

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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TYPE OF INSPECTION:					
Other:					
Date: 6/22/2020 Time: 1255 ⁺ 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): No measurable precipitation					
Weather conditions (time of inspection): Sunny, Low 70's					
pH Meter Information (make/model): Hanna HI98107					
Calibration Method: 2 Point Date: 6/22/20 Time: 1250					
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:

ENVIRONMENTAL CONSULTANT
GZA GeoEnvironmental, Inc.
Attn: Deborah Zarta Gier
Phone: 603-380-5024

Email: Deborah.zartagier@gza.com

Attn: Rebecca Cox Phone: 603-315-7520

Email: rebecca.cox@gza.com

Attn: Lucas Turcotte Phone: 603-380-5017

29 Gundalow resident periodically watering grass/sod. Watering occurring near 29 Gundalow - 1 and 29 Gundalow - 2 monitoring locations at the time of inspection.

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

4 Brickyard Circle – 1 (Drainage Course)

DRAINAGE AREA MONITORING			
•] Dry	☐ Standing	☐ Flowing
pH:			
Observations/Notes: No water at surface			
Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection?] Dry	Standing	☐ Flowing
pH: 7.9			
Observations/Notes: Standing water approx. 1" deep, 6	extend	ding 8" from en	d of inlet
Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection?] Dry	☐ Standing	☐ Flowing
Observations/Notes: No visible standing water			
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection?] Dry	☐ Standing	☐ Flowing
Observations/Notes: No visible standing water			
Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection? pH:	Dry	☐ Standing	☐ Flowing
Observations/Notes: No visible standing water			
Location: Knight's Brook – 1 (Upstream in Brook) Status of surface water at the time of inspection? pH: Not Monitored] Dry	☐ Standing	☐ Flowing
Observations/Notes:			
pH: Not Monitored	o k)] Dry	☐ Standing	☐ Flowing
Observations/Notes:			
•		s) Standing	☐ Flowing
pH: Not Monitored			
Observations/Notes:			
pH: Not Monitored] Dry	☐ Standing	☐ Flowing
Observations/Notes:			

Newington, New Hampshire

Page 4 of 4

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

No visible standing water at 29 Gundalow – 1, 64 Gundalow – 1, 64 Gundalow – 2 and 4 Brickyard Circle – 1



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TYPE OF INSPECTION:
Date: 6/23/2020 Time: 0940 *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): No measurable precipitation
Weather conditions (time of inspection): Partly Cloudy, Low 70's
pH Meter Information (make/model): Hanna HI98107
Calibration Method: 2 Point Date: 6/23/20 Time: 0935
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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Attn: Lucas Turcotte Phone: 603-380-5017

• 29 Gundalow resident periodically watering grass/sod. No watering occurring at time of inspection.

PHOTOGRAPHS 29 Gundalow -1 (Drainage Area) 29 Gundalow -2 (Culvert) 64 Gundalow – 1 (Drainage Course) 64 Gundalow -2 (Drainage Course) 64 Gundalow – 2 (Drainage Course) 4 Brickyard Circle – 1 (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: No water at surface					
Observations/Notes. No water at surface					
Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection?	☐ Dry		☐ Flowing		
pH: 7.9					
Observations/Notes: Standing water approx. 1" dec	ep, extend	ding 8" from en	d of inlet		
Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection?	⊠ Dry	☐ Standing	☐ Flowing		
pH: 7.7					
Observations/Notes: Standing water approx. 1" dee	p at culve	ert outlet.			
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? pH:	⊠ Dry	☐ Standing	☐ Flowing		
Observations/Notes: No visible standing water					
•					
Location: 4 Brickyard Circle – 1 (Drainage Cour Status of surface water at the time of inspection?		☐ Standing	☐ Flowing		
pH:					
Observations/Notes: No visible standing water					
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 B	rook)				
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 Status of surface water at the time of inspection?		k) ☐ Standing	☐ Flowing		
pH: Not Monitored			lowing		
Observations/Notes:					
5555. Valiono/14065.					
Location: Hannah – 1 (Wetland NW-22) Status of surface water at the time of inspection?	☐ Dry	☐ Standing	☐ Flowing		
pH: Not Monitored	_ ,	~ 3	3		
Observations/Notes:					

Newington, New Hampshire

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Location: Hannah – 2 (Wetland NW-24)		Ctonding	□ Flowing
Status of surface water at the time of inspection?	☐ Dry	□ Standing	Flowing
pH: Not Monitored			
Observations/Notes:			
Location: Elypp Bit 4 (Westland NW 4)			
Location: Flynn Pit – 1 (Wetland NW-4) Status of surface water at the time of inspection?	☐ Dry	☐ Standing	Flowing
pH: Not Monitored	_ ′	_	_ v
•			
Observations/Notes:			
Location:			
Status of surface water at the time of inspection?	☐ Dry	☐ Standing	☐ Flowing
pH:			
Observations/Notes:			

OTHER COMMENTS AND OBSERVATIONS

No visible standing water at 29 Gundalow – 1, 64 Gundalow – 2 and 4 Brickyard Circle – 1. Standing water visible in 64 Gundalow – 1 for first time since June 12 monitoring event, despite no recent measurable rain. Likely a result of lawn watering observed in proximity during June 22 monitoring event.



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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ☐ Other:					
Date: 6/24/2020 Time: 1620 ⁺ 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 rain, scattered thunderstorms throughout afternoon and early evening Amount of rainfall (inches): <0.25, monitoring conducted in between showers during a rain event with total					
rainfall of 0.29" ++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 6/23, 6/24 cloudy AM with variable rain and scattered thunderstorms PM					
Weather conditions (time of inspection): Overcast, Humid, High 70's, occasional showers					
pH Meter Information (make/model): Hanna HI98107					
Calibration Method: 2 Point Date: 6/24/20 Time: 1615					
Notes:					

PROJECT TEAM

PROJECT OWNER

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F107 - Seacoast

Reliability Project

Newington, New Hampshire

04.0190967.00

Line:

Location:

GZA Project No:

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64 Gundalow - 2 (Drainage Course)

• 29 Gundalow resident periodically watering new grass/sod. Watering occurring in vicinity of 29 Gundalow – 1 and 29 Gundalow – 2 at time of inspection.

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

4 Brickyard Circle – 1 (Drainage Course)



Coation: 29 Gundalow -1 (Drainage Area) Status of surface water at the time of inspection? Dry Standing Flowing Flowing Proving Pr	DRAINAGE AREA MONITORING				
Cotation: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? Dry Standing Flowing PH: 7.6 Observations/Notes: - 1" of standing water in culvert Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing PH: - Observations/Notes: Less than 0.5" standing water, not enough to measure Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing PH: - Observations/Notes: Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing PH: - Observations/Notes: Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing PH: - Observations/Notes: Location: Knight's Brook – 1 (Upstream in Brook) Status of surface water at the time of inspection? Dry Standing Flowing PH: 7.2 Observations/Notes: Location: Knight's Brook – 2 (Downstream in Brook) Status of surface water at the time of inspection? Dry Standing Flowing PH: 7.2 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: 7.2 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: 7.2 Observations/Notes:	Status of surface water at the time of inspection?	⊠ Dry	☐ Standing	☐ Flowing	
Location: 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: No water at surface				
Observations/Notes: - 1" of standing water in culvert Location: 64 Gundalow - 1 (Drainage Course) Status of surface water at the time of inspection?		☐ Dry		☐ Flowing	
Cocation: 64 Gundalow - 1 (Drainage Course) Status of surface water at the time of inspection? Dry Standing Flowing pH:	pH: 7.6				
Status of surface water at the time of inspection?	Observations/Notes: ~ 1" of standing water in culve	ert			
Observations/Notes: Less than 0.5" standing water, not enough to measure Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection?	Status of surface water at the time of inspection?	⊠ Dry	☐ Standing	☐ Flowing	
Location: 64 Gundalow − 2 (Drainage Course) Status of surface water at the time of inspection?		not once	igh to mogaliro		
Status of surface water at the time of inspection?	Observations/Notes, Less than 0.5 standing water,	, not enou	ign to measure		
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:				
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?		☐ Standing	☐ Flowing	
Status of surface water at the time of inspection?	Observations/Notes:				
Location: Knight's Brook − 2 (Downstream in Brook) Status of surface water at the time of inspection?	Location: Knight's Brook – 1 (Upstream in Broo Status of surface water at the time of inspection?	_	☐ Standing	⊠ Flowing	
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? □ Dry □ Standing ☑ Flowing pH: 7.2 Observations/Notes: Location: Hannah – 1 (Wetland NW-22) Status of surface water at the time of inspection? ☑ Dry □ Standing □ Flowing	Status of surface water at the time of inspection?		☐ Standing	⊠ Flowing	
Status of surface water at the time of inspection?	Observations/Notes:				
Location: Hannah – 1 (Wetland NW-22) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing	Status of surface water at the time of inspection?			☑ Flowing	
Status of surface water at the time of inspection?	Observations/Notes:				
	Status of surface water at the time of inspection?	⊠ Dry	☐ Standing	☐ Flowing	
Observations/Notes:	Observations/Notes:				

Newington, New Hampshire

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Location: Hannah – 2 (Wetland NW-24) Status of surface water at the time of inspection? pH:	⊠ Dry	☐ Standing	☐ Flowing
Observations/Notes: No standing water, saturated soil			
Location: Flynn Pit – 1 (Wetland NW-4) Status of surface water at the time of inspection? pH: 6.4	☐ Dry	⊠ Standing	☐ Flowing
Observations/Notes: Small isolated pockets of surface water			
Location : Status of surface water at the time of inspection? pH:	☐ Dry	☐ Standing	☐ Flowing
Observations/Notes:			

OTHER COMMENTS AND OBSERVATIONS

• No visible standing water at 29 Gundalow – 1, 64 Gundalow – 1, 64 Gundalow – 2, and 4 Brickyard Circle – 1



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TYPE OF INSPECTION: ☐ Daily ☐ Weekly ☐ Storm Event ☐ Reduced Frequency ++					
☐ Other:					
Date: 6/25/2020 Time: 1100 ⁺ 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): On 6/24 variable rain, scattered thunderstorms throughout afternoon and evening					
Amount of rainfall (inches): 0.29					
++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): 6/24 cloudy AM with variable rain and scattered thunderstorms PM, 6/25 mostly cloudy					
Weather conditions (time of inspection): Cloudy, Mid 70's					
pH Meter Information (make/model): Hanna HI98107					
Calibration Method: 2 Point Date: 6/25/20 Time: 1055					
Notes:					

PROJECT TEAM

PROJECT OWNER

Eversource

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Reliability Project

Location:

Newington, New Hampshire

GZA Project No:

04.0190967.00

• 29 Gundalow resident periodically watering new grass/sod. Watering not occurring at time of inspection.

PHOTOGRAPHS 29 Gundalow -1 (Drainage Area) 29 Gundalow -2 (Culvert) 64 Gundalow - 1 (Drainage Course) 64 Gundalow -2 (Drainage Course) 64 Gundalow – 2 (Drainage Course) 4 Brickyard Circle - 1 (Drainage Course)



DRAINAGE AREA MONITORING
Location: 29 Gundalow – 1 (Drainage Area) Status of surface water at the time of inspection?
pH:
Observations/Notes: No water at surface
Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing
pH: 8.0
Observations/Notes: ~ 1" of standing water in culvert
Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection?
Observations/Notes: Less than 0.5" standing water, not enough to measure
5555. Tallong, Total. 2005 than 0.0 standing water, not enough to measure
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing □ Flowing pH:
Observations/Notes:
Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing pH:
Observations/Notes:
Location: Knight's Brook − 1 (Upstream in Brook) Status of surface water at the time of inspection? □ Dry □ Standing ☒ Flowing pH: 7.1
Observations/Notes:
Location: Knight's Brook – 2 (Downstream in Brook) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☒ Flowing pH: 7.2
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: 7.2
Observations/Notes:
Location: Hannah – 1 (Wetland NW-22) Status of surface water at the time of inspection? ☐ Dry ☐ Standing ☐ Flowing pH:
Observations/Notes:

Newington, New Hampshire

Page 5 of 5

Location: Hannah – 2 (Wetland NW-24) Status of surface water at the time of inspection? pH:	⊠ Dry	☐ Standing	☐ Flowing	
Observations/Notes: No standing water, saturated soil				
Location: Flynn Pit – 1 (Wetland NW-4) Status of surface water at the time of inspection? pH: 5.8	☐ Dry	⊠ Standing	☐ Flowing	
Observations/Notes: No standing water at monitoring location, reading taken approximately 5' southeast into wetland				
Location: Status of surface water at the time of inspection? pH: Observations/Notes:	□ Dry	☐ Standing	☐ Flowing	
Observations/Notes.				

OTHER COMMENTS AND OBSERVATIONS

• No visible standing water at 29 Gundalow – 1, 64 Gundalow – 1, 64 Gundalow – 2, and 4 Brickyard Circle – 1



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TYPE OF INSPECTION:
☐ Other:
Date: 6/26/2020 Time: 0745 ⁺ 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): No measurable precipitation
Weather conditions (time of inspection): Partly Cloudy, Low 70's
pH Meter Information (make/model): Hanna HI98107
Calibration Method: 2 Point Date: 6/26/20 Time: 0740
Notes:

PROJECT TEAM

PROJECT OWNER

Eversource

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• 29 Gundalow resident periodically watering grass/sod. No watering occurring at time of inspection.

PHOTOGRAPHS 29 Gundalow -1 (Drainage Area) 29 Gundalow -2 (Culvert) 64 Gundalow – 1 (Drainage Course) 64 Gundalow -2 (Drainage Course) 64 Gundalow – 2 (Drainage Course) 4 Brickyard Circle - 1 (Drainage Course)

DRAINAGE AREA MONITORING	
Location: 29 Gundalow – 1 (Drainage Area) Status of surface water at the time of inspection? ☐ Dry ☐ Standing pH:	∫ ∏ Flowing
Observations/Notes: No water at surface	
Location: 29 Gundalow – 2 (Culvert) Status of surface water at the time of inspection? ☐ Dry ☑ Standing pH: 7.9	」 □ Flowing
Observations/Notes: Standing water approx. 1" deep, extending 8" from e	nd of inlet
Location: 64 Gundalow – 1 (Drainage Course) Status of surface water at the time of inspection? □ Dry □ Standing □ Dry □ Standing	」
Observations/Notes:	
Location: 64 Gundalow – 2 (Drainage Course) Status of surface water at the time of inspection? ☐ Dry ☐ Standing pH:	」 □ Flowing
Observations/Notes: Location: 4 Brickyard Circle – 1 (Drainage Course) Status of surface water at the time of inspection?	J □ Flowing
Observations/Notes: No visible standing water	
Location: Knight's Brook − 1 (Upstream in Brook) Status of surface water at the time of inspection? □ Dry □ Standing pH: Not Monitored	J ☐ Flowing
Observations/Notes:	
Location: Knight's Brook − 2 (Downstream in Brook) Status of surface water at the time of inspection? □ Dry □ Standing pH: Not Monitored	☐ Flowing
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 pH: Not Monitored	☐ Flowing
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? 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

• No visible standing water at 29 Gundalow – 1, 64 Gundalow – 1, 64 Gundalow – 2, and 4 Brickyard Circle – 1.