

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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| TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ☐ Other: |
|---|
| Date: 11/10/2020 Time: 0935 *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): Mostly fair with some clouds, no measurable precipitation |
| Weather conditions (time of inspection): Sunny, High 50's |
| |
| pH Meter Information (make/model): Hanna HI98107 |
| Calibration Method: 2 Point Date: 11/10/20 Time: 0930 |
| Notes: |

PROJECT TEAM

PROJECT OWNER

Eversource
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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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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 Area)

| DRAINAGE AREA MONITORING |
|---|
| Location: 29 Gundalow − 1 (Drainage Area) Status of surface water at the time of inspection? |
| Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? □ Dry ☑ Standing □ Flowing pH: 12.5 |
| Observations/Notes: Water observed in the culvert and extending approx. 8" beyond culvert inlet into stone area, approx. max depth 4" |
| Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry ☑ Standing □ Flowing pH: **11.1 Observations/Notes: **Measurement taken from standing water just inside culvert outlet (no standing water in drainage course), water approx. 0.5" deep. |
| |
| Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? □ Dry ☑ Standing □ Flowing pH: 7.5 |
| Observations/Notes: Small area of standing water in stone riprap approx. 3" deep. No visible flow through culvert. |
| Location: 4 Brickyard Circle −1 (Drainage Course) Status of surface water at the time of inspection? □ Dry ☑ Standing □ Flowing pH: 7.2 Observations/Notes: Standing water extending approx. 20" beyond culvert outlet, approx. 10" deep. No visible flow through culvert. |
| Leasting A Brighton A Circle (A Chaire as Course) |
| Location: 4 Brickyard Circle – 2 (Drainage Course) Status of surface water at the time of inspection? ☐ Dry ☑ Standing ☐ Flowing pH: 7.3 |
| Observations/Notes: Standing water adjacent to east wall of raceway, approx. 2" deep. No visible flow. |
| Location: 4 Brickyard Circle – 3 (Drainage Course) Status of surface water at the time of inspection? □ Dry ☑ Standing □ Flowing pH: 7.2 |
| Observations/Notes: Small area of standing water in center of raceway, approx. 3" deep. No visible flow. |
| 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: 11/12/2020 Time: 0950 *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 mid to late morning of 11/12 Amount of rainfall (inches): 0.04 ++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 on 10/11, cloudy with light rain mid to late morning on 11/12 |
| Weather conditions (time of inspection): Light rain, High 50's |
| pH Meter Information (make/model): Hanna HI98107 Calibration Method: 2 Point Date: 11/12/20 Time: 0945 Notes: |

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)

| DRAINAGE AREA MONITORING |
|---|
| Location: 29 Gundalow − 1 (Drainage Area) Status of surface water at the time of inspection? |
| |
| Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? ☐ Dry ☑ Standing ☐ Flowing |
| pH: 12.5 |
| Observations/Notes: Water observed in the culvert and extending approx. 8" beyond culvert inlet into stone area, approx. max depth 4" |
| Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing □ Flowing |
| pH: ** 10.6 |
| Observations/Notes: **Measurement taken from standing water just inside culvert outlet (no standing water in drainage course), water approx. 0.5" deep. |
| Location: 64 Gundalow – 2 (Drainage Course) |
| Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing |
| pH: 7.3 |
| Observations/Notes: Small area of standing water in stone riprap approx. 3" deep. No visible flow through culvert. |
| Location: 4 Brickyard Circle – 1 (Drainage Course) |
| Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing |
| pH: 6.8 |
| Observations/Notes: Standing water extending approx. 20" beyond culvert outlet, approx. 10" deep. No visible flow through culvert. |
| Location: 4 Brickyard Circle – 2 (Drainage Course) |
| Status of surface water at the time of inspection? Dry Standing Flowing |
| pH: Not Monitored |
| Observations/Notes: |
| Location: 4 Brickyard Circle – 3 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing |
| pH: Not Monitored |
| Observations/Notes: |
| 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: 11/13/2020 Time: 1525 *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 afternoon of 11/13 Amount of rainfall (inches): 0.03 ++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 with light rain afternoon of 11/13 |
| Weather conditions (time of inspection): Light rain, High 30's |
| |
| pH Meter Information (make/model): Hanna HI98107 |
| Calibration Method: 2 Point Date: 11/13/20 Time: 1520 |
| Notes: |
| |

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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)



4 Brickyard Circle – 3 (Drainage Course)

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| Castion: 29 Gundalow - 1 (Drainage Area) Status of surface water at the time of inspection? Dry Standing Flowing F | DRAINAGE AREA MONITORING |
|--|--|
| Status of surface water at the time of inspection? | Status of surface water at the time of inspection? Dry Standing Flowing PH: |
| Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection? | Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing |
| Status of surface water at the time of inspection? Dry Standing Flowing pH: **10.4 Observations/Notes: **Measurement taken from standing water just inside culvert outlet (no standing water in drainage course), water approx. 0.5* deep. Location: 64 Gundalow - 2 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing pH: 7.3 Observations/Notes: Small area of standing water in stone riprap approx. 3* deep. No visible flow through culvert. Location: 4 Brickyard Circle - 1 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing pH: 7.3 Observations/Notes: Standing water extending approx. 20* beyond culvert outlet, approx. 10* deep. No visible flow through culvert. Location: 4 Brickyard Circle - 2 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing pH: 7.3 Observations/Notes: Standing water adjacent to east wall of raceway, approx. 2* deep. No visible flow. Location: 4 Brickyard Circle - 3 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing pH: 7.2 Observations/Notes: Small area of standing water in center of raceway, approx. 3* deep. No visible flow. Location: Knight's Brook - 1 (Upstream in Brook) Status of surface water at the time of inspection? Dry Standing Flowing pH: Not Monitored | Observations/Notes: Water observed in the culvert and extending approx. 8" beyond culvert inlet into stone area, approx. max depth 4" |
| Status of surface water at the time of inspection? | Status of surface water at the time of inspection? Dry Standing Flowing pH: **10.4 Observations/Notes: **Measurement taken from standing water just inside culvert outlet (no standing water in drainage course), water approx. 0.5" |
| Status of surface water at the time of inspection? | |
| Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection? | Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing |
| Status of surface water at the time of inspection? | Observations/Notes: Small area of standing water in stone riprap approx. 3" deep. No visible flow through culvert. |
| Location: 4 Brickyard Circle – 2 (Drainage Course) Status of surface water at the time of inspection? | Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing pH: 7.3 |
| Status of surface water at the time of inspection? | |
| Location: 4 Brickyard Circle – 3 (Drainage Course) Status of surface water at the time of inspection? | Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing |
| Status of surface water at the time of inspection? | Observations/Notes: Standing water adjacent to east wall of raceway, approx. 2" deep. No visible flow. |
| Location: Knight's Brook − 1 (Upstream in Brook) Status of surface water at the time of inspection? □ Dry □ Standing □ Flowing pH: Not Monitored | Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing |
| Status of surface water at the time of inspection? | Observations/Notes: Small area of standing water in center of raceway, approx. 3" deep. No visible flow. |
| | 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. |