



DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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Eversource Transmission
Line:

F107 - Seacoast Reliability Project

Location:

Newington, New Hampshire

GZA Project No:

04.0190967.00

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

Date: **05/04/2021** Time: **0845** ⁺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): Light rain early morning of 5/4

Amount of rainfall (inches): 0.15

++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): Mostly cloudy

Weather conditions (time of inspection): Cloudy, Low 50's

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

Calibration Method: 2 Point

Date: **05/04/2021** Time: **0840**

Notes:

PROJECT TEAM

PROJECT OWNER

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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- Excavation occurring on Vietas property (29 Gundalow Landing) to remove FTB from above duct bank. At the time of inspection, approximately 75 linear feet of FTB was excavated from the duct bank alignment on the eastern edge of the Vietas property along Gundalow Landing. Active excavation was approximately 200 feet northeast of the 29 Gundalow – 1 monitoring location.

PHOTOGRAPHS



29 Gundalow - 1 (Drainage Area)



29 Gundalow - 2 (Culvert)



64 Gundalow - 1 (Drainage Course)



64 Gundalow - 2 (Drainage Course)



4 Brickyard Circle - 1 (Drainage Course)



4 Brickyard Circle - 2 (Drainage Course)

PHOTOGRAPHS



4 Brickyard Circle – 3 (Drainage Course)

DRAINAGE AREA MONITORING

Location: 29 Gundalow – 1 (Drainage Area)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: --

Observations/Notes: Saturated soil but no standing water.

Location: 29 Gundalow – 2 (Culvert)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: 12.2

Observations/Notes: Approx. 8" of flowing water at culvert inlet.

Location: 64 Gundalow – 1 (Drainage Course)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: 11.7

Observations/Notes: Accessible flowing water extending approx. 14" beyond culvert outlet.

Location: 64 Gundalow – 2 (Drainage Course)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: 8.0

Observations/Notes: Intermittent flowing water extending approx. 3' from culvert inlets.

Location: 4 Brickyard Circle – 1 (Drainage Course)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: 7.3

Observations/Notes: Flowing water into drainage course, max depth approx. 10". Flow observed over top of peat moss log.

Location: 4 Brickyard Circle – 2 (Drainage Course)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: 7.2

Observations/Notes: Water flowing approx. 3" deep.

Location: 4 Brickyard Circle – 3 (Drainage Course)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: 7.3

Observations/Notes: Water flowing approx. 6" deep.

OTHER COMMENTS AND OBSERVATIONS

- None.