DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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Eversource Transmission Line:

F107 - Seacoast Reliability Project

Location:

Durham, New Hampshire

GZA Project No:

04.0190967.00

TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☒ Storm Event+ ☐ Reduced Frequency++ ☐ Other:

Date: **02/16/2021** Time: **1400** +Was this inspection triggered by a 0.25" storm event? ☒ Yes ☐ No

If yes, how did you determine whether a 0.25" storm event has occurred? ☐ Rain Gauge ☐ Weather Station ☒ Other If other, please describe Weather Underground

+Storm event info (approx): Wintery mix and variable rain beginning early morning on 2/16 and continuing through the early afternoon

Amount of rainfall (inches): 0.38

++Reason for Reduced Frequency
(*i.e., Monthly due to dry conditions*):

Inspector name(s) and title(s): Matt Deane, Technical Specialist

Others present/affiliation(s):

Weather conditions (since last inspection): Variable sun, clouds, and snow with temperatures consistently below freezing until 2/16 storm event

Weather conditions (time of inspection): Cloudy, Mid 30's

pH Meter Information (make/model): **Hanna HI98107**

Calibration Method: 2 Point
Date: **02/16/2021** Time: **1315**

Notes:

PROJECT TEAM

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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- Active construction/earthwork occurring in adjacent parking lot.

PHOTOGRAPHS

UNH Wetland - 1 (Stormwater Area)

UNH Wetland – 2 (Stormwater Area)

UNH Wetland - 3 (Cattail Wetland)

UNH Wetland - 4 (Cattail Wetland)

UNH Wetland - 5 (Cattail Wetland)

UNH Wetland - 6 (Cattail Wetland)

DRAINAGE AREA MONITORING

Location: UNH Wetland – 1 (Stormwater Area)
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Frozen**
Observations/Notes: Heavy slush layer under snow cover.

Location: **UNH Wetland – 2 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Frozen**
Observations/Notes: Heavy slush layer under snow cover, sitting on top of existing ice layer.

Location: UNH Wetland – 3 (Cattail Wetland)
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Frozen**
Observations/Notes: Heavy slush layer under snow cover, sitting on top of existing ice layer.

Location: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Frozen**
Observations/Notes: Heavy slush layer under snow cover, sitting on top of existing ice layer.

Location: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Frozen**
Observations/Notes: Heavy slush layer under snow cover, sitting on top of existing ice layer.

Location: **UNH Wetland – 6 (Cattail Wetland)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes:

Location: **College Brook – 1 (Upstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **CB – 2 (Catch Basin))**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **A Lot – 1 (Drainage Swale)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location: **Reservoir Brook – 1 (Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: **Not Monitored**
Observations/Notes:

Location:
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH:
Observations/Notes:

OTHER COMMENTS AND OBSERVATIONS

- Conditions in cattail wetlands observed to be snow and slush overlaying ice layer or frozen ground.