

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ☐ Other:					
Date: 10/13/2020 Time: 1350 *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, steady rain from early morning to evening of 10/13 Amount of rainfall (inches): Approx. 1.2 at time of inspection, 1.5 total ++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 with variable, steady rain from early morning to evening of 10/13					
Weather conditions (time of inspection): Rain, Low 50's					
pH Meter Information (make/model): Hanna HI98107					
Calibration Method: 2 Point Date: 10/13/20 Time: 1345					
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

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?	⊠ Dry	☐ Standing	☐ Flowing	
pH: Visible moisture on inside of culvert but no star	nding wat	er		
Observations/Notes:				
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: 6.4				
Observations/Notes: Standing water extending app	rox. 16" f	rom culvert inle	et into stone riprap area, standing water approx. 4" deep	
Location: 4 Brickyard Circle – 1 (Drainage Court Status of surface water at the time of inspection?	se)		☐ Flowing	
pH: 6.5				
Observations/Notes: Standing water extending approx. 18" beyond culvert 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 Br 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 in Brook) Status of surface water at the time of inspection? Dry 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			
• None			



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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ++						
☐ Other:						
Date: 10/14/2020 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 Weather Underground						
+Storm event info (approx): Variable, steady rain from early morning to evening of 10/13						
Amount of rainfall (inches): 1.5						
++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): Steady rain from early morning to evening of 10/13, Mostly sunny 10/14						
Weather conditions (time of inspection): Sunny, Low 60's						
pH Meter Information (make/model): Hanna HI98107						
Calibration Method: 2 Point Date: 10/14/20 Time: 1000						
Notes:						

PROJECT TEAM

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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)

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?	☐ Dry	Standing	☐ Flowing		
pH: 10.2 Characterisms (Notes) Standing water sheemed in the		and outonding	approve 40" have and outleast into stone area, approve may depth 2.5"		
Observations/Notes: Standing water observed in the	e cuivert 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		☐ Flowing		
pH: 6.3					
Observations/Notes: Standing water extending app	rox. 12" f	rom culvert inle	et into stone riprap area, standing water approx. 3" deep		
Location: 4 Brickyard Circle – 1 (Drainage Court Status of surface water at the time of inspection?	se)		☐ Flowing		
pH: 6.5					
Observations/Notes: Standing water extending appr	ox. 16" b	eyond culvert o	outlet, approx. 8" deep		
Location: Knight's Brook – 1 (Upstream in Broo Status of surface water at the time of inspection? pH: Not Monitored	-	☐ Standing	☐ Flowing		
Observations/Notes:					
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:					

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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?	☐ 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

• Standing water present in 29 Gundalow – 2 for the first time since the July 23rd monitoring event. No flow through culvert observed.



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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ++						
☐ Other:						
Date: 10/16/2020 Time: 1410 ⁺ 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): 0.2 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): Cloudy to fair on 10/15, variable rain from late morning into afternoon of 10/16						
Weather conditions (time of inspection): Cloudy, Low 60's						
pH Meter Information (make/model): Hanna HI98107						
Calibration Method: 2 Point Date: 10/16/20 Time: 1405						
Notes:						

PROJECT TEAM

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F107 - Seacoast **Reliability Project**

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Newington, New Hampshire

GZA Project No:

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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: 9.4	☐ Dry	Standing	☐ Flowing	
Observations/Notes: Standing water within and external ex	ending ap	prox. 10" beyon	nd 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? pH:	⊠ Dry	☐ Standing	☐ Flowing	
Observations/Notes:				
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? pH: 6.6	☐ Dry	Standing	☐ Flowing	
	rox. 10" f	rom culvert inle	et into stone riprap area, standing water approx. 3" deep	
Location: 4 Brickyard Circle – 1 (Drainage Course Status of surface water at the time of inspection? pH: 6.8 Observations/Notes: Standing water extending apprentices.	☐ Dry		☐ Flowing putlet, approx. 8" deep	
Location: Knight's Brook – 1 (Upstream in Broo Status of surface water at the time of inspection? pH: Not Monitored	Dry	☐ Standing	☐ Flowing	
Observations/Notes:				
Location: Knight's Brook – 2 (Downstream in Br Status of surface water at the time of inspection? pH: Not Monitored	rook) Dry	☐ Standing	☐ Flowing	
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			
• None			