

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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TYPE OF INSPECTION:  ☐ Daily ☑ Weekly ☐ Storm Event ☐ Reduced Frequency ++ ☐ Other:					
Date: 7/29/2020 Time: 0925 *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): Dry and hot, no measurable precipitation					
Weather conditions (time of inspection): Sunny, High 70's					
pH Meter Information (make/model): Hanna HI98107					
Calibration Method: 2 Point Date: 7/29/20 Time: 0920 Notes:					

Eversource Transmission Line:

F107 - Seacoast Reliability Project

Location:

Newington, New Hampshire

GZA Project No:

04.0190967.00

## **PROJECT TEAM**

#### PROJECT OWNER

Eversource

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# **CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

• Sod and loam/seed recently applied around drainage area. Watered periodically. No watering occurring at time of inspection.

# **PHOTOGRAPHS**



29 Gundalow -1 (Drainage Area)



64 Gundalow - 1 (Drainage Course)



4 Brickyard Circle – 1 (Drainage Course)



29 Gundalow -1 (Drainage Area)



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:			
Observations/Notes: Bottom of culvert observed to b	e moist b	out not sufficier	nt water to measure pH
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: <b>6.6</b>			
Observations/Notes: Small area of standing water a	djacent t	o culvert inlet,	approx. 1" deep
Location: 4 Brickyard Circle – 1 (Drainage Cours Status of surface water at the time of inspection?	s <b>e)</b> □ Dry	Standing	☐ Flowing
pH: <b>6.8</b>			
Observations/Notes: ~ 8" of standing water extending	g ~ 12" b	eyond culvert	outlet in grassed raceway
	•	☐ Standing	☐ Flowing
pH: Not Monitored			
Observations/Notes:			
	_ ′	☐ Standing	☐ Flowing
pH: Not Monitored			
Observations/Notes:			
Location: Knight's Brook – 3 (Above Duct Bank Status of surface water at the time of inspection?	_	Standing	☐ Flowing
pH: Not Monitored			
Observations/Notes:			
Location, Honnah 4 (Moster d NIM 22)			
Location: Hannah – 1 (Wetland NW-22) Status of surface water at the time of inspection?	☐ Dry	☐ Standing	Flowing
pH: Not Monitored			
Observations/Notes:			

Page 4 of 4

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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F107 - Seacoast **Reliability Project** 

Location:

**Newington, New** Hampshire

**GZA Project No:** 

04.0190967.00

# **CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

• Sod and loam/seed recently applied around drainage area. Watered periodically. No watering occurring at time of inspection.



Location: 29 Gundator - 1 (Drainage Acee)  Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht:  Cheservations/Notes:   Drainage Course)  Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht:  Choservations/Notes: Bottom of culvert observed to be moist but not sufficient water to measure pH.  Location: 64 Gundator - 1 (Drainage Course)  Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht: 6.9  Choservations/Notes: Butlar are a of standring water adjacent to culvert intet, approx. 1" deep  Location: 44 Brickyard Circle - 1 (Drainage Course)  Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht: 6.9  Choservations/Notes: 8" of standring water extending - 12" beyond culvert outlet in grassed raceway  Location: Knight's Brook - 1 (Upstream in Brook)  Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht: Not Monitored  Choservations/Notes:   Brook - 2 (Downstream in Brook)  Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht: Not Monitored  Choservations/Notes:   Brook - 3 (Above Duct Bank in Brook)    Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht: Not Monitored  Choservations/Notes:   Location: Knight's Brook - 3 (Above Duct Bank in Brook)    Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht: Not Monitored  Choservations/Notes:   Location: Knight's Brook - 3 (Above Duct Bank in Brook)    Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht: Not Monitored  Choservations/Notes:   Location: Knight's Brook - 3 (Above Duct Bank in Brook)    Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht: Not Monitored  Choservations/Notes:   Location: Hannah - 1 (Wetland NW-22)    Status of surface water at the time of inspection?   Dry   Standring   Flowing    Pht: Not Monitored	DRAINAGE AREA MONITORING
Cbservations/Notes:  Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection?	Status of surface water at the time of inspection? ⊠ Dry ☐ Standing ☐ Flowing
Costion: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection?	pH:
Status of surface water at the time of inspection?	Observations/Notes:
Cocation: 64 Gundalow -1 (Drainage Course) Status of surface water at the time of inspection?  Status of surface water at the time of inspection?  Observations/Notes:  Location: 64 Gundalow -2 (Drainage Course) Status of surface water at the time of inspection?  Dry Standing Flowing PH: 6,9  Observations/Notes: Small area of standing water adjacent to culvert inlet, approx. 1" deep  Location: 4 Brickyard Circle -1 (Drainage Course) Status of surface water at the time of inspection?  Dry Standing Flowing PH: 7.1  Observations/Notes: -8" of standing water extending ~ 12" beyond culvert outlet in grassed 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:  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: 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	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: Observations/Notes:  Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection?   Dry   Standing   Flowing   pH: 6.9 Observations/Notes: Small area of standing water adjacent to culvert inlet, approx. 1" deep  Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection?   Dry   Standing   Flowing   pH: 7.1 Observations/Notes: - 8" of standing water extending - 12" beyond culvert outlet in grassed 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:  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: 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: Bottom of culvert observed to be moist but not sufficient water to measure pH.
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection?   Dry   Standing   Flowing   pH: 6.9  Observations/Notes: Small area of standing water adjacent to culvert inlet, approx. 1" deep  Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection?   Dry   Standing   Flowing   pH: 7.1  Observations/Notes: – 8" of standing water extending – 12" beyond culvert outlet in grassed 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:  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	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: 6.9  Observations/Notes: Small area of standing water adjacent to culvert inlet, approx. 1" deep  Location: 4 Brickyard Circle - 1 (Drainage Course) Status of surface water at the time of inspection?   Dry   Standing   Flowing   pH: 7.1  Observations/Notes: - 8" of standing water extending - 12" beyond culvert outlet in grassed 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:  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: 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: 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 adjacent to culvert inlet, approx. 1" deep
Location: Knight's Brook – 1 (Upstream in Brook) 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: ~ 8" of standing water extending ~ 12" beyond culvert outlet in grassed raceway
Location: Knight's Brook – 2 (Downstream in Brook) Status of surface water at the time of inspection?	Status of surface water at the time of inspection?
Status of surface water at the time of inspection?	Observations/Notes:
Location: Knight's Brook – 3 (Above Duct Bank in Brook) Status of surface water at the time of inspection?	Status of surface water at the time of inspection?   Dry Standing Flowing  pH: Not Monitored
Status of surface water at the time of inspection?	Observations/140tes.
Observations/Notes:  Location: Hannah – 1 (Wetland NW-22)  Status of surface water at the time of inspection?	
Location: Hannah – 1 (Wetland NW-22)  Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing  pH: Not Monitored	pH: Not Monitored
Status of surface water at the time of inspection?	Observations/Notes:
Ubservations/Notes:	Status of surface water at the time of inspection?
	Observations/Notes:

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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 ☐ Paily ☐ Daily ☐ Daily ☐ Daily ☐ Storm Event ☐ Reduced Frequency					
☐ Other:					
Date: 7/31/2020 Time: 1355 <sup>+</sup> 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 sunny, no measurable precipitation					
Weather conditions (time of inspection): Sunny, Low 80's					
pH Meter Information (make/model): Hanna HI98107					
Calibration Method: 2 Point Date: 7/31/20 Time: 1350					
Notes:					

## **PROJECT TEAM**

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**Eversource Transmission** 

F107 - Seacoast

**Reliability Project** 

**Newington, New** Hampshire

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Location:

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# **CURRENT/RECENT SITE WORK ACTIVITIES / NOTES**

4 Brickyard Circle – 1 (Drainage Course)

• Sod and loam/seed recently applied around drainage area. Watered periodically. No watering occurring at time of inspection.

# **PHOTOGRAPHS** 29 Gundalow -1 (Drainage Area) 29 Gundalow -1 (Drainage Area) 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? ☐ Dry ☐ Stand pH:	ing
Observations/Notes:	
Location: 29 Gundalow – 2 (Culvert)  Status of surface water at the time of inspection? □ Dry □ Stand pH:	ing □ Flowing
Observations/Notes: Bottom of culvert observed moist but not sufficient	water to measure pH.
Location: 64 Gundalow – 1 (Drainage Course)  Status of surface water at the time of inspection? □ Dry □ Stand  pH:	ing □ Flowing
Observations/Notes:	
Location: 64 Gundalow – 2 (Drainage Course)  Status of surface water at the time of inspection? ☐ Dry ☐ Stand pH: 6.7	ing □ Flowing
Observations/Notes: Small area of standing water adjacent to culvert in	alet, approx. 1" deep
Location: 4 Brickyard Circle – 1 (Drainage Course)  Status of surface water at the time of inspection? ☐ Dry ☐ Stand pH: 7.0	ing
Observations/Notes: ~ 8" of standing water extending ~ 12" beyond cul-	vert outlet in grassed raceway
	ion salist in grassou rassina,
Location: Knight's Brook − 1 (Upstream in Brook)  Status of surface water at the time of inspection? □ Dry □ Stand  pH: Not Monitored	ing □ Flowing
Observations/Notes:	
Location: Knight's Brook − 2 (Downstream in Brook)  Status of surface water at the time of inspection? □ Dry □ Stand  pH: Not Monitored	ing
Observations/Notes:	
Location: Knight's Brook − 3 (Above Duct Bank in Brook) Status of surface water at the time of inspection? □ Dry □ Stand pH: Not Monitored	ing
Observations/Notes:	
Location: Hannah – 1 (Wetland NW-22)  Status of surface water at the time of inspection? ☐ Dry ☐ Stand pH: Not Monitored  Observations/Notes:	ing □ Flowing

Page 4 of 4

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			