

Monitoring Well Installation
128 Moxley Road
Montville, Connecticut

Montville Inland Wetlands and Watercourses Application

The Connecticut Light and
Power Company dba Eversource
Energy Service Company

December 2022

APPLICANT INSTRUCTIONS: All applicants must complete this application form. The Commission will notify the applicant of any additional information that may be required and will schedule a Public Hearing if necessary. In addition to the information required, the applicant may submit other supporting facts or documents which may assist the Commission in its evaluation of this proposal. **PLEASE SUBMIT FOURTEEN (14) COPIES OF THE APPLICATION AND FOURTEEN (14) COPIES OF ANY OTHER DOCUMENTS AT LEAST FIVE BUSINESS DAYS PRIOR TO THE MEETING.**

I. Applicant Information

Name The Connecticut Light and Power Company dba Eversource Energy Service Company
Address 107 Selden Street, Berlin, CT 06037
Tel # 860-665-6915 Cell # 401-787-0905
Fax # _____ Email benjamin.caswell@eversource.com

Interest in Property Owner Option Holder Developer Harvester Other
 Attach a Written Consent to the proposed activity from the owner if applicant is not the owner Required Not Required

II. Owner Information

The Connecticut Light and Power Company
Name dba Eversource Energy Service Company Address 107 Selden Street, Berlin, CT 06037
Tel # 860-665-6915 Cell # 401-787-0905
Fax # _____ Email benjamin.caswell@eversource.com

III. Engineer Information

Contact Richard Gille, LEP, Project Manager
Firm Tighe & Bond Address 213 Court Street, Suite 1100, Middletown, CT 06457
Tel # 860-704-4760 Cell # 860-343-3509
Fax # _____ Email RGille@TigheBond.com

IV. Attorney Information

Contact _____
Firm N/A Address _____
Tel # _____ Cell # _____
Fax # _____ Email _____

V. Property Information

Address of Proposed Activity 128 Moxley Road, Uncasville, CT 06382
Assessor's Map and Lot Number 010-008-000
Land Records /Deed Volume: 0493 Page: 0390 Acreage of Property 14.34
Zoning R40

Provide a List of the Names and Mailing Addresses of Adjacent Property Owners (Attach Sheet)

Abutter information is provided in Attachment D

VI. Wetlands and Watercourse Information

Total Acreage of Wetlands on the site Approximately 7.8 acres

Wetland Disturbance Area 0 sf permanent, 1000 sf temporary sq ft

Upland Review Disturbance Area 30 sq ft

Have the Wetlands Been Flagged Yes No Year 2019, 2022

Name of Soil Scientist Richard Canavan, PhD (2019); Raina Volovski, PWS, CPSS (2022)

Linear Feet of Watercourse Disturbance 0 ft

Creation of New Wetlands 0 sq ft

VII. Project Description

Subdivision Review No Regulated Activity Permit Modification

Regulated Activity Permitted Use as of Right Permit Renewal

Activity will involve (Check all that apply)

Alteration Construction Pollution Stormwater Discharge

Deposition of Material _____ cubic yards

Removal of Material 1 cubic yards

See attached checklist of items that are to be included on Plan and supplemental data.

A) Attach a Detailed Plan of the Proposal and indicate Plan Title and Date.

Hunts Brook Property Site Survey, Exploration Locations, and Proposed Sampling Plan, January 2022

B) Provide Brief Description of the Proposed Project on separate piece of paper. Instructions attached.

C) List Titles and dates of all documentation which will be included and submitted with this application and attach to application. Documents should include, but are not limited to; Project Proposal, Soil Scientist Reports, and Drainage Calculations.

VIII. Other Information

1. Does the application involve an activity in a regulated area that is within 500 ft of another municipality?

Yes No

- If YES, then a copy of the application and all material is to be submitted to said Town and a copy of the transmittal form is to be provided to the Commission.

2. Is the property located within a Flood Hazard Area? Yes No

-If YES, then please provide additional material showing the location of the area.

3. Is the regulated activity within a Public Water Supply Aquifer or Watershed? Yes No

- If YES, then a copy of the application and all material is to be submitted to the State Department of Health as well as the appropriate Water Company. See attached instructions for the Notification Process for the State Health Department. A copy of the transmittal forms shall be provided to the Commission.

4. Does the application require approval from Uncas Health District? Yes No
- If YES, then a copy of the approval is to be provided to the Commission.

5. Does the application require approval from the Public Works Dept? Yes No
- If YES, then a copy of the approval is to be provided to the Commission.

6. Does the application require approval from the Town of Montville WPCA? Yes No
- If YES, then a copy of the approval is to be provided to the Commission.

7. Does the application require permits from the following agencies?

			Submission Info
Army Corps of Engineers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Date _____
Department of Environmental Protection	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Date _____
Department of Transportation	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Date _____

- If YES, then a copy of the application and all material is to be submitted to said Agency and a copy of the transmittal form is to be provided to the Commission.

8. Does this permit require a State Water Diversion Permit? Yes No

9. Does this permit require a State Dam Permit? Yes No

10. Is this property subject to a Conservation Restriction and/or a Preservation Restriction?

-If YES, attach a copy of certified notice. Yes No

11. If the application is a renewal or modification of an existing permit, is a copy of the original approval included in the documentation package? Yes No

This application is proposing similar activities to previous monitoring well installations that were completed in 2007 under Montville IWC Permit # 207 IWC 4, and 2019 under Permit # 219 IWC 4.

The undersigned applicant hereby consents to necessary and proper inspections of the above mentioned property by agents of the Montville Inland Wetlands Commission at reasonable times, both before and after the permit in question has been granted by the Commission.

Name Benjamin Cornell Representative for Eversource Energy Service Company Date 12/1/2022

Property Owner if other than Applicant _____ Date _____



Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete this form in accordance with the instructions on pages 2 and 3 and mail to:

DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3rd Floor, Hartford, CT 06106

Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

- DATE ACTION WAS TAKEN: year: _____ month: _____
- ACTION TAKEN (see instructions - one code only): _____
- WAS A PUBLIC HEARING HELD (check one)? yes no
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
(print name) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

- TOWN IN WHICH THE ACTIVITY IS OCCURRING (print name): Uncasville
does this project cross municipal boundaries (check one)? yes no
if yes, list the other town(s) in which the activity is occurring (print name(s)): _____
- LOCATION (see instructions for information): USGS quad name: Montville or number: 86
subregional drainage basin number: 3006101
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): The Connecticut Light and Power Company dba Eversource Energy Service Company
- NAME & ADDRESS OF ACTIVITY / PROJECT SITE (print information): 128 Moxley Road, Montville, CT 06382
briefly describe the action/project/activity (check and print information): temporary permanent description: _____
Installation of four groundwater monitoring wells
- ACTIVITY PURPOSE CODE (see instructions - one code only): P
- ACTIVITY TYPE CODE(S) (see instructions for codes): 12, 14, _____, _____
- WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, must provide acres or linear feet):
wetlands: 0.02 acres open water body: 0.00 acres stream: 0.00 linear feet
- UPLAND AREA ALTERED (must provide acres): 0.05 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0.02 acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

Montville Inland Wetlands Application Form

Statewide Inland Wetlands & Watercourses Activity Reporting Form

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Section 1

Introduction

Tighe & Bond, Inc. (Tighe & Bond) is submitting this Inland Wetlands and Watercourse Permit Application on behalf of the Connecticut Light and Power Company dba Eversource Energy Service Company (Eversource) for Regulated Activity within wetlands and 50-Foot Town Upland Review Area. This report details existing wetland and environmental conditions and regulatory compliance for the proposed installation of four (4) water quality monitoring wells at 128 Moxley Road in Uncasville, Connecticut. The proposed wells will allow improved monitoring of groundwater in an area with known impacts. Permanent disturbance to wetland resources is not proposed.

Section 2 Existing Conditions

2.1 Site Description

The existing 14.34-acre site is bound to the north by a residential property and Moxley Road, to the east by vacant wooded land and I-395, to the south by an Algonquin Gas Transmission line right-of-way, and to the west by the Bit-by-Bit Stable property. Approximately half (6.7 acres) of the parcel consists of open water and wetland areas, while the remainder is predominantly composed of forested upland. The property is within a rural region primarily comprised of undeveloped and residential properties.

An approximately 4.9-acre area within the center of the property is known to be impacted by ash material. Site investigations performed by Vanasse Hangen Brustlin, Inc. (VHB) on behalf of Northeast Utilities Service Company in 2007, and by Tighe & Bond in 2020 and 2021 on behalf of Eversource, identified three monitoring wells with Significant Environmental Hazard (SEH) conditions in groundwater at the project site. These included a Drinking Water Well Threatened by a Groundwater Pollution Plume and Surface Water Threatened Conditions (Connecticut General Statute [CGS] Section 22a-6u(f) and CGS Section 22a-6u(g), respectively). Concentrations of several metals were detected in existing onsite monitoring wells within 500 feet upgradient of a private drinking water supply well at concentrations that exceed the Groundwater Protection Criteria (GWPC). Concentrations of cadmium, copper, and zinc were also detected in onsite monitoring wells upgradient of a surface water body at concentrations greater than ten times the acute aquatic life criteria in the Connecticut Water Quality Standards (WQS).

The site and surrounding area are shown on the Site Location Map (Figure 1), and the proposed well locations are shown on the Proposed Monitoring Well Locations Map (Figure 2) provided in Appendix A. Photographs of the resource areas are provided in Appendix B.

2.2 Mapped Soils

Digitally available soil survey information was obtained from the Natural Resources Conservation Service (NRCS) and was generally confirmed during a wetland investigation and delineation conducted by a Tighe & Bond qualified Professional Soil Scientist. The following soil descriptions are made based on the classification system of the National Cooperative Soil Survey, USDA, Soil Conservation Service. The Soil Survey Map is provided in Appendix C.

2.2.1 Wetland Soils

Ridgebury, Leicester, and Whitman soils (Map Unit 3)

The Ridgebury, Leicester, and Whitman components are extremely stony components typically found on depressions on glaciated uplands. The Ridgebury and Leicester slopes are between 0 to 8 percent, with the Whitman soil slopes between 0 to 3 percent. Parent material of Ridgebury and Whitman soils consists of course-loamy lodgment till derived

from gneiss, granite, and/or schist, while parent material of Leicester soils consists of coarse-loamy melt-out till derived from gneiss, granite, and/or schist. The natural drainage class of Ridgebury and Leicester soils is poorly drained, and Whitman soils very poorly drained. This soil complex meets hydric criteria.

2.2.1 Non-Wetland Soils

Udorthents- Urban Land (Map Unit 306)

Udorthents is a miscellaneous land type used to denote moderately well to excessively drained earthen material which has been so disturbed by cutting, filling, or grading that the original soil profile can no longer be discerned. Udorthents consist of very deep, moderately well drained to excessively drained soils on uplands, terraces and plains. They are highly disturbed soils commonly associated with construction and building or surface mining. Typically, more than two feet of the original soil has been removed or it has been covered with more than two feet of earthen fill. Texture to a depth of 60 inches varies from silt loam to extremely gravelly sand. Slopes range from 0 to 35 percent.

Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. Slopes range from 0 to 45 percent.

Haven silt loam (Map Unit 703A)

The Haven soil is typically found on outwash terraces on valleys with a 3 to 8 percent slope. The parent material consists of coarse-loamy eolian deposits over sandy and gravelly glaciofluvial deposits derived from granite and/or schist and/or gneiss. The natural drainage class is well drained and does not meet hydric criteria.

2.3 Resource Area Investigation

On October 24, 2019, May 12, 2022, and July 20, 2022, a Tighe & Bond Certified Soil Scientist and Professional Wetland Scientist conducted wetland resource area delineations within the limits of the project area. Tighe & Bond's wetland delineation was conducted in accordance with local, state, and federal guidelines, the Connecticut Inland Wetlands and Watercourses Act (§ 22a-36 to 22a-45), and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0, U.S. Army Corps of Engineers, January 2012).

2.4 Description of Resource Areas

This section describes wetland and watercourses delineated during the October 24, 2019, May 12, 2022, and July 20, 2022, field investigations.

The wetlands and watercourses at the site are hydrologically connected. An unnamed watercourse enters the site through a culvert beneath Moxley Road and flows in a straight, likely historically altered channel. This channel is approximately three to five feet wide and was observed flowing with water depth of varying between four to twelve inches during the three investigation dates. The stream flows approximately southward through a section of concrete pipe before flowing into the larger site pond.

The wetlands on the site include two areas of open water with emergent vegetation, including bur-reed (*Sparganium americanum*) and common reed (*Phragmites australis*); the open water of the pond had floating aquatic vegetation including water shield (*Brasenia* sp.). A second area of open water wetland with wetland fringe is located to the northeast of the upland fill area. The two ponds are hydrologically connected through a marsh area dominated by *Phragmites*. An emergent wetland complex was observed extending from the eastern pond through the property boundary to the east.

Surface water from the ponded wetland system at this site flows beneath I-395 to the south. This culvert was not visible or accessible from the fill area at the site. Surface water leaving the site forms a tributary to Miller Pond and Hunts Brook.

2.5 Wetland Functions and Values

A functions and values evaluation was conducted in accordance with *The Highway Methodology Workbook Supplement, Wetland Functions and Values: A descriptive Approach* issued by the U.S. Army Corps of Engineers New England District (ACOE NED), September 1999. The *Highway Methodology* recognizes 13 separate wetland functions and values.

Functions are those properties inherent to a given wetland system that exist in the absence of society. Values are the benefits derived from functions and physical characteristics associated with a wetland. Functions and values can be principal if they are an important physical component of a wetland ecosystem (function only), and/or are considered of special value to society, from a local, regional, and/or national perspective. The degree to which a wetland provides each of these functions and values is determined by one or more of the following factors: landscape position, substrate, hydrology, vegetation, history of disturbance, and size. The delineated wetland area may provide one or more of the listed functions and values at a principal level.

The ACOE NED workbook includes thirteen (13) functions and values that have been recognized as functions wetlands can provide: groundwater recharge/discharge, floodflow alteration, fish and shellfish habitat, sediment/toxicant retention, nutrient removal/retention/ transformation, production export, sediment/shoreline stabilization, wildlife habitat, recreation, education/scientific value, uniqueness/heritage, visual quality/aesthetics, and habitat for threatened or endangered species.

The principal functions and values of the wetland system in the project area include sediment/ toxicant retention, floodflow alteration, and wildlife habitat. The reasoning for the principal functions and values include:

Sediment/ Toxicant Retention

The flowing watercourse helps move sediment and toxicants through the wetland system, while dense vegetation traps and aids in settling the sediment and toxicants. Retention reduces and/or prevents water quality degradation.

Floodflow Alteration

The wetland is broad, concave, and relatively flat allowing flood storage of bank overflow from the two associated perennial watercourses. The wetland system is effective at reducing peak flow and water volume to buffer downstream properties from flooding.

Wildlife Habitat

Signs of wildlife, including deer, racoons, birds, chipmunks, and squirrels were observed during the investigation. The wetland is part of a wildlife corridor and is effective habitat for disturbance tolerant species.

2.6 Floodplain

Based on the Federal Emergency Management Agency's (FEMA) Panel Number 09011C0342G (effective 7/18/2011), the project site is located within Zone A – area with a 1% annual chance of flooding. The FEMA Firmette is provided in Appendix C.

2.7 Natural Diversity Database

The Connecticut Department of Energy and Environmental Protection's Natural Diversity Database (NDDDB) map, dated June 2022, had no areas of mapped listed species habitat within the project site. The NDDDB Map is provided in Appendix C.

Section 3

Project Description

This section provides a description of the proposed monitoring wells, vegetation clearing, and erosion and sedimentation control.

3.1 Proposed Activities

The proposed project includes the installation of four (4) two-inch diameter monitoring wells at locations shown on Figure 1 in Appendix A. The placement of these wells will expand the area for evaluation of groundwater flow and conditions at the site.

This work will also require some vegetation cutting to allow for equipment access to the well locations. No work in wetlands or watercourses is required, with the exception of one temporary wetland crossing to reach an upland well location. The monitoring well installations will not result in alteration of the site outside of the eight-inch borehole required to install the two-inch diameter well and casing and associated one-square foot concrete pads.

Three of the four wells are proposed to be installed within the 50-foot Upland Review Area, with no wells within wetland boundaries. Approximately 1 cubic yard of material will be removed during drilling and thirty square feet (sf) of permanent disturbance will result from the proposed work within the Upland Review Area.

3.1.1 Monitoring Well Installation

Four groundwater monitoring wells are proposed to be installed as shown on Figure 2 (Appendix A). The monitoring wells will be installed using a Geoprobe® 7822 drill rig, which is equipped with rubber-covered tracks. This rig requires a smaller footprint than conventional drill rigs. The drill rig will advance 4¼" inner diameter (ID) hollow-stem augers that will create an eight-inch diameter borehole required for the installation of the monitoring wells. The augers will be advanced to an approximate depth of 13 feet to 15 feet below grade. Monitoring wells will be constructed of two-inch outer diameter (OD) polyvinyl chloride (PVC), 0.010-inch slotted screen that is 10 feet in length, and a PVC riser to the ground surface. The annulus of the borehole surrounding the well screen will be backfilled with clean sand to two-feet above the top of the well screen, followed by a two-foot bentonite seal. The remainder of the borehole above the bentonite seal will be backfilled with clean sand or soils. Each monitoring well will be sealed with an expandable, locking well plug. A protective metal standpipe will be installed at each well that is secured within a concrete pad at its base. Excess soils and historic fill generated during the installation of MW-106R will be containerized in 55-gallon drums, staged and removed from the site by Eversource-approved contractors. Clean soil from the three wells beyond the ash disposal area will be redistributed in the upland review area.

3.1.2 Vegetation Clearing

Vegetation clearing will be primarily focused on the access path which coincides with the approximate route cleared in 2007 and 2019 during the original well installations. The access path will be used to access the northeastern and southern most wells. Clearing is expected to be limited to cutting shrubs and tree branches to allow for safe clearance and

operation of the drill rig. Cutting of trees is not anticipated. The western most well will be accessed through the adjacent property by permission of the Bit-By-Bit Stable landowner. The easternmost well will be accessed by the use of hand-carried mats laid over the wetland.

3.1.3 Temporary Wetland Crossing

The easternmost proposed monitoring well is in the upland review area but requires a drill rig to cross a section of wetland to reach the upland area for well installation. This approximate 1,000-sf temporary crossing will be completed using hand-carried plastic mats laid over the wetland to protect the wetland from rutting by the drill rig. Clearing is not proposed within the wetland, although some trimming of shrubs may be required. The route will be determined in the field to avoid trees and shrubs. Matting will be removed from the wetland at the completion of the well installation, which typically takes one to two days.

3.1.4 Erosion and Sedimentation Controls

Very limited ground disturbance is anticipated with the proposed monitoring well installations. The use of the rubber tracked Geoprobe drill rig will minimize soil disturbance traveling to the proposed well locations. Once the augers of the drill rig are removed from the ground the soil materials from the augers at MW-106R will be containerized in 55-gallon drums, and soil from the other three wells (located outside the ash deposition area) will be redistributed within the upland review area. The ground surface at the base of each monitoring well standpipe will be stabilized with a concrete pad. A straw wattle will be placed at the well drilling area between the work area and wetland to provide additional protection from sedimentation. Sediment and erosion controls will be removed upon completion of the well installation.

3.2 Disturbance Area

This project avoids permanent impacts to inland wetlands and watercourses, with approximately 1,000 sf of temporary impact consisting of the placement of matting to access the eastern most well location. The area of work within the Upland Review Area is presented below in **Table 3-1**. The ground disturbance at each well location will be stabilized with the approximately one square foot concrete apron. No changes in existing site grades are proposed.

TABLE 3-1

Area of Disturbance	Square feet
Inland Wetland or Watercourse	1,000 (temporary)
Upland Review Area:	
Monitoring Wells	30

3.3 Alternatives Analysis

This project proposes limited disturbance. There are no practical alternatives that would have less impact. The project, as proposed, avoids direct impacts to wetlands and watercourses and includes one temporary wetland crossing and minor alternations in the Upland Review Area. This project has selected the location of the existing well, MW-106,

for replacement and for the installation of three new wells to allow for comparisons to previous data and obtain additional information beyond the ash deposition area. The selection of a rubber-covered track mounted drill rig was made to minimize ground disturbance and the work area required at each well.

A 'no-action' alternative does not allow for the collection of updated groundwater information at the site.

Section 4 Summary

This project includes minor activities in the 50-foot Upland Review Area for the installation of groundwater monitoring wells. Three of the wells are within the Upland Review Area and the fourth is outside of Upland Review Area. One of the wells requires equipment access through wetlands for the work. These activities are similar to previous monitoring well installations that were completed in 2007 under Montville IWC Permit # 207 IWC 4, and 2019 under Permit # 219 IWC 4. This activity will not significantly alter the existing conditions of the site in the Upland Review Area and will have no permanent impacts to adjacent wetlands and watercourses.

Eversource respectfully requests that the Montville Inland Wetlands Commission find that the proposed activities are not a significant impact to wetlands and watercourses in accordance with the Montville Inland Wetlands and Watercourse Regulations and that the Commission issue an approval for the proposed activity.

Appendix A

Figures

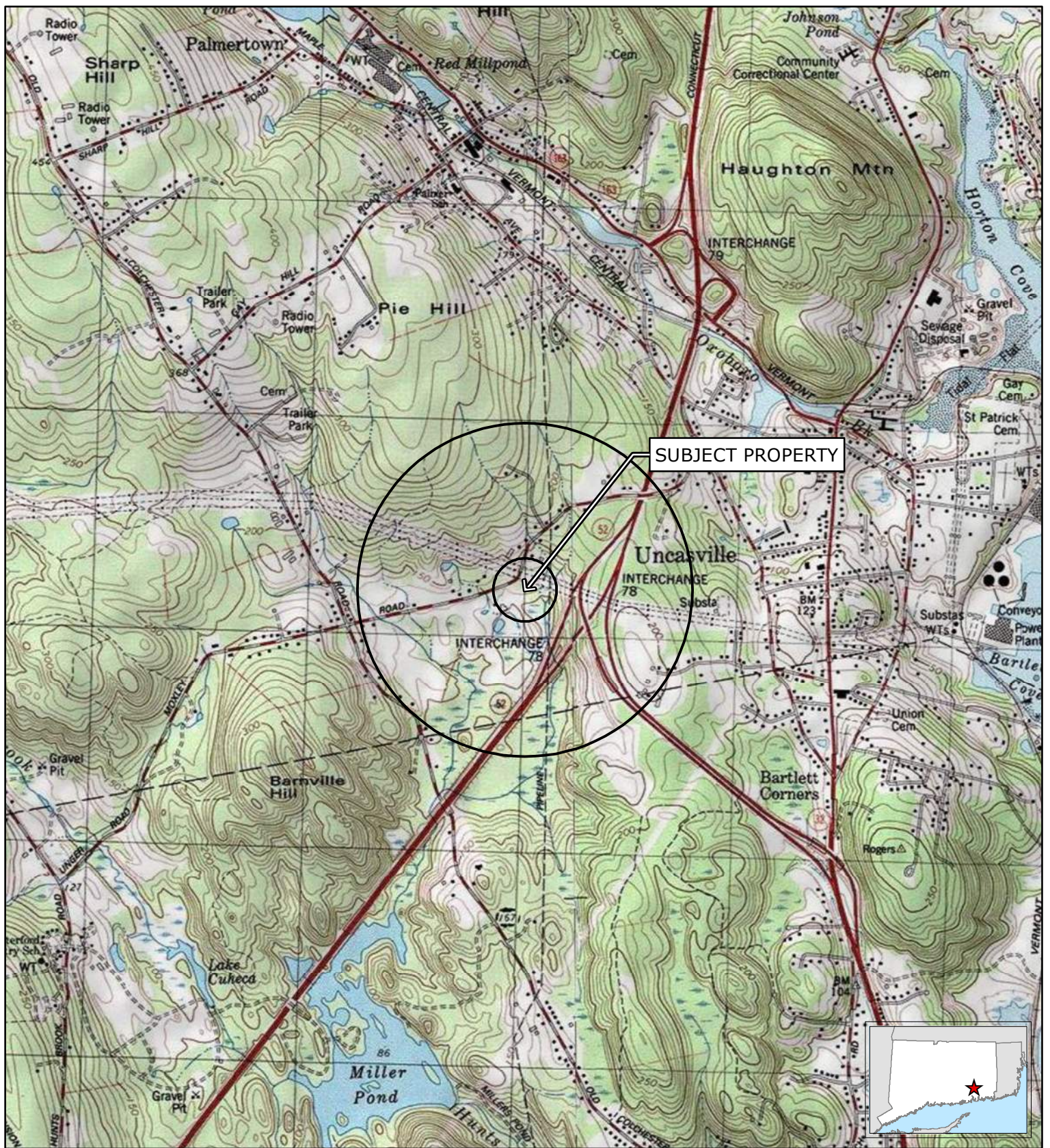
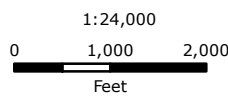


FIGURE 1
SITE LOCATION MAP

128 Moxley Road
Montville, Connecticut

Tighe & Bond

Based on USGS Topographic Map for
Montville & Uncasville, CT
Contour Interval Equals 10 ft.
Circles indicate 500-foot and half-mile radii



September 2022



**FIGURE 2
PROPOSED
MONITORING WELL
LOCATIONS**

LEGEND

- Proposed Monitoring Well Location
- Existing Monitoring Well Location
- Approximate Drill Rig Access Route
- 50-foot Upland Review Area
- Field Delineated Wetland Boundary
- Approximate Parcel Boundary
- Field Delineated Wetland
- Approximate Temporary Wetland Crossing

LOCUS MAP

0 60 120
Feet
1:1,440

- NOTES**
1. Based on 2019 Statewide Orthophotography, Courtesy of CTECO.
 2. Parcels provided by the State of Connecticut (2021).
 3. Monitoring well, boring, wetland flags/boundary, access route, and sample locations are approximate.

**Hunts Brook Property
128 Moxley Road
Montville, Connecticut**

November 2022



Appendix B
Site Photographs

Photographic Log

Client: Eversource

Job Number: E-5042-243

Site: 128 Moxley Road, Montville, Connecticut

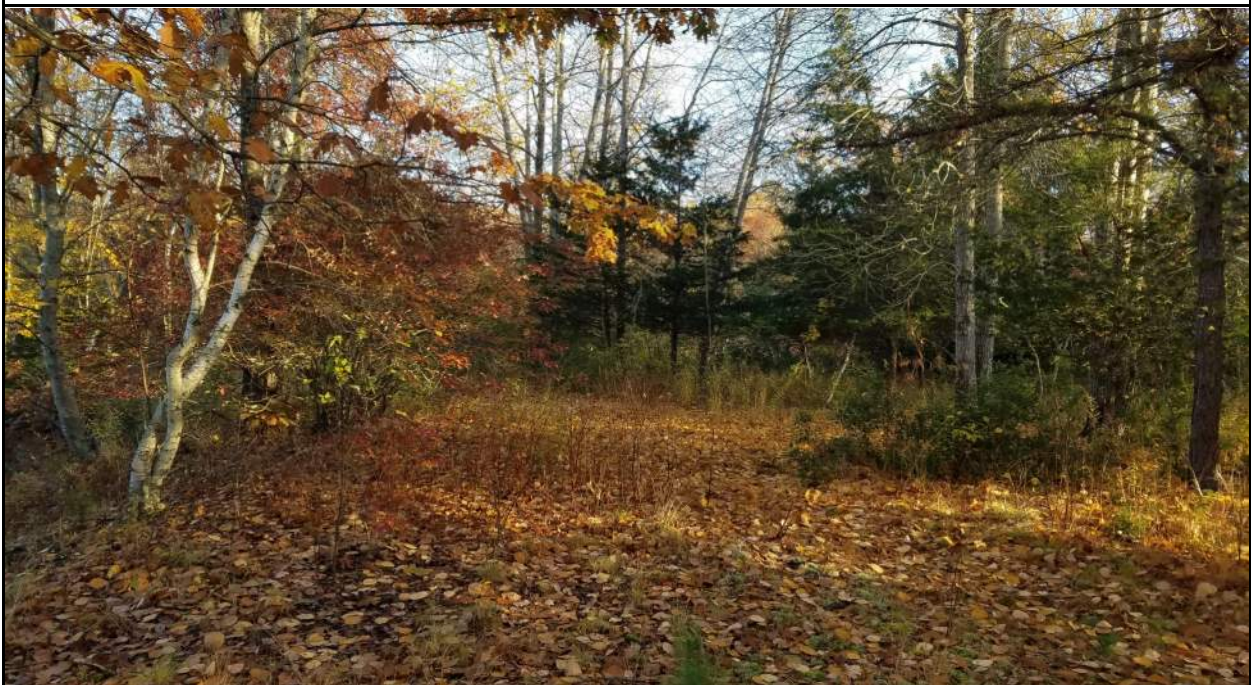
Photograph No.: 1	Date: 5/12/2022	Direction Taken: North
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Description: Approximate location of proposed wetland crossing for the eastern most well location.



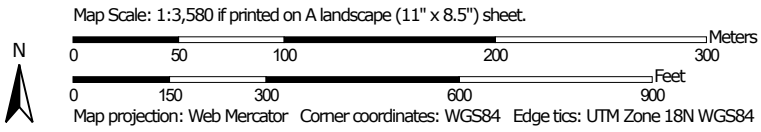
Photograph No.: 2	Date: 10/24/2019	Direction Taken: South
--------------------------	-------------------------	-------------------------------

Description: General view of the existing access road. Some clearing may be required to access the proposed well locations.



Appendix C
Web Soil Survey
FEMA Firmette
Natural Diversity Database

Soil Map—State of Connecticut



MAP LEGEND


Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut

Survey Area Data: Version 21, Sep 7, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Data not available.

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

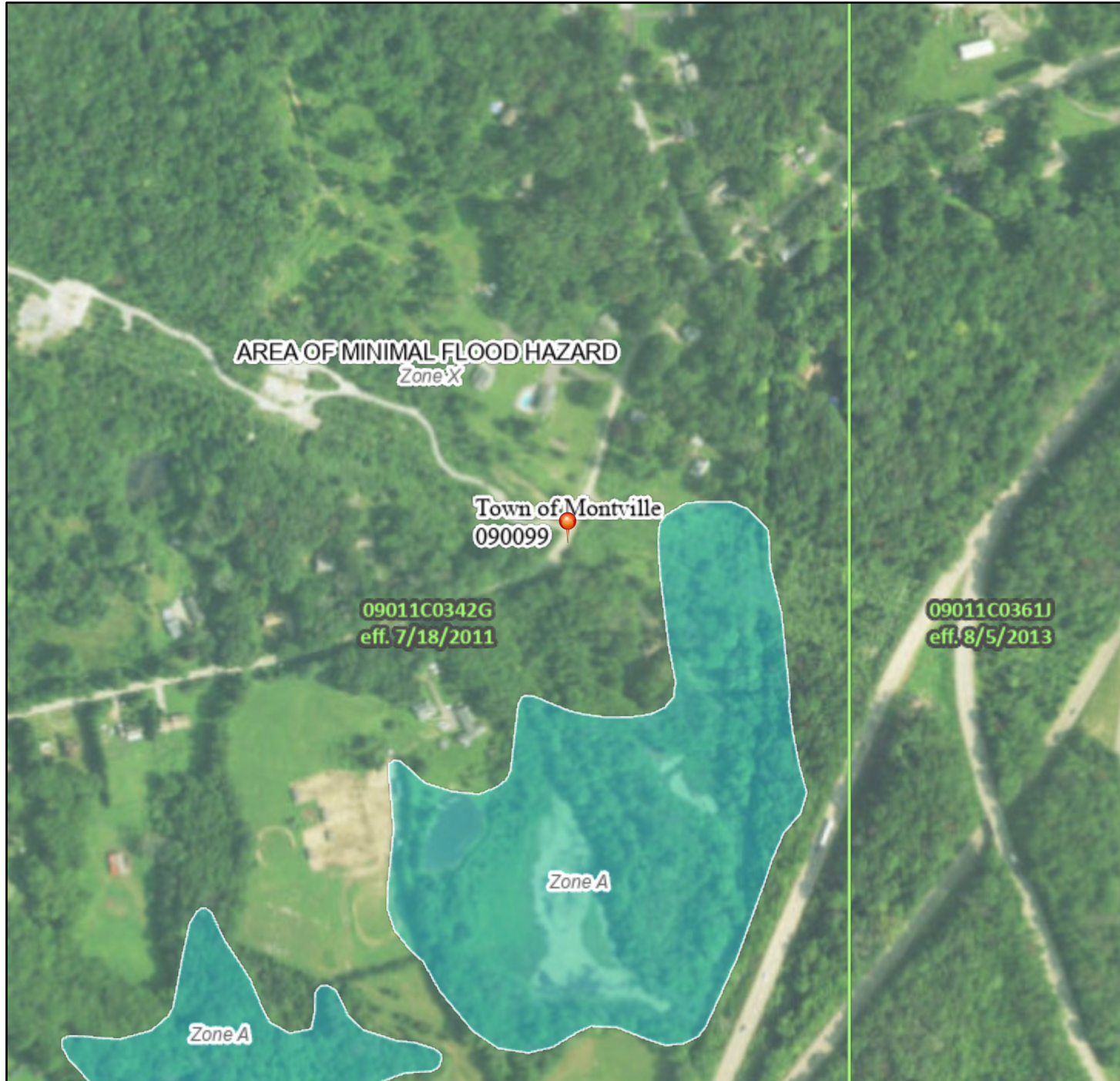
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony	5.7	9.1%
51B	Sutton fine sandy loam, 0 to 8 percent slopes, very stony	0.1	0.2%
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	2.3	3.6%
61B	Canton and Charlton fine sandy loams, 0 to 8 percent slopes, very stony	10.9	17.4%
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	4.0	6.3%
103	Rippowam fine sandy loam	0.1	0.1%
306	Udorthents-Urban land complex	33.6	53.4%
703A	Haven silt loam, 0 to 3 percent slopes	6.2	9.9%
Totals for Area of Interest		63.0	100.0%

National Flood Hazard Layer FIRMMette



72°7'58"W 41°26'2"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- | | |
|------------------------------------|---|
| SPECIAL FLOOD HAZARD AREAS | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i>
With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
Effective LOMRs
Area of Undetermined Flood Hazard <i>Zone D</i> |
| GENERAL STRUCTURES | Channel, Culvert, or Storm Sewer
Levee, Dike, or Floodwall |
| OTHER FEATURES | Cross Sections with 1% Annual Chance Water Surface Elevation
Coastal Transect
Base Flood Elevation Line (BFE)
Limit of Study
Jurisdiction Boundary
Coastal Transect Baseline
Profile Baseline
Hydrographic Feature |
| MAP PANELS | Digital Data Available
No Digital Data Available
Unmapped |
- N
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **8/9/2022 at 2:18 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Legend

-  Natural Diversity Database Area
-  Light Gray Canvas Base

Notes

0.3 0 0.14 0.3 Miles

This map is intended for general planning, management, education, and research purposes only. Data shown on this map may not be complete or current. The data shown may have been compiled at different times and at different map scales, which may not match the scale at which the data is shown on this map.

1: 9,028



Appendix D Abutter List



50 foot Abutters List Report

Montville, CT
September 09, 2022

Subject Property:

Parcel Number: 010-008-000
CAMA Number: 010-008-000
Property Address: 128 MOXLEY RD

Mailing Address: CONNECTICUT LIGHT & POWER
COMPANY
PO BOX 270
HARTFORD, CT 061410270

Abutters:

Parcel Number: 009-024-000
CAMA Number: 009-024-000
Property Address: 132 MOXLEY RD

Mailing Address: POWOROZNEK PETER P & FISCHER
MARY E
132 MOXLEY RD
UNCASVILLE, CT 06382

Parcel Number: 010-006-00A
CAMA Number: 010-006-00A
Property Address: 124 MOXLEY RD

Mailing Address: REED BRIAN
PO BOX 454
QUAKER HILL, CT 063750454

Parcel Number: 010-007-000
CAMA Number: 010-007-000
Property Address: 126 MOXLEY RD

Mailing Address: ELWOOD LILLIAN
126 MOXLEY RD
UNCASVILLE, CT 06382



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