

FIELD OBSERVATION REPORT

Project: Longmeadow Rd & Ole Musket Rd – Drainage Improvements
Client: Town of Cumberland
GP Field Rep: Kassey Northrop (KN)
Weather: Cloudy
Time onsite: 10:30 AM – 11:30 AM
Contractor: A.H. Grover, Inc.
Distribution: File; Town of Cumberland

GP Project No: 3656
Visit Date: May 2, 2023
Report Date: May 3, 2023
Temp. Range: 50-51 °F

Work in Progress

- A.H. Grover, Inc. has removed the existing pavement in the cul-de-sac of Longmeadow Road and reshaped it with material consistent with MaineDOT Type 703.06 Type A Gravel, then prepped the road for paving.

Work Conducted by GP Representative

- Review the construction for drainage improvements on Longmeadow Road.

Discussions & Observations

Overall Longmeadow (05/02/23)

- Upon arrival in the morning, crew had removed the existing pavement in the cul-de-sac area. (Photo 1)
 - With efforts of the dozer and excavator, operated by Ben and Matt Grover, material consistent with MaineDOT Type 703.06 Type A gravel was installed, approximately 3", the area of the cul-de-sac, graded to drain towards the catch basins. (Photo 2)
 - To eliminate confusion on the pay item review, the common excavation for the removal of the existing pavement, as well as the shimming of surface gravels will not be included in the base bid quantity tables as pay items, but as an additional change order. KN has calculated the apparent cubic yardage of these items as follows: Based on the measurement of 4,900 square feet, in the cul-de-sac area, approximately 91 cubic yards of common excavation was done, as well as the shimming of approximately 45 cubic yards of surface gravel consistent with MaineDOT 703.06 Type A gravel. The 19.0 mm pavement for the cul-de-sac reconstruction will be included in tomorrow's overall tonnage.
 - The 2" conduit crossing was installed to the pump station area prior to arrival at a length of approximately 27 feet. This is accounted for under Pay Item 625.143 – 4" Pipe Sleeve.
- While on site, Ben Grover operated a 627D John Deere grader to fine grade Longmeadow Road for paving. (Photo 3)
 - The grader appeared to be pitched at 2% towards the gutter line, as can be seen in photo 3.
 - Crew used a rake to grade the surface gravels at the driveway aprons (Photo 4)
 - A 10-ton roller was used to compact surface gravels. The 10-ton roller used can be seen in the background of photo 1.
 - Water valves were raised to grade for the installation of 19.0 mm HMA tomorrow, May 3rd, 2023.
- Three total density tests were taken on-site.
 - Two density tests were taken in the full depth reconstruction section between STA 9+05 and STA 10+45, and one density test was taken in the full depth reconstruction section between STA 12+37 and STA 12+57. All three density tests passed; the results will be forwarded upon receipt.
- The table below reflects the approximate quantities as of the end of the day May 2, 2023:

Item/Description	Units	Today's Quantities (05/02)	Quantities to Date
625.143 – 4" Pipe Sleeve	LF	27	27
651.03 – Density Test	EA	3	3
Additional Change Order – Cul-de-sac Reconstruction	LS	1	1



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 – Existing pavement removed from cul-de-sac.



Photo 2 – Ben Grover operating dozer to push surface gravels into place.



Photo 3 – Ben Grover operating the John Deere grader at an apparent 2% pitch towards the gutter.



Photo 4 – Alex Grover surfacing the driveway aprons with material consistent with MaineDOT 703.06 Type A.