

## FIELD OBSERVATION REPORT

Project: Longmeadow Rd & Ole Musket Rd – Drainage Improvements  
Client: Town of Cumberland  
GP Field Rep: Sam Foglio (SF)  
Weather: Rain, Cloudy  
Time onsite: 9:30 AM – 10:30 AM/ 3:30 PM – 3:45 PM  
Contractor: A.H. Grover, Inc.  
Distribution: File; Town of Cumberland

GP Project No: 3656  
Visit Date: April 17, 2023  
Report Date: April 18, 2023  
Temp. Range: 45-50°F

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### **Work in Progress**

- A.H. Grover, Inc. has marked out the saw cut areas of Longmeadow Road and began excavation at the existing catch basin in the cul-de-sac.

### **Work Conducted by GP Representative**

- Review the construction for drainage improvements on Longmeadow Road.

### **Discussions & Observations**

#### **Overall Longmeadow (04/17/23)**

- It was observed that on 04/11/23, the three evergreen trees located at 12 Longmeadow Drive were removed. (Photo 1)
- Prior to arrival in the morning, A.H. Grover, Inc. had saw cut Longmeadow Rd, approximately 5 feet wide where stormdrain and structures are proposed. (Photo 2)
- Storm drain pipes and structures are have been stored a long the right-of-way in areas where they are proposed, but not placed in areas that appear to place a direct burden on vehicle traffic and homeowners. (Photo 3)
  - Gravel stockpiles are located in the cul-de-sac area. (Photo 4)
- While on-site in the morning, crew members with A.H. Grover actively installed 15" SD from Exist. CB 1 towards CB 11.
  - The 15" SD was embedded with material consistent with MEDOT 703.22 Type C ¾" Crushed Stone to the spring line of the pipe. (Photo 5) Material that appeared to be MEDOT 703.22 Type B Underdrain was used to backfill the 15" SD approximately 1.75' from the spring line, as seen in photo 5.
  - Suitable excavated material was stored to the south of the trench and was used for backfilling to the bottom of the subbase layer. It appeared that 18" of MEDOT 703.06 was used as subbase to existing grade.
  - The layers of gravel as described above appear to be compacted with efforts of a plate compactor and Remote-Control RTSC3 Wacker Neuson.
- Upon arrival in the afternoon, catch basins 11 and 14 had been installed.
  - The catch basins appeared to be embedded with ¾" crushed stone. Material consistent with MEDOT 703.22 Type B appeared to be used as backfill for installing the catch basins. Subbase material consistent with MDOT 703.07 Type D was used to temporarily cover (with a plate over the 2' opening) the catch basin until the frame and cover is installed. (Photo 6)
  - The 15" SD from the morning visit installed from Exist. CB 1 was continued to CB 11 and 12.2 feet of 12" SD was installed between CB 11 and CB 14, in the same efforts as described above. Prior to ending the work day, A.H. Grover, Inc installed a small segment of 15" SD from CB 11 towards DMH 1 for a total of 50 feet of 15" SD installed for the day.
- There appears to be no rock ledge present to this point.
- Crew members with A.H. Grover, Inc. makes efforts to avoid underground utilities.
  - As can be seen in photo 5 mentioned above, a utility service to 20 Longmeadow drive was avoided by hand shoveling. Upon installation of CBs 11 and 14, the service appeared to be backfilled accordingly as can be seen in photo 6.
- 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 17, 2023:

Item/Description	Units	Today's Quantities (04/17)	Quantities to Date
201.23 – Removing Single Tree Top	EA	0	3
603.159 – 12" Culvert Pipe Option III	LF	12.2	12.2
603.169 – 15" Culvert Pipe Option III	LF	50	50
604.131 – 4' Diameter Catch Basin	EA	1	1
604.161 – Altering Catch Basin	EA	1	1
604.248 – Catch Basin Type F6	EA	1	1

#### **People on Site**

- Ben Grover; A.H. Grover, Inc.
- Matt Grover; A.H. Grover, Inc.
- Stewart; A.H. Grover, Inc.
- Matt McGovern; 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 – Evergreen trees removed from 12 Longmeadow Drive. The woodchipper appeared to feed directly into the bed of a truck where the chippings were collected and hauled off-site.



Photo 2 – Saw cut for trench area on Longmeadow Rd





Photo 3 – Stormdrain pipe stored in open areas.



Photo 4 – Stockpiles located in the cul-de-sac.





Photo 5 – The layers of gravel, separated by red lines are shown accordingly. Also, circled in red is a utility service avoided.



Photo 6 – CB 11 and CB 14 installed and temporary backfilled until frame and covers are installed. Circled in red is the same utility service circled in photo 5 backfilled accordingly.