



City of Keene, New Hampshire

CONSERVATION COMMISSION

**Monday, October 18, 2021**

**4:30 PM**

**City Council Chambers**

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Commission Members

Alexander Von Plinsky, IV, Chair  
Eloise Clark, Vice Chair  
Kenneth Bergman  
Art Walker  
Andrew Madison

Councilor Robert Williams  
Brian Reilly, Alternate  
Thomas P. Haynes, Alternate  
Steven Bill, Alternate  
John Therriault, Alternate

1. Call to Order
2. Approval of Meeting Minutes – September 20, 2021
3. Applications:
  - a. Planning Board referral -- Surface Water Protection Conditional Use Permit Application - Eversource
4. Informational
  - a. Subcommittee reports
    - Outreach Subcommittee
    - Arm Fund Subcommittee
    - Greater Goose Pond Stewardship Subcommittee
5. Discussion Items
  - a. Invasive Species – see-click-fix
  - b. Summit Road/Summit Ridge Drive ponding
6. New or Other Business
7. Adjournment – Next meeting date **Monday, November 15, 2021**

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1 City of Keene  
2 New Hampshire

3  
4  
5 CONSERVATION COMMISSION  
6 MEETING MINUTES  
7

Monday, September 20, 2021

4:30 PM

Council Chambers

**Members Present:**

Alexander Von Plinsky, IV, Chair  
Eloise Clark, Vice Chair  
Councilor Robert Williams  
Councilor Andrew Madison (Arrived Late)  
Art Walker  
Ken Bergman  
Thomas Haynes, Alternate  
Brian Reilly, Alternate  
Steven Bill, Alternate (Arrived Late)  
John Therriault, Alternate

**Staff Present:**

Corinne Marcou, Administrative Assistant

**Members Not Present:**

*All Present*

8 **1) Call to Order**  
9

10 Chair Von Plinsky called the meeting to order at 4:30 PM.  
11

12 **2) Approval of Meeting Minutes – July 19, 2021**  
13

14 Councilor Williams moved to approve the minutes of July 19, 2021, which Mr. Walker seconded,  
15 and the motion passed unanimously.  
16

17 **3) Applications – None**

18 **4) Informational**

19 **A) Subcommittee Reports**

20 **i) *Outreach Subcommittee***  
21

22 Mr. Haynes reported that Mr. Bill would lead a geology walk at Goose Pond on Saturday, October  
23 23. The Subcommittee had not met to discuss winter walks yet. Vice Chair Clark continues  
24 submitting Nature Nuggets monthly.  
25  
26

27                                    **ii)    *ARM Fund Subcommittee***

28  
29    There would be no non-public session at this meeting. Regarding the City Forest idea, the Chairman  
30    had contacted the Monadnock Conservancy, who he anticipates know much more about conserving  
31    land. He had not received a response yet. He hopes to meet with them before the next meeting to get  
32    guidance on moving the idea forward.

33  
34                                    **iii)    *Goose Pond Stewardship Subcommittee [not formally agendized]***

35  
36    The group did not meet last month due to Staff limitations. The next meeting is Friday, October 8,  
37    2021, when the Subcommittee would continue prioritizing efforts at Goose Pond and continue  
38    seeking a final member of the group. They seek a community member enthusiastic about the pond  
39    and forest.

40  
41                                    **B)    *Invasive Species***

42  
43    Councilor Williams recalled success with invasive species pulls earlier in the season, and he hoped  
44    to do something else for fall, whether Japanese knotweed, burning bush, glossy buckthorn, or many  
45    others. Vice Chair Clark suggested pulling a patch of knotweed at Robinhood park on the eastern  
46    side of the pond where there is a small waterfall on the right side along the water course as you enter  
47    the woods. Councilor Williams liked the idea and said it was a good time to pull it while it is still  
48    flowering and before the plants' energy goes back into the roots for the winter, so they grow back  
49    with less energy next year. There was consensus that this was a good location, and the best timing  
50    would be the week before or after the October 18 Conservation Commission meeting. Councilor  
51    Williams would choose the time and place and email details to Ms. Marcou so she can begin  
52    advertising.

53  
54    Mr. Bergman said the week before this meeting he was riding his bike along Maple Avenue and  
55    toward the intersection with upper Court Street where the new rotary is. There is a white line that  
56    demarcates the traffic lane from the shoulder, which is paved. He tried to bike on that shoulder  
57    because of all the car traffic and the knotweed was encroaching far into shoulder and even across the  
58    white line. He has used the See Click Fix app and he said the City Staff had been very responsive  
59    and while the knotweed at this location is not as pervasive as in the park, he thought the City might  
60    address it given that it is quite accessible from the road; it is not a good location for a group of  
61    citizens. Because he sees knotweed everywhere while it is flowering, he thought the See Click Fix  
62    app could be useful to map knotweed locations; commissioners could compile lists on public  
63    properties, rights-of-way, and visible areas on private properties that have potential to spread to  
64    public property or other private properties. He is interested in creating a knotweed database as a  
65    premier invasive that could require professional chemical applications to manage it over time in  
66    some locations. Chair Von Plinsky wondered if the See Click Fix app might be a way to collect data  
67    on knotweed locations, given that Staff are so responsive to submissions, like downed trees or power  
68    lines. Even if Staff could not solve the knotweed, they would at least have a catalog of all the  
69    complaints that the Commission could use; there could be discrepancies in GPS locations between



70 phones, though they are fairly accurate today. Councilor Madison suggested discussing the idea with  
71 the Director of Public Works, Kurt Blomquist. Mr. Haynes asked that the event not be scheduled to  
72 conflict with Mr. Bill's walk at Goose Pond on October 23.

73  
74 Mr. Bill asked the importance of knotweed for pollinators. Mr. Therriault said knotweed is a large  
75 source of nectar during its two-week flowering period and non-native honeybees store that for winter  
76 in large amounts because they nest in large groups. Most other pollinators have already created their  
77 winter nests, though you would still see them using knotweed. Mr. Therriault said knotweed is not  
78 an essential source of nectar for any pollinators. All bumblebees besides the queen die before winter  
79 while she hibernates, having already mated, and she only needs a few small sources of nectar until  
80 spring. As a conservationist, he did not think the Commission should worry about knotweed removal  
81 regarding pollinators as it would not be fatal for any pollinator species.

82

83 **5) Discussion Items**

84 **A) Conservation Commission Speaking Events**

85

86 When he initiated this idea, Councilor Madison said the expectation was that people would be  
87 vaccinated and the infection rates would be lower by winter. Because that did not happen, he thought  
88 this matter should be kept on the back burner until the Commission can responsibly hold an indoor  
89 speaking event. He and the Chairman agreed that this was unfortunate but prudent.

90

91 **B) Multiyear Pollinator Census Results for Cheshire County**

92

93 Mr. Therriault received a report from Moosewood Ecological with a bee (only) census for 2015—  
94 2020 in Cheshire County, which showed 117 species from all over North America. He said this was  
95 a good starting point for a pollinator survey in a local park next year, because participants would  
96 know they were identifying one of 117 on the expected population list.

97

98 Mr. Bergman recalled that approximately 5-6 years ago, the Cheshire County Conservation District  
99 tried to establish many pollinator gardens/venues throughout the County. He said they abandoned the  
100 one they tried to set-up at Keene State College, but he imagined there were others functioning in the  
101 County. Mr. Therriault was unaware of that program and its locations, but he drives around and sees  
102 people gardening for pollinators and said there are a few established pollinator gardens in the area.  
103 Mr. Therriault spoke with the Parks, Recreation & Facilities Director, Andy Bohannon, about  
104 establishing pollinator strips on unused land at the Mountain View Cemetery but there were no plans  
105 to implement yet.

106

107 **6) New or Other Business**

108

109 Vice Chair Clark reported that she is a member of the Ashuelot River Local Advisory Committee  
110 (ARLAC), which is updating its Corridor Management Plan that was last written in 2006. Her task  
111 was to inform the Commission about the process that would occur in every town along 60 miles of  
112 the Ashuelot River in the 1/4-mile corridor on either side of the riverbanks, which includes some

113 urban areas in Keene that are not under shoreline protection. ARLAC is trying to enlist help from  
114 Antioch University and other naturalists like Vice Chair Clark to document the natural resource  
115 conditions, resource use, and any threats in the corridor impinging upon the river itself and affecting  
116 water quality, as well as any conflicts that might arise between resource protection and development.  
117 ARLAC would meet again on September 21. At some point, Vice Chair Clark would solicit the help  
118 of the Commission, possibly through a questionnaire that elicits the Commissioners' diverse  
119 knowledge of the corridor. ARLAC is still determining how to conduct the inventory. Mr. Bill asked  
120 who would gather the data and Vice Chair Clark said the ARLAC representatives from each town;  
121 she represents Keene. Councilor Madison asked if there was a consultant drafting the plan. Vice  
122 Chair Clark said that concurrently, the State is doing a resource inventory of the Ashuelot River  
123 waters and ARLAC would receive that data. ARLAC is responsible for what happens on the  
124 shorelines, the visible things such as erosion or a pipe emitting something toxic, for example. She  
125 thinks it is doable for a layperson to follow stopping points and check the resources. The Chairman  
126 read the 2006 plan and asked if there would be an assessment of progress since 2006. Vice Chair  
127 Clark said yes and someone from Southwest Regional Planning Commission is writing a grant for  
128 ARLAC that would pull together a lot of data, so there would be professional help at the end.  
129 Additionally, there is summer (4-month) water quality monitoring data available since 2001 that  
130 should be interesting. In response to Councilor Madison, Vice Chair Clark how the data was  
131 distributed from the Department of Environmental Services, but she would get him that information;  
132 they just finished the season, and she could send the results to everyone. Vice Chair Clark thinks  
133 Councilor Madison would have great input on the data.

134  
135 The Chairman reminded everyone of the Source to Sea Cleanup event with meeting points at  
136 Ashuelot Park on September 24, at Beaver Brook on September 25, and in Winchester on September  
137 26. He said it was helpful to have waders or a kayak/canoe, but people can also haul trash away from  
138 the shore and cleanup the shoreline.

139  
140 On October 2, Mr. Therriault would be acquiring a lot of native lupine starts from Deerfield, MA  
141 that would be ready for planting the following week. Because of the Commission's focus on Goose  
142 Pond, he wanted a small patch planted there along a pine grove. Other suggestions for planting  
143 locations included the Airport property, where the Airport Director and crews have been amenable to  
144 mowing exceptions to allow specific plantings and conditions for the Caterpillar Lab's work. The  
145 location is coming from RT-32 to Airport Road along the left before the terminal in a grassy field  
146 outside the Airport fence, where there is a utility road along a pine grove; the grassy/sandy area is  
147 approximately 50 feet from the pine edge. Mr. Therriault would look at the area and speak to the  
148 Airport Director. Because knotweed must be pulled every year to keep it under control, Mr.  
149 Therriault did not recommend planting the lupine at Robinhood Park where the knotweed pull would  
150 disturb the ground.

151  
152 Mr. Bergman requested institutional knowledge from Mr. Lamb at the next meeting about an area he  
153 visits periodically in NW Keene on Summit Ridge Road, which connects Summit Road with the  
154 Skyline Drive area. There is an area not too far from Summit Road that floods regularly; there is a  
155 pond on the south side with ducks and other animals frequent and on the other side, it looks like

156 wetland vegetation. The road is frequently flooded after heavy rains. He wondered about the  
157 wetlands considerations when that was paved, which he thought was at least 15 years ago. He  
158 wondered if there was a history of wetlands issues evaluated at that site before or after it was paved.  
159 The discussion could continue next month.

160

161 7) **Adjournment – Next Meeting Date: Monday, October 18, 2021**

162

163 There being no further business, Chair Von Plinsky adjourned the meeting at 5:06 PM.

164

165 Respectfully submitted by,  
166 Katie Kibler, Minute Taker  
167 September 21, 2021

168

169 Reviewed and edited by,  
170 Corinne Marcou, Administrative Assistant



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5 Commerce Park North  
Suite 201  
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F: 603.624.9463  
www.gza.com



September 14, 2021  
File No. 04.0190507.66

City of Keene  
Planning Board  
Attn: Pamela Russell Slack, Chair  
3 Washington Street  
Keene, New Hampshire 03431

Re: Conditional Use Permit Application  
Eversource Energy  
2021 W110 Distribution Line Structure Replacement Project  
Keene, New Hampshire

Dear Chair Russell Slack:

This letter transmits a Conditional Use Permit Application on behalf of Public Service Company of New Hampshire doing business as Eversource Energy (Eversource), for the W110 Distribution Line Structure Replacement Project (see attached **Figure 1, Locus Plan**). On behalf of Eversource, GZA GeoEnvironmental, Inc. (GZA) is requesting consideration of a Conditional Use Permit Application for required wetland and upland buffer impacts within the City of Keene Surface Water Protection Overlay District.

The proposed project includes the replacement of two existing utility structures along the existing W110 Distribution Line in Keene, New Hampshire. The subject section of W110 Distribution Line ROW has a width of approximately 100 feet. The Site is located in a primarily forested rural area of Keene, although the ROW is cleared. Natural cover within the ROW includes upland shrublands and wetland emergent and scrub-shrub habitats.

The proposed project requires approximately 1,849 sq. ft. of temporary wetland impact in Wetland KW-1 and approximately 4,764 sq. ft. of temporary buffer impact in uplands for access and work pad placement. See **Figure 3 – Access and Permitting Plans** for a depiction of the proposed project and wetland buffer impacts.

The proposed project is necessary in order to support current and future electricity demands in the region. The structure replacements were selected based on inspection of the distribution line. It was determined that these structures contain defects must be replaced in order to meet current electrical



standards. The existing wood structures will be replaced with weathered steel structures in order to increase the long-term reliability of the line. There are no proposed expansions to the ROW or construction of new lines associated with this project.

Wetlands were delineated by GZA in August 2021 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. At the time of delineation GZA also photographed resources and recorded data relevant to functions and values provided by these natural resources within the right-of-way (ROW) utilizing the U.S. Army Corps of Engineers Highway Methodology. GZA classified wetlands in accordance with the "Classification of Wetlands and Deepwater Habitats of United States" (Federal Geographic Committee, 2013). The area of evaluation included approximately 0.5 miles of ROW.

In accordance with Article 11 of the Keene Land Use Code, a conditional use permit (CUP) issued by the Planning Board shall be required for a proposed use listed in Article 11.6.1 when the proposed use is located on land within the Surface Water Overlay Protection District. The proposed W110 Distribution Line Replacement Project includes the installation of replacement structures and creation and/or improvement of existing dirt/gravel access roads and work pads in the Surface Water Overlay Protection District, and would thus fall under 11.6.1 (a)(1) "*Construction of a new structure or expansion of an existing structure that expands the footprint of that structure within the Surface Water Protection Overlay District,*" and 11.6.1 (a)(3) "*Construction of new roads, driveways for non-residential uses, and parking lots within the Surface Water Protection Overlay District.*" In accordance with the Surface Water Protection Conditional Use Permit (SWP CUP) Application form, the following criteria are addressed below.

- A. ***Why proposed use or activity cannot be placed outside of Overlay District.*** The proposed work area is located within the existing cleared W110 Distribution Line ROW, which is generally bordered by mature forest communities and residential properties. Due to these site constraints and existing structure locations, some travel through and work pad placement in the Surface Water Overlay District is required. Wherever possible, structure replacements, work pads, and access roads are proposed to be outside of wetlands.
- B. ***How encroachment into buffer zone has been minimized to maximum extent possible.*** The project area is an existing ROW and therefore there are inherent limitations to significant changes in work locations. However, Eversource and the project team analyzed alternative structure replacement locations and access routes in order to minimize buffer impacts to the extent practicable. Where possible, access is designed at existing trails in the ROW. To the extent practicable, buffer zone impacts were avoided by a careful design of the project. Proposed access was specifically sited to cross the narrowest possible area of wetland KW-1. Best Management Practices (BMP) will be implemented along work areas in the ROW to reduce/limit potential effects.
- C. ***How proposed use was designed to avoid adverse impacts to surface water resources.*** The least impacting alternative is to utilize the existing Eversource ROW to the greatest extent possible, which was accomplished by utilizing an existing ROW. The project has been designed to utilize existing access routes along the ROW, where possible, to prevent impacts to wetlands. Where temporary wetland impacts are proposed, the contractor will use wetland matting to minimize impacts.



Disturbed wetland and upland areas will be graded and seeded with an appropriate native seed mix, as necessary. The utility structures have been sited to avoid direct impacts to wetlands to the extent practicable.

- D. *How the buffer will be maintained in a natural state.*** The proposed project will maintain the natural state of surface water buffers to the extent practicable. The majority of proposed impact is temporary, and permanent impact is limited to a small area associated with the installation of a utility structure, which is a replacement structure. The access road installed within the surface water buffer shall be restored by removing gravel temporarily placed for access and work pads. In addition, existing topsoil will be regraded to original contours to the greatest extent practicable. Seed and mulch will be applied to promote vegetation growth of disturbed areas. During construction, appropriate perimeter controls (straw wattle, silt fence, etc.) will be implemented. In addition, best management practices such as stabilized construction entrances, check dams, water bars, sediment traps, and restoration methods such as seeding with native seed mixes, and mulching, as necessary, will be utilized to prevent sedimentation to surface waters and wetlands within the project area, and promote soil stabilization.
- E. *Whether or not the encroachment result in an adverse impact on the surface water resource.*** The project area is located in the Middle Ashuelot River watershed. Wetland KW-1 is part of a larger scrub-shrub and scrub-shrub/emergent system that generally drains in an east/northeasterly direction. Upon review of current National Wetland Inventory (NWI) and National Hydrography Datasets (NHD), and review of field conditions, Wetland KW-1 does not contain any intermittent or perennial watercourses or other named surface waters on Site.

Based on a wetland function-value assessment using the Highway Methodology, the wetland provides floodflow alteration, sediment/toxicant retention, nutrient removal, production export, and wildlife habitat as principal functions. As previously mentioned, access and work pads within the wetland and surrounding wetland buffer are temporary and will be restored upon completion of work. As a result, it is not anticipated that the proposed work will significantly affect the existing functions of this wetland system. Erosion and sediment controls will be installed prior to the start of work, and maintained during construction, to prevent sedimentation into the wetland.

The buffers in the proposed work area are located within the existing cleared Eversource ROW and are scrub-shrub/early successional dominated due to vegetation maintenance practices. This cover type provides wildlife habitat for a variety of early to mid-successional bird, mammal, amphibian, and reptile species. The project is not converting any large cover type areas and is in an existing maintained ROW. In addition, the project is designed to avoid impacts to a potential vernal pool. As a result, the project is not expected to impact wildlife utilization in the larger landscape. The ROW will continue to provide early to mid-successional habitat to a variety of wildlife. Early successional habitat provides important breeding, foraging, and overwintering habitat to a variety of declining songbird species. As a result, the ROW will continue to provide important habitat components. The Natural Heritage Bureau (NHB) determined that there are no NHB records of rare wildlife, plant, and/or natural communities present in the vicinity of the W110 ROW. Accordingly, is not anticipated that there will be impacts as a result of the proposed structure replacement project.



September 14, 2021

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W110 Distribution Line Structure Replacement

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The project will include New Hampshire Fish and Game Department (NHFG) recommended rare species BMPs as a precautionary measure. Prior to daily construction activities, timber matting will be reviewed by work crews and observed turtles and snakes will be safely relocated out of the active work zone. Observed turtles and snakes will be moved off of construction access roads to limit and prevent mortality to turtles and snakes during construction. Erosion control matting, if utilized, will consist of jute matting. Matting with plastic mesh will be avoided to limit unintentional mortality to snakes.

If you have additional questions, please contact Ms. Lindsey White at 603-232-8753 or at [lindsey.white@gza.com](mailto:lindsey.white@gza.com).

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Handwritten signature of Lindsey White in black ink.

Lindsey White, WSA, SSA  
Project Manager

Handwritten signature of Deborah M. Zarta Gier in black ink.

Deborah M. Zarta Gier, CNRP  
Consultant/Reviewer

Handwritten signature of Tracy L. Tarr in black ink.

Tracy L. Tarr, CWS, CESSWI  
Associate Principal

LEW/TLT/DMZ

P:\04\JOBS\0190500S\04.0190507.00 EVERSOURCE MSA\04.0190507.66 - 2018-2019 ON-CALL SERVICES UTILITY MAINTENANCE\WORK\W110 DISTRIBUTION LINE\KEENE CUP\RAFT W110 STRUCTURE REPLACEMENTS KEENE CUP NARRATIVE 082721.DOCX

Attachments: Conditional Use Permit Application Form  
List of Abutters  
Photo Log  
Figure 1 – Locus Plan  
Figure 2 – Access and Permitting Plans  
Application Fee



## **Conditional Use Permit Application Form**



# CITY OF KEENE PLANNING BOARD

Department File# \_\_\_\_\_

Received \_\_\_\_\_

## Surface Water Protection Conditional Use Permit (SWP CUP) Application To be used when project also requires Site Plan Review

Please fill out entire application

### Section One: Project

Tax Map Parcel # 236 - 005 - 000 - 000 - \_\_\_\_\_

Existing Zoning: \_\_\_\_\_

#### Project:

Name \_\_\_\_\_

Address \_\_\_\_\_

### Section Two: Contact Information

#### Owner:

Name \_\_\_\_\_ Signature Ashley Ruprecht

Name \_\_\_\_\_ Signature \_\_\_\_\_

Address \_\_\_\_\_

Phone (day) (\_\_\_\_) \_\_\_\_\_ (Fax) (\_\_\_\_) \_\_\_\_\_

Date 9/14/2021

#### Applicant/Agent:

Name \_\_\_\_\_ Signature Lindsey White

Address \_\_\_\_\_

Phone: (day) (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_ Date 9/14/2021

#### Surveyor/Planner/Engineer:

Name \_\_\_\_\_ Signature \_\_\_\_\_

Address \_\_\_\_\_

Phone: (day) (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_ Date: \_\_\_\_\_

### Section Three: Required items included with this submittal

- 2 Copies of the application.
- 1 Copy of Notarized abutters list required as part of the Site Plan Review Application, including Name, Address, and Tax Map # of owner, agent, and all abutters within 200 feet.
- 7 Copies of the scaled and dimensioned plot plan of the property, showing existing conditions and proposed changes, detailing all the relevant features of the site including surface waters and buffer zones.
- 2 Copies of the plan reduced to 8½ x 11 inches.
- 2 Copies of the written narrative that includes all information outlined in Section 4.
- 3 Copies of wetland delineation reports completed by a NH Certified Wetland Scientist including location, area, and limits of all surface waters and associated buffers (9 copies for the Planning Board may be required after staff review).
- 2 Copies other reports: \_\_\_\_\_

### Section Four: Conditional Use Permit Criteria

All applicants must comply with the standards of Section 102-1480 Surface Water Protection of the Keene Zoning Ordinance (Please refer to the Keene Zoning Ordinance for a full description.). All applicants *must* submit documentation that supports the following:

Documentation of proposed mitigation measures, including details of how mitigation has been designed to prevent adverse impacts to surface water resources

Disclosure of any State or Federal Permits needed in addition to CUP requirements

#### Written narrative explaining:

Why proposed use or activity cannot be placed outside of Overlay District

How encroachment into buffer zone has been minimized to maximum extent possible

How proposed use was designed to avoid adverse impacts to surface water resources

How the buffer will be maintained in natural state

Location and connectivity of surface water in relation to surrounding watershed

Extent to which buffer serves as wildlife habitat

Please note that the submittal of this signed application grants members of the Planning Board and City employees to access the project site for matters related to site plan and conditional use permit review from the time of application submittal to the time of the final decision rendered by the Planning Board.

## CITY OF KEENE PLANNING BOARD FEES

### SITE PLAN APPLICATION

❖ Advice & Comment	\$25.00
❖ Formal Review	\$250.00 + \$0.05 per sq. ft. of new construction
❖ Request for Modifications to an approved Site Plan	\$250.00 + \$0.05 per sq. ft. of new construction
❖ Request to extend expiration of conditionally approved Site Plan	\$25.00 for 1st request, \$50 for each request thereafter
❖ Postage for Certified mail	Current USPS certified mail rate
❖ Printing fee for legal ad in newspaper	\$25

### SUBDIVISION APPLICATION

❖ Advice & Comment	\$25.00
❖ Formal Review	\$200.00 + \$100.00 per lot
❖ Formal Review for Boundary Line Adjustment	\$100.00 + \$20.00 per lot
❖ Boundary Line Survey (RSA 676:18)	\$25.00
❖ Request to extend expiration of conditionally approved Subdivision	\$25.00 for 1st request, \$50 for each request thereafter
❖ Postage for certified mail	Current USPS certified mail rate
❖ Printing fee for legal ad in newspaper	\$25
❖ Filing mylar with Cheshire County Registry of Deeds made payable to <u>Cheshire County Registry of Deeds</u> . Due after approval when mylar and paper copies are submitted.	Cheshire County Registry of Deeds Fee (Includes LCHIP fee)

### ADMINISTRATIVE REVIEW

❖ Administrative Review - Minor Projects & Minor Modifications	\$125
---	-------

### CONDITIONAL USE PERMIT (CUP) APPLICATION

❖ Telecommunication CUP	\$300.00	\$4.28/abutter per call with Tara Kessler on 9/7/2021 (9 abutters)
❖ Accessory Dwelling CUP	\$100.00	
❖ Hillside CUP	\$100.00	
❖ Surface Water Buffer CUP	\$100.00	
❖ Conservation Residential Development CUP	\$200.00 + \$100.00 per lot	
❖ Postage for certified mail	Current USPS certified mail rate	
❖ Printing fee for legal ad in newspaper	\$25	
	<b>Total = \$163.52</b>	

### DRIVEWAY-CURB CUT APPLICATION

❖ New Driveway Curb-Cut	\$50.00
❖ Expansion of existing Driveway Curb-Cut	\$50.00

### VOLUNTARY MERGER APPLICATION

❖ Application Fee	\$50.00
❖ Recording fee	Cheshire County Registry of Deeds Fee

#### Notes:

- ❖ 1) All abutter mailing costs, legal notifications and recording fees are to be paid by the applicant.
- ❖ 2) All fees are requested in a check made payable to The City Of Keene, **except for recording fees** which should be made out to the Cheshire County Registry of Deeds.

**May 22, 2017 Revisions to Planning Board Fee Schedule:**

- Removed "Design Review" from Site Plan Application and Subdivision Application Fees
- Amended fee for "Formal Review under Site Plan Application" to be "\$250 + \$0.05 per sf of new construction" from "\$250+ \$5 per 100 sf of new construction"
- Amended fee for "Request for Modification to an Approved Site Plan Formal Review" to be "\$250 + \$0.05 per sf of new construction" from "\$100"
- Removed fee for "Request for Waiver of Full Site Plan Review"
- Added "for 1st request, \$50 for each request thereafter" to the fee for "Request to Extend Expiration of Conditionally Approved Site Plan"
- Amended "Printing Fee for Legal Ad in Newspaper" to \$25 from \$9
- Removed the fee for "Request for Modification to an Approved Subdivision"
- Added "for 1st request, \$50 for each request thereafter" to the fee for "Request to Extend Expiration of Conditionally Approved Subdivision"
- Amended fee for "Filing Mylar with Cheshire County Registry of Deeds" to be "Cheshire County Registry of Deeds Fee" from "\$51.00 per mylar"
- Amended fee for "Administrative Review" to be "\$125" from "\$50"
- Amended fee for "Telecommunication CUP" to be "\$300" from "\$200"
- Added fee for "Hillside CUP" of "\$100"
- Added fee for "Surface Water Buffer CUP" of "\$100"
- Amended fee for "Conservation Residential Development CUP" to be "\$200+\$100 per lot" from "\$150+\$100/lot or dwelling unit whichever is greater"
- Amended fee for "Voluntary Merger Application" to be "\$50.00" from "\$25.00"



**Notarized Statement**

I, the undersigned Deborah Zarta Gier, (PRINTED NAME) swear that to the best of my knowledge, the above is an accurate and complete abutters list.

Deborah M. Zarta Gier

Signature

New Hampshire; Hillsborough ~~Cheshire~~ County:

Subscribed and sworn before me this 14<sup>th</sup> day of September, 2021

Jennifer A. Fisher  
New Hampshire Notary Public





## List of Abutters



**W110 Distribution Line Structure Replacement Project  
Eversource Energy  
Abutters List  
Keene, New Hampshire**

**Wetland Scientist**

GZA GeoEnvironmental, Inc.  
Attn: James Long, CWS #007  
5 Commerce Park North, Suite 201  
Bedford, NH 03110

**Owner/Applicant**

Eversource Energy (a.k.a. PSNH)  
PO Box 270  
Hartford, CT 06141

**KEENE**

**Map 236, Lot 5**

John M. Zwierzchowski  
417 Chesterfield Road  
Keene, NH 03431

**Map 236, Lots 8 & 9**

Johnson, Gary & Sharon Trust  
48 Park Avenue  
Keene, NH 03431

**Map 244, Lot 13**

James E Roberston  
Gail H Robertson  
95 Wyman Road, Unit 4206  
Keene, NH 03431

**Map 236, Lot 4**

Brown, Nealon E. Jr.  
Taylor, Chelsea C.  
408 Chesterfield Road  
Keene, NH 03431

**Map 236, Lot 6**

Butler, Curtis J.  
Robinson, Antonina E.  
411 Chesterfield Road  
Keene, NH 03431

**WESTMORELAND**

**Map R5, Lot 17**

Bergeron 2021 Trust  
Marguerete L Bergeron, Trustee  
99 Cady Lane  
Spofford, NH 03462

**CHESTERFIELD**

**Map 8, Lot B1 & B3**

Bergeron 2021 Trust  
Marguerete L Bergeron, Trustee  
99 Cady Lane  
Spofford, NH 03462





## Photo Log

**PHOTO LOG**  
**W110 Distribution Line Structure Replacement Project**  
**Keene, New Hampshire**  
**Photos Taken: August 23, 2021**



Photograph No. 1: Looking northwesterly at W110 Structure 2/176 (left) and existing access from Chesterfield Road (right).



Photograph No. 2: Looking westerly at proposed access route (right) and W110 Structure 2/177 (left).



**PHOTO LOG**  
**W110 Distribution Line Structure Replacement Project**  
**Keene, New Hampshire**  
**Photos Taken: August 23, 2021**



Photograph No. 3: Looking easterly at W110 Structure 2/178 to be replaced.



Photograph No. 4: Looking southwesterly at Wetland KW-1 and W110 Structure 2/179 to be replaced.



**PHOTO LOG**  
**W110 Distribution Line Structure Replacement Project**  
**Keene, New Hampshire**  
**Photos Taken: August 23, 2021**



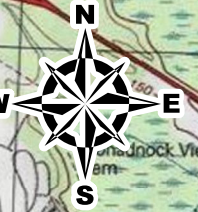
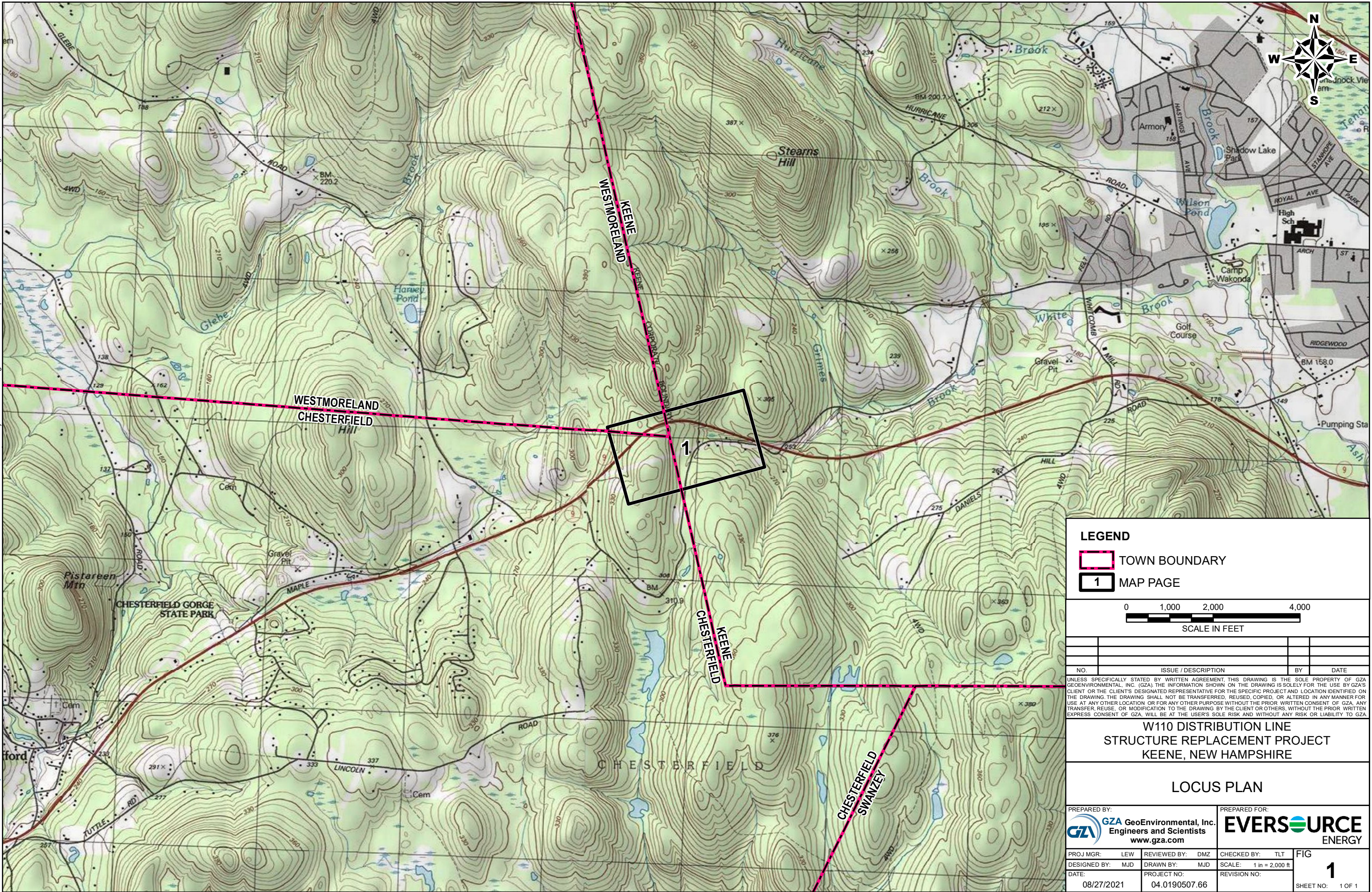
Photograph No. 5: Looking easterly at the potential vernal pool within Wetland KW-1. The project proposes to avoid impacts to this feature.



**Figure 1 – Locus Plan**



© 2021 - GZA GeoEnvironmental, Inc. P:\04\jobs\0190507\00 Eversource MSA\04\_0190507\_00 Eversource Utility Maintenance\Figures\W110 Locus.mxd, August 27, 2021 - 2:03:08 PM, matthew.deane



**LEGEND**

- TOWN BOUNDARY
- MAP PAGE



NO.	ISSUE / DESCRIPTION	BY	DATE

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.

**W110 DISTRIBUTION LINE  
STRUCTURE REPLACEMENT PROJECT  
KEENE, NEW HAMPSHIRE**

**LOCUS PLAN**

PREPARED BY: <b>GZA GeoEnvironmental, Inc.</b> Engineers and Scientists <a href="http://www.gza.com">www.gza.com</a>		PREPARED FOR: <b>EVERSOURCE ENERGY</b>	
PROJ MGR: LEW	REVIEWED BY: DMZ	CHECKED BY: TLT	FIG: 1
DESIGNED BY: MJD	DRAWN BY: MJD	SCALE: 1 in = 2,000 ft	<b>1</b>
DATE: 08/27/2021	PROJECT NO: 04.0190507.66	REVISION NO:	



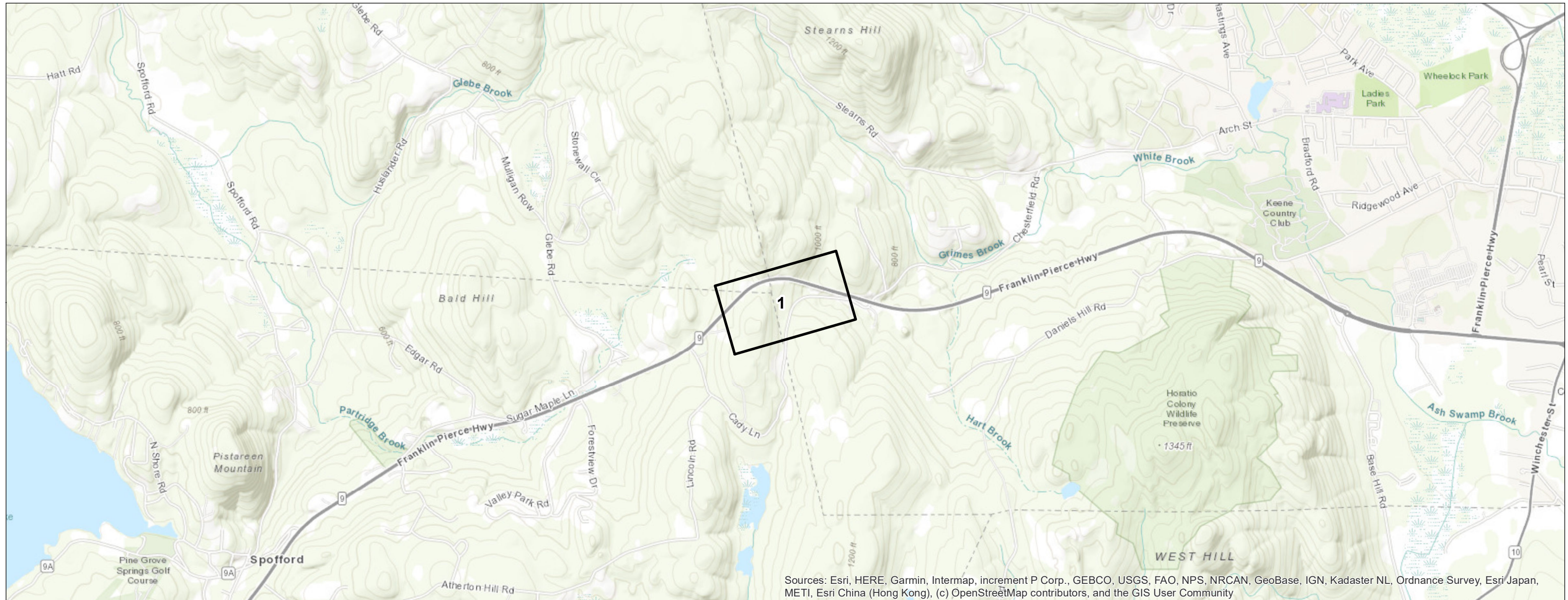


**Figure 2 – Access and Permitting Plans**

# W110 Distribution Line Structure Replacement Project

## KEENE, NEW HAMPSHIRE Environmental Permitting Planset

Date: September 09, 2021

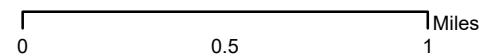


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

PREPARED FOR:



13 Legends Drive  
Hooksett, NH 03106



### INDEX OF FIGURES

Title Sheet / Index Map  
Map Sheet 1  
Note Sheets 1-2

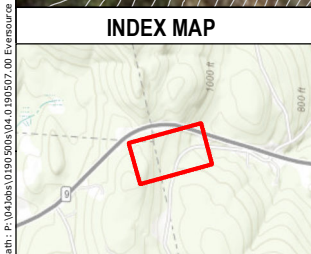
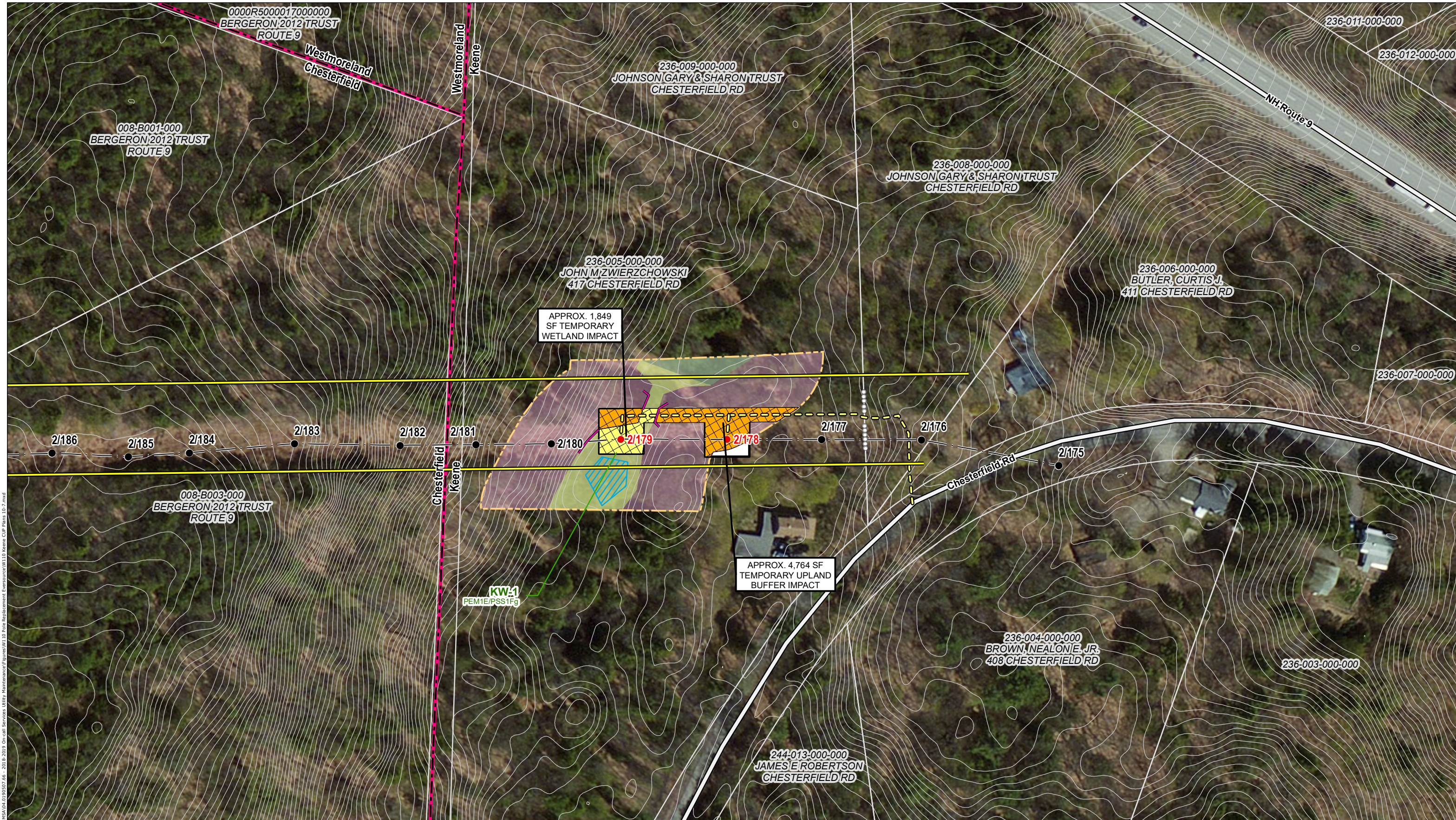
NO.	DATE	REVISIONS

PREPARED BY:



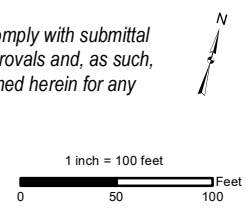
**GZA** GeoEnvironmental, Inc.  
Engineers and Scientists  
[www.gza.com](http://www.gza.com)





- EXISTING STRUCTURE
- STRUCTURE TO BE REPLACED
- EROSION/SEDIMENT CONTROLS
- APPROXIMATE ROW
- ○ ○ ○ ○ STONE WALL
- PROPOSED ACCESS
- NH DOT ROADS
- W110 DISTRIBUTION LINE
- TEMPORARY WETLAND IMPACT AREA
- KEENE 75-FT BUFFER IMPACT AREA
- WORK PAD
- POTENTIAL VERNAL POOL
- KEENE WETLAND BUFFER
- TOWN BOUNDARY
- PARCEL BOUNDARY
- 2-FT CONTOURS
- APPROXIMATED WETLAND AREA
- FIELD DELINEATED WETLAND
- KEENE WETLAND BUFFER

*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**

**W110 Distribution Line Structure Replacement**

KEENE, NH	MAP SHEET
Date: September, 2021	
<b>1 OF 1</b>	

Path: P:\Jobs\191905\191905.dwg, E:\source\191905\191905.dwg, 2012-2019 On-call Services Utility Maintenance\Projects\191905\191905.dwg, W110 Keene CIP Plans 10-7.mxd



**CONSTRUCTION SEQUENCE:**

1. WETLAND BOUNDARIES TO BE CLEARLY MARKED PRIOR TO THE START OF CONSTRUCTION.
2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL PROVIDED, AS NECESSARY, AND CONSISTENT WITH THE NHDES MARCH 2019 BMP MANUAL FOR UTILITY MAINTENANCE.
3. WETLAND IMPACTS ASSOCIATED WITH WETLAND CROSSINGS ARE REQUIRED FOR ACCESS BETWEEN STRUCTURES WITHIN THE RIGHT OF WAY.
4. ADEQUATE PRECAUTION SHALL BE EXERCISED TO AVOID SPILLAGE OF FUEL OILS, CHEMICALS, OR SIMILAR SUBSTANCES; NO FUELS, LUBRICANTS, CHEMICALS OR SIMILAR SUBSTANCES SHALL BE STORED BENEATH TREES OR IN THE VICINITY OF ANY WETLANDS, RIVER, STREAM OR OTHER BODY OF WATER; OR IN THE VICINITY OF NATURAL OR MAN-MADE CHANNELS LEADING THERETO. NO POWER EQUIPMENT SHALL BE STORED, MAINTAINED, OR FUELED IN ANY AREA ADJACENT TO A WETLAND, RIVER, STREAM OR OTHER BODY OF WATER.
5. REMOVE COMPLETELY ALL CONTAMINATION FROM ANY SPILLAGE OF CHEMICALS OR PETROLEUM PRODUCT WITH COMPLETE REHABILITATION OF THE AFFECTED AREA.
6. ACCESS ROUTES HAVE BEEN SELECTED TO PREVENT DEGRADATION OF THE RIGHT-OF-WAY AND MINIMIZE ENVIRONMENTAL IMPACT. OPERATIONS SHALL BE CONFINED TO THE SPECIFIED ACCESS ROUTES WITHIN THE PROPOSED WETLAND IMPACT AREA. ACCESS ROUTES SHALL NOT EXCEED A 16 FOOT-WIDTH.
7. IMPACT TO VEGETATION WITHIN WETLANDS WILL BE LIMITED TO THE EXTENT NECESSARY TO PLACE THE SWAMP MATS WHERE REQUIRED.
8. LOW GROWING VARIETIES OF VEGETATION ADJACENT TO WETLANDS SHALL BE PRESERVED TO THE EXTENT POSSIBLE. STUMPS AND ROCKS SHALL NOT BE REMOVED, AND THERE SHALL BE NO EXCAVATIONS, FILLS OR GRADING DONE ADJACENT TO WETLANDS, UNLESS MINOR EXCAVATIONS IS NEEDED FOR ACCESS.
9. TIMBER MATS AND PERIMETER CONTROLS WILL BE USED ALONG ACCESS ROUTES AND WORK PADS WITHIN WETLAND AREAS. THESE MATS ARE CONSTRUCTED OF HEAVY TIMBERS OR COMPOSITE MATERIAL, BOLTED TOGETHER, AND ARE PLACED END-TO-END IN THE WETLAND TO SUPPORT HEAVY EQUIPMENT. ALL SWAMP MATS SHALL BE PLACED AND REMOVED SO AS NOT TO CAUSE ANY RUTS, CHANNELS OR DEPRESSIONS, OR OTHERWISE CAUSE ANY UNDUE DISTURBANCE TO WETLANDS.
10. IF TIMBER MAT BMP IS NOT SUFFICIENT DUE TO HIGH WATER, ADDITIONAL BMP'S MAY INCLUDE THE PLACEMENT OF GEOTEXTILE FABRIC, 3"-4" STONE, AND GRAVEL TO PROVIDE A SUITABLE ROAD BED. A TEMPORARY CULVERT MAY BE REQUIRED IN AREAS OF HIGH FLOW TO MAINTAIN HYDROLOGIC CONNECTIVITY. ALL MATERIAL WILL BE REMOVED FROM JURISDICTIONAL AREAS AFTER CONSTRUCTION COMPLETION.
11. NO MATERIAL SHALL BE PLACED IN ANY LOCATION OR IN ANY MANNER SO AS TO IMPAIR SURFACE WATER FLOW INTO, THROUGH OR OUT OF ANY WETLAND AREA. NO INSTALLATION SHALL CREATE AN IMPOUNDMENT THAT WILL IMPEDE THE FLOW OF WATER OR CAUSE FLOODING.
12. NO MATERIAL SHALL BE TAKEN FROM THE WETLANDS AREA EXCEPT THAT WHICH MUST NECESSARILY BE REMOVED FOR THE STRUCTURE OR FOUNDATION PLACEMENT OR STABILIZATION. ALL EXCESS MATERIAL TAKEN FROM THE WETLAND WILL BE REMOVED FROM THE SITE.
13. ANY PROPOSED SUPPORT FILLS SHALL BE CLEAN GRAVEL AND STONE, FREE OF WASTE METAL PRODUCTS, ORGANIC MATERIALS AND SIMILAR DEBRIS AND SHALL NOT EXCEED THE AMOUNT PERMITTED. THIS ALLOWABLE FILL IS THE ONLY FILL THAT MAY REMAIN IN THE WETLAND AFTER CONSTRUCTION. ALL CUT AND FILLS SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
14. INSTALL NEW POLES IN THE LOCATIONS DESIGNATED ON THE PERMITTING PLANS.
15. CABLE INSTALLATION WILL BE PERFORMED IN A MANNER SO AS TO AVOID, OR LIMIT TO THE MAXIMUM EXTENT POSSIBLE, TRAVERSING WETLANDS WITH HEAVY EQUIPMENT. IN SOME CASES, A HELICOPTER MAY BE USED DURING THE INSTALLATION TO MINIMIZE IMPACTS.
16. REMOVAL OF THE OLD POLE WILL OCCUR ONCE THE CABLE HAS BEEN INSTALLED ON THE NEW STRUCTURE. THE OLD STRUCTURES WILL BE REMOVED FROM THE SITE. POLES WILL BE CUT AT THE GROUND SURFACE. FOOTINGS WILL BE ABANDONED IN PLACE TO MINIMIZE IMPACTS.
17. ALL TIMBER MATS, MATERIAL, AND DEBRIS WILL BE REMOVED FROM THE WORK AREA UPON THE COMPLETION OF CONSTRUCTION.
18. UPLAND DISTURBED AREAS SHALL BE RESTORED AND STABILIZED UPON COMPLETION OF CONSTRUCTION. WORK PAD RESTORATION SHOULD INCLUDE REDUCING THE WORK PAD TO A 30 BY 60 FOOT AREA, AND REDUCING SLOPES TO A MAXIMUM OF 25%. STOCKPILED MATERIAL SHOULD BE SPREAD TO REDUCE ANY UNNECESSARY SLOPES. GRAVEL WORK PADS AND SLOPES SHOULD BE SCARIFIED TO A MINIMUM OF 3" BEFORE SPREADING TOPSOIL/LOAM.
19. ALL TEMPORARY WETLAND IMPACTS WILL BE RE-GRADED TO ORIGINAL CONTOURS FOLLOWING CONSTRUCTION. NEW ENGLAND EROSION CONTROL/RESTORATION MIX, AVAILABLE THROUGH NEW ENGLAND WETLAND PLANTS, INC., 820 WEST STREET, AMHERST, MA 01002. 413-548-8000, OR EQUIVALENT SEED MIX SHALL BE APPLIED IN WETLAND AREAS THAT ARE NOT INUNDATED, AS NECESSARY.
20. MULCH USED FOR STABILIZATION SHALL CONSIST OF SEEDLESS STRAW.
21. SEDIMENT AND EROSION CONTROL MEASURES WILL BE EVALUATED AND REMOVED IF NECESSARY UPON THE COMPLETION OF CONSTRUCTION.
22. COMMERCIAL LOAM WILL NOT BE USED AS PART OF RESTORATION. ONLY IN-SITU TOPSOIL WILL BE USED TO RESTORE DISTURBED AREAS.
23. WHERE OPTIMAL TURTLE BREEDING AREAS OVERLAP WITH DISTURBANCE (AS DETERMINED BY AN ENVIRONMENTAL MONITOR), MINERAL SOILS WILL BE SCARIFIED TO ALLEVIATE COMPACTION AND BECOME MORE SUITED FOR TURTLE BREEDING.
24. NATURALLY VEGETATED LOCAL WETLAND BUFFER AREAS OUTSIDE OF EXISTING TRAILS MUST BE RESTORED UPON COMPLETION OF WORK.

**WINTER CONSTRUCTION NOTES**

1. PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED. STABILIZATION METHODS SHALL INCLUDE SEEDING AND MULCH, AND INSTALLATION OF EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE TEMPORARILY STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL (NHDOT 304.3).

**GENERAL NOTES:**

OWNER: EVERSOURCE ENERGY  
13 LEGENDS DRIVE  
HOOKSETT, NH 03106

1. BASE PLAN PROVIDED BY EVERSOURCE ENERGY. EVERSOURCE ENERGY PROVIDED THE WETLAND DATA. EVERSOURCE ENERGY PROVIDED THE UTILITY DESIGN.
2. JURISDICTIONAL WETLANDS WERE DELINEATED BY GZA GEOENVIRONMENTAL, INC. IN AUGUST 2021, IN ACCORDANCE WITH THE 1987 U.S. ARMY CORPS OF ENGINEERS' "WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1," AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH CENTRAL AND NORTHEAST REGION," JANUARY 2012.
3. GZA EVALUATED WETLANDS AS POTENTIAL VERNAL POOLS IN AUGUST 2021 IN ACCORDANCE WITH "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE," 2016, NEW HAMPSHIRE FISH AND GAME DEPARTMENT, NONGAME AND ANDANGERED WILDLIFE PROGRAM.
4. AS APPLICABLE, GZA WILL COMPLETE WETLANDS FUNCTION AND VALUES ASSESSMENT IN ACCORDANCE WITH THE ACOE'S "HIGHWAY METHODOLOGY WORKBOOK SUPPLEMENT," SEPTEMBER 1999.
5. SITE PLAN IS FOR PERMITTING PURPOSES ONLY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.
6. THE PROJECT WILL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
7. IN ACCORDANCE WITH ENV-WQ 1505.02, THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
  - A MINIMUM 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED
  - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL HAS BEEN INSTALLED
  - OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
8. IN THE EVENT THAT A RARE OR THREATENED SPECIES IS OBSERVED, THE NEW HAMPSHIRE FISH AND GAME AND NEW HAMPSHIRE NATURAL HERITAGE BUREAU WILL BE NOTIFIED. TURTLE NESTING SEASON EXTENDS FROM LATE MAY THROUGH THE BEGINNING OF JULY. IF WOOD, BLANDING'S OR SPOTTED TURTLES ARE FOUND LAYING EGGS IN THE WORK AREA, CONTACT MELISSA DOPERALSKI AT 603-271-1738 OR JOSH MEGYESY AT 603-271-1125 FOR FURTHER INSTRUCTIONS. OBSERVATIONS OF NORTHERN BLACK RACER SNAKES SEEN IN ANY AREA FROM THE END OF SEPTEMBER THROUGH THE MONTH OF APRIL MUST BE IMMEDIATELY REPORTED TO THE NHFG DEPARTMENT (BRENDAN CLIFFORD AT 603-271-0463 OR MELISSA DOPERALSKI AT 603-271-1738). IF NORTHERN BLACK RACER IS FOUND IN A WORK AREA FROM NOVEMBER THROUGH THE MONTH OF APRIL, WORK SHALL IMMEDIATELY CEASE AND THE OBSERVATION MUST BE REPORTED TO THE NHFG (BRENDAN CLIFFORD OR MELISSA DOPERALSKI).

**EROSION CONTROL NOTES:**

1. INSTALLATION OF EROSION CONTROL GRINDINGS AND/OR SILT FENCES SHALL BE COMPLETE PRIOR TO THE START OF WORK IN ANY GIVEN AREA. EROSION CONTROLS SHALL BE USED DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A HEALTHY STAND OF VEGETATION COVER. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER .25" OR GREATER RAINFALL EVENTS.
2. AS REQUIRED, CONSTRUCT TEMPORARY BERMS, SILTATION FENCES, SEDIMENT TRAPS, ETC. TO PREVENT EROSION & SEDIMENTATION OF WETLANDS.
3. THE WORK AREA SHALL BE GRADED AND OTHERWISE SHAPED IN SUCH A MANNER AS TO MINIMIZE SOIL EROSION, SILTATION OF DRAINAGE CHANNELS, DAMAGE TO EXISTING VEGETATION, AND DAMAGE TO PROPERTY OUTSIDE LIMITS OF THE WORK AREA. EROSION CONTROL GRINDINGS WILL BE NECESSARY TO ACCOMPLISH THIS END.
4. ANY STRIPPED TOPSOIL SHALL BE STOCKPILED, WITHOUT COMPACTION, AND STABILIZED WITH BMPS.
5. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS, PLANT ANNUAL RYEGRASS PRIOR TO OCTOBER 15TH.
6. EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY HALF-INCH OF RAINFALL.
7. EROSION CONTROL MATTING, IF REQUIRED, WILL CONSIST OF JUTE MATTING. MATTING WITH WELDED PLASTIC OR 'BIODEGRADABLE PLASTIC' NETTING OR THREAD WILL BE AVOIDED TO LIMIT UNINTENTIONAL MORTALITY TO SNAKES.

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**W110 DISTRIBUTION LINE STRUCTURE  
REPLACEMENT PROJECT**

KEENE  
NEW HAMPSHIRE

**NOTES**

PREPARED BY: <b>GZA GeoEnvironmental, Inc.</b> Engineers and Scientists www.gza.com		PREPARED FOR: <b>EVSOURCE ENERGY</b>	
PROJ MGR: LEW	REVIEWED BY: TLT	CHECKED BY: DMZ	SHEET  <b>1</b> <small>1 OF 2</small>
DESIGNED BY: MJD	DRAWN BY: MJD	SCALE:	
DATE: 09/02/2021	PROJECT NO: 04.0190507.66	REVISION NO.	





## **Application Fee**