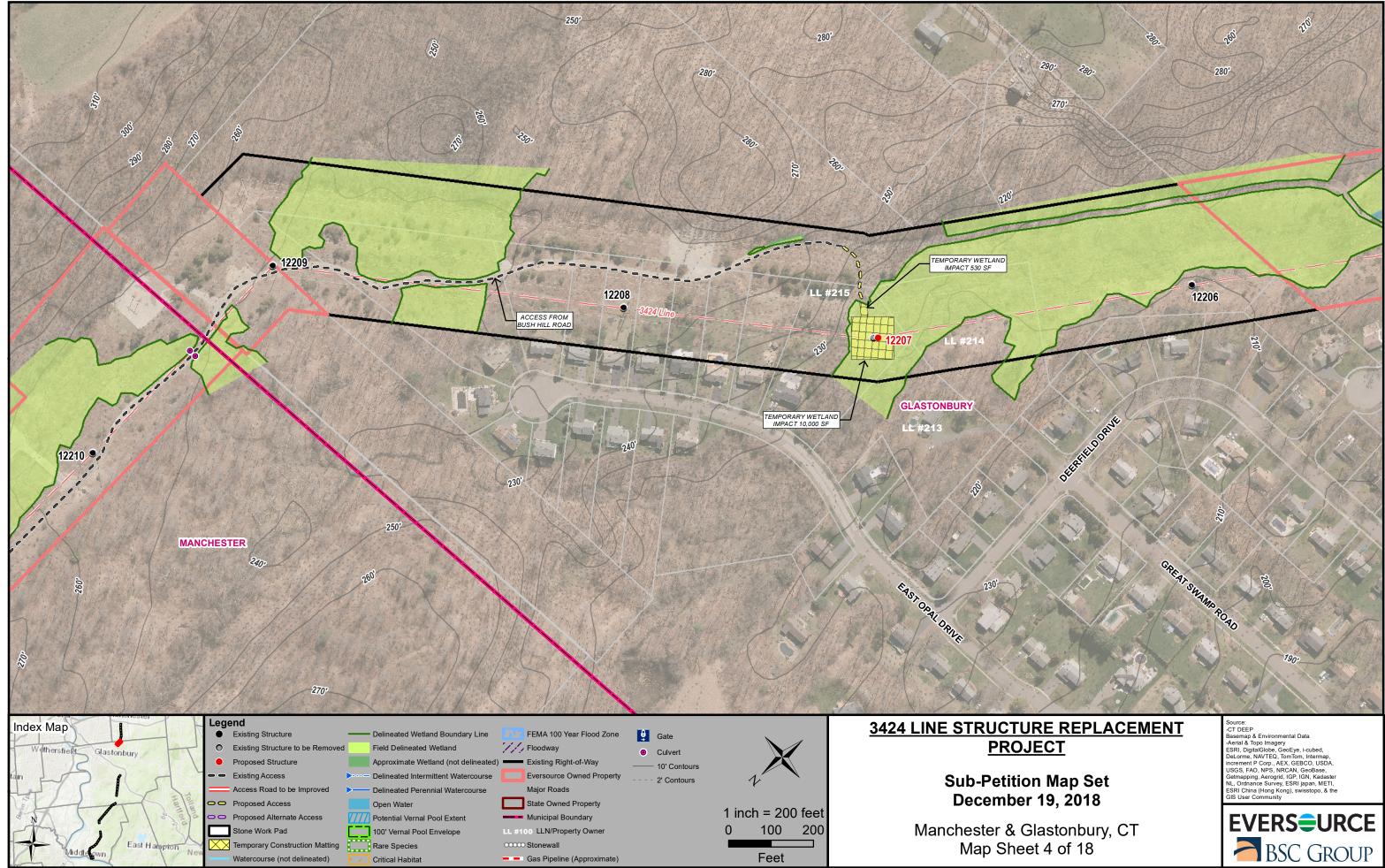
3424 Line Structure Replacement Project Map Sheet 3 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
137	ERNEST J. JR. & HEIDI L. MARCOUX	173 BUSH HILL ROAD	MANCHESTER	СТ	06040



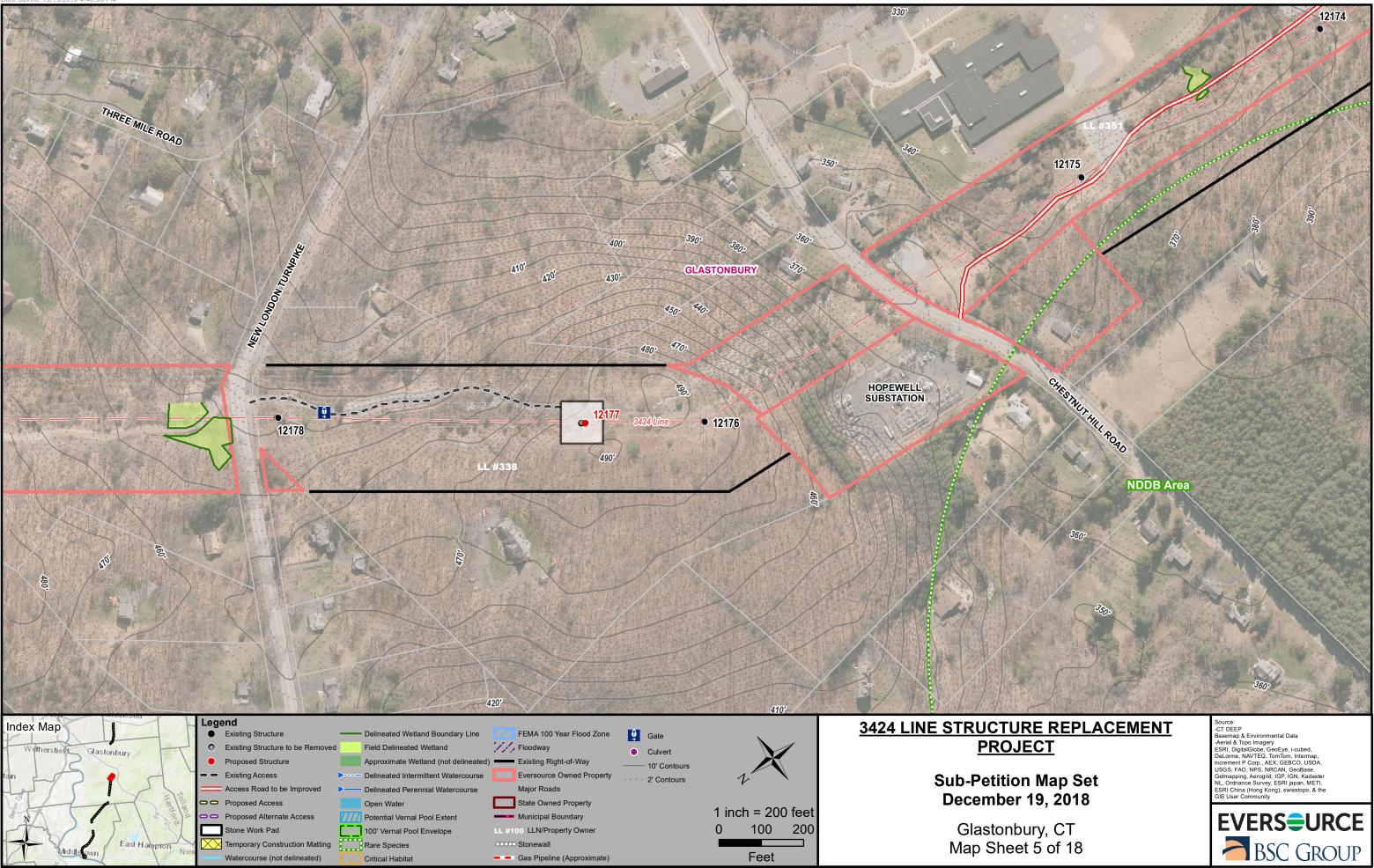
3424 Line Structure Replacement Project Map Sheet 4 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
213	MILLER MATTHEW B. & MAUREEN C.	140 DEERFIELD DR	GLASTONBURY	СТ	06033
214	TOWN OF GLASTONBURY	DEERFIELD DR	GLASTONBURY	СТ	06033
215	KRISTIN & RISHI KAPUR	262 E OPAL DR	GLASTONBURY	СТ	06033



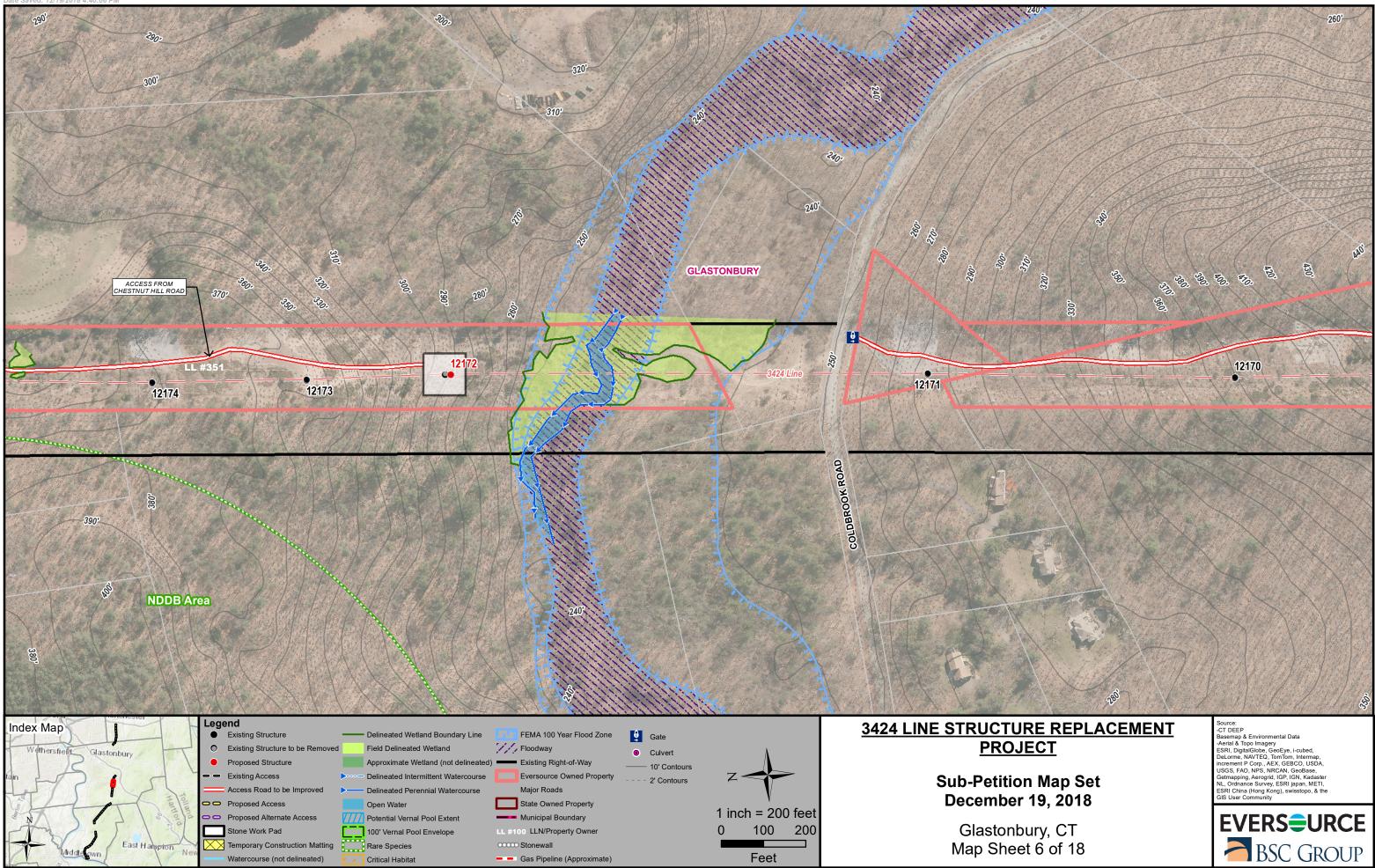
3424 Line Structure Replacement Project Map Sheet 5 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
338	LANATA STEVEN J+STACY L	2042 NEW LONDON TPKE	GLASTONBURY	СТ	06033
351	CONN LIGHT & POWER COMPANY	1024 CHESTNUT HILL RD	GLASTONBURY	СТ	06033



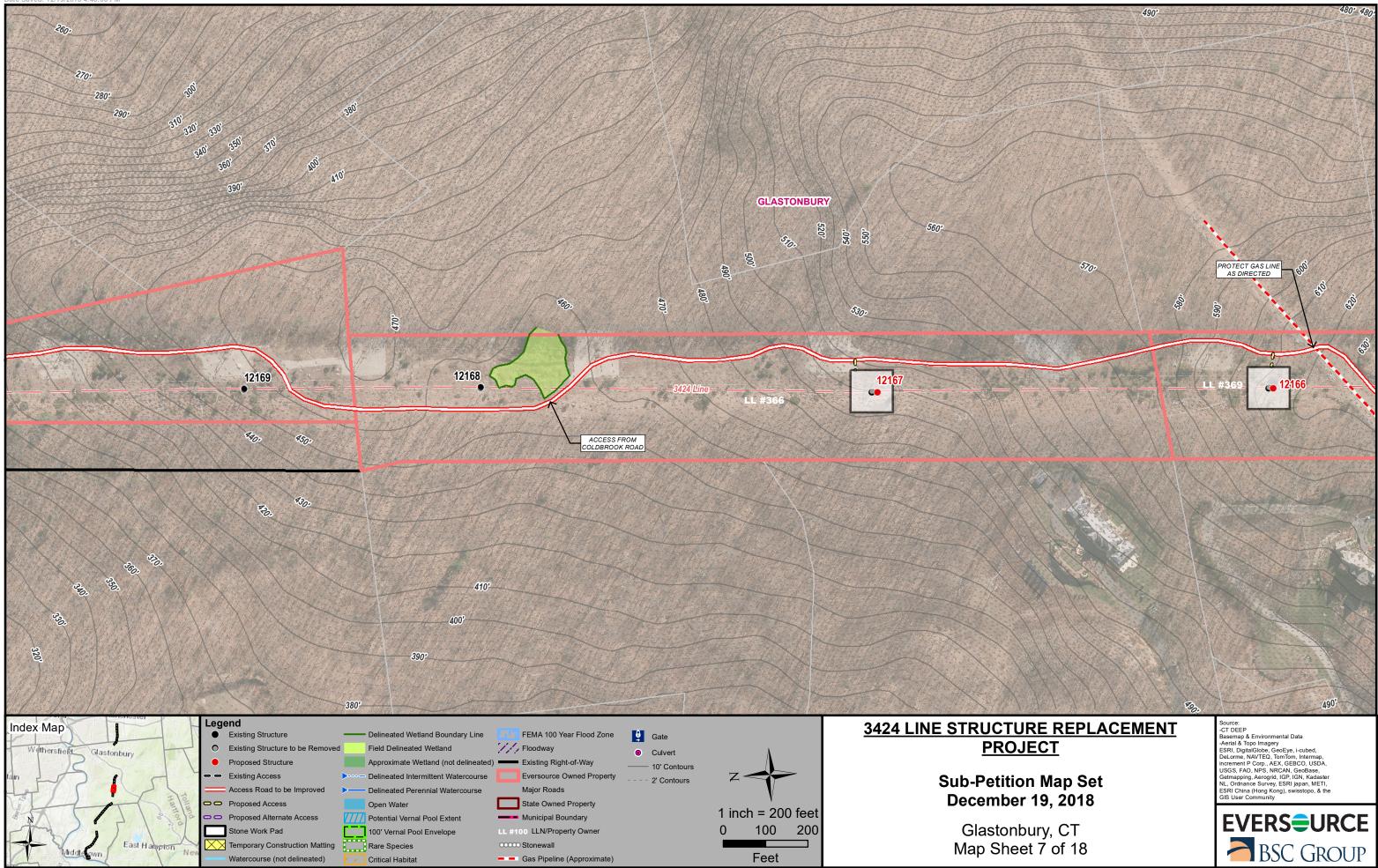
3424 Line Structure Replacement Project Map Sheet 6 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
351	CONN LIGHT & POWER COMPANY	1024 CHESTNUT HILL RD	GLASTONBURY	СТ	06033



3424 Line Structure Replacement Project Map Sheet 7 Abutters List

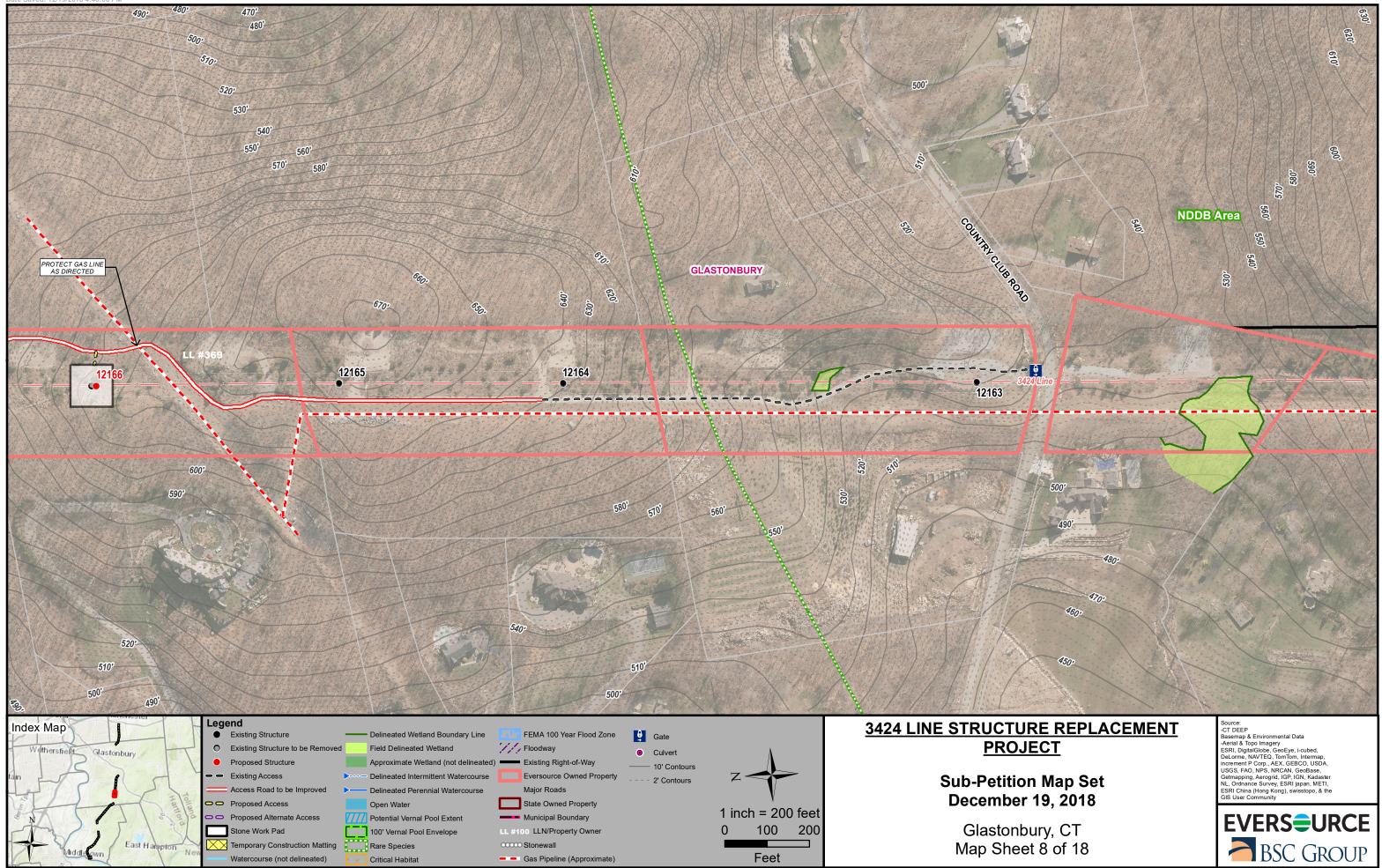
Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
366	CONN LIGHT & POWER COMPANY	WOODLAND ST	GLASTONBURY	СТ	06033
369	CONN LIGHT & POWER COMPANY	WOODLAND ST	GLASTONBURY	СТ	06033



3424 Line Structure Replacement Project Map Sheet 8 Abutters List

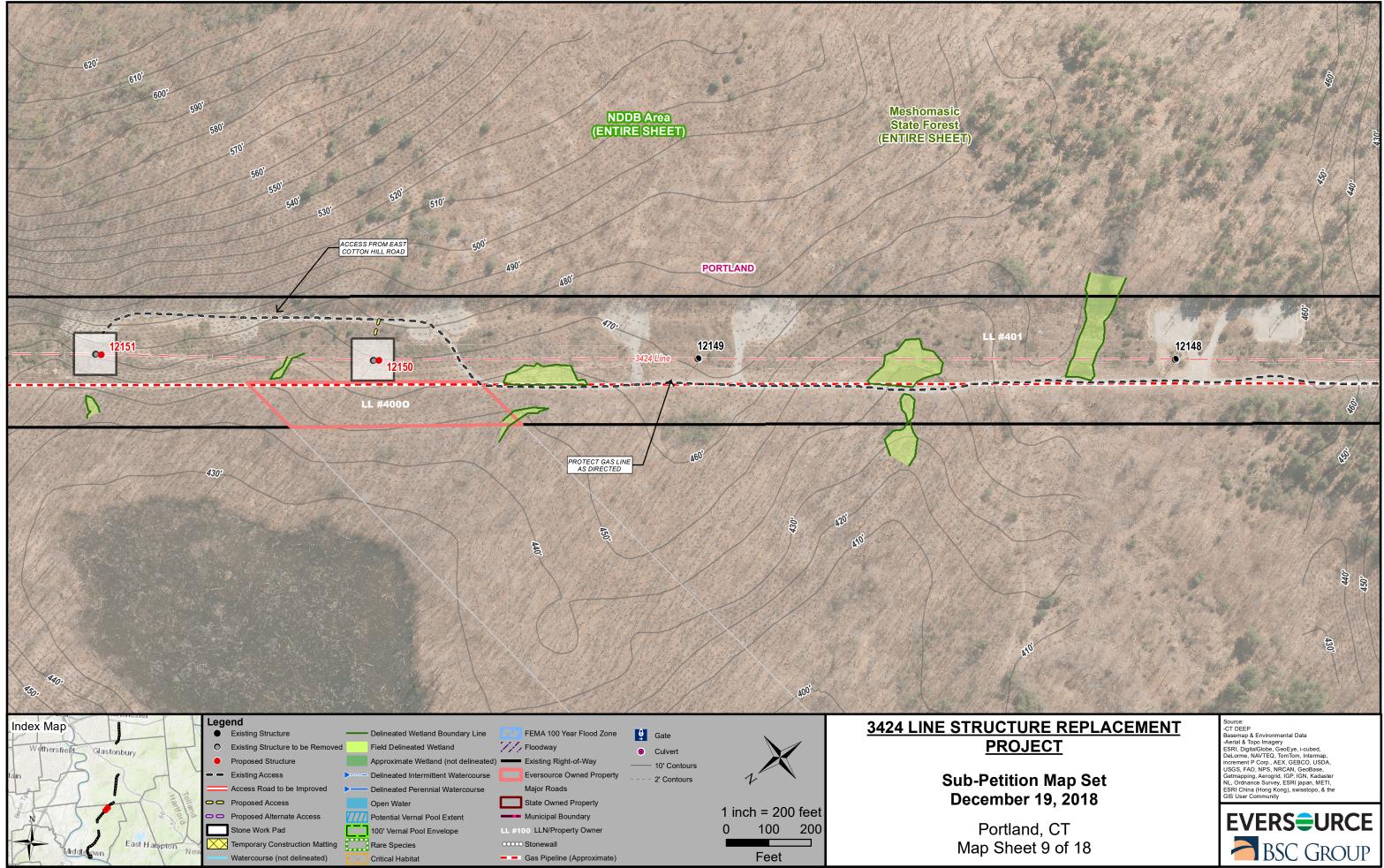
Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
369	CONN LIGHT & POWER COMPANY	WOODLAND ST	GLASTONBURY	СТ	06033

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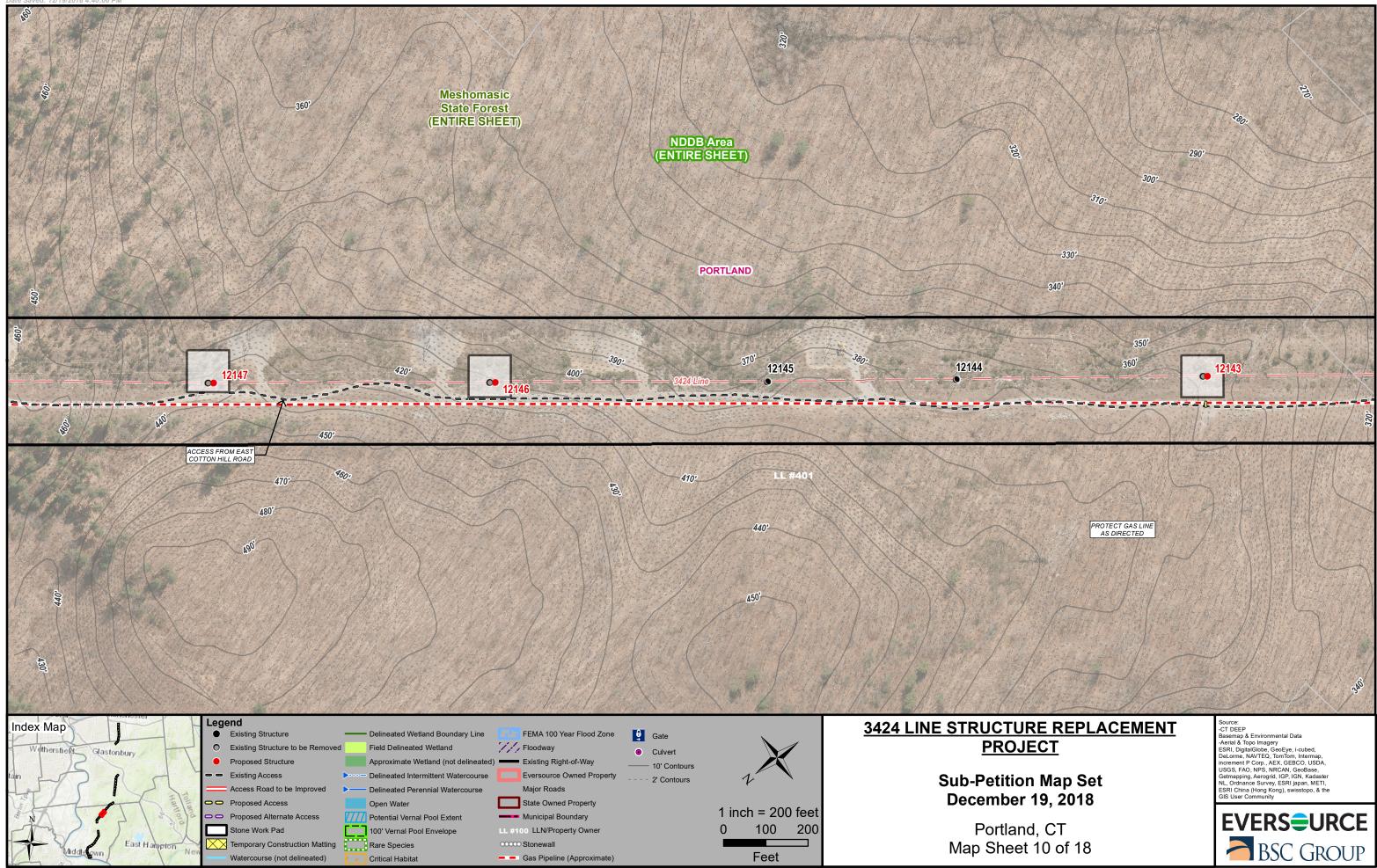
3424 Line Structure Replacement Project Map Sheet 9 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
4000	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	ISINGLASS HILL RD	PORTLAND	СТ	06480
401	CONNECTICUT STATE OF	EAST COTTON HILL RD	PORTLAND	СТ	06480



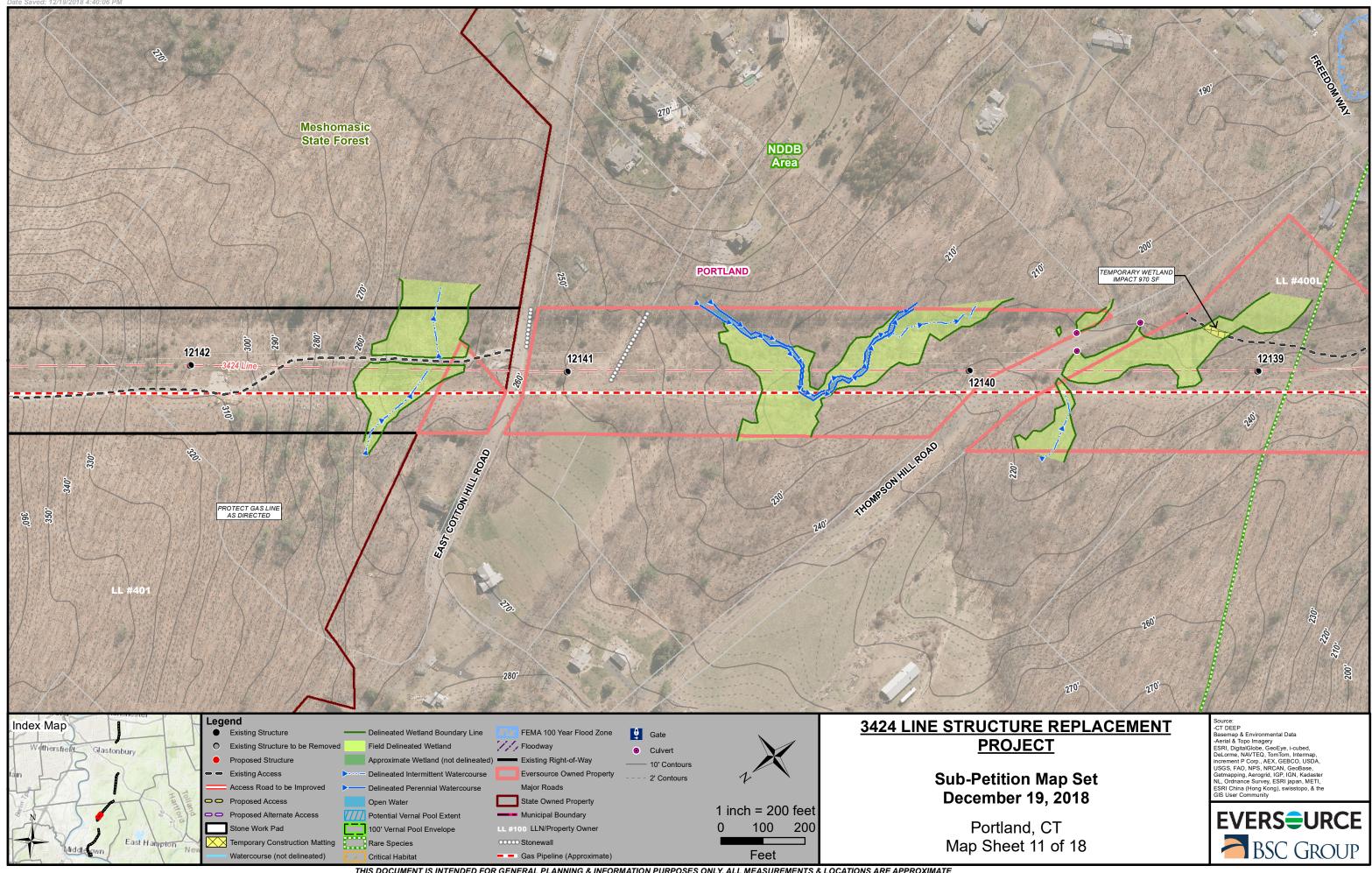
3424 Line Structure Replacement Project Map Sheet 10 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
401	CONNECTICUT STATE OF	EAST COTTON HILL RD	PORTLAND	СТ	06480



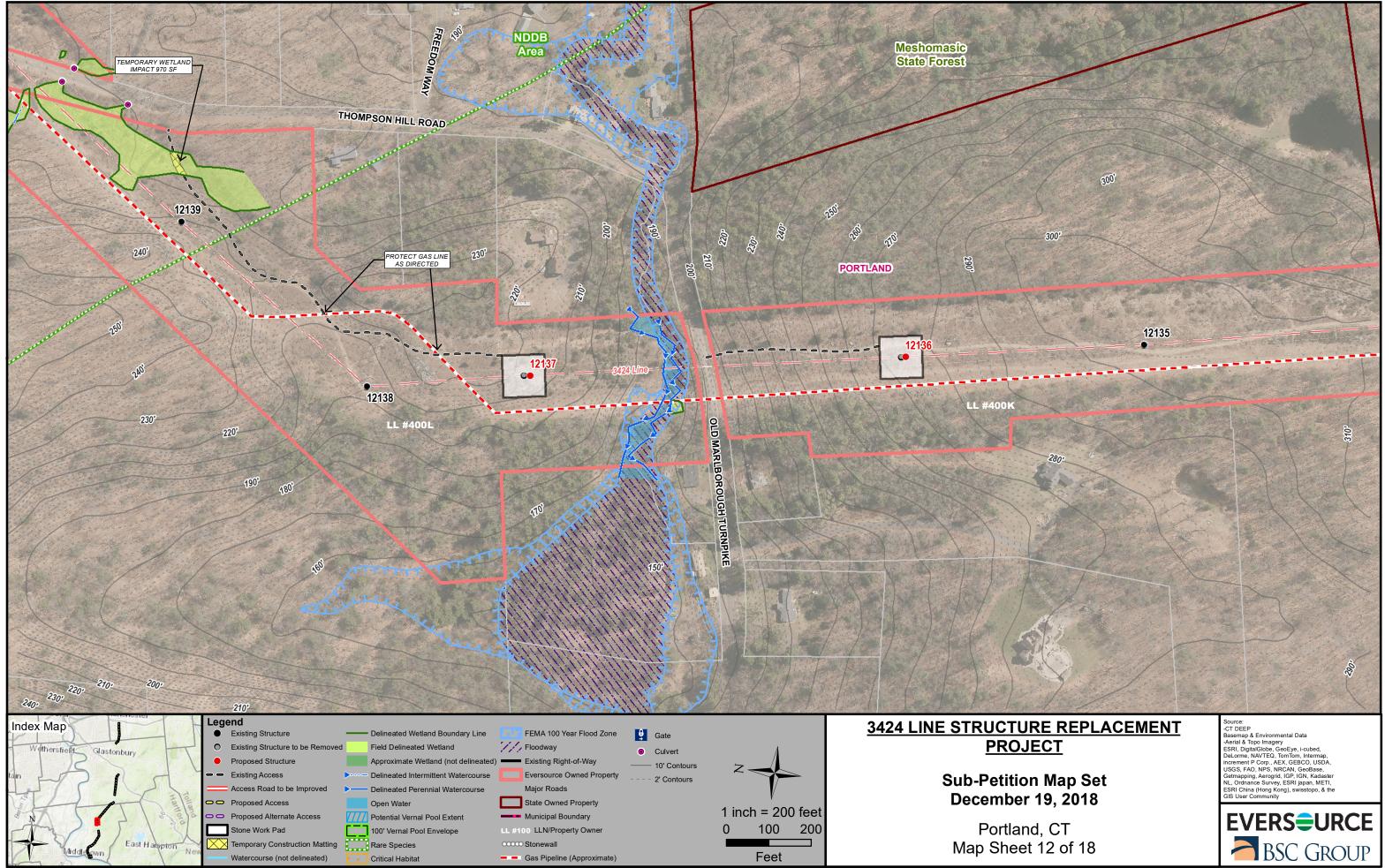
3424 Line Structure Replacement Project Map Sheet 11 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
400L	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	THOMPSON HILL RD	PORTLAND	СТ	06480
401	CONNECTICUT STATE OF	EAST COTTON HILL RD	PORTLAND	СТ	06480



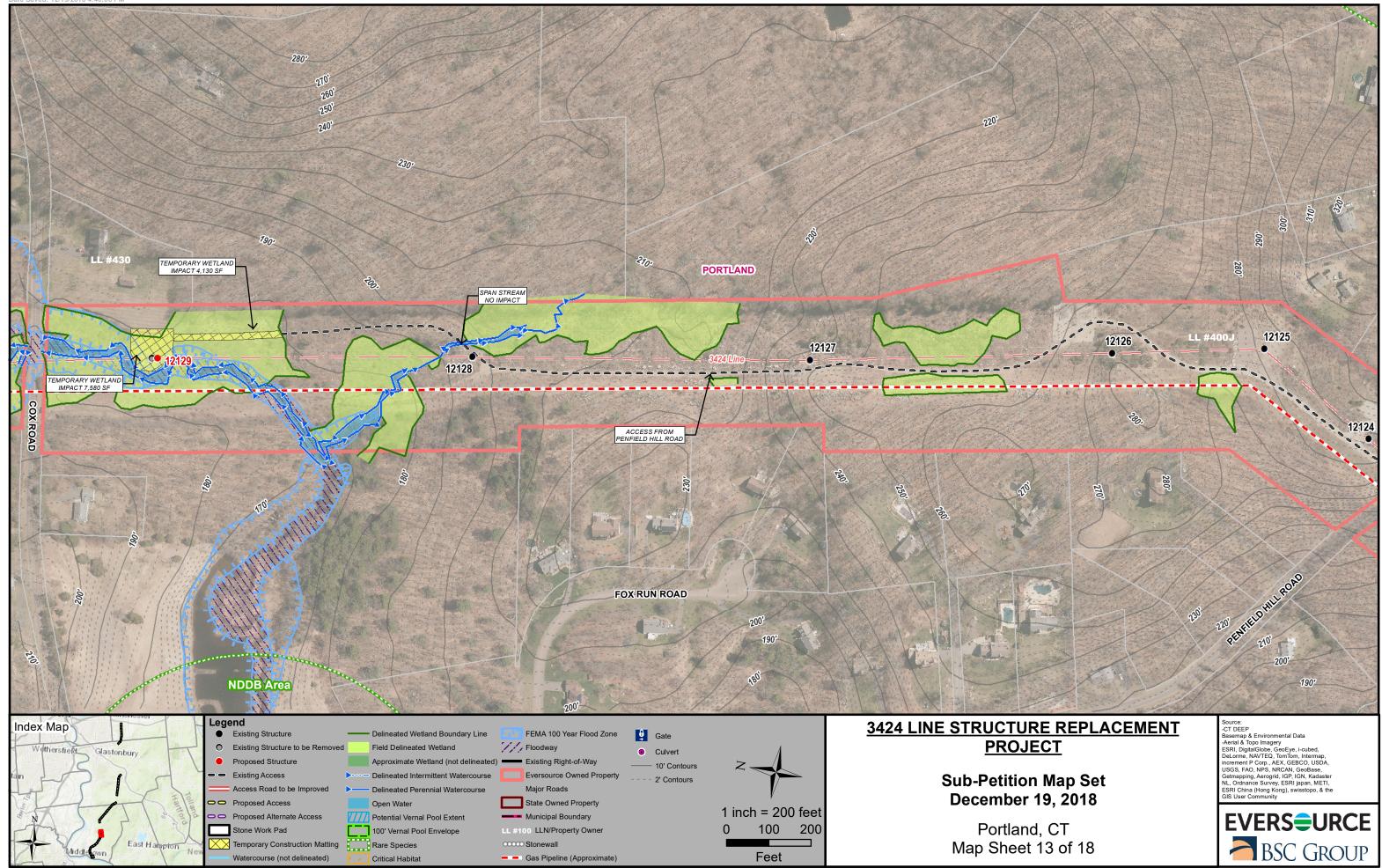
3424 Line Structure Replacement Project Map Sheet 12 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
400K	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	COX RD	PORTLAND	СТ	06480
400L	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	THOMPSON HILL RD	PORTLAND	СТ	06480



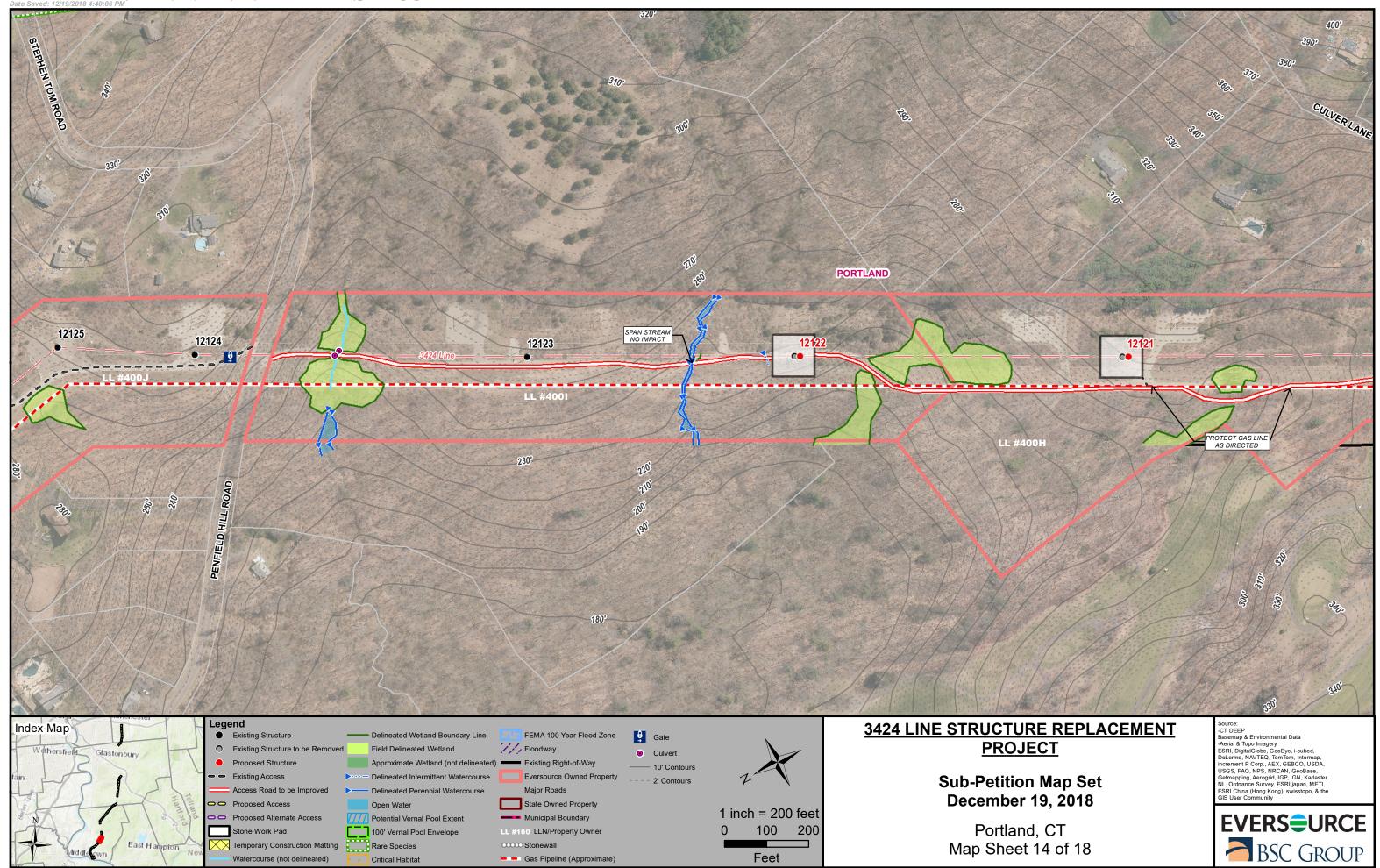
3424 Line Structure Replacement Project Map Sheet 13 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
400J	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	COX RD	PORTLAND	СТ	06480
430	DARNA RYAN R & WRIGHT NICOLE L	271 COX RD	PORTLAND	СТ	06480



3424 Line Structure Replacement Project Map Sheet 14 Abutters List

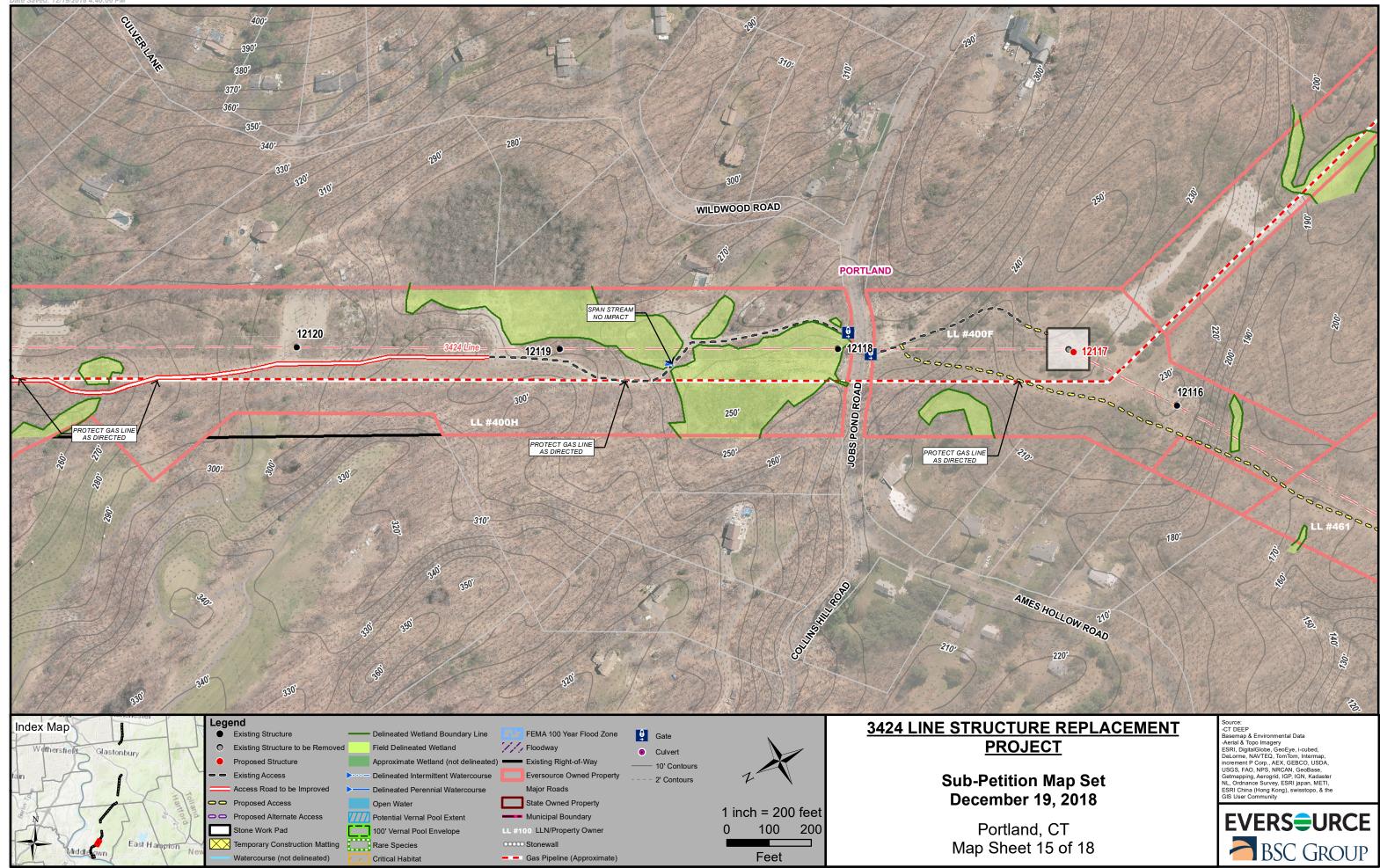
Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
400H	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	JOBS POND RD	PORTLAND	СТ	06480
4001	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	450 PENFIELD HILL RD	PORTLAND	СТ	06480
400J	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	COX RD	PORTLAND	СТ	06480



3424 Line Structure Replacement Project Map Sheet 15 Abutters List

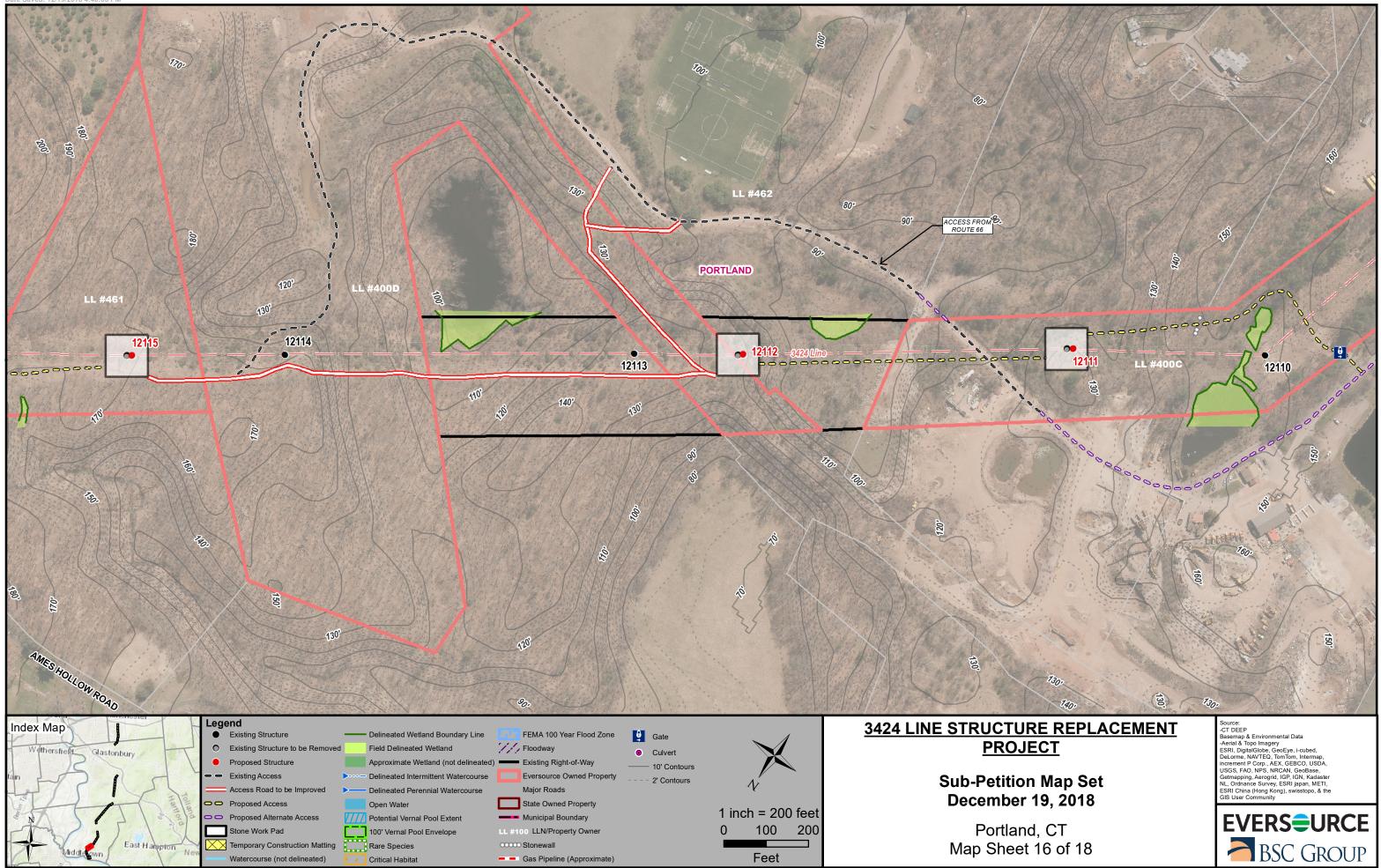
Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
400F	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	JOBS POND RD	PORTLAND	СТ	06480
400H	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	JOBS POND RD	PORTLAND	СТ	06480
461	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	AMES HOLLOW RD	PORTLAND	СТ	06480

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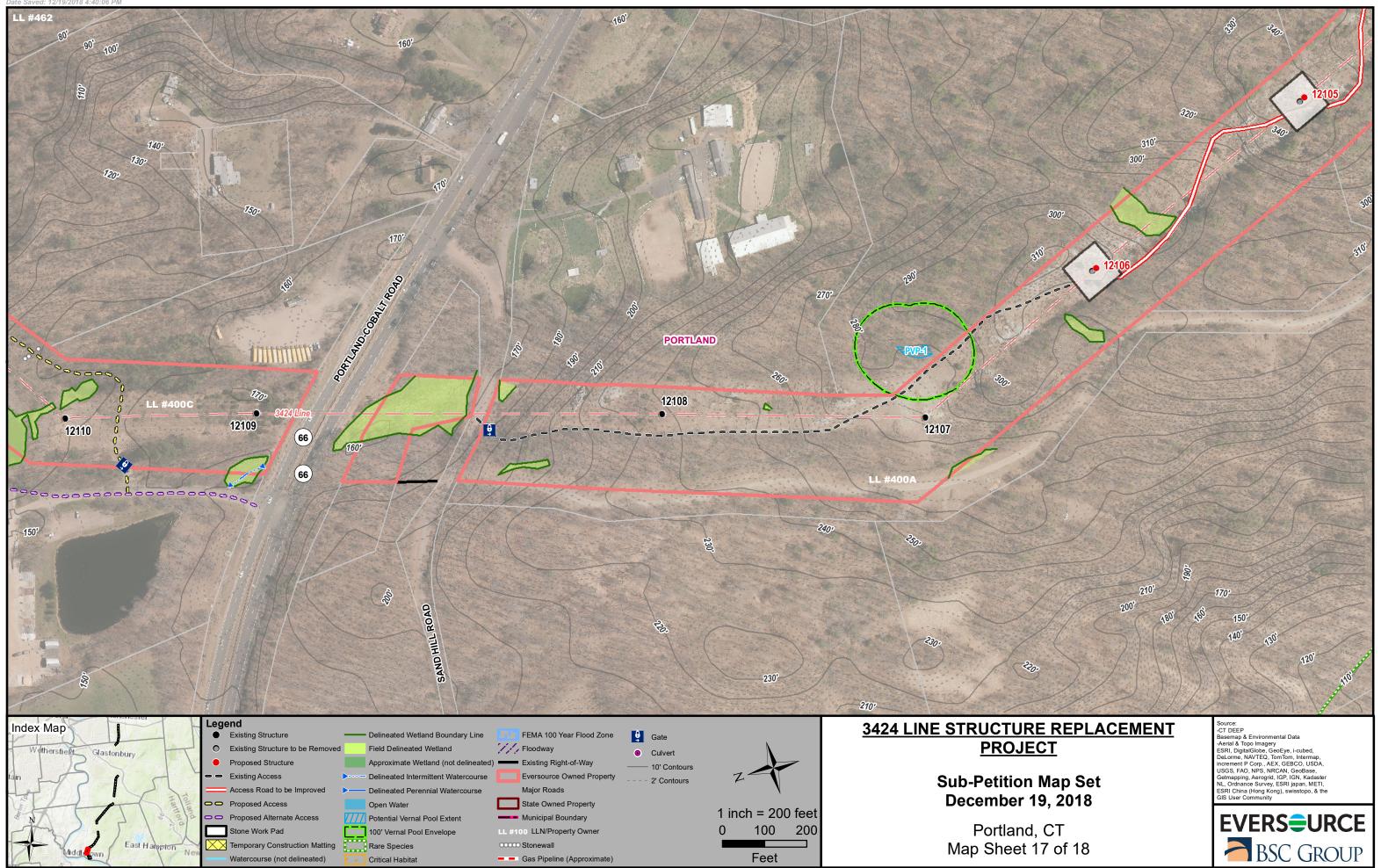
3424 Line Structure Replacement Project Map Sheet 16 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
400C	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	PORTLAND COBALT RD	PORTLAND	СТ	06480
400D	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	PORTLAND COBALT RD	PORTLAND	СТ	06480
461	HARPER JOHN F JR & HARPER JUDITH H	157 AMES HOLLOW RD	PORTLAND	СТ	06480
462	Y M C A OF NORTHERN MIDDLESEX COUNTY CONNECTICUT	94 CAMP INGERSOLL RD	PORTLAND	СТ	06480



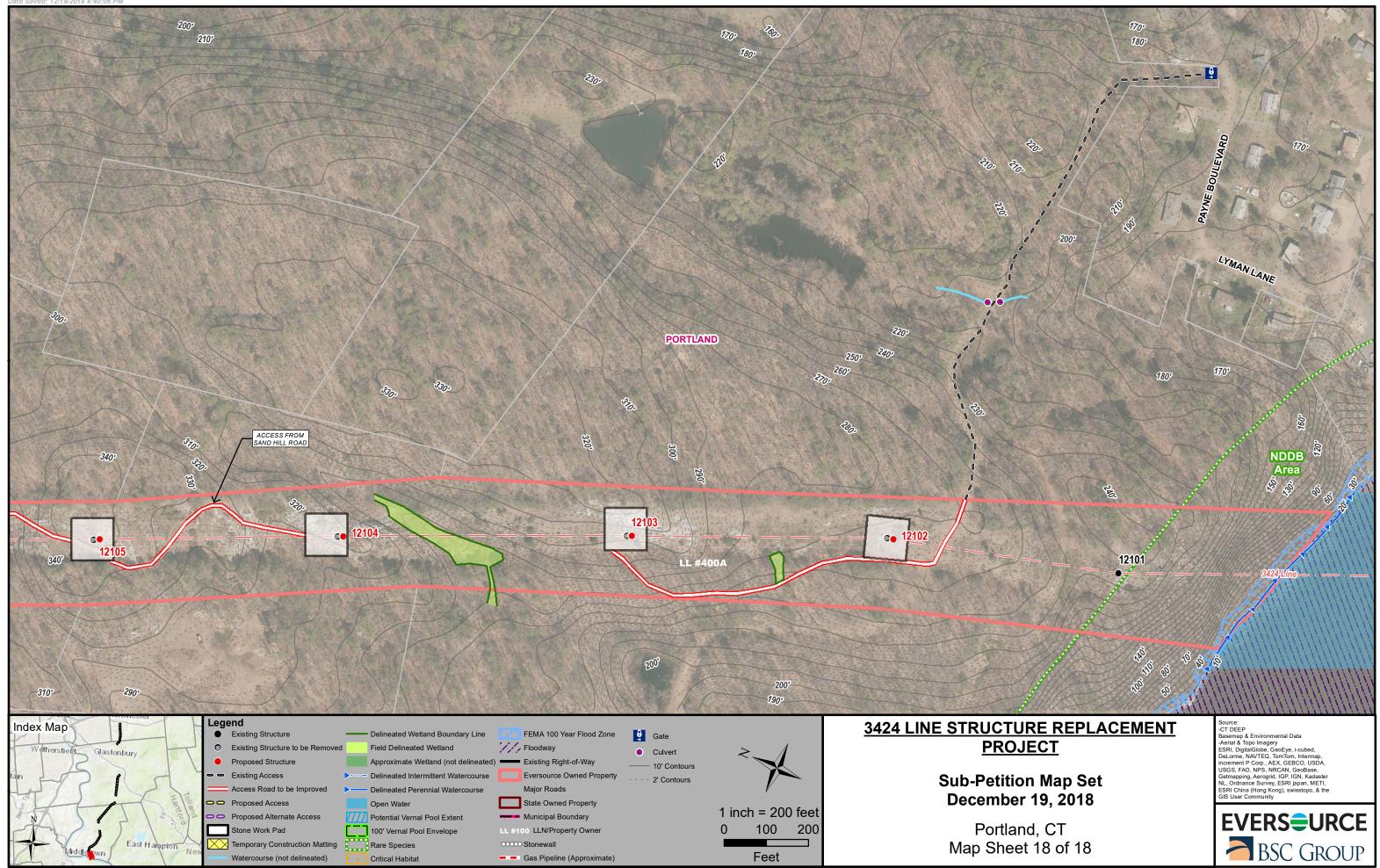
3424 Line Structure Replacement Project Map Sheet 17 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
400A	CONNECTICUT LIGHT & POWER CO N E UTILITIES TAX DEPT	SAND HILL RD	PORTLAND	СТ	06480
400C	CONNECTICUT LIGHT & POWER CO NU TAX DEPT	PORTLAND COBALT RD	PORTLAND	СТ	06480
462	Y M C A OF NORTHERN MIDDLESEX COUNTY CONNECTICUT	94 CAMP INGERSOLL RD	PORTLAND	СТ	06480

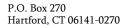


3424 Line Structure Replacement Project Map Sheet 18 Abutters List

Line List Number	Owner Name	Parcel Address	Parcel Town	Parcel State	Parcel Zip Code
400A	CONNECTICUT LIGHT & POWER CO N E UTILITIES TAX DEPT	SAND HILL RD	PORTLAND	СТ	06480



ATTACHMENT D ABUTTER LETTER AND PROOF OF NOTICE





December 20, 2018

Dear Neighbor,

As part of our everyday effort to deliver reliable energy to our customers and communities, we're planning work in your area to replace electric transmission structures. Maintaining the infrastructure that supports the electric lines is one of the ways Eversource ensures the safe, secure transmission of electricity throughout the region.

You're receiving this letter and a copy of the Sub-Petition because the proposed work would be taking place within the right of way on or near your property in Manchester, Glastonbury, and Portland. A Sub-Petition is a document with detailed information about the proposed upgrades. Eversource is submitting Sub-Petition No. 1293-MGP-02 this week to the Connecticut Siting Council (CSC) for its review and approval.

About This Electric System Improvement: What You Can Expect

First, we want you to know that this work will not interrupt electric service to your property.

As part of this project, we are proposing to replace, and slightly increase the height of the existing wood structures. The new, weathering steel structures will increase in height by 9 feet or less, depending on the location.

We are proposing to do the work within the existing rights of way on or near your property. The new structures will provide continued reliability of the transmission system.

Connecticut Siting Council Process and Timing

With this letter, Eversource is providing notice to you of its proposed work activity, as described in the enclosed Sub-Petition. If you have any comments or concerns about the project, please send them to the CSC at the following address within 30 days of the date of this letter: Melanie Bachman, Acting Executive Director; Connecticut Siting Council; Ten Franklin Square; New Britain, CT 06051. You may also email them to the siting.council@ct.gov. If you choose to send comments to the CSC, please reference Sub-Petition No. 1293-MGP-02 in your correspondence.

Our Commitment to You

We are committed to be a good neighbor and doing our work with respect for you and your property. If you would like more information about this work please call 1-800-793-2202, or send an email to <u>TransmissionInfo@eversource.com</u>. Thank you.

Sincerely,

Brian Ragozzine

Brian Ragozzine Eversource Project Manager – Transmission Projects

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT

COUNTY OF HARTFORD

ss. Hartford

In accordance with Condition 2 of the Connecticut Siting Council's ("Council") March 31, 2017 declaratory ruling on Petition No. 1293, I hereby certify that on December 20, 2018, I caused notice of the proposed maintenance activities including a copy of the Sub-Petition No.1293-MGP-02 of The Connecticut Light and Power Company dba Eversource Energy ("Eversource") to be served on the municipalities listed below and 8 abutters. The notice of the proposed maintenance activities states that comments or concerns regarding the maintenance activities described in the Sub-Petition should be submitted to the Council within 30 days of the date of such notice.

Municipal Officials:

Town of Manchester Scott Shanley, General Manager Manchester Town Hall 41 Center Street Manchester, CT 06040

Town of Portland Susan Bransfield, First Selectwoman PO Box 71 Portland, CT 06480

Town of Glastonbury Richard J. Johnson, Town Manager PO Box 6523 Glastonbury, 06033

On this the 20th day of December, 2018, before me, the undersigned representative, personally appeared, James L. Smith, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notary Public My Commission expires: 7/3

LISA J. BUSH **NOTARY PUBLIC** MY COMMISSION EXPIRES JULY 31, 2023

James L. Smith **Project Siting Specialist**