DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

Known for excellence. Built on trust.

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: **01/17/2021** Time: **1345** +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): Rain and wind from early morning to early afternoon on 1/16

Amount of rainfall (inches): 1.05

++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 and clouds, no measurable precipitation until morning of 1/16

Weather conditions (time of inspection): Mostly Cloudy, Low 40's

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

Calibration Method: 2 Point
Date: **01/17/2021** Time: **1300**

Notes:

PROJECT TEAM

PROJECT OWNER
Eversource
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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- Ongoing construction/earthwork in adjacent parking lot. Not active at time of inspection.

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: **--**
Observations/Notes:

Location: **UNH Wetland – 2 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.0**
Observations/Notes: Variable depth standing water, max depth approx. 2". Surface iced over.

Location: UNH Wetland – 3 (Cattail Wetland)
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.5**
Observations/Notes: Variable depth standing water, max depth approx. 3". Surface iced over.

Location: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.2**
Observations/Notes: Large area of variable depth standing water, max depth approx. 3". Surface iced over.

Location: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.0**
Observations/Notes: Large area of variable depth standing water, max depth approx. 3". Surface iced over.

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

- None.

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Location:

Durham, New Hampshire

GZA Project No:

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

Date: **01/22/2021** Time: **1320** +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

+Storm event info (approx):

Amount of rainfall (inches):

++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 and clouds, no measurable precipitation

Weather conditions (time of inspection): Partly Cloudy, Low 40's

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

Calibration Method: 2 Point
Date: **01/22/2021** Time: **1235**

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: **--**
Observations/Notes:

Location: **UNH Wetland – 2 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.3**
Observations/Notes: Variable depth standing water, max depth approx. 2". Surface iced over.

Location: UNH Wetland – 3 (Cattail Wetland)
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.5**
Observations/Notes: Variable depth standing water, max depth approx. 3". Surface iced over.

Location: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.8**
Observations/Notes: Large area of variable depth standing water, max depth approx. 3". Surface iced over.

Location: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.7**
Observations/Notes: Large area of variable depth standing water, max depth approx. 3". Surface iced over.

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

- None.