

FIELD REPORT #016

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Date:	November 1, 2022	Project #:	2021-083	Page 1 of 3
To:	Town of Effingham 68 School Street Effingham, NH 03882	Project:	Bailey Road Culvert Replacement	
Email:	townofeffingham@effinghamnh.net	Location:	Effingham, NH	
Prepared By:	Eric Schroeder	Owner:	Town of Effingham	
Reviewed & Approved By:	Christopher Fournier, PE	Contractor:	Jake Dawson's Excavation & Utility Services, LLC	
		Weather Conditions:	59° Sunny	

SITE VISIT

Arrived at site: 10:00 AM

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): Andy (Foreman), 1 Laborer
- » S.W. Cole Inc.: 1 Material Tester
- » Dawson's Equipment:
 - 1 Case Loader, 621F (idle)
 - 1 Case Excavator, CX145DSR
 - 1 Case Excavator, CX245DSR (idle)
 - 1 Case Roller, 602B (idle)

Visitors to site:

- » Town of Effingham: Lenny Espie (Selectman)

Purpose of Site Visit:

- » To observe the backfill of the first phase of concrete box culvert installation.

Work Performed by Contractor since last site visit:

- » The Contractor continues to dewater the excavation.

Work Performed by Contractor during HEB site visit:

- » S.W. Cole arrived on site at 10:30 AM. S.W. Cole informed the Engineer that because they did not have a proctor, they would not be able to provide compaction results for a few days.
- » S.W. Cole tested the top layer located 3.5 feet from the top of the culvert in two spots on both sides (see Photo 1).
- » After the first round of testing the Contractor placed and compacted another 8-inch lift of backfill.
- » S.W. Cole then tested this layer in two spots on both sides. The tester reported that the fill had a mid-120s dry density and a moisture content near 5%. After the second round of tests, S.W. Cole left the site.
- » The Contractor then began removing sheet piles on both sides of the excavation (see Photo 2).

Items discussed/observed:

- » The Engineer reminded the Contractor that the sedimentation basin needs to be installed according to the permitted detail.

Please notify HEB if any information is missing from this field report or has been interpreted differently.

- » The Engineer discussed where the streambed material would be sourced from. Jake Dawson stated that it needs to be created.
- » The Contractor stated they intend to replicate the shoring from phase 1 to phase 2 of construction.
- » The Contractor stopped installing 8-inch lifts approximately 3 feet from the top of the box culvert. The Contractor intends to leave the I-beams supporting the south wall of sheet pile in the ground until the spring. They will be removed during roadway reconstruction during the spring, and the remaining 3' will be backfilled and compacted.
- » Lenny (Town of Effingham) informed the Engineer that the Town does not think that the road needs to be temporarily paved before the winter. The Engineer replied that HEB would send the town their formal recommendation, but ultimately it is the Town's decision.
- » The Engineer observed the sheet pile being removed from the sides of excavation. The sheet pile removal did not appear to significantly impact the compacted granular backfill.

Work Scheduled:

- » Wednesday, November 2, 2022 – Open phase 1 to traffic and begin phase 2 of construction.

Outstanding Construction Issues:

- » Install sedimentation basin according to permitted detail (FR#008, 10/04/22).
- » Provide verification of horizontal placement of the box culvert (FR#014, 10/26/22).

Next Observation:

- » Wednesday, November 2, 2022 – Observe switch from phase 1 to phase 2.

Photos:

- » Taken by Eric Schroeder on November 1, 2022.

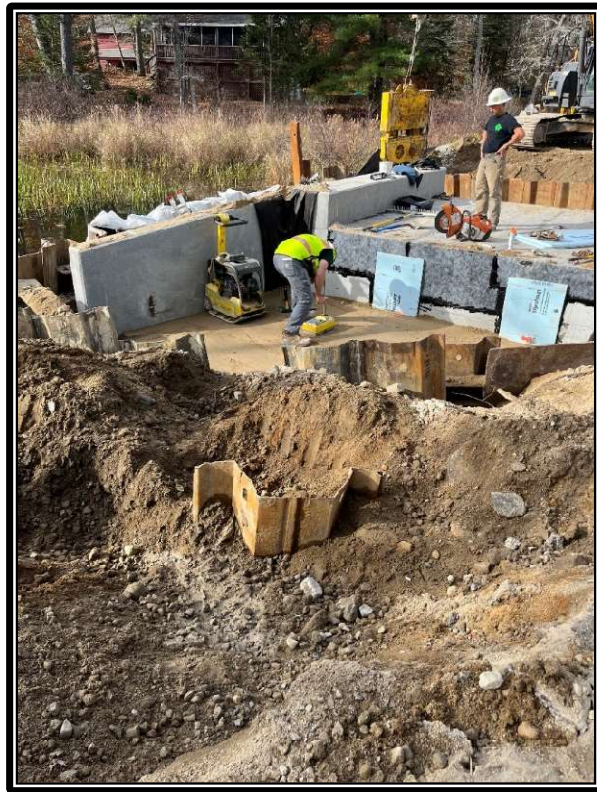


Photo 1: S.W. Cole testing the backfill.



Photo 2: Sheet pile on the sides of the excavation being removed.

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