

FIELD OBSERVATION REPORT

Project: Longmeadow Rd & Ole Musket Rd – Drainage Improvements
Client: Town of Cumberland
GP Field Rep: Sam Foglio (SF) – AM
Kasey Northrop (KN) – PM
Weather: Rain, Cloudy
Time onsite: 9:30 AM – 10:30 AM/ 1:00 PM – 1:45 PM
Contractor: A.H. Grover, Inc.
Distribution: File; Town of Cumberland

GP Project No: 3656
Visit Date: April 18, 2023
Report Date: April 18, 2023
Temp. Range: 50-52°F

Work in Progress

- A.H. Grover, Inc. has installed DMH 1 and is excavating towards DMH 2.

Work Conducted by GP Representative

- Review the construction for drainage improvements on Longmeadow Road.

Discussions & Observations

Overall Longmeadow (04/18/23)

- Prior to arrival in the morning, DMH 1 had been installed and backfilled with material consistent with MDOT 703.22 Type B Underdrain. (Photo 1)
 - The 15" SD installed from CB 11 yesterday was continued approximately 37 feet to DMH 1 prior to arrival.
- While on site in the AM and PM, A.H. Grover, Inc. actively worked on installing 15" SD between DMH 1 and DMH 2.
 - No rock ledge appears to be present (Photo 2)
 - Approximately 153 feet of 15" SD was installed between DMH 1 and DMH 2 prior to ending the workday. The 15" SD was embedded with material consistent with MEDOT 703.22 Type C $\frac{3}{4}$ " Crushed Stone to the spring line of the pipe. (Photo 3) As pictured in photo 3, material that appeared to be MEDOT 703.22 Type B Underdrain was used to backfill the 15" SD approximately 1.75 feet from the spring line. Suitable excavated material stored to the side of the trench was used to backfill the trench to the subbase layer. 18" of subbase material consistent with MEDOT 703.06 was installed, then compacted with efforts of a Remote-Control RTSC3 Wacker Neuson. (Photo 4)
 - Crew members use a laser level and survey rod while installing the storm drain to ensure grade. (Photo 5)
- Crew members with A.H. Grover, Inc. makes efforts to avoid underground utilities.
 - Ben Grover and Stewart are pictured hand shoveling to avoid underground utilities. (Photo 6) Photo 7 shows the underground utility avoided.
- A.H. Grover, Inc. makes efforts to communicate with homeowners.
- The table below reflects the approximate quantities as of the end of the day April 18, 2023:

Item/Description	Units	Today's Quantities (04/18)	Quantities to Date
603.159 – 12" Culvert Pipe Option III	LF	0	12.2
603.169 – 15" Culvert Pipe Option III	LF	190	240
604.131 – 4' Diameter Catch Basin	EA	1	2



People on Site

- Ben Grover; A.H. Grover, Inc.
- Matt Grover; A.H. Grover, Inc.
- Stewart; A.H. Grover, Inc.
- 2-3 Person Crew; A.H. Grover, Inc.

Visitors

- None

Concerns or Questions

- **None at this time**

Action Items

- **Communicate with homeowners as needed.**

Prepared By: Kassey Northrop

Reviewed By: Doug Reynolds, PE

If there are any discrepancies, please notify the sender immediately.



Photos



Photo 1 – DMH 1 (circled in red) installed. Matt Grover excavating towards DMH 2 for SD installation.



Photo 2 – Trench excavated full depth and no ledge rock present.



Photo 3 – Stormdrain embedded with $\frac{3}{4}$ " stone and backfilled with suitable excavated material.



Photo 4 – Remote-Control Wacker Neuson compacting backfill material in the trench.



Photo 5 – Crew member using survey rod to check grade of pipe installed in trench.



Photo 6 – Ben Grover and Stewart hand shoveling to locate underground utilities.



Photo 7 – Underground utility (circled in red) found and avoided.