

# FIELD REPORT #010

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<b>Date:</b>	October 12, 2022	<b>Project #:</b>	2021-083	<b>Page 1 of 3</b>
<b>To:</b>	Town of Effingham 68 School Street Effingham, NH 03882	<b>Project:</b>	Bailey Road Culvert Replacement	
<b>Email:</b>	townofeffingham@effinghamnh.net	<b>Location:</b>	Effingham, NH	
<b>Prepared By:</b>	Eric Schroeder	<b>Owner:</b>	Town of Effingham	
<b>Reviewed &amp; Approved By:</b>	Christopher Fournier, PE	<b>Contractor:</b>	Jake Dawson's Excavation & Utility Services, LLC	
		<b>Weather Conditions:</b>	72° Sunny	

## SITE VISIT

**Arrived at site:** 1:00 PM

**Left site at:** 2:00 PM

### **Personnel & Equipment on site:**

- » HEB Engineers, Inc. (HEB): Eric Schroeder
- » Jake Dawson's Excavation & Utility Services, LLC (Dawson's): Owner (Jake), Foreman (Andy), 1 Laborers
- » Dawson's Equipment:
  - 1 Case Loader, 621F (idle)
  - 1 Case Excavator, CX145DSR
  - 1 Case Excavator, CX245DSR (idle)

### **Visitors to site:**

- » None.

### **Purpose of Site Visit:**

- » To observe installation of the roadway shoring system.

### **Work Performed by Contractor since last site visit:**

- » The Contractor removed the inlet and middle length of the original bypass system and sealed the outlet length before backfilling.
- » The Contractor excavated further towards the north end resulting in a traffic closure. During the closure, the existing CMP culverts were crushed and folded to prevent water from passing into the excavation. The alternating one-way traffic lane was then restored and opened.

### **Work Performed by Contractor during HEB site visit:**

- » The Contractor set the outlet length of HDPE on all three bypass culverts. The Contractor backfilled with the existing roadway materials and compacted using the bucket of the excavator.

### **Items discussed/observed:**

- » The Engineer verified that the bypass culverts output is within the permitted wetland impact areas.
- » The Contractor reported he had once again contacted the Eversource head of line transmission in regards to de-energizing the power lines on site. The Contractor stated they had reduced his window of de-energizing the lines from 8 hours to 2 hours.
- » The Contractor installed deadmen anchors to hold the northeast wall of sheet pile from caving into the excavation (see Photos 1 and 2). The Contractor reported that the head pressure from the saturated backfill is too much for the sheet pile to withstand. The Contractor reported he excavated the original bypass culvert outlet

length to verify if the seal was leaking. They confirmed that it was not. The Contractor also reported they placed polyethylene sheeting along the inlet area when they backfilled in the location of the removed original bypass culvert.

- » The Contractor has concerns about being able to place the wingwall footing due to the wall of sheet pile encroaching on the placement area. The Contractor requested the culvert be moved upstream to accommodate for the soil retention issue. The Engineer replied that HEB would need to discuss internally before providing recommendations.
- » The Contractor continues to dewater the excavation. The sedimentation basin is still not installed according to the permitted detail.

**Work Scheduled:**

- » Tuesday, October 18, 2022 – Install trench box.

**Outstanding Construction Issues:**

- » Stabilize site in accordance with erosion control requirements (FR#005, 09/22/22).
- » Install silt fence along the southern edge of the site (FR#008, 10/04/22).
- » Install sedimentation basin according to permitted detail (FR#008, 10/04/22).
- ~~» Verify that bypass culverts do not impact non-permitted wetlands. (FR#009, 10/07/22).~~
  - The Engineer confirmed the bypass does not affect nonpermitted wetland areas.
- » Determine if the culvert location will change.

**Next Observation:**

- » To be determined.

**Photos:**

- » Taken by Eric Schroeder on October 12, 2022.



Photo 1: East wall of sheet pile is caving

into excavation.

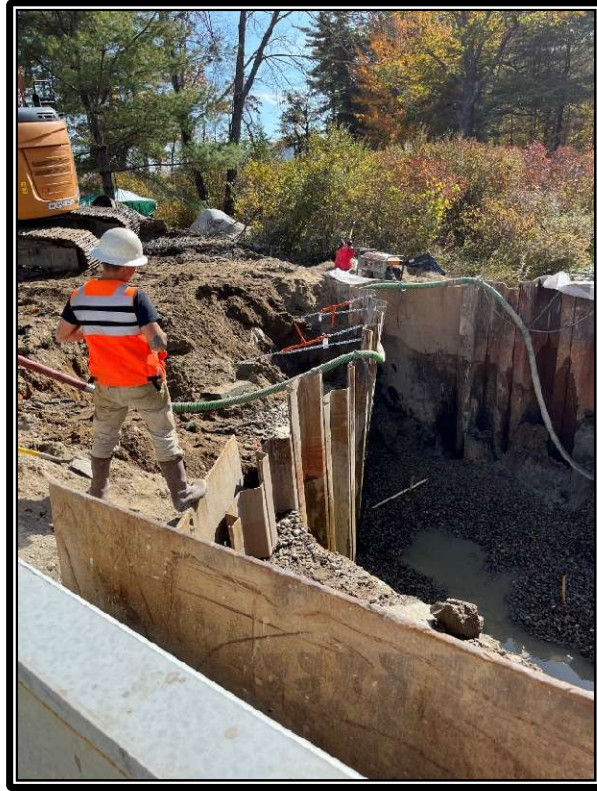


Photo 2: East sheet piles supported by deadmen anchors.

Copy: Jake Dawson's Excavation & Utility Services, LLC  
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