

DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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TYPE OF INSPECTION: □ Daily ☑ Weekly □ Storm Event □ Reduced Frequency □ Other:
Date: 03/11/2021 Time: 0920 *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, Mid 40's
pH Meter Information (make/model): Hanna HI98107
Calibration Method: 2 Point Date: 03/11/2021 Time: 0915 Notes:

PROJECT TEAM

PROJECT OWNER

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F107 - Seacoast Reliability Project

Location:

ENVIRONMENTAL CONSULTANT

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GZA Project No:

04.0190967.00

CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

None

PHOTOGRAPHS



29 Gundalow -1 (Drainage Area)



64 Gundalow - 1 (Drainage Course)



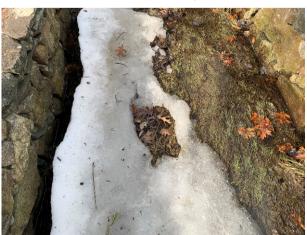
4 Brickyard Circle – 1 (Drainage Course)



29 Gundalow - 2 (Culvert)



64 Gundalow - 2 (Drainage Course)



4 Brickyard Circle – 2 (Drainage Course)

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: 6.3
Observations/Notes: Intermittent standing water, max depth approx. 1".
Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing pH: 12.1
Observations/Notes: Approx. 6" of flowing water within culvert inlet. Crystalline precipitate observed on stone and leaf litter under water surface.
Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing □ Flowing pH: 11.8
Observations/Notes: Accessible flowing water extending approx. 3' beyond culvert outlet.
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 10.4
Observations/Notes: Large area of intermittent water extending approx. 5' from culvert inlets.
Location: 4 Brickyard Circle − 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 9.4
Observations/Notes: Large area of water in drainage course at culvert outlets, max depth approx. 8".
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 approx. 2" deep, some snow and ice still in raceway.
Location: 4 Brickyard Circle – 3 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing □ Flowing pH: 7.6
Observations/Notes: Water flowing approx. 3" deep, some snow and ice still in raceway.
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:

DRAINAGE MONITORING REPORT

Page 5 of 5

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.