

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ++ ☐ Other:			
Date: 10/28/2020 Time: 1420 *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 light rain from early morning to early afternoon on 10/28 Amount of rainfall (inches): 0.26 ++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			
Weather conditions (time of inspection): Light rain, Mid 40's			
pH Meter Information (make/model): Hanna HI98107			
Calibration Method: 2 Point Date: 10/28/20 Time: 1415			
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

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)

DRAINAGE AREA MONITORING				
Location: 29 Gundalow – 1 (Drainage Area) Status of surface water at the time of inspection?	⊠ Dry	☐ Standing	☐ Flowing	
pH:				
Observations/Notes:				
Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? pH: 10.1	☐ Dry	⊠ Standing	☐ Flowing	
Observations/Notes: Standing water observed in the	e culvert a	and extending a	approx. 10" beyond culvert inlet into stone area, approx. max depth 3.5"	
Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection?	⊠ Dry	☐ Standing	☐ Flowing	
pH:				
Observations/Notes:				
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection?	☐ Dry	Standing	☐ Flowing	
pH: 6.6				
Observations/Notes: Small area of standing water in	n stone ri	prap approx. 3	" deep	
Location: 4 Brickyard Circle – 1 (Drainage Cour Status of surface water at the time of inspection?	se) □ Dry		☐ Flowing	
pH: 6.6		Z Granamig		
Observations/Notes: Standing water extending appr	ox. 24" b	eyond culvert o	outlet, approx. 10" deep	
Location: Knight's Brook – 1 (Upstream in Broo Status of surface water at the time of inspection?	k) □ Dry	☐ Standing	☐ Flowing	
pH: Not Monitored				
Observations/Notes:				
Location: Knight's Brook – 2 (Downstream in Boundary Status of surface water at the time of inspection?	r ook)	☐ Standing	☐ Flowing	
pH: Not Monitored				
Observations/Notes:				
Location: Knight's Brook – 3 (Above Duct Bank Status of surface water at the time of inspection?	_	k) ☐ Standing	☐ Flowing	
pH: Not Monitored				
Observations/Notes:				

Newington, New Hampshire

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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? pH: Not Monitored	☐ Dry	☐ Standing	☐ Flowing
Observations/Notes:			
Location: Flynn Pit – 1 (Wetland NW-4) Status of surface water at the time of inspection? pH: Not Monitored	☐ Dry	☐ Standing	☐ Flowing
Observations/Notes:			
Location : Status of surface water at the time of inspection? pH:	☐ Dry	☐ Standing	☐ Flowing
Observations/Notes:			
OTHER COMMENTS AND OBSERVATIONS	3		
• None			



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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ☐ Other:				
Date: 10/29/2020 Time: 1430 *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 beginning early afternoon and continuing through evening of 10/29 Amount of rainfall (inches): 0.19 at time of inspection ++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 rain and clouds				
Weather conditions (time of inspection): Light rain, Mid 40's				
pH Meter Information (make/model): Hanna HI98107				
Calibration Method: 2 Point Date: 10/29/20 Time: 1425				
Notes:				

Eversource Transmission Line:

F107 - Seacoast Reliability Project

Location:

Newington, New Hampshire

GZA Project No:

04.0190967.00

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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)

DRAINAGE AREA MONITORING			
Location: 29 Gundalow – 1 (Drainage Area) Status of surface water at the time of inspection? pH:	⊠ Dry	☐ Standing	☐ Flowing
Observations/Notes:			
Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? pH: 11.2	☐ Dry	Standing	☐ Flowing
Observations/Notes: Standing water observed in the	culvert a	and extending a	approx. 12" beyond culvert inlet into stone area, approx. max depth 3.5"
Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection?	⊠ Dry	☐ Standing	☐ Flowing
pH:			and to obtain socialism
Observations/Notes: Approx. 0.25" standing water a	t cuivert (outlet, not enou	ign to obtain reading
Location : 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection?	☐ Dry		☐ Flowing
pH: 6.7			
Observations/Notes: Small area of standing water in	n stone ri	prap approx. 3	" deep
Location: 4 Brickyard Circle – 1 (Drainage Cours Status of surface water at the time of inspection?	se) □ Dry		☐ Flowing
pH: 6.7			
Observations/Notes: Standing water extending appr	ox. 24" b	eyond culvert c	outlet, approx. 10" deep
Location: Knight's Brook – 1 (Upstream in Broo Status of surface water at the time of inspection?		☐ Standing	☐ Flowing
pH: Not Monitored			
Observations/Notes:			
Location: Knight's Brook – 2 (Downstream in Br Status of surface water at the time of inspection?	_ `	☐ Standing	☐ Flowing
pH: Not Monitored			
Observations/Notes:			
Location: Knight's Brook – 3 (Above Duct Bank Status of surface water at the time of inspection?		k) ☐ Standing	☐ Flowing
pH: Not Monitored			
Observations/Notes:			

Newington, New Hampshire

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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? pH: Not Monitored	☐ Dry	☐ Standing	☐ Flowing
Observations/Notes:			
Location: Flynn Pit – 1 (Wetland NW-4) Status of surface water at the time of inspection? pH: Not Monitored	☐ Dry	☐ Standing	☐ Flowing
Observations/Notes:			
Location : Status of surface water at the time of inspection? pH:	☐ Dry	☐ Standing	☐ Flowing
Observations/Notes:			
OTHER COMMENTS AND OBSERVATIONS	3		
• None			



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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ++					
□ Other:					
Date: 10/30/2020 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 beginning early afternoon and continuing through evening of 10/29, turning to snow and wintery mix morning of 10/30 and continuing through afternoon					
Amount of rainfall (inches): 0.94					
++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 light rain and wintery mix					
Weather conditions (time of inspection): Light snow, Mid 30's					
pH Meter Information (make/model): Hanna HI98107					
Calibration Method: 2 Point Date: 10/30/20 Time: 1520					
Notes:					

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Reliability Project

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Line:

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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

4 Brickyard Circle – 1 (Drainage Course)

None

PHOTOGRAPHS 29 Gundalow -1 (Drainage Area) 29 Gundalow - 2 (Culvert) 64 Gundalow - 1 (Drainage Course) 64 Gundalow – 2 (Drainage Course)

4 Brickyard Circle - 2 (Drainage Course)

PHOTOGRAPHS



4 Brickyard – 2 (Drainage Area) facing northeast



4 Brickyard – 3 (Drainage Area)



4 Brickyard – 3 (Drainage Area) facing southwest

DRAINAGE AREA MONITORING			
Location: 29 Gundalow − 1 (Drainage Area) Status of surface water at the time of inspection? □ Dry □ Standing □ Flowing pH: Observations/Notes: Some areas of saturated soil but no standing water			
Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 12.3			
Observations/Notes: Water observed in the culvert and extending approx. 12" beyond culvert inlet into stone area, approx. max depth 5"			
Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: **11.6			
Observations/Notes: **Measurement taken from just inside culvert outlet as water entering drainage course was inaccessible under stone riprap, water approx. 0.5" deep			
Location: 64 Gundalow – 2 (Drainage Course)			
Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing			
pH: 9.7			
Observations/Notes: Large area of standing water in stone riprap approx. 5" deep			
Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing ☑ Flowing pH: 9.4			
Observations/Notes: Standing water extending approx. 24" beyond culvert outlet, approx. 12" deep			
Location: 4 Brickyard Circle – 2 (Drainage Course) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing pH: 7.1			
Observations/Notes: Water running along east wall of raceway, approx. 2" 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: Small area of water in center of raceway, approx. 3" deep			
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?
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?
pH:
Observations/Notes:

OTHER COMMENTS AND OBSERVATIONS

Two monitoring locations, 4 Brickyard – 2 and 4 Brickyard – 3, were added to the monitoring event. Locations are shown on the attached figure.