# 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: **6/5/20** Time: **1425** +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): **Rebecca Cox, Senior Project Manager and Matt Deane, Technical Specialist**

Others present/affiliation(s):

Weather conditions (since last inspection): **No recent precipitation**

Weather conditions (time of inspection): **Mostly sunny, low 80's**

pH Meter Information (make/model): **Oakton PCTS 50**

Calibration Method: 3 Point
Date: **6/5/20** Time: **1250**

Notes:

## PROJECT TEAM

**PROJECT OWNER**
Eversource
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**CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

- New hydroseed in vicinity, no active watering or landscaping

**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)

**PHOTOGRAPHS**

College Brook – 1 (Upstream in Brook)

College Brook - 2 (Downstream in Brook)

CB – 1 (Catch Basin)

CB – 2 (Catch Basin)

RG – 1 (Rain Garden)

A Lot – 1 (Drainage Swale)

**PHOTOGRAPHS**

Reservoir Brook – 1 (Brook)

**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: **--**
Observations/Notes:

**Location: UNH Wetland – 3 (Cattail Wetland)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **--**
Observations/Notes:

**Location**: UNH **Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.5**
Observations/Notes:

**Location**: UNH **Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.2**
Observations/Notes:

**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: **7.3**
Observations/Notes:

**Location**: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.2**
Observations/Notes:

**Location**: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.8**
Observations/Notes: No flow through catch basin

**Location**: **CB – 2 (Catch Basin))**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.6**
Observations/Notes: No flow through catch basin, adjacent swale is dry

**Location**: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.9**
Observations/Notes: Stagnant water, no flow observed.

**Location**: **A Lot – 1 (Drainage Swale)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **--**
Observations/Notes:

**Location**: **Reservoir Brook – 1 (Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.2**
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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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: **6/7/02** Time: **0955** +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): **Overnight Rain**

Amount of rainfall (inches): **0.21"**

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

Inspector name(s) and title(s): Rebecca Cox, Senior Project Manager

Others present/affiliation(s):

Weather conditions (since last inspection): Overnight rain showers, dry during daytime yesterday

Weather conditions (time of inspection): Overcast 60's

pH Meter Information (make/model): Oakton PCTS 50

Calibration Method: 3 Point
Date: **6/7/20** Time: **0850**

Notes:

## PROJECT TEAM

**PROJECT OWNER**
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**CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

- None

**PHOTOGRAPHS**

UNH Wetland -1 (Stormwater Area)

UNH Wetland – 2 (Stormwater Area)

UNH Wetland -3 (Cattail Wetland)

UNH Wetland - 4 (Cattail Wetland)

**PHOTOGRAPHS**

UNH Wetland - 5 (Cattail Wetland)

UNH Wetland - 6 (Cattail Wetland)

College Brook – 1 (Upstream in Brook)

College Brook - 2 (Downstream in Brook)

**PHOTOGRAPHS**

CB – 1 (Catch Basin)

CB – 2 (Catch Basin)

RG – 1 (Rain Garden)

A Lot – 1 (Drainage Swale)

**PHOTOGRAPHS**

Reservoir Brook – 1 (Brook)

**DRAINAGE AREA MONITORING**

**Location: UNH Wetland – 1 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.9**
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:

**Location: UNH Wetland – 3 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.7**
Observations/Notes:

**Location**: UNH **Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.8**
Observations/Notes:

**Location**: UNH **Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.7**
Observations/Notes:

**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: **7.1**
Observations/Notes:

**Location**: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.3**
Observations/Notes:

**Location**: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.1**
Observations/Notes: Very low flow into catch basin from underdrain observed

**Location**: **CB – 2 (Catch Basin))**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **6.7**
Observations/Notes: Very low flow into catch basin observed

**Location**: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.2**
Observations/Notes:

**Location**: **A Lot – 1 (Drainage Swale)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **--**
Observations/Notes: pH of 6.7 measured in a nearby puddle in the drainage swale approx. 20 ft south of the marked location

**Location**: **Reservoir Brook – 1 (Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.0**
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:

**04.0190967.00**

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

Date: **6/8/02** Time: **1145** +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): No measurable precipitation

Weather conditions (time of inspection): Sunny, Low 70's

pH Meter Information (make/model): Hannah HI98107

Calibration Method: 2 Point
Date: **6/8/20** Time: **1010**

Notes: new meter

## PROJECT TEAM

**PROJECT OWNER**
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**CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

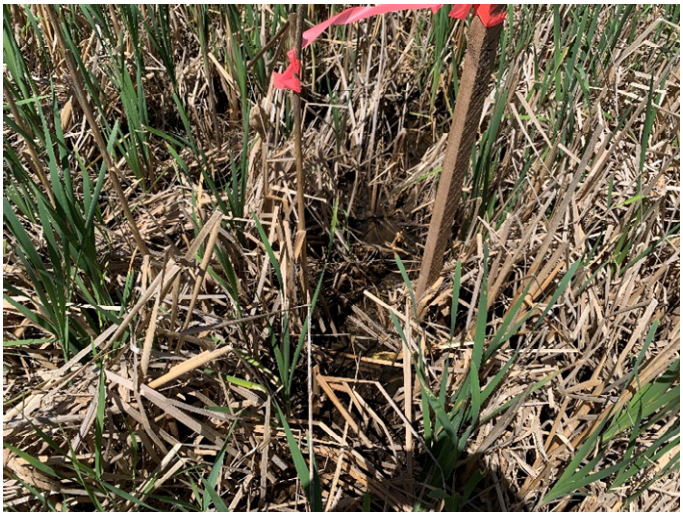
- None

**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)

**PHOTOGRAPHS**

College Brook – 1 (Upstream in Brook)

College Brook - 2 (Downstream in Brook)

CB – 1 (Catch Basin)

CB – 2 (Catch Basin)

RG – 1 (Rain Garden)

**DRAINAGE AREA MONITORING**

**Location: UNH Wetland – 1 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **9.0**
Observations/Notes: Standing water line approximately 18" from UNH Wetland – 1 flag

**Location**: **UNH Wetland – 2 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **8.7**
Observations/Notes:

**Location: UNH Wetland – 3 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.6**
Observations/Notes: Small pocked of standing water in isolated depression

**Location**: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.8**
Observations/Notes:

**Location**: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.9**
Observations/Notes:

**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: **7.9**
Observations/Notes:

**Location**: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.8**
Observations/Notes:

**Location**: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.3**
Observations/Notes:

**Location**: **CB – 2 (Catch Basin))**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.2**
Observations/Notes:

**Location**: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.1**
Observations/Notes: Very low flow visible in catch basin, not visible on surface water

**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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**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: **6/9/02** Time: **1355** +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): No measurable precipitation

Weather conditions (time of inspection): Overcast, Low 70's

pH Meter Information (make/model): Oakton PCTS 50

Calibration Method: 3 Point
Date: **6/9/20** Time: **1340**

Notes:

## PROJECT TEAM

**PROJECT OWNER**
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**CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

- None

**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)

**PHOTOGRAPHS**

College Brook – 1 (Upstream in Brook)

College Brook - 2 (Downstream in Brook)

CB – 1 (Catch Basin)

CB – 2 (Catch Basin)

RG – 1 (Rain Garden)

**DRAINAGE AREA MONITORING**

**Location: UNH Wetland – 1 (Stormwater Area)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes: Standing water line approximately 42" from UNH Wetland – 1 flag

**Location**: **UNH Wetland – 2 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **8.0**
Observations/Notes:

**Location: UNH Wetland – 3 (Cattail Wetland)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes: Small 2" x 3" pocket of water in isolated depression, not deep enough to measure

**Location**: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.8**
Observations/Notes:

**Location**: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.5**
Observations/Notes:

**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: **7.4**
Observations/Notes:

**Location**: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.2**
Observations/Notes:

**Location**: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.1**
Observations/Notes:

**Location**: **CB – 2 (Catch Basin))**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.8**
Observations/Notes:

**Location**: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.0**
Observations/Notes: Very low flow visible in catch basin, not visible on surface water

**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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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: **6/10/20** Time: **1040** +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): No measurable precipitation

Weather conditions (time of inspection): Partly Sunny, High 60's

pH Meter Information (make/model): Oakton PCTS 50

Calibration Method: 3 Point
Date: **6/10/20** Time: **0730**

Notes:

## PROJECT TEAM

**PROJECT OWNER**
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**CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

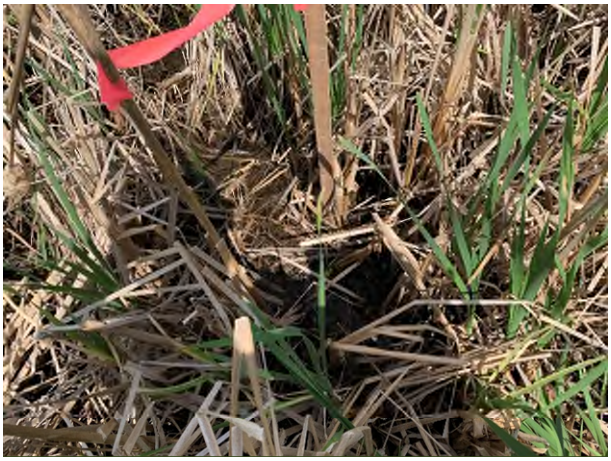
- None

**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)

**PHOTOGRAPHS**

College Brook – 1 (Upstream in Brook)

College Brook - 2 (Downstream in Brook)

CB – 1 (Catch Basin)

CB – 2 (Catch Basin)

RG – 1 (Rain Garden)

A Lot – 1 (Drainage Swale)

**PHOTOGRAPHS**

Reservoir Brook – 1 (Brook)

**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: **8.8**
Observations/Notes: Isolated small pockets of standing water

**Location: UNH Wetland – 3 (Cattail Wetland)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes:

**Location**: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.7**
Observations/Notes:

**Location**: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.5**
Observations/Notes: Small area of standing water with sheen

**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: **7.4**
Observations/Notes:

**Location**: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.3**
Observations/Notes:

**Location**: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.3**
Observations/Notes:

**Location**: **CB – 2 (Catch Basin))**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.9**
Observations/Notes:

**Location**: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.2**
Observations/Notes: Very low flow visible/audible in catch basin, not visible on surface water

**Location**: **A Lot – 1 (Drainage Swale)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes:

**Location**: **Reservoir Brook – 1 (Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.5**
Observations/Notes:

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

**OTHER COMMENTS AND OBSERVATIONS**

- None

# 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: **6/11/20** Time: **1530** +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): Weather Underground

Amount of rainfall (inches): 0.14

++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): Cloudy, intermittent rain, some heavy on 6/11 from 1000 to 1400

Weather conditions (time of inspection): Overcast, Low 70's

pH Meter Information (make/model): Oakton PCTS 50

Calibration Method: 3 Point
Date: **6/11/20** Time: **0950**

Notes: Calibration check @ 1400

## PROJECT TEAM

**PROJECT OWNER**
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**CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

- None

**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)

**PHOTOGRAPHS**

College Brook – 1 (Upstream in Brook)

College Brook - 2 (Downstream in Brook)

CB – 1 (Catch Basin)

CB – 2 (Catch Basin)

RG – 1 (Rain Garden)

A Lot – 1 (Drainage Swale)

**PHOTOGRAPHS**

Reservoir Brook – 1 (Brook)

**DRAINAGE AREA MONITORING**

**Location: UNH Wetland – 1 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.7**
Observations/Notes: Standing water approx. 18" from UNH Wetland – 1 flag

**Location**: **UNH Wetland – 2 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.5**
Observations/Notes:

**Location: UNH Wetland – 3 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.6**
Observations/Notes: Small pocket of standing water ~1" deep

**Location**: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.5**
Observations/Notes:

**Location**: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.2**
Observations/Notes: Small area of standing water with sheen

**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: **7.4**
Observations/Notes:

**Location**: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.2**
Observations/Notes:

**Location**: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.5**
Observations/Notes: Very low flow into outlet towards CB-2

**Location**: **CB – 2 (Catch Basin))**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.3**
Observations/Notes: Very low flow into outlet

**Location**: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.2**
Observations/Notes: Visible flow into catch basin

**Location**: **A Lot – 1 (Drainage Swale)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes:

**Location**: **Reservoir Brook – 1 (Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.1**
Observations/Notes:

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

**OTHER COMMENTS AND OBSERVATIONS**

- None

# 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: **6/12/02** Time: **0955** +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): No measurable precipitation

Weather conditions (time of inspection): Sunny, Mid 70's

pH Meter Information (make/model): Oakton PCTS 50

Calibration Method: 3 Point
Date: **6/12/20** Time: **0855**

Notes:

## PROJECT TEAM

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**CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

- None

**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)

**PHOTOGRAPHS**

College Brook – 1 (Upstream in Brook)

College Brook - 2 (Downstream in Brook)

CB – 1 (Catch Basin)

CB – 2 (Catch Basin)

RG – 1 (Rain Garden)

**DRAINAGE AREA MONITORING**

**Location: UNH Wetland – 1 (Stormwater Area)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes: Standing water line approximately 42" from UNH Wetland – 1 flag

**Location**: **UNH Wetland – 2 (Stormwater Area)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.5**
Observations/Notes:

**Location: UNH Wetland – 3 (Cattail Wetland)**
Status of surface water at the time of inspection? ☒ Dry ☐ Standing ☐ Flowing
pH: **---**
Observations/Notes: Small 1" x 1" pocket of water in isolated depression, not deep enough to measure

**Location**: **UNH Wetland – 4 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.7**
Observations/Notes:

**Location**: **UNH Wetland – 5 (Cattail Wetland)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **6.3**
Observations/Notes:

**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: **7.3**
Observations/Notes:

**Location**: **College Brook – 2 (Downstream in Brook)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.2**
Observations/Notes:

**Location**: **CB – 1 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☒ Standing ☐ Flowing
pH: **7.2**
Observations/Notes: No visible flow into outlet

**Location**: **CB – 2 (Catch Basin)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **6.8**
Observations/Notes: Low flow visible into outlet pipe

**Location**: **RG – 1 (Rain Garden)**
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing
pH: **7.3**
Observations/Notes: Low flow visible into catch basin

**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