

**Application for Conditional Use**  
**Conditional Uses and Buffer Reductions**  
**Section 42.19 - Conservation Overlay District**  
**City of Rochester, NH**

Date: 12/3/15

**Property information**

Tax map #: \_\_\_\_\_; Lot #'s): See attached list. Zoning district: Agricultural, Residential 1 & 2

Property address/location: Eversource ROW (Portland Street to Sandstone Avenue)

Name of project (if applicable): 340 and 386 Distribution Lines Rebuild Project

**Property owner**

Name (include name of individual): Eversource Energy - Attn: James Mayo

Mailing address: 780 North Commercial Street, Manchester, NH 03101

Telephone #: 603-634-2254 Fax \_\_\_\_\_

**Applicant/developer** (if different from property owner)

Name (include name of individual): Same as above.

Mailing address: \_\_\_\_\_

Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

**Engineer/designer**

Name (include name of individual): GZA GeoEnvironmental, Inc. - Tracy Tarr, CWS, CWB, CESSWI

Mailing address: 5 Commerce Park North, Suite 201, Bedford, NH 03110

Telephone #: 603-232-8739 Fax #: \_\_\_\_\_

Email address: tracy.tarr@gza.com Professional license #: CWS #281

**Proposed Project**

Please describe the proposed project: The proposed project includes the reconstruction of  
the 340 and 386 Distribution Lines leading from Portland Street to Sandstone Avenue in the  
existing ROW.

Please describe the existing conditions: The Site is an existing maintained ROW that contains  
three distribution lines. The corridor borders residential areas and is predominantly wetland and  
upland shrubland habitat.

*\*Please fill in **one** of the next two sections – for either Conditional Uses or Buffer Reductions\**

## **Conditional Uses**

For Conditional Uses only, justify the proposal in terms of each of the criteria below (in accordance with subsection 42.19 (i) (1) (A)). All four criteria must be satisfied.

(i) The proposed construction is essential to the productive use of land not in the COD.

The project is required to maintain the regional efficiency, safety, and reliability of the existing electrical infrastructure to maintain electrical services in the region and prevent overloads. The project is replacing existing poles in an existing ROW, and is not encroaching on new buffers or wetlands.

(ii) Design and construction methods will be such as to minimize impact upon the wetlands and will include restoration of the site consistent with the permitted use.

Matting will be used to reduce compaction in wetlands and prevent rutting from construction. Any upland soil exposed from construction will be seeded with native seed mixes and mulched to prevent erosion and promote growth. Access routes are planned along existing ATV trails where possible to limit and prevent new impacts.

(iii) There is no feasible alternative route on land controlled by the applicant that does not cross the CO District nor has less detrimental impact on the wetlands. Nothing in this Section shall limit the applicant from exploring alternatives with abutting property owners.

Eversource only has control of the ROW and the project does not include an expansion of the existing ROW. The applicant is appropriately replacing the aging infrastructure in the general footprint of the existing project. There is no alternative that can reduce impacts further in the ROW.

(iv) Economic advantage is not the sole reason for the proposed location of work.

The location of construction is determined by the location of the existing ROW and distribution lines, and not solely for an economic advantage. The project will maintain existing infrastructure and serve to prevent overloads to the system.

*(Buffer Reductions on next page)*

### Submission of application

This application must be signed by the property owner, applicant/developer (if different from property owner), and/or the agent.

*I (we) hereby submit this Conditional Use application to the City of Rochester Conservation Commission and Planning Board pursuant to the City of Rochester Zoning Ordinance and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant/developer (if different from property owner)/as agent, I attest that I am duly authorized to act in this capacity.*

Signature of property owner: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of applicant/developer: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of agent: \_\_\_\_\_

Date: \_\_\_\_\_

### Authorization to enter subject property

I hereby authorize members of the Rochester Conservation Commission and Planning Board, and other pertinent City departments, boards and agencies to enter my property for the purpose of evaluating this application including performing any appropriate inspections. This authorization applies specifically to those particular individuals legitimately involved in evaluating, reviewing, or inspecting this specific application/project. It is understood that these individuals must use all reasonable care, courtesy, and diligence when entering the property. (It is not necessary to sign this provision if a Planning Board application has been submitted.)

Signature of property owner: \_\_\_\_\_

Date: \_\_\_\_\_



Proactive by Design

GEOTECHNICAL  
ENVIRONMENTAL  
ECOLOGICAL  
WATER  
CONSTRUCTION  
MANAGEMENT

5 Commerce Park North  
Suite 201  
Bedford, NH 03110  
603.623.3600  
www.gza.com



VIA EMAIL

December 11, 2015  
File No. 04.0029840.10

City of Rochester Planning Board  
Attn: Nel Sylvain, Chair  
31 Wakefield Street  
Rochester, New Hampshire 03867

Re: Conditional Use Permit Application  
340 and 386 Distribution Lines Rebuild Project  
Utility ROW – Portland Street Substation to Sandstone Avenue  
Rochester, New Hampshire

Dear Chairman Sylvain:

This letter transmits a Conditional Use Permit (CUP) application on behalf of Eversource Energy (a.k.a. Eversource, previously known as PSNH) for proposed impacts within the Conservation Overlay District. GZA GeoEnvironmental, Inc. (GZA) has been retained by Eversource as their agent to pursue State and local permitting. Eversource is proposing to replace two existing utility lines known as the 340 and 386 Distribution Lines from the Portland Street Substation to approximately Sandstone Avenue in Rochester (see Figure 1). The project does not involve the expansion of the existing ROW or construction of new lines.

The existing 340 and 386 Distribution Lines are located in an approximate 150 to 125-foot wide ROW leading in a northwesterly direction from the Portland Street Substation on Portland Street to Sandstone Avenue, in Rochester. The two existing distribution lines are located approximately 25 feet apart from each other, with the 386 Distribution Line located on the northern edge of the ROW and the 340 line located to the south of the 386 Line. In the center of the project area, the ROW widens and encompasses the 301 Distribution Line leading to the Portland Street Substation. The corridor crosses through predominantly maintained upland shrublands and wetland scrub-shrub habitat. In total, the ROW crosses two streams, including two un-named tributaries to Wardley Brook. The line is predominantly located in a residential landscape interspersed with large undeveloped wetland areas.

The proposed project is necessary in order to support current and projected future electricity demands in Southern New Hampshire. From the Portland Street Substation, the 340 and 386 Distribution Lines eventually tie into the Rochester, North Rochester, and Tasker Farm Substations. In addition, the 32 and 371 lines (also associated with the Portland Street Substation) tie into the Somersworth and Dover Substations. At the present time, there are line and equipment overloads expected at multiple locations in this system. The Dover Substation Transformers are projected to operate at over 90% of their respective ratings in 2017. In addition, the 371 Line out of the Dover Substation is projected to operate at 99% of its normal conductor rating in 2017, which is not a desirable or safe condition. The identified solution to this projected



overload is to rebuild and reconductor the existing 386 Line between the Portland Street Substation and Sandstone Lane. Due to the age of the 340 Line, and desire to avoid additional wetland impact in the future, both aging systems are proposed to be replaced at the same time to ensure the reliability and safety of the larger distribution system in the region.

GZA delineated and classified wetlands, photographed resources, and recorded data related to functions and values provided by these natural resource areas within the ROW in the spring of 2015. In addition, as requested by the NH Natural Heritage Bureau, GZA has completed surveys for rare plants and coordinated a review by the NH Fish and Game Department for vertebrates. The wetland delineation was conducted 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 Army Corps of Engineers (ACOE). GZA performed a wetlands functions and values assessment in accordance with the ACOE's "Highway Methodology Workbook Supplement," September 1999, and classified wetlands in accordance with the "Classification of Wetland Deep Water Habitats of the United States" (Cowardin, 1979). The area of evaluation included approximately one half mile. The wetland delineation and wetland function-value assessment was conducted by GZA's New Hampshire Certified Wetland Scientist (CWS) James H. Long (CWS No. 007) and Tracy Tarr (CWS No. 281) during April 2015. A total of three wetlands have been identified within the project area located between Sandstone Avenue and the Portland Street Substation. GZA has named each wetland with an abbreviated town and numeric identification (RW1 to RW3). The majority of the wetlands encountered consist of palustrine scrub-shrub and emergent systems. One potential vernal pool was observed outside of the ROW in Wetland RW1. No new rare plant locations were observed by GZA and the project avoids known rare plant locations documented previously by GZA in Heath Bog. The identified wetlands and assigned classifications are presented in the table below:

Wetland Identification	Classification	Notes
RW1	PSSIE, PSS/EM1E, R4SB, R2UB	Contains one unnamed a perennial and two unnamed intermittent channels in the vicinity of the Portland Street Substation.
RW2	PSS1E/F	Located between Eastern Avenue and a former railroad bed.
RW3	PSS1E	Located east of Heath Bog.

The proposed project requires 288 square feet (sq. ft.) of permanent wetland impact and 25,518 sq.ft. of temporary impact to install 25 replacement poles, 18 of which must be located in wetlands. During construction, timber mats will be used for access in wetlands. In addition, appropriate siltation prevention measures will be implemented during construction. Perimeter controls (silt fence, straw bales, etc.) will be utilized as a primary best management practice (BMP). If necessary, other BMPs including stone check dams and dewatering basins will be utilized to control and treat storm water.





Proactive by Design

December 11, 2015

340 and 386 Distribution Lines Rebuild Project

File No. 04.0029840.10

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Temporary impacts will be restored as part of the project. Exposed upland soil will be seeded with native seed mixes and mulched. Eversource has retained GZA to complete regular erosion control inspections during construction and provide guidance to the contractor to maintain compliance with all local, state, and federal environmental permits. In addition, GZA will coordinate with the contractor to complete BMPs to protect turtles and snakes during construction. In total, the project will maintain two existing distribution lines that are integral components of the existing electric system, and has minimized impacts to areas within the Conservation Overlay District.

Please feel free to contact Ms. Tracy Tarr at (603) 235-6992 if you have any questions.

Very truly yours,  
GZA GEOENVIRONMENTAL, INC.

Tracy L. Tarr, CWS, CWB, CESSWI  
Project Manager/Wetland Scientist

Deborah M. Zarta Gier, CNRP  
Associate Principal

John C. Murphy, CCM, CHMM  
Consultant / Reviewer

TLT/DZG/JCM:pmc

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Attachments: CUP Application Form  
Abutter List  
Figure 1 – Site Locus  
Wetland Permitting Plans  
Natural Resource Survey and Assessment Limitations

CC: James Mayo, Eversource

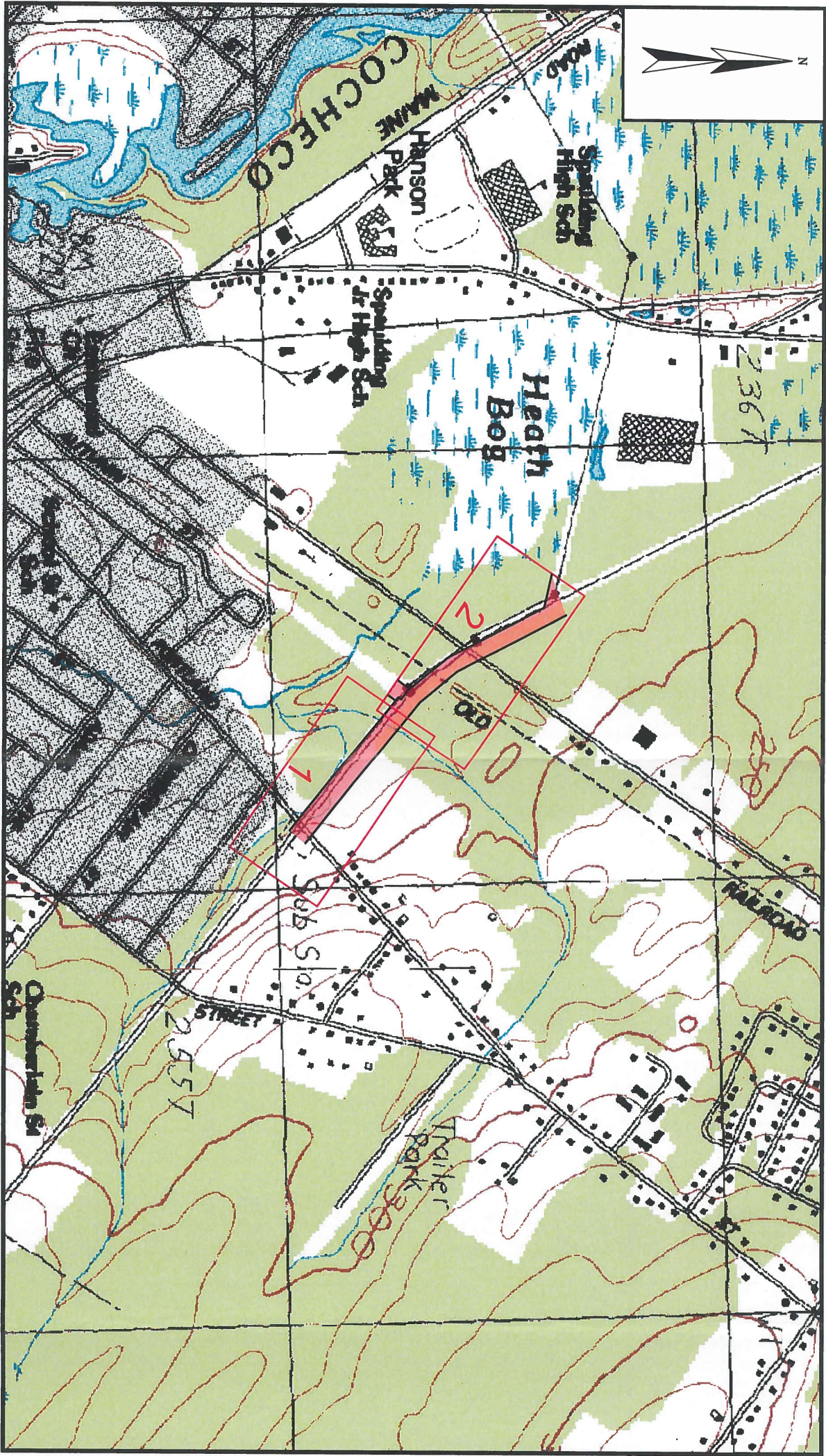


340 / 386 DISTRIBUTION LINES - WETLAND PERMITTING PLAN

PORTLAND STREET TO SANDSTONE LANE

ROCHESTER, NEW HAMPSHIRE

NOVEMBER 2015



- NOTES:
1. FIELD SURVEY PERFORMED BY J.P.E. & N.J.M. DURING APRIL & MAY, 2015 USING A TRIMBLE S6 TOTAL STATION AND A TRIMBLE RB SURVEY GRADE GPS UNIT WITH A TRIMBLE TSC3 DATA COLLECTOR. TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS.
  2. HORIZONTAL DATUM BASED ON NEW HAMPSHIRE STATE PLANE(2800) NAD83(2011) DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KENNETPS VRS NETWORK.
  3. VERTICAL DATUM IS BASED ON APPROXIMATE NAVD83(GEOD12A) (+/-2') DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KENNET GNSS VRS NETWORK.
  4. PROPER FIELD PROCEDURES WERE FOLLOWED ON ORDER TO GENERATE CONTOURS AT 2' INTERVALS. ANY MODIFICATION OF THIS INTERVAL WILL DIMINISH THE INTEGRITY OF THE DATA, AND DOUCET SURVEY, INC. WILL NOT BE RESPONSIBLE FOR ANY SUCH ALTERATION PERFORMED BY THE USER.
  5. JURISDICTIONAL WETLANDS WERE DELINEATED BY GZA GEOENVIRONMENTAL, INC. IN APRIL 2015 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.
  6. GZA EVALUATED WETLANDS AS POTENTIAL VERNAL POOLS IN APRIL 2015 IN ACCORDANCE WITH IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE, 1997, NEW HAMPSHIRE FISH AND GAME DEPARTMENT, NONGAME AND ENDANGERED WILDLIFE PROGRAM.
  7. GZA PERFORMED A WETLANDS FUNCTION AND VALUES ASSESSMENT IN APRIL 2015 IN ACCORDANCE WITH THE AOE'S HIGHWAY METHODOLOGY WORKBOOK SUPPLEMENT, SEPTEMBER 1999, AND CLASSIFIED WETLANDS IN ACCORDANCE WITH THE CLASSIFICATION OF WETLAND DEEP WATER HABITATS OF THE UNITED STATES (COWARDIN, 1979).

PREPARED FOR:

**EVERSOURCE**  
ENERGY

INDEX OF FIGURES:

- T1 - TITLE SHEET  
1-2 - MAP SHEETS

PREPARED BY:

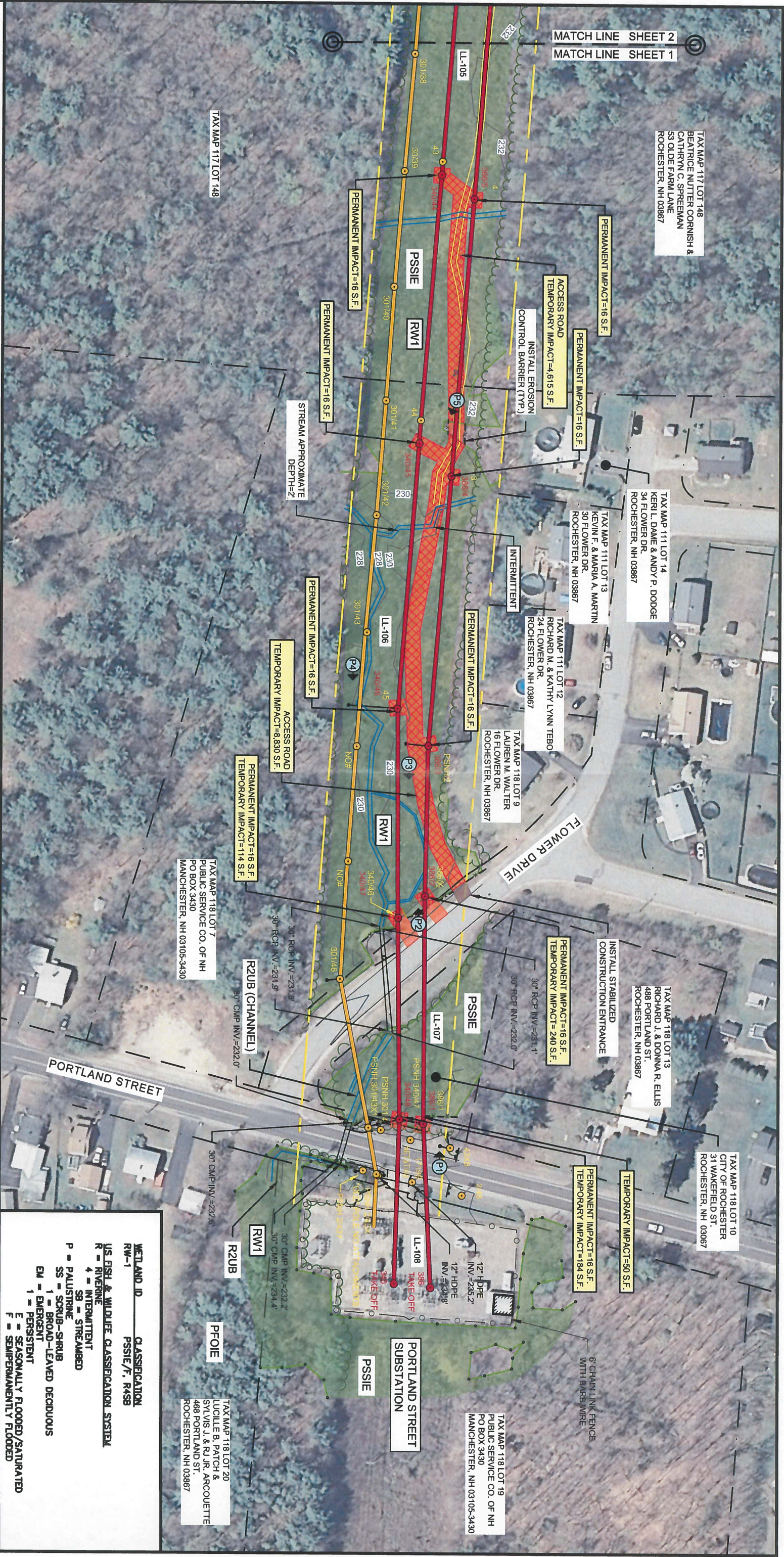


GZA Geo Environmental, Inc.  
Engineers and Scientist  
5 Commerce Park North  
Bedford, New Hampshire  
603-423-3600



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10 Shore Street (Greenview Suite) Kennebunk, ME (207) 502-7005  
<http://www.doucetsurvey.com>





TAX MAP 117 LOT 148  
BEATRICE NUTTER CORNISH &  
CATHRYN C. SPREEMAN  
53 OLDE FARM LANE  
ROCHESTER, NH 03867

TAX MAP 111 LOT 14  
KERIL L. DAME & ANDY P. DODGE  
34 FLOWER DR.  
ROCHESTER, NH 03867

TAX MAP 111 LOT 13  
KEVIN F. & MARIA A. MARTIN  
30 FLOWER DR.  
ROCHESTER, NH 03867

TAX MAP 111 LOT 12  
RICHARD M. & KATHY LYNN TEBB  
24 FLOWER DR.  
ROCHESTER, NH 03867

TAX MAP 118 LOT 9  
LAUREN M. WALTER  
16 FLOWER DR.  
ROCHESTER, NH 03867

TAX MAP 118 LOT 13  
RICHARD J. & DONNA R. ELLIS  
488 PORTLAND ST.  
ROCHESTER, NH 03867

TAX MAP 118 LOT 10  
CITY OF ROCHESTER  
31 WAKEFIELD ST.  
ROCHESTER, NH 03067

TAX MAP 118 LOT 19  
PUBLIC SERVICE CO. OF NH  
PO BOX 3430  
MANCHESTER, NH 03105-3430

TAX MAP 118 LOT 20  
LUCILLE B. PATCH &  
SYLVIA J. & RJ JR. AROUETTE  
488 PORTLAND ST.  
ROCHESTER, NH 03867

#### LEGEND

- RIGHT OF WAY LINE
- APPROXIMATE ADJUTERS LOT LINE
- EDGE OF EXISTING ACCESS ROAD
- MAJOR ACCESS ROAD
- MINOR ACCESS ROAD
- STREAM
- EDGE OF WETLAND
- WETLAND FLAG
- WETLAND POOL
- EXISTING POLE LOCATION
- PROPOSED POLE LOCATION
- EXISTING POLE NUMBER
- PROPOSED POLE NUMBER
- LINE LIST NUMBER
- EROSION CONTROL BARRIER
- PROPOSED ACCESS ROAD
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY WETLAND IMPACT
- PHOTO LOCATION



0 1 inch = 100 ft. 100 200  
Feet

### 340 / 386 DISTRIBUTION LINES WETLAND PERMITTING PLAN

Portland Street to Sandstone Lane  
Rochester, New Hampshire  
November 2015

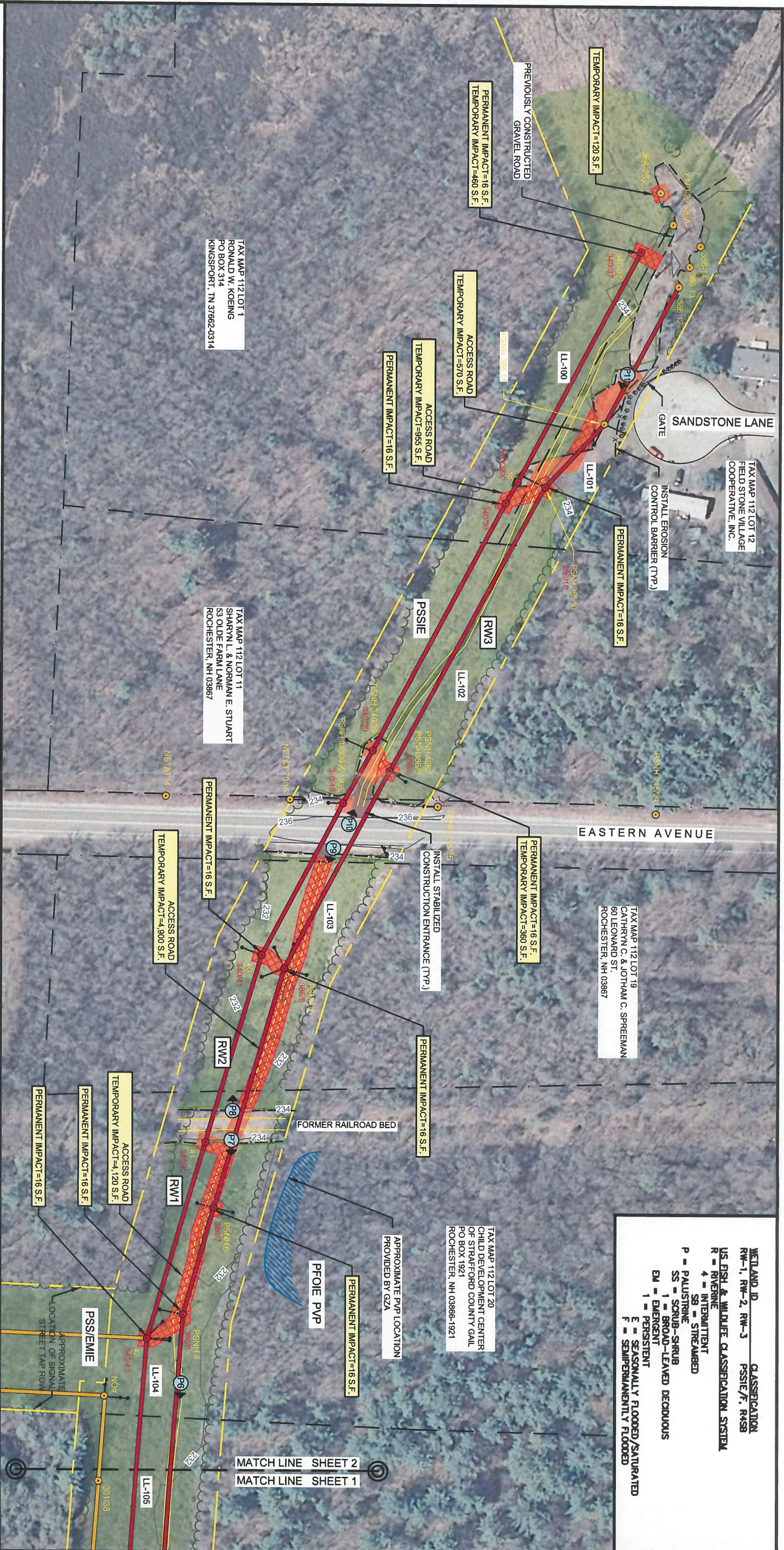




WETLAND ID CLASSIFICATION  
RW-1, RW-2, RW-3 PSSIE/F, RASB

U.S. FISH & WILDLIFE CLASSIFICATION SYSTEM

R = RIVERINE  
4 = INTERMITTENT  
SB = STREAMBED  
P = PALUSTRINE  
SS = SCrub-SHRUB  
1 = BROAD-LEAVED DECIDUOUS  
EM = EMERGENT  
1 = PERSISTENT  
E = SEASONALLY FLOODED/SATURATED  
F = SEMIPERMANENTLY FLOODED



### LEGEND


- 
- x — x — EROSION CONTROL BARRIER  
 — PROPOSED ACCESS ROAD  
 STABILIZED CONSTRUCTION ENTRANCE  
 TEMPORARY WETLAND IMPACT  
 1 PHOTO LOCATION  
 RIGHT OF WAY LINE  
 APPROXIMATE ADJUTERS LOT LINE  
 EDGE OF EXISTING ACCESS ROAD  
 — 100 — MAJOR CONTOUR LINE  
 — 102 — MINOR CONTOUR LINE  
 STREAM  
 EDGE OF WETLAND  
 WETLAND AREA  
 WETLAND FLAG  
 VERNAL POOL  
 EXISTING POLE LOCATION  
 PROPOSED POLE LOCATION  
 EXISTING POLE NUMBER  
 PROPOSED POLE NUMBER  
 LINE LIST NUMBER



1 inch = 100 ft.

0 100 200

Feet



### 340 / 386 DISTRIBUTION LINES

Portland Street to Sandstone Lane  
Rochester, New Hampshire  
November 2015



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**EVERSOURCE**  
**ENERGY**



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.
3. WETLAND IMPACTS ASSOCIATED WITH WETLAND CROSSINGS ARE REQUIRED FOR ACCESS BETWEEN STRUCTURES WITHIN THE RIGHT OF WAY. CONSTRUCTION ACTIVITIES SHALL OCCUR DURING PERIODS OF LOW FLOW.
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. ALL OPERATIONS SHALL BE CONFINED TO THE SPECIFIED ACCESS ROUTES WITHIN THE PROPOSED WETLAND IMPACT AREA. ALL 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. ALL 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. SWAMP MATS WILL BE USED ALONG ALL ACCESS ROUTES 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 SWAMP 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.
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 SWAMP 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.
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. SEDIMENT AND EROSION CONTROL MEASURES WILL BE EVALUATED AND REMOVED IF NECESSARY UPON THE COMPLETION OF CONSTRUCTION.

GENERAL NOTES:

OWNER: EVERSOURCE ENERGY  
PO BOX 330  
MANCHESTER, NH 03103

1. BASE PLAN PROVIDED BY EVERSOURCE ENERGY, DOUCET SURVEY, INC. SURVEY LOCATED GZA DELINEATED WETLANDS. REALTIME ENGINEERS AND PSNH PROVIDED THE UTILITY DESIGN.
2. JURISDICTIONAL WETLANDS WERE DELINEATED BY GZA GEOENVIRONMENTAL, INC. IN THE SPRING OF 2015 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 THE SPRING OF 2015 IN ACCORDANCE WITH "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE", 1997, NEW HAMPSHIRE FISH AND GAME DEPARTMENT, NONGAME AND ENDANGERED WILDLIFE PROGRAM.
4. GZA PERFORMED A WETLANDS FUNCTION AND VALUES ASSESSMENT IN THE SPRING OF 2015 IN ACCORDANCE WITH THE ACOE'S "HIGHWAY METHODOLOGY WORKBOOK SUPPLEMENT," SEPTEMBER 1999, AND CLASSIFIED WETLANDS IN ACCORDANCE WITH THE "CLASSIFICATION OF WETLAND DEEP WATER HABITATS OF THE UNITED STATES" (COMWADIN, 1979).
5. SITE PLAN IS FOR PERMITTING PURPOSES ONLY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.

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, SHAPED, AND OTHERWISE DRAINED 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 AGAINST EROSION, AS NECESSARY.
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.

PROJECT TOTAL:

TEMPORARY WETLAND IMPACT AREA = 25,518 S.F.  
PERMANENT WETLAND IMPACT AREA = 288 S.F.

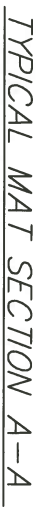
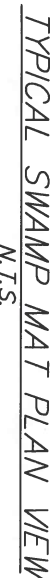
		NO.		BY	DATE
		340/386 DISTRIBUTION LINE			
		ROCHESTER, NEW HAMPSHIRE			
		WETLAND PERMITTING PLANS			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists 380 HARVEY ROAD MANCHESTER NEW HAMPSHIRE 03103 (603) 623-5380		PREPARED FOR: EVERSOURCE ENERGY			
PROJ. LEAD: DMZ	DESIGNED BY: TLT	REVIEWED BY: TLT	CHECKED BY: DMZ	SHEET	
DATE: NOVEMBER 2015	PROJECT NO.: 04.00228840.10	REVISION NO.:	SCALE: 1" = 200'	1	
				SHEET NO. 1 OF 2	

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- SIDE VIEW

30.

BY	DATE
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WETLAND PERMITTING PLANS



NOVEMBER 2015

**SHEET NO. 2 OF 2**