



DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

Known for excellence. Built on trust.

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: **05/25/2021** Time: **1005** ⁺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): Primarily sunny, no measurable precipitation

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

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

Calibration Method: 2 Point

Date: **05/25/2021** Time: **1000**

Notes:

PROJECT TEAM

PROJECT OWNER

Eversource

Attn: Dena Champy-Project Manager

Phone: 508-954-2736

Email: dena.champy@eversource.com

Attn: Kurt Nelson-Permitting Specialist

Phone: 603-714-3031

Email: kurt.nelson@eversource.com

Attn: Tom Meister

Phone: 339-987-7901

Email: thomas.meister@eversource.com

Attn: Sam Eames

Phone: 603-915-0073

Email: samual.eames@eversource.com

EVERSOURCE COMPLIANCE

Attn: Matt Cardin

Phone: 603-988-6635

Email: matthew.cardin@eversource.com

FIELD SERVICES SAFETY MANAGER

Transmission ROW

Attn: Joshua Scott

Phone: 603-848-7759

Email: joshua.scott@eversource.com

ENVIRONMENTAL CONSULTANT

GZA GeoEnvironmental, Inc.

Attn: Deborah Zarta Gier

Phone: 603-380-5024

Email: Deborah.zartagier@gza.com

Attn: Rebecca Cox

Phone: 603-315-7520

Email: rebecca.cox@gza.com

CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- Sod in place, some remaining exposed areas seeded. Straw wattles still in place.

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: Sod being installed in area of 29 Gundalow – 1 at time of inspection.

Location: 29 Gundalow – 2 (Culvert)

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

pH: 11.2

Observations/Notes: Approx. 5" of water at culvert inlet. Straw wattles observed in culvert.

Location: 64 Gundalow – 1 (Drainage Course)

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

pH: 8.9

Observations/Notes: Very small area of accessible water at culvert outlet approx. 0.5" deep. Straw wattles observed in culvert.

Location: 64 Gundalow – 2 (Drainage Course)

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

pH: 7.2

Observations/Notes: Small areas of standing water adjacent to culvert inlets. Straw wattles observed in culverts.

Location: 4 Brickyard Circle – 1 (Drainage Course)

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

pH: 7.8

Observations/Notes: Standing water at culvert outlet, max depth approx. 6".

Location: 4 Brickyard Circle – 2 (Drainage Course)

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

pH: --

Observations/Notes: Soil saturated, no standing water.

Location: 4 Brickyard Circle – 3 (Drainage Course)

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

pH: --

Observations/Notes: Soil saturated, no standing water.

OTHER COMMENTS AND OBSERVATIONS

- None.



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Location:

Newington, New Hampshire

GZA Project No:

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TYPE OF INSPECTION:

- Daily Weekly Storm Event⁺ Reduced Frequency⁺⁺
 Other:

Date: **05/27/2021** Time: **0910** ⁺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 thunderstorms and light rain from late evening 5/26 to early morning 5/27

Amount of rainfall (inches): 0.25

++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, 0.25" rain overnight 5/26 into 5/27

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

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

Calibration Method: 2 Point

Date: **05/27/2021** Time: **0905**

Notes:

PROJECT TEAM

PROJECT OWNER

Eversource

Attn: Dena Champy-Project Manager

Phone: 508-954-2736

Email: dena.champy@eversource.com

Attn: Kurt Nelson-Permitting Specialist

Phone: 603-714-3031

Email: kurt.nelson@eversource.com

Attn: Tom Meister

Phone: 339-987-7901

Email: thomas.meister@eversource.com

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Phone: 603-380-5024

Email: Deborah.zartagier@gza.com

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Phone: 603-315-7520

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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- Sod in place, some remaining exposed areas seeded. Straw wattles still in place.

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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: Soil saturated, no standing water.

Location: 29 Gundalow – 2 (Culvert)

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

pH: 10.7

Observations/Notes: Approx. 5" of water at culvert inlet. Straw wattles observed in culvert.

Location: 64 Gundalow – 1 (Drainage Course)

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

pH: 9.4

Observations/Notes: Small area of accessible water at culvert outlet approx. 1" deep. Straw wattles observed in culvert.

Location: 64 Gundalow – 2 (Drainage Course)

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

pH: 8.5

Observations/Notes: Areas of standing water adjacent to culvert inlets. Straw wattles observed in culverts.

Location: 4 Brickyard Circle – 1 (Drainage Course)

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

pH: 7.8

Observations/Notes: Flowing water into drainage course, max depth approx. 6".

Location: 4 Brickyard Circle – 2 (Drainage Course)

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

pH: 7.3

Observations/Notes: Flowing water against wall of raceway, approx. 1" deep.

Location: 4 Brickyard Circle – 3 (Drainage Course)

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

pH: 7.1

Observations/Notes: Flowing water pooled in center of raceway, approx. 3" deep.

OTHER COMMENTS AND OBSERVATIONS

- None.