



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: **12/28/2021** Time: **945** ⁺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): **12/26** Amount of rainfall (inches): **0.47** Amount of snowfall (inches): **N/A**

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

Inspector name(s) and title(s): Logan Young, Field Scientist

Others present/affiliation(s):

Weather conditions (since last inspection): Partly cloudy, precipitation event with 0.47 inches of rainfall occurred on 12/26

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

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

Calibration Method: 2 Point
Date: **12/28/2021** Time: **940**

Notes: None.

PROJECT TEAM

PROJECT OWNER

Eversource

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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- None.

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 - 1 (Drainage Course)

PHOTOGRAPHS



4 Brickyard Circle – 3 (Drainage Course)



Film on water surface at 64 Gundalow – 1 culvert.

DRAINAGE AREA MONITORING

Location: 29 Gundalow – 1 (Drainage Area)

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

pH: --

Observations/Notes: Soil frozen with approx. 2" of accumulated ice and snow cover.

Location: 29 Gundalow – 2 (Culvert)

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

pH: 10.7

Observations/Notes: Water at culvert inlet, approx. max depth 2.0".

Location: 64 Gundalow – 1 (Drainage Course)

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

pH: 11.8

Observations/Notes: Small amount of water draining from culvert, approx. depth 1". Water in culvert observed to be cloudy with floating sheen (fine suspended solids).

Location: 64 Gundalow – 2 (Drainage Course)

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

pH: 7.8

Observations/Notes: Area of water in front of culvert inlets, approx. max depth 3.5".

Location: 4 Brickyard Circle – 1 (Drainage Course)

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

pH: 8.3

Observations/Notes: Area of water adjacent to culvert outlets. Approx. max depth 6.0".

Location: 4 Brickyard Circle – 2 (Drainage Course)

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

pH: 7.0

Observations/Notes: Area of water adjacent to south wall of raceway, max depth approx. 2.0 x".

Location: 4 Brickyard Circle – 3 (Drainage Course)

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

pH: 6.8

Observations/Notes: Area of water in center of raceway, max depth approx. 3.0".

OTHER COMMENTS AND OBSERVATIONS

- Sediment continues to be observed within culvert at 64 Gundalow – 1.