



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: **04/30/2021** Time: **0825** ⁺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): Intermittent light rain beginning morning of 4/28 continuing through early morning of 4/30

Amount of rainfall (inches): 0.87

++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

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

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

Calibration Method: 2 Point

Date: **04/30/2021** Time: **0820**

Notes:

PROJECT TEAM

PROJECT OWNER

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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- Peat moss socks installed in drainage areas on 29 Gundalow Landing (1), 64 Gundalow Landing (3), and 4 Brickyard Circle (1) since 04/02/2021.

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: **6.2**

Observations/Notes: Intermittent flowing water, max depth approx. 1".

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: **10.7**

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: **9.2**

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: **8.1**

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: **7.5**

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: **7.4**

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

OTHER COMMENTS AND OBSERVATIONS

- None.