

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

Known for excellence. Built on trust.

TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ☐ Other:
Date: 12/06/2020 Time: 1245 ⁺ 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): Variable rain beginning early morning on 12/5 turning to wintery mix and snow in the afternoon and continuing until early morning on 12/6 Amount of rainfall (inches): 1.78
++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, no measurable precipitation until 12/5
Weather conditions (time of inspection): Mostly cloudy, Low 30's
pH Meter Information (make/model): Hanna HI98107
Calibration Method: 2 Point Date: 12/06/20 Time: 1240
Notes:

PROJECT TEAM

PROJECT OWNER

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Eversource Transmission

F107 - Seacoast

Reliability Project

Newington, New Hampshire

04.0190967.00

Line:

Location:

GZA Project No:

ENVIRONMENTAL CONSULTANT
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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

None



29 Gundalow -1 (Drainage Area)



64 Gundalow - 1 (Drainage Course)



4 Brickyard Circle – 1 (Drainage Course)



29 Gundalow - 2 (Culvert)



64 Gundalow - 2 (Drainage Course)



4 Brickyard Circle – 2 (Drainage Course)

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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: 6.0
Observations/Notes: Intermittent areas of standing water in grass, max depth approx. 1"
Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing pH: 11.4
Observations/Notes: Water extending approx. 18" beyond culvert inlet into stone area, approx. max depth 4". Flow visible through culvert.
Location: 64 Gundalow − 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 10.4
Observations/Notes: Accessible flowing water extending approx. 16" from culvert outlet, approx. 2" deep.
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing pH: 9.3
Observations/Notes: Large area of pooled water extending approx. 5' from culvert inlets, max depth approx. 8". Visible flow through culverts.
Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing pH: 8.6
Observations/Notes: Water flowing through culvert with pools at outlet, max depth approx. 10". Visible flow through culvert and into raceway.
Location: 4 Brickyard Circle – 2 (Drainage Course) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing pH: 7.7
Observations/Notes: Water flowing through center and adjacent to east wall of raceway, approx. 4" deep.
Location: 4 Brickyard Circle – 3 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing □ Flowing pH: 7.5
Observations/Notes: Water flowing with pooled area in center of raceway, max depth approx. 6".
Location: Knight's Brook – 1 (Upstream in Brook) Status of surface water at the time of inspection?
pH: Not Monitored
Observations/Notes:

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Location: Knight's Brook – 2 (Downstream in Brook)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Knight's Brook – 3 (Above Duct Bank in Brook)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Hannah – 1 (Wetland NW-22)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Hannah – 2 (Wetland NW-24)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Flynn Pit – 1 (Wetland NW-4)
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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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ☐ Other:
Date: 12/08/2020 Time: 0940 *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): Variable sun and clouds, no measurable precipitation
Weather conditions (time of inspection): Cloudy, High 20's
pH Meter Information (make/model): Hanna HI98107
Calibration Method: 2 Point Date: 12/08/20 Time: 0935
Notes:

Eversource Transmission Line:

F107 - Seacoast Reliability Project

Location:

Newington, New Hampshire

GZA Project No:

04.0190967.00

PROJECT TEAM

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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

None



29 Gundalow -1 (Drainage Area)



64 Gundalow - 1 (Drainage Course)



4 Brickyard Circle – 1 (Drainage Course)



29 Gundalow - 2 (Culvert)



64 Gundalow - 2 (Drainage Course)



4 Brickyard Circle – 2 (Drainage Course)

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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: 12.1 Observations/Notes: Water extending approx. 12" beyond culvert inlet into stone area, approx. max depth 4". Flow visible through culvert.
Location: 64 Gundalow − 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 11.5 Observations/Notes: Accessible flowing water extending approx. 12" from culvert outlet, approx. 1" deep.
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing pH: 9.5 Observations/Notes: Standing water extending approx. 2' from culvert inlets, max depth approx. 3".
Location: 4 Brickyard Circle − 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 9.2 Observations/Notes: Standing water extending approx. 2.5' from outlet, max depth approx. 10".
Location: 4 Brickyard Circle – 2 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 7.9 Observations/Notes: Water flowing through center and adjacent to east wall of raceway, approx. 3" deep.
Location: 4 Brickyard Circle − 3 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 7.6 Observations/Notes: Pooled area in center of raceway, max depth approx. 4".
Location: Knight's Brook – 1 (Upstream in Brook) Status of surface water at the time of inspection?

Location: Knight's Brook – 2 (Downstream in Brook)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Knight's Brook – 3 (Above Duct Bank in Brook)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Hannah – 1 (Wetland NW-22)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Hannah – 2 (Wetland NW-24)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Flynn Pit – 1 (Wetland NW-4)
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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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ☐ Other:
Date: 12/10/2020 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 +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): Variable sun and clouds, no measurable precipitation
Weather conditions (time of inspection): Cloudy, High 30's
pH Meter Information (make/model): Hanna HI98107
Calibration Method: 2 Point Date: 12/10/20 Time: 0905
Notes:

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Eversource Transmission

F107 - Seacoast

Reliability Project

Newington, New Hampshire

04.0190967.00

Line:

Location:

GZA Project No:

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Email: lucas.turcotte@gza.com

CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

None



29 Gundalow -1 (Drainage Area)



64 Gundalow - 1 (Drainage Course)



4 Brickyard Circle – 1 (Drainage Course)



29 Gundalow - 2 (Culvert)



64 Gundalow – 2 (Drainage Course)



4 Brickyard Circle – 2 (Drainage Course)



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: 12.6 Observations/Notes: Water extending approx. 12" beyond culvert inlet into stone area, approx. max depth 4". Flow visible through culvert.
Location: 64 Gundalow − 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 12.0 Observations/Notes: Accessible flowing water extending approx. 12" from culvert outlet, approx. 1" deep.
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☒ Flowing pH: 9.6 Observations/Notes: Standing water extending approx. 2' from culvert inlets, max depth approx. 2".
Location: 4 Brickyard Circle − 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 9.3 Observations/Notes: Standing water extending approx. 2.5' from outlet, max depth approx. 10".
Location: 4 Brickyard Circle – 2 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 7.7 Observations/Notes: Water flowing through center and adjacent to east wall of raceway, approx. 3" deep.
Location: 4 Brickyard Circle − 3 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 7.6 Observations/Notes: Pooled area in center of raceway, max depth approx. 4".
Location: Knight's Brook – 1 (Upstream in Brook) Status of surface water at the time of inspection?

Location: Knight's Brook – 2 (Downstream in Brook) Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Knight's Brook – 3 (Above Duct Bank in Brook)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Hannah – 1 (Wetland NW-22)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Hannah – 2 (Wetland NW-24)
Status of surface water at the time of inspection? Dry Standing Flowing
pH: Not Monitored
Observations/Notes:
Location: Flynn Pit – 1 (Wetland NW-4)
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 ODGERVATIONS
OTHER COMMENTS AND OBSERVATIONS
None.