

January 14, 2025

Ms. Jasmin Faunce  
Realty Specialist  
United States Forest Service  
White Mountain National Forest  
71 White Mountain Drive  
Campton, NH 03223

Re: Public Service of New Hampshire dba Eversource Energy  
Proposed Geotechnical Scope within White Mountain National Forest - **Update**  
X-178-2 115kV Transmission Line Rebuild Project  
Lincoln & Easton, New Hampshire

Dear Ms. Faunce,

This letter provides information regarding proposed geotechnical scope as part of the X178-2 Transmission Line Rebuild Project which is located within the White Mountain National Forest (WMNF). As you are aware, Eversource is proposing to rebuild the 115kV X178 Transmission Line which crosses through portions of Campton, Thornton, Woodstock, Easton, Lincoln, Sugar Hill, Bethlehem, Dalton and Whitefield NH between the Beebe River Substation and Whitefield Substation for approximately 49 miles. In regard to proposed geotechnical scope, Eversource is proposing geotechnical drilling at existing structures 248, 249, 251, 252, 253, 254, 255, 256, 257, 258, 259, 263 located in Lincoln and existing structures 264, 267, and 270 located in Easton, NH. Eversource's goal is to perform this work in the winter timeframe in 2025, which would be the optimum timeframe to avoid and minimize impacts to the natural environment. Standard Form 299, provided as Attachment A, is attached to this letter for your use. A plan set, provided as Attachment B, shows the right of way corridor, structure locations, boring work locations, and relevant environmental and cultural features.

### **Project Need**

The 115kV X178 Transmission Line is being rebuilt as it is a critical source of Transmission infrastructure for northern New Hampshire. The structures detailed above require geotechnical subsurface drilling investigations to collect data for structure foundation design needs. The purpose of the geotechnical investigations is to collect boring data and samples to undergo laboratory testing to aid in design for the future replacement structures.

### **Natural Resources Evaluations**

Wetlands were originally delineated in 2010 and 2015 for the entirety of this right-of-way (ROW) as part of a separate project. GZA re-delineated wetland boundaries, photographed resources, completed additional wetland documentation, and recorded data relevant to functions and values provided by these natural resources within the ROW in November and December 2022 and May 2023. GZA delineated wetland boundaries in accordance with the United States Army Corps of Engineers (ACOE) Wetlands Delineation Manual using the Routine Determinations Method and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual as required by the New Hampshire Department of Environmental Services (NHDES) Wetlands Bureau and the ACOE. Within the scope area of the proposed geotechnical work (existing structures 248 through 270), GZA identified 11 wetlands within the ROW, most of which are classified as palustrine emergent and scrub-shrub systems maintained through vegetation maintenance within the ROW.

GZA conducted a vernal pool evaluation in May 2023 in accordance with "Identification and Documentation of Vernal Pools in New Hampshire," 2016, New Hampshire Fish and Game Department, Nongame and Endangered Wildlife Program. Vernal pool areas exist as confined basins and must exhibit vernal pool criteria outlined in the New Hampshire Code of Administrative Rules, Env-Wt. 103.64, 104.15, and 104.44. Within the scope area of the proposed geotechnical work (existing structures 248 through 270), GZA identified and confirmed 3 vernal pools within the ROW.

For X178-2 Transmission Line Rebuild Project, GZA submitted a request for data checks with the New Hampshire Natural Heritage Bureau (NHB) and New Hampshire Fish and Game (NHFG) in November 2022. In the Town of Easton, records of wood turtle (*Glyptemys insculpta*) were identified within the vicinity of the X178 Transmission Line ROW. GZA and Eversource have coordinated with NHFG to provide best management practices during construction of the project to minimize and avoid impact to wood turtles. NHB identified records of Wiegand's sedge (*Carex wiegandii*), a State endangered species, within the vicinity of the X178 Transmission Line ROW. GZA conducted surveys for Wiegand's sedge in July 2023 and did not identify Wiegand's sedge within the requested survey locations from NHB.

At the request of the White Mountain National Forest (WMNF) in support of the National Environmental Policy Act (NEPA) permitting process, GZA performed a Rare Plant Survey conducted along a 9.8 mile stretch of the ROW, which included the scope area of the proposed geotechnical work, in June, July and August 2024. The Rare Plant Survey resulted in the observation of one location of Wiegand's sedge on July 15, 2024, just northwest of existing Structure 257 in Wetland L-5. This area will be avoided by the geotechnical work and the future line rebuild work.

For the proposed geotechnical scope discussed herein, GZA submitted a request for data checks with NHB (NHB24-3175 & NHB24-3176) and NHFG in November 2024. The data checks, provided as Attachment C, again identified the plant species Wiegand's sedge and the insect species, Sedge darner (*Aeshna juncea*). GZA and Eversource have coordinated with NHFG regarding best management practices and on January 9, 2025 NHFG provided a condition that "all work (including mobilization and demobilization) shall occur from December 15<sup>th</sup>-March 15<sup>th</sup>." GZA and Eversource agrees that work during the winter timeframe should minimize potential impacts to the extent practicable.

The geotechnical investigations require New Hampshire Department of Environmental Services, Statutory Permit by Notification Wetland Permits. The proposed project includes approximately 900 square feet (sq. ft.) of temporary work platform in very poorly drained soils that are mapped as peatland habitat in the Town of Easton. In the Town of Lincoln, the project includes approximately 295 square feet (sq. ft.) of temporary work platforms in poorly drained soils and 7,200 sq. ft. in very poorly drained soils that are mapped as peatland habitat. Photographs of work locations in the ROW corridor are provided as Attachment D.

### **Cultural Resources**

An ARPA permit was submitted to Sarah Jordan on April 13, 2023 by Independent Archaeological Consulting (IAC) to complete Phase IB Archaeological Survey within the WMNF for the X178-2 project and was approved on June 15, 2023 by the USFS. Phase IB Archaeological Survey work was completed in July and August 2023, and a Request for Project Review with the NH Division of Historic Resources (NHDHR) was submitted by GZA on November 11, 2023. NHDHR responded relative to RPR#15305 on September 30, 2024 and determined that "no significant archaeological sites will be affected by the undertaking" of the X-178-2 Line Rebuild Project.

As requested by NHDHR, an Above Ground Architectural Resources Survey was conducted by Preservation Company and effects tables were provided to NHDHR in a letter dated September 13, 2024. In a letter to GZA

dated September 30, 2024, NHDHR concluded that the X-178-2 Line Rebuild Project would have “no adverse effect” on above ground historic resources. Cultural Resource Survey Reports have been provided to the USFS.

Both the Phase IB and Above Ground Historic Resource Survey identified the Appalachian Trail that crosses the corridor in the vicinity of Structure 259. As shown on the plan set, Attachment A, the boring work location avoids the trail and no permanent or temporary impact to the trail is proposed as part of this scope of work.

### **Constructability**

Given the remote location of the proposed work along the X178-2 Transmission Line and lack of suitable access, Eversource proposes to utilize portable rotary core drills which will be transported by helicopter to the drilling locations. A helicopter landing zone outside of the White Mountain National Forest near Route 116 in Easton will be utilized to support this effort. Geotechnical drill personnel will be transported to six helicopter landing area locations within the ROW via helicopter each working day and will travel on foot to the geotechnical boring locations (see Attachment A). 20' x 16' or smaller temporary timber mat pads will be placed at the helicopter landing zones. The work is proposed to be conducted by two three-man crews and it is anticipated that it will take 16 days to complete the work. Geotechnical work is proposed to take place this winter to maximize seasonal avoidance of impacts to wetlands and rare species.

Each drilling location requires a 30' x 30' temporary work platform to support the drilling effort. Temporary matting will also be utilized at wetland drilling locations. Further the polyethylene sheeting will be utilized in conjunction with the matting for fuel and spill containment purposes.

Brush maintenance within the ROW adjacent to drilling locations may be needed for proper placement of the 30' x 30' temporary work platforms and/or temporary matting. All geotechnical drilling fluids will be recovered and removed from each drilling location.

Additional details on the drilling setup have been provided by the drilling contractor, Crux, as Attachment E.

### **Geotechnical Scope of Work**

The following section summarizes the scope of work provided by Eversource's geotechnical boring contractor, Crux.

#### **1. Task 1 – Surface Reconnaissance - Completed**

- Perform a surface reconnaissance at each of the 15 boring locations identified herein. The purpose of the surface reconnaissance is to identify geologic hazards not visible on aerial photography or videography. Geologic hazards include, but are not limited to seeps and springs, sinkholes, landslides, and relic mining.

#### **2. Task 2 – Exploration Plan**

- Coordinate with Eversource personnel to locate the explorations in areas away from buried utilities. Eversource will complete Dig Safe utilities locate request through the New Hampshire 811 system before Crux mobilizes to the site.

#### **3. Task 3 – Subsurface Exploration**

- Perform 15 Standard Penetration test (SPT) borings with one boring at each of the following structure locations: 248, 249, 251, 252, 253, 254, 255, 256, 257, 258, 259, 263, 264, 267, 270.

**Kurt I. Nelson**

Manager, Licensing &amp; Permitting

[Kurt.nelson@eversource.com](mailto:Kurt.nelson@eversource.com)

603-714-3031

- Where auger drilling refusal is encountered due to bedrock, rock coring will be performed to penetrate and sample bedrock up to 10 feet below the encountered refusal depth. No bedrock will be sampled if auger refusal occurs within 5 feet of planned termination depth.
- Boreholes will be logged in accordance with the Unified Soil Classification System (USCS). Groundwater levels, if encountered, will be recorded during drilling and before hole abandonment.
- Sampling will include standard split spoon sampling at a minimum of four (4) samples in the top 10 feet and 5-foot intervals thereafter.
- Obtain Shelby tube samples where cohesive materials with blow counts less than 20 are encountered, and bulk soil samples collected from auger cuttings for select laboratory testing.
- Mobilize a field representative to characterize and document encountered subsurface conditions on field logs. The field representative will also perform the following: 1) obtain color photos of the drill equipment and each drill location pre- and post-drilling, 2) obtain color photos of the samples collected; 3) place recovered core, if bedrock is encountered, in boxes labeled with the project name, boring number, depth interval, and box number (separate core runs with blocks that identify depth); and 4) take color photographs of core in boxes prior to removal from site.
- Conduct laboratory tests on select samples obtained during the exploration program. The laboratory testing program will include engineering and index properties testing on representative samples throughout the exploration program.

**4. Task 4 – Laboratory Testing**

- Conduct geotechnical laboratory tests and evaluate index and geotechnical engineering characteristics and design requirements for the proposed structures.

**5. Task 5 – Geotechnical Engineering Analysis and reporting**

- Conduct the required engineering evaluations and analyses in order to provide the deliverables listed below. Though not anticipated, where liquefaction hazard is identified, consult with the structural engineer to evaluate potential liquefaction mitigation foundation designs and develop foundation design recommendations. Deliverables will be presented in a Geotechnical Engineering Report that presents the results of the surface reconnaissance, subsurface explorations, and geotechnical recommendations including:
  - A brief description of the field procedure and equipment
  - A brief description of the geologic setting of the site.
  - Subsurface characterization of the conditions encountered during our field and laboratory testing programs including groundwater conditions.
  - For Seismic Site Classes D, E, and F, a geologic hazard assessment including landslide, flooding, ground rupture, and liquefaction hazards.
  - For liquefaction assessment, characterize the risk including, but not limited to, the level of risk, the types of risk (settlement, differential settlement, lateral spreading, loss of bearing, etc.), and calculate the expected liquefaction induced settlement.
  - Frost depth
  - Soil Corrosivity
  - Site Plan showing location of explorations
  - Electronic boring logs

- Representative site photographs
- Core photos (if bedrock is encountered)
- Laboratory Test Results

### **Resource Avoidance**

Eversource and GZA has completed a Geotechnical Boring Plan Set to limit and avoid impacts to resources including wetlands, protected species, and archeological features. In addition, Eversource has been completing reviews with state agencies and looks forward to additional feedback from the USFS.

Based on consultation with NH Fish and Game, NH Natural Heritage Bureau, and the NH Department of Historical Resources, and permitting with the NH Department of Environmental Services, the proposed geotechnical scope will have no permanent impacts on wetlands, archeological resources, fisheries and wildlife, or any sensitive plant or animal species.

### **Project Schedule**

As discussed above, the proposed geotechnical scope is proposed to be completed this winter, with a desired start in the WMNF in February-March 2025. At the State level, a Utility Statutory Permit by Notification Wetland Permit will be required through the New Hampshire Department of Environmental Services, Eversource anticipates submitting this application in mid-January following coordination with NHFG on January 9, 2025.

### **Alternatives Analysis**

The X178 Transmission Line already exists within a ROW within the White Mountain National Forest and geotechnical drilling is required to adequately design replacement structures installed via helicopter construction methods. The usage of helicopter construction methods will significantly reduce construction related impacts within the Forest and there is no other lesser impacting alternative available to Eversource.

Eversource appreciates the review of this submittal and looks forward to your review and next steps.

Sincerely,

**Eversource Energy**



**Kurt I. Nelson**  
**Manager of Licensing & Permitting**



13 Legends Drive  
Hooksett, NH 03106

**Kurt I. Nelson**

Manager, Licensing & Permitting

[Kurt.nelson@eversource.com](mailto:Kurt.nelson@eversource.com)

603-714-3031

**Attachments:**

**Attachment A– Standard Form 299**

**Attachment B – Geotechnical Boring Plan Set**

**Attachment C – NHB Rare Species Datacheck Documents**

**Attachment D –Work Location Photographs**

**Attachment E – Crux Drilling Setup Details**

**APPLICATION FOR TRANSPORTATION, UTILITY SYSTEMS, TELECOMMUNICATIONS AND FACILITIES  
ON FEDERAL LANDS AND PROPERTY**

FORM APPROVED  
OMB Control Number: 0596-0249  
Expiration Date: 1/31/2027

FOR AGENCY USE ONLY

NOTE: Before completing and filing the application for an authorization (easement, right-of-way, lease, license or permit), the applicant should completely review this package, including instructions, and schedule a pre-application meeting with representatives of the agency responsible for processing the application. Each agency may have specific and unique requirements to be met in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the pre-application meeting.

Application Number

Date Filed

1. Name and address of applicant  
PSNH d/b/a Eversource Energy  
Attn: Kurt Nelson  
13 Legends Drive  
Hooksett, NH 03106

2. Name and address of authorized agent if different from item 1  
GZA GeoEnvironmental  
Attn: Steven Riker  
5 Commerce Park North, Suite 201  
Bedford, NH 03110-6984

3. Applicant telephone number and email:  
603-634-3256  
kurt.nelson@eversource.com

Authorized agent telephone number and email:  
603-232-8757  
steven.riker@gza.com

4. As applicant are you? (check one)

- a. ☐ Individual  
b. ☒ Corporation\*  
c. ☐ Partnership/Association\*  
d. ☐ State Government/State Agency  
e. ☐ Local Government  
f. ☐ Federal Agency

5. Specify what application is for: (check one)

- a. ☒ New authorization  
b. ☐ Renewing existing authorization number  
c. ☐ Amend existing authorization number  
d. ☐ Assign existing authorization number  
e. ☐ Existing use for which no authorization has been received \*  
f. ☐ Other\*

\* If checked, complete supplemental page

\* If checked, provide details under item 7

6. If an individual, or partnership, are you a citizen(s) of the United States? ☐ Yes ☐ No

7. Project description (describe in detail): (a) Type of use or occupancy, (e.g., canal, pipeline, road, telecommunications); (b) related structures and facilities; (c) physical specifications (Length, width, grading, etc.); (d) term of days/years needed; (e) time of year of use or operation; (f) Volume or amount of product to be transported; (g) duration and timing of construction; and (h) temporary work areas needed for activity/construction (Attach additional sheets, if additional space is needed.)

Eversource is proposing geotechnical drilling at existing structures 248, 249, 251, 252, 253, 254, 255, 256, 257, 258, 259, 263 located in Lincoln and existing structures 264, 267, and 270 located in Easton, NH. The structures detailed above require geotechnical subsurface drilling investigations to collect data for structure foundation design purposes. Given the remote location of the proposed work along the X178-2 Transmission Line and lack of suitable access, Eversource proposes to utilize portable rotary core drills which will be transported by helicopter to the drilling locations. Each drilling location requires a 30' x 30' temporary work platform to support the drilling effort. Temporary matting may also be used to support the drilling platform at wetland drilling locations. Six 20' x 16' matting locations will also be temporarily installed to support helicopter landing locations for personnel. Geotechnical work is proposed to take place this winter to maximize seasonal avoidance of impacts to wetlands and rare species.

See the Geotechnical Scope Letter for more information.

8. Attach a map covering area and show location of project proposal.

9. State or Local government approval: ☐ Attached ☒ Applied for ☐ Not Required

10. Nonrefundable application fee: ☐ Attached ☐ Not required ☐ To be determined by agency

11. Does project cross international boundary or affect international waterways? ☐ Yes ☒ No (if "yes," indicate on map)

12. Give statement of your technical and financial capability to construct, operate, maintain, and terminate system for which authorization is being requested.

Eversource is a leading expert in building, owning and operating transmission facilities and is an Edison Award recipient for transmission ownership and providing service. Eversource operates New England's largest utility system serving approximately 3.7 million electric and natural gas customers across NH, MA, and CT. Eversource owns and operates approximately 4,270 circuit miles of transmission lines, 72,000 pole miles of distribution lines, 578 substations, and nearly 450,000 distribution transformers. Furthermore, PSNH and its predecessor companies have owned, operated, and maintained transmission facilities in NH for over 100 years. Eversource has the financial capability to execute the proposed project.



13a. Describe other alternative locations considered.

The X-178 Transmission Right of Way and the structures proposed for replacement currently exist and there are no other alternative locations.

b. Why were these alternatives not selected?

N/A

c. Give explanation as to why it is necessary to use or occupy Federal assets (lands or buildings).

The X-178 Transmission Right of Way and the structures proposed for replacement currently exist.

14. List authorizations and pending applications filed for similar projects which may provide information to the authorizing agency. (Specify number, date, code, or name)

O-154 Line Rebuild Project, S-136 Line Rebuild Project, B-112 Line Rebuild Project, X-178-1 Line Rebuild Project

15. Provide statement of need for project, including the economic feasibility and items such as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits.

The X178 Transmission Line is being rebuilt as it is a critical source of Transmission infrastructure for northern New Hampshire. The structures detailed above require geotechnical subsurface drilling investigations to collect data for structure foundation design needs.

16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles.

The proposed geotechnical scope is temporary in nature and does not include the construction of any permanent structures. Given the remote location of the work, the methods of work associated with the drilling, and the work being performed during the winter, Eversource does not anticipate any effects to populations, social and economic aspects, or the rural lifestyle.

17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability; and, (g) historic or archaeological resources or properties.

Given the method of work and timing of the work, Eversource does not anticipate any environmental effects from the proposed geotechnical drilling. See the Geotechnical Scope Letter for more information.

18. Describe the probable effects that the proposed project will have on (a) populations of fish, plant life, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals.

Based on consultation with NH Fish and Game and the NH Natural Heritage Bureau no impacts to wildlife or plants are anticipated from this scope of work.

19. State whether any hazardous material, as defined in this paragraph, would be used, produced, transported or stored on or in a federal building or federal lands or would be used in connection with the proposed use or occupancy. "Hazardous material" shall mean (a) any hazardous substance under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. § 9601(14); (b) any pollutant or contaminant under section 101(33) of CERCLA, 42 U.S.C. § 9601(33); (c) any petroleum product or its derivative, including fuel oil, and waste oils; and (d) any hazardous substance, extremely hazardous substance, toxic substance, hazardous waste, ignitable, reactive or corrosive materials, pollutant, contaminant, element, compound, mixture, solution or substance that may pose a present or potential hazard to human health or the environment under any applicable environmental laws. The holder shall not store any hazardous materials at the site without prior written approval from the authorized officer. This approval shall not be unreasonably withheld. If the authorized officer provides approval, this permit shall include (or in the case of approval provided after this permit is issued, shall be amended to include) specific terms addressing the storage of hazardous materials, including the specific type of materials to be stored, the volume, the type of storage, and a spill plan. Such terms shall be proposed by the holder and are subject to approval by the authorized officer.

The geotechnical drilling equipment includes the use petroleum products such as gasoline, diesel fuel and hydraulic fluid. Spill containment protocols are discussed in the Geotechnical Scope Letter.

20. Name all the Federal Department(s)/Agency(ies) where this application is being filed.

United States Department of Agriculture Forest Service - White Mountain National Forest (Pemigewasset Ranger District)

I HEREBY CERTIFY, That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

Signature of Applicant



Date 12/23/24

Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.



GENERAL INFORMATION  
ALASKA NATIONAL INTEREST LANDS

This application will be used when applying for a right-of-way, permit, license, lease, or certificate for the use of Federal lands which lie within conservation system units and National Recreation or Conservation Areas as defined in the Alaska National Interest lands Conservation Act. Conservation system units include the National Park System, National Wildlife Refuge System, National Wild and Scenic Rivers System, National Trails System, National Wilderness Preservation System, and National Forest Monuments.

Transportation utility systems telecommunication installations facility uses for which the application may be used are:

1. Canals, ditches, flumes, laterals, pipes, pipelines, tunnels, and other systems for the transportation of water.
2. Pipelines and other systems for the transportation of liquids other than water, including oil, natural gas, synthetic liquid and gaseous fuels, and any refined product produced therefrom.
3. Pipelines, slurry and emulsion systems, and conveyor belts for transportation of solid materials.
4. Systems for the transmission and distribution of electric energy.
5. Wired and wireless systems for transmission or reception of radio, television, telephone, telegraph, and other electronic signals, and other means of communications.
6. Improved right-of-way for snow machines, air cushion vehicles, and all-terrain vehicles.
7. Roads, highways, railroads, tunnels, tramways, airports, landing strips, docks, and other systems of general transportation.

This application must be filed simultaneously with each Federal department or agency requiring authorization to establish and operate your proposal.

In Alaska, the following agencies will help the applicant file an application and identify the other agencies the applicant should contact and possibly file with:

Department of Agriculture  
Regional Forester, Forest Service (USFS)  
P.O. Box 21628  
Juneau, Alaska 99802-1628  
Telephone: (907) 586-7847  
(or a local Forest Service Office)

Department of the Interior  
Bureau of Indian Affairs (BIA)  
Alaska Regional Office  
709 West 9th Street  
Juneau, Alaska 99802  
Telephone: (907) 586-7177

Department of the Interior  
Alaska State Office  
Bureau of Land Management  
222 West 7th Avenue #13  
Anchorage, Alaska 99513  
Public Room: 907-271-5960  
FAX: 907-271-3684  
(or a local BLM Office)

U.S. Fish & Wildlife Service (FWS)  
Office of the Regional Director  
1011 East Tudor Road  
Anchorage, Alaska 99503  
Telephone: (907) 786-3440

National Park Service (NPS)  
Alaska Regional Office  
240 West 5th Avenue  
Anchorage, Alaska 99501  
Telephone: (907) 644-3510

Department of Transportation  
Federal Aviation Administration  
Alaska Region AAL-4, 222 West 7th Ave., Box 14  
Anchorage, Alaska 99513-7587  
Telephone: (907) 271-5285

NOTE - The Department of Transportation has established the above central filing point for agencies within that Department. Affected agencies are: Federal Aviation Administration (FAA), Coast Guard (USCG), Federal Highway Administration (FHWA), Federal Railroad Administration (FRA).

OTHER THAN ALASKA NATIONAL INTEREST LANDS

Use of this form is not limited to National Interest Conservation Lands of Alaska.

Individual department/agencies may authorize the use of this form by applicants for transportation, utility systems, telecommunication installations and facilities on other Federal lands outside those areas described above.

For proposals located outside of Alaska, applications will be filed at the local agency office or at a location specified by the responsible Federal agency.

SPECIFIC INSTRUCTIONS  
(Items not listed are self-explanatory)

- 7 Attach preliminary site and facility construction plans. The responsible agency will provide instructions whenever specific plans are required.
- 8 Generally, the map must show the section(s), township(s), and range(s) within which the project is to be located. Show the proposed location of the project on the map as accurately as possible. Some agencies require detailed survey maps. The responsible agency will provide additional instructions.
- 9, 10, and 12 The responsible agency will provide additional instructions.
- 13 Providing information on alternate locations in as much detail as possible, discussing why certain locations were rejected and why it is necessary to use Federal assets will assist the agency(ies) in processing your application and reaching a final decision. Include only reasonable alternate locations as related to current technology and economics.
- 14 The responsible agency will provide instructions.
- 15 Generally, a simple statement of the purpose of the proposal will be sufficient. However, major proposals located in critical or sensitive areas may require a full analysis with additional specific information. The responsible agency will provide additional instructions.
- 16 through 19 Providing this information with as much detail as possible will assist the Federal agency(ies) in processing the application and reaching a decision. When completing these items, you should use a sound judgment in furnishing relevant information. For example, if the project is not near a stream or other body of water, do not address this subject. The responsible agency will provide additional instructions.

Application must be signed by the applicant or applicant's authorized representative.

Note - Filings with any Interior agency may be filed with any office noted above or with the Office of the Secretary of the Interior, Regional Environmental Officer, P.O. Box 120, 1675 C Street, Anchorage, Alaska 99513.

## PUBLIC BURDEN STATEMENT

The Federal agencies collect this information from proponents and applicants requesting a right-of-way, permit, license, lease, or certification for use of Federal assets. The Federal agencies use this information to evaluate a proponent's or applicant's proposal to use Federal assets. A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid Office of Management and Budget (OMB) Control Number. The approved OMB Control Number for this information collection is 0596-0249. Without this approval, we could not conduct this information collection. Public reporting for this information collection is estimated to be approximately 8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden, to the USDA Forest Service email address [SM.FS.InfoCollect@usda.gov](mailto:SM.FS.InfoCollect@usda.gov) and include the OMB Control Number in the subject line. Disclosure of the information is voluntary. If all the information is not provided, the proposal or application may be rejected. Concerns about this form can be sent to Director, Lands, Minerals, and Geology Management Staff, 1st Floor Southeast, 201 14th Street, SW, Washington, DC 20250-1124

## USDA NONDISCRIMINATION STATEMENT

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident. Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotope, American Sign Language, etc.) should contact the responsible agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English. To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at [How to File a Program Discrimination Complaint and at any USDA office](#) or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410; (2) fax: (202) 690-7442; or (3) email: [program.intake@usda.gov](mailto:program.intake@usda.gov). The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

**SUPPLEMENTAL**

NOTE: The responsible agency(ies) will provide instructions	CHECK APPROPRIATE BLOCK	
<b>I - PRIVATE CORPORATIONS</b>	ATTACHED	FILED *
a. Articles of Incorporation	<input type="checkbox"/>	<input type="checkbox"/>
b. Corporation Bylaws	<input type="checkbox"/>	<input type="checkbox"/>
c. A certification from the State showing the corporation is in good standing and is entitled to operate within the State	<input type="checkbox"/>	<input type="checkbox"/>
d. Copy of resolution authorizing filing	<input type="checkbox"/>	<input type="checkbox"/>
e. The name and address of each shareholder owning 3 percent or more of the shares, together with the number and percentage of any class of voting shares of the entity which such shareholder is authorized to vote and the name and address of each affiliate of the entity together with, in the case of an affiliate controlled by the entity, the number of shares and the percentage of any class of voting stock of that affiliate owned, directly or indirectly, by that entity, and in the case of an affiliate which controls that entity, the number of shares and the percentage of any class of voting stock of that entity owned, directly or indirectly, by the affiliate.	<input type="checkbox"/>	<input type="checkbox"/>
f. If application is for an oil or gas pipeline, describe any related right-of-way or temporary use permit applications, and identify previous applications.	<input type="checkbox"/>	<input type="checkbox"/>
g. If application is for an oil and gas pipeline, identify all Federal lands by agency impacted by proposal.	<input type="checkbox"/>	<input type="checkbox"/>
<b>II - PUBLIC CORPORATIONS</b>		
a. Copy of law forming corporation	<input type="checkbox"/>	<input type="checkbox"/>
b. Proof of organization	<input type="checkbox"/>	<input type="checkbox"/>
c. Copy of Bylaws	<input type="checkbox"/>	<input type="checkbox"/>
d. Copy of resolution authorizing filing	<input type="checkbox"/>	<input type="checkbox"/>
e. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above.	<input type="checkbox"/>	<input type="checkbox"/>
<b>III - PARTNERSHIP OR OTHER UNINCORPORATED ENTITY</b>		
a. Articles of association, if any	<input type="checkbox"/>	<input type="checkbox"/>
b. If one partner is authorized to sign, resolution authorizing action is	<input type="checkbox"/>	<input type="checkbox"/>
c. Name and address of each participant, partner, association, or other	<input type="checkbox"/>	<input type="checkbox"/>
d. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above.	<input type="checkbox"/>	<input type="checkbox"/>

\* If the required information is already filed with the agency processing this application and is current, check block entitled "Filed." Provide the file identification information (e.g., *number, date, code, name*). If not on file or current, attach the requested information.

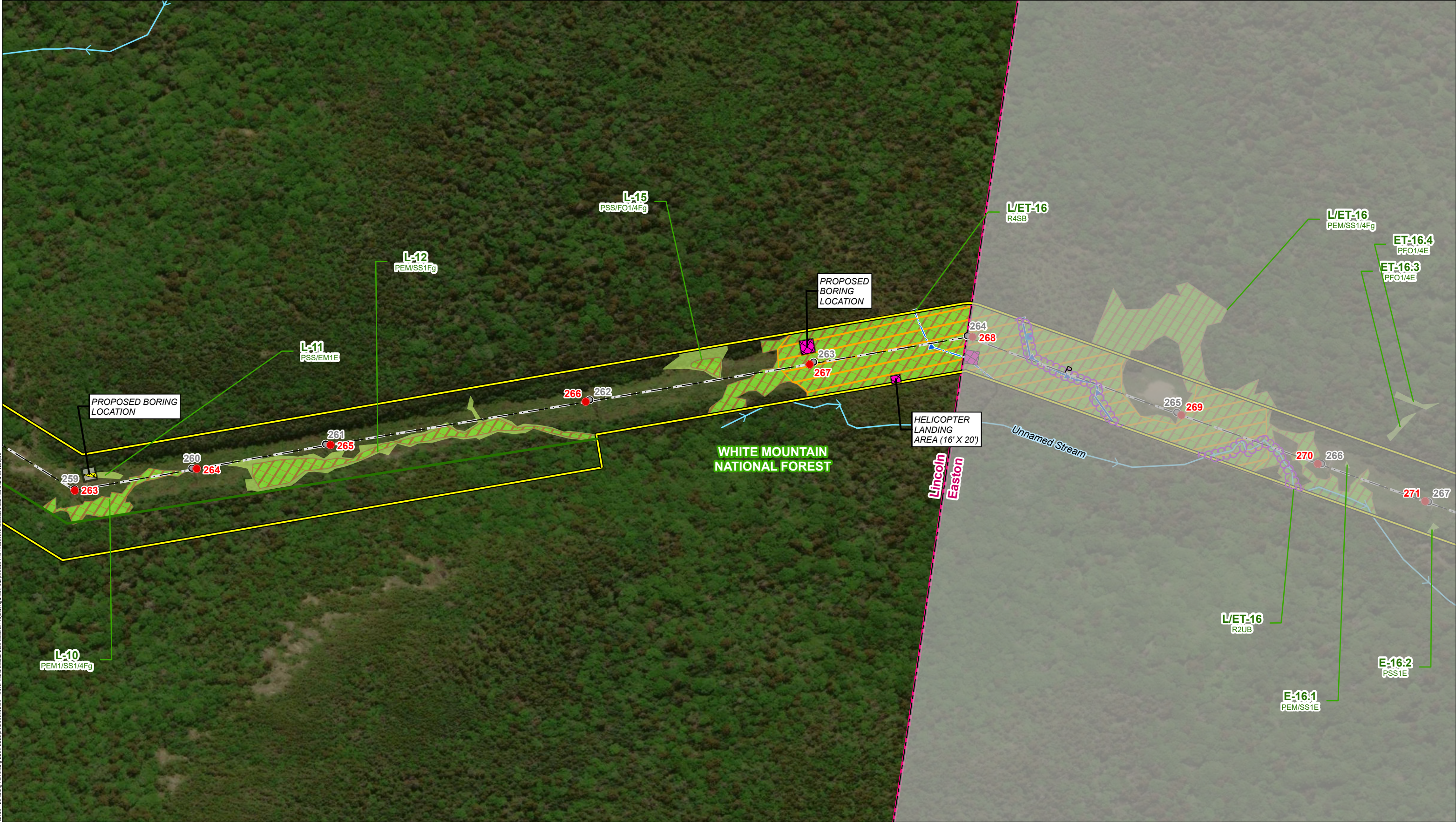












**INDEX MAP**

**LEGEND**

GATE

EXISTING CULVERT

PROPOSED STRUCTURES

STRUCTURE TO BE REMOVED

EXISTING STRUCTURE

EXTENT OF WETLAND DELINEATION

STONEWALL

CONFIRMED VERNAL POOL

POTENTIAL VERNAL POOL - NONE IN WMNF

TURTLE OVERWINTERING HABITAT

APPROX. TEMPORARY MATTING IN VPD SOILS

APPROX. TEMPORARY MATTING IN PD SOILS

WORK PAD

WHITE MOUNTAIN NATIONAL FOREST BOUNDARY

TRANSMISSION LINE

TRANSMISSION LINE ROW

DELINEATED PERENNIAL STREAM

DELINEATED INTERMITTENT STREAM

NHD FLOWLINES

TOWN BOUNDARY

WETLANDS ADJACENT TO T3+ STREAM

FIELD OBSERVED PEATLAND HABITAT

VERY POORLY DRAINED SOILS

DELINEATED WETLAND

OPEN WATER WETLAND

APPROXIMATE WETLAND AREA

PEATLAND HABITAT

1 in = 200 ft

This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.

NO.		DATE	REVISIONS

**EVERSOURCE**  
ENERGY

**X178-2 Transmission Line Rebuild and OPGW Project**

**Geotechnical Boring Plan Set**

Lincoln, NH

Date: January 14, 2025

04.0191410.39

MAP SHEET

**3 OF 3**



© 2025 - GZA GeoEnvironmental, Inc. P:\04 Jobs\0191400s\04.0191410.00 - EE Siting Permitting 2019-2022\04.0191410.39 - X178 Transmission Line Rebuild Project\Figures\MXD\ArcGIS Pro Files\X178 Geotechnical Plans and SPNs.aprx - 1/9/2025, 11:27 AM, sydney.wicklund

NEW HAMPSHIRE FISH AND GAME RELATED AOT PERMIT CONDITIONS IN ACCORDANCE WITH ENV-WQ 1504.18 – WILDLIFE PROTECTION NOTES

NHB24-3175 (LINCOLN) AND NHB24-3176 (EASTON)


NEW HAMPSHIRE FISH AND GAME PERMIT CONDITIONS:

1. ALL WORK (INCLUDING MOBILIZATION AND DEMOBILIZATION) SHALL OCCUR FROM DECEMBER 15TH – MARCH 15TH.
2. SEDGE DARNER (SPECIAL CONCERN) OCCUR WITHIN THE VICINITY OF THE PROJECT AREA.  
-THIS SPECIES IS KNOWN TO OCCUR IN HIGHER LATITUDES AND HIGH ELEVATION ENVIRONMENTS WITH PONDS, BOGS, MARSHES AND FENS. THE PROPOSED WORK AREAS BETWEEN STRUCTURES 246 – 258, AND STRUCTURES 263 – 266 CONTAIN SUITABLE HABITAT FOR THE SEDGE DARNER. THIS SPECIES HAS BEEN DOCUMENTED WITHIN THE PROJECT AREA IN THE VICINITY OF BOG POND/ELIZA BROOK/HARVARD BROOK (WETLAND L-1).  
-RARE SPECIES INFORMATION (E.G. IDENTIFICATION, OBSERVATION AND REPORTING OF OBSERVATIONS, WHEN TO CONTACT NHFG IMMEDIATELY AND NHFG CONTACT INFORMATION) SHALL BE POSTED ON SITE AT ALL TIMES AND COMMUNICATED DURING MORNING TAILGATE MEETINGS PRIOR TO WORK COMMENCEMENT.
3. VERNAL POOLS AND POTENTIAL VERNAL POOLS (PVP) SHALL BE FLAGGED PRIOR TO WORK, AND IMPACTS SHALL BE AVOIDED.
4. NO DISTURB VEGETATIVE BUFFERS OF 50' SHALL BE MAINTAINED AROUND VERNAL POOLS.
5. WORK PLATFORM DISTURBANCE AREAS SHALL BE MINIMIZED TO THE GREATEST EXTENT POSSIBLE.
6. ALL WORK ACTIVITIES SHALL BE RESTRICTED TO THE DEFINED ROADS, CONSTRUCTION AREAS, AND STAGING AREAS, WITH NO EQUIPMENT OR MATERIALS STAGED OR STORED OUTSIDE OF THE DEFINED AREAS AS SHOWN ON PLAN SHEETS DATED SEPTEMBER 24, 2024.
7. ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, WITH THE EXCEPTION OF TURF REINFORCEMENT MATS, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, CHECK DAMS, AND SEDIMENT TRAPS SHALL NOT CONTAIN PLASTIC, OR MULTIFILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8 INCHES; SEE PLAN SHEETS S1-S2.
8. ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES ON THE PROJECT SITE SHALL BE REPORTED IMMEDIATELY TO THE NHFG NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV, WITH THE EMAIL SUBJECT LINE CONTAINING THE NHB DATACHECK TOOL RESULTS LETTER ASSIGNED NUMBER, THE PROJECT NAME, AND THE TERM WILDLIFE SPECIES OBSERVATION.  
-PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHFG IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION, AS FEASIBLE.
9. IN THE EVENT A THREATENED OR ENDANGERED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHALL NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH NHFG AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHFG.  
-SITE OPERATORS SHALL BE ALLOWED TO RELOCATE WILDLIFE ENCOUNTERED IF DISCOVERED WITHIN THE ACTIVE WORK ZONE IF IN DIRECT HARM FROM PROJECT ACTIVITIES.  
-WILDLIFE SHALL BE RELOCATED IN CLOSE PROXIMITY TO THE CAPTURE LOCATION BUT OUTSIDE OF THE WORK ZONE AND IN THE DIRECTION THE INDIVIDUAL WAS HEADING.  
-NHFG SHALL BE CONTACTED IMMEDIATELY IF THIS ACTION OCCURS.
10. THE NHFG, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

X178-2 TRANSMISSION LINE REBUILD & OPGW PROJECT  
EASTON & LINCOLN,  
NEW HAMPSHIRE

NOTES

PREPARED BY:  <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: <b>EVERSOURCE</b> ENERGY	
PROJ MGR: CEM	REVIEWED BY: TLT	CHECKED BY: DMZ	SHEET <b>S1</b>
DESIGNED BY: LEW	DRAWN BY: SDW	SCALE:	
DATE: 01/09/2025	PROJECT NO: 04.0191410.39	REVISION NO:	



© 2025 - GZA GeoEnvironmental, Inc. P:\04Jobs\019140\04\_00 - EE Siting Permitting 2019-2022\04.0191410.00 - EE Siting Permitting 2019-2022\04.0191410.39 - X178 Transmission Line Rebuild Project\Figures\MXD\ArcGIS Pro Files\X178 Geotechnical Plans and SPNs.aprx, 1/9/2025, 2:23 PM, sydney.wicklund

**SEDGE DARNER(AESHNA JUNCEA)**  
SPECIES OF SPECIAL CONCERN




**SEDGE DARNER IDENTIFICATION**

- 1. BLACK CROSSBANDS ON HEAD AND ON BOTH FRONT AND REAR MARGINS OF LABRUM
- 2. BROWN ABDOMEN BROADLY MARKED WITH BLUE
- 3. AMONG THE LARGEST AND FASTEST FLYING DRAGONFLY IN NORTH AMERICA

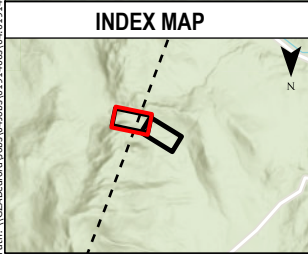
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

X-178-2 TRANSMISSION LINE REBUILD & OPGW  
LINCOLN & EASTON,  
NEW HAMPSHIRE

WILDLIFE NOTES		
PREPARED BY:  <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: <b>EVERSOURCE</b> ENERGY
PROJ MGR: CEM	REVIEWED BY: TLT	CHECKED BY: DMZ
DESIGNED BY: LEW	DRAWN BY: SDW	SCALE:
DATE: 01/09/2025	PROJECT NO. 04.0191687.05	REVISION NO.
SHEET <b>S2</b>		

\*ALL PHOTOS AND IDENTIFICATION INFORMATION COURTESY OF NATE KOHLER AND MT FIELD GUIDE.





	GATE		EXTENT OF WETLAND DELINEATION		APPROX. TEMPORARY MATTING IN PD SOILS		TRANSMISSION LINE ROW		WETLANDS ADJACENT TO T3+ STREAM		TURTLE OVERWINTERING HABITAT
	EXISTING CULVERT		CONFIRMED VERNAL POOL		WHITE MOUNTAIN NATIONAL FOREST BOUNDARY		DELINEATED PERENNIAL STREAM		FIELD OBSERVED PEATLAND HABITAT		DELINEATED WETLAND
	PROPOSED STRUCTURES		POTENTIAL VERNAL POOL - NONE IN WMNF		NH RECREATIONAL TRAILS		DELINEATED INTERMITTENT STREAM		VERY POORLY DRAINED SOILS		OPEN WATER WETLAND
	STRUCTURE TO BE REMOVED		APPROX. TEMPORARY MATTING IN VPD SOILS		TRANSMISSION LNE		NHD FLOWLINES		ARCHAEOLOGICAL SENSITIVITY AREA		APPROXIMATE WETLAND AREA
	EXISTING STRUCTURE						TOWN BOUNDARY		PEATLAND HABITAT		WORK PAD

This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.		
NO.	DATE	REVISIONS

<b>EVERSOURCE</b> ENERGY	
<b>X178-2 Transmission Line Rebuild and OPGW Project</b>	
<b>Geotechnical Boring Plan Set</b>	
Lincoln/Easton, NH	MAP SHEET
Date: January 14, 2025	1 OF 2
04.0191410.39	





Path: \\G24-Berford\Users\j040505\01914036\04.0191410.39 - X178 Transmission Line Rebuild Project\Figures\X178\ArcGIS Pro Files\X178 Geotechnical Plans and SPNs.aprx  
EE Staging Permitting 2019-2022\04.0191410.39 - X178 Transmission Line Rebuild Project\Figures\X178\ArcGIS Pro Files\X178 Geotechnical Plans and SPNs.aprx

INDEX MAP

GATE

EXISTING CULVERT

PROPOSED STRUCTURES

STRUCTURE TO BE REMOVED

EXISTING STRUCTURE

EXTENT OF WETLAND DELINEATION

CONFIRMED VERNAL POOL

POTENTIAL VERNAL POOL - NONE IN WMNF

APPROX. TEMPORARY MATTING IN VPD SOILS

APPROX. TEMPORARY MATTING IN PD SOILS

WHITE MOUNTAIN NATIONAL FOREST BOUNDARY

NH RECREATIONAL TRAILS

TRANSMISSION LNE

TRANSMISSION LINE ROW

DELINEATED PERENNIAL STREAM

DELINEATED INTERMITTENT STREAM

NHD FLOWLINES

TOWN BOUNDARY

WETLANDS ADJACENT TO T3+ STREAM

FIELD OBSERVED PEATLAND HABITAT

VERY POORLY DRAINED SOILS

ARCHAEOLOGICAL SENSITIVITY AREA

PEATLAND HABITAT

TURTLE OVERWINTERING HABITAT

DELINEATED WETLAND

OPEN WATER WETLAND

APPROXIMATE WETLAND AREA

WORK PAD

0 50 100 200 Feet

1:2,400

		This mapping product has been created to comply with submittal requirements to obtain certain regulatory approvals and, as such, there is no reliance on the information contained herein for any other purpose.		
NO.	DATE	REVISIONS		

**EVERSOURCE**  
ENERGY

**X178-2 Transmission Line Rebuild and OPGW Project**  
**Geotechnical Boring Plan Set**

Easton, NH

Date: January 14, 2025

04.0191410.39

MAP SHEET

**2 OF 2**



© 2025 - GZA GeoEnvironmental, Inc. P:\04 Jobs\0191400s\04.0191410.00 - EE Siting Permitting 2019-2022\04.0191410.39 - X178 Transmission Line Rebuild Project\Figures\MXD\ArcGIS Pro Files\X178 Geotechnical Plans and SPNs.aprx - 1/9/2025, 11:27 AM, sydney.wicklund

NEW HAMPSHIRE FISH AND GAME RELATED AOT PERMIT CONDITIONS IN ACCORDANCE WITH ENV-WQ 1504.18 – WILDLIFE PROTECTION NOTES

NHB24-3175 (LINCOLN) AND NHB24-3176 (EASTON)


NEW HAMPSHIRE FISH AND GAME PERMIT CONDITIONS:

1. ALL WORK (INCLUDING MOBILIZATION AND DEMOBILIZATION) SHALL OCCUR FROM DECEMBER 15TH – MARCH 15TH.
2. SEDGE DARNER (SPECIAL CONCERN) OCCUR WITHIN THE VICINITY OF THE PROJECT AREA.  
-THIS SPECIES IS KNOWN TO OCCUR IN HIGHER LATITUDES AND HIGH ELEVATION ENVIRONMENTS WITH PONDS, BOGS, MARSHES AND FENS. THE PROPOSED WORK AREAS BETWEEN STRUCTURES 246 – 258, AND STRUCTURES 263 – 266 CONTAIN SUITABLE HABITAT FOR THE SEDGE DARNER. THIS SPECIES HAS BEEN DOCUMENTED WITHIN THE PROJECT AREA IN THE VICINITY OF BOG POND/ELIZA BROOK/HARVARD BROOK (WETLAND L-1).  
-RARE SPECIES INFORMATION (E.G. IDENTIFICATION, OBSERVATION AND REPORTING OF OBSERVATIONS, WHEN TO CONTACT NHFG IMMEDIATELY AND NHFG CONTACT INFORMATION) SHALL BE POSTED ON SITE AT ALL TIMES AND COMMUNICATED DURING MORNING TAILGATE MEETINGS PRIOR TO WORK COMMENCEMENT.
3. VERNAL POOLS AND POTENTIAL VERNAL POOLS (PVP) SHALL BE FLAGGED PRIOR TO WORK, AND IMPACTS SHALL BE AVOIDED.
4. NO DISTURB VEGETATIVE BUFFERS OF 50' SHALL BE MAINTAINED AROUND VERNAL POOLS.
5. WORK PLATFORM DISTURBANCE AREAS SHALL BE MINIMIZED TO THE GREATEST EXTENT POSSIBLE.
6. ALL WORK ACTIVITIES SHALL BE RESTRICTED TO THE DEFINED ROADS, CONSTRUCTION AREAS, AND STAGING AREAS, WITH NO EQUIPMENT OR MATERIALS STAGED OR STORED OUTSIDE OF THE DEFINED AREAS AS SHOWN ON PLAN SHEETS DATED SEPTEMBER 24, 2024.
7. ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, WITH THE EXCEPTION OF TURF REINFORCEMENT MATS, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, CHECK DAMS, AND SEDIMENT TRAPS SHALL NOT CONTAIN PLASTIC, OR MULTIFILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8 INCHES; SEE PLAN SHEETS S1-S2.
8. ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES ON THE PROJECT SITE SHALL BE REPORTED IMMEDIATELY TO THE NHFG NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV, WITH THE EMAIL SUBJECT LINE CONTAINING THE NHB DATACHECK TOOL RESULTS LETTER ASSIGNED NUMBER, THE PROJECT NAME, AND THE TERM WILDLIFE SPECIES OBSERVATION.  
-PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHFG IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION, AS FEASIBLE.
9. IN THE EVENT A THREATENED OR ENDANGERED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHALL NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH NHFG AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHFG.  
-SITE OPERATORS SHALL BE ALLOWED TO RELOCATE WILDLIFE ENCOUNTERED IF DISCOVERED WITHIN THE ACTIVE WORK ZONE IF IN DIRECT HARM FROM PROJECT ACTIVITIES.  
-WILDLIFE SHALL BE RELOCATED IN CLOSE PROXIMITY TO THE CAPTURE LOCATION BUT OUTSIDE OF THE WORK ZONE AND IN THE DIRECTION THE INDIVIDUAL WAS HEADING.  
-NHFG SHALL BE CONTACTED IMMEDIATELY IF THIS ACTION OCCURS.
10. THE NHFG, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

X178-2 TRANSMISSION LINE REBUILD & OPGW PROJECT  
EASTON & LINCOLN,  
NEW HAMPSHIRE

NOTES

PREPARED BY:  <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: <b>EVERSOURCE</b> ENERGY	
PROJ MGR: CEM	REVIEWED BY: TLT	CHECKED BY: DMZ	SHEET <b>S1</b>
DESIGNED BY: LEW	DRAWN BY: SDW	SCALE:	
DATE: 01/09/2025	PROJECT NO: 04.0191410.39	REVISION NO:	

© 2025 - GZA GeoEnvironmental, Inc. P:\04Jobs\019140\04\_00 - EE Siting Permitting 2019-2022\04.0191410.00 - EE Siting Permitting 2019-2022\04.0191410.39 - X178 Transmission Line Rebuild Project\Figures\MXD\ArcGIS Pro Files\X178 Geotechnical Plans and SPNs.aprx, 1/9/2025, 2:23 PM, sydney.wicklund

**SEDGE DARNER(AESHNA JUNCEA)**  
SPECIES OF SPECIAL CONCERN




**SEDGE DARNER IDENTIFICATION**

- 1. BLACK CROSSBANDS ON HEAD AND ON BOTH FRONT AND REAR MARGINS OF LABRUM
- 2. BROWN ABDOMEN BROADLY MARKED WITH BLUE
- 3. AMONG THE LARGEST AND FASTEST FLYING DRAGONFLY IN NORTH AMERICA

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

X-178-2 TRANSMISSION LINE REBUILD & OPGW  
LINCOLN & EASTON,  
NEW HAMPSHIRE

WILDLIFE NOTES		
PREPARED BY:  <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: <b>EVERSOURCE</b> ENERGY
PROJ MGR: CEM	REVIEWED BY: TLT	CHECKED BY: DMZ
DESIGNED BY: LEW	DRAWN BY: SDW	SCALE:
DATE: 01/09/2025	PROJECT NO. 04.0191687.05	REVISION NO.
SHEET <b>S2</b>		

\*ALL PHOTOS AND IDENTIFICATION INFORMATION COURTESY OF NATE KOHLER AND MT FIELD GUIDE.