

## FIELD OBSERVATION REPORT

Project: Longmeadow Rd & Ole Musket Rd – Drainage Improvements  
Client: Town of Cumberland  
GP Field Rep: Kassey Northrop (KN)  
Weather: Overcast  
Time onsite: 7:45 AM – 4:30 PM  
Contractor: A.H. Grover, Inc.  
Subcontractor: Dayton Sand and Gravel  
Distribution: File; Town of Cumberland

GP Project No: 3656  
Visit Date: May 3, 2023  
Report Date: May 4, 2023  
Temp. Range: 44-49°F

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### **Work in Progress**

- Dayton Sand and Gravel has installed 19.00 mm HMA on the reconstructed areas of Longmeadow Road, and some of the trench/road widening areas. A.H. Grover, Inc. has completed all road widening areas.

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

- Review the construction for drainage improvements on Longmeadow Road.

### **Discussions & Observations**

#### **Overall Longmeadow (05/03/23)**

- Upon arrival in the morning, the cul-de-sac area had been fine graded and prepped for paving (Photo 1)
- Crew with Dayton Sand and Gravel, with the assistance of A.H. Grover, Inc. began placing 19.0 mm HMA around 8:20 AM in the pad area to the pump station, then began at the cul-de-sac.
  - The ambient air temperature at the start of paving was 48 °F.
  - Crew used a wheelbarrow to place the 19.0 mm HMA by hand at the pad to the pump station, then compacted the pad with efforts of a plate compactor. (Photo 2)
  - A CR552 – Bomag paver was used to place the pavement the remainder of the day, and dump trucks were used to feed the hopper of the paver. (Photo 3)
  - Dayton Sand and Gravel supplied the 19.0 mm HMA.
  - HMA was compacted with efforts of a 10-ton BW161ADD Tango Vibratory roller, a 5-ton SAKAI SW502S-I Vibratory roller, and a 1-ton wacker neuson vibratory roller for finishing. (Photo 4)
  - Tack was observed to be placed on the existing pavement's edges prior to placing HMA and jointing.
  - At various times, it was observed that when the dump truck extended its bucket fully up, no clumping of HMA was stuck at the top, indicating that the HMA was not under temperature.
  - Driveway aprons were done by hand to ensure correct grade. (Photo 5)
  - A total of 17 trips were made to site to deliver a total of 394.28 tons of 19.0 mm HMA. (Photo 6)  
Crew stopped for the day upon completing the placement of pavement in the road widening section from CB 7 to CB 10, and installed pavement approximately 100 feet of pavement from DMH 4 towards DMH 5 before stopping for the day. A temporary placement of 19.0 mm HMA was placed between CB 10 to CB 9 for ease of vehicle traffic. (Photo 7) As this section of HMA was under temperature from sitting too long, it will be removed by A.H. Grover, Inc. upon paving the remainder of the trench from DMH 4 towards DMH 6 and the road widening section, described further below.
  - Fifteen of the seventeen trucks were checked for temperature and ranged from 280.1 °F to 317.8 °F, which is in acceptable range (275 °F - 325 °F).
  - It was anticipated, not counting driveway aprons and catch basin 'bird backs' that 356.22 tons of 19.0mm HMA would be placed, calculated at a 2.5" thickness for reconstructed areas, and 3.0" for trench/road widening areas.
  - Light rain commenced around 12 PM, and again around 2 PM, this did not appear to affect the paving installation.



- While Dayton Sand and Gravel installed HMA, A.H. Grover, Inc. widened the road from STA 0+35 to STA 3+86 to obtain 21 feet of road length from face of curb, which was not included in the plans.
  - This road widening area was approximately 351 feet long, and was excavated 2 feet wide, at a depth of 2.25' for a total of 58.5 additional CY of Common Excavation. Material consistent with MaineDOT 703.06 Type D gravel was installed in this area at a depth of approximately 2 feet for a total of 52.0 additional CY of Type D gravel. (Photo 8)
- A.H. Grover, Inc. makes efforts to communicate with homeowners.
  - KN and A.H. Grover, Inc. worked with homeowners to get them out of their driveways in a timely manner once aprons were paved.
- The table below reflects the approximate quantities as of the end of the day May 3, 2023:

Item/Description	Units	Today's Quantities (05/03)	Quantities to Date
203.20 – Common Excavation*	CY	58.5	533.5
304.104 – Aggr Subb – Type D	CY	52.0	437.0
403.207 – Hot Mix Asphalt (19 mm)	TON	394.28	394.28

**\*Due to an error on the table reflecting May 1, 2023 quantities for common excavation, the additional common excavation that was not accounted for on 05/01/23 was added to the table above under 'Quantities to Date'.**

#### **People on Site**

- Ben Grover; A.H. Grover, Inc.
- Matt Grover; A.H. Grover, Inc.
- Stewart; A.H. Grover, Inc.
- Alex Grover; A.H. Grover, Inc.
- 7-8 Person Crew; Dayton Sand and Gravel

#### **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**



Photos 1 – Cul-de-sac area fine graded and compacted upon arrival.



Photo 2 – Dayton Sand and Gravel crew compacting pad to pump station area.





Photo 3 – Crew using a CR552 – Bomag paver to place pavement.



Photo 4 – 10-ton roller used to compact 19.0mm HMA.





Photo 5 – Crew installing driveway apron by hand.

SCOTT  
SOLD  
TO:

SHIP 002223  
TO:

PO #1  
JOB ID: 002223

TIME	DATE	PLANT #	CUSTOMER #	TICKET #	TYPE MATERIAL	TRUCK #
02:47 PM	05/03/23	P1	SCOTT	152230	19.0 MM 65 gy	KFT

\*\*\* Batch \*\*\*

PRODUCT # - NAME / LOAD # - ACCUMULATED TOTALS				TRUCK WEIGHT			
IMFV DGG-DA22-19F18/LDS Today	10/LDS To Date	5345.0000	2940.0000	23982.0000			
602	394.28 Tn	26.73 TN	14.74 TN	11.99 TN			
19.0 MM 65 gyro	357.66 Mg	24.25 Mg	13.37 Mg	10.68 Mg			

Trk Desc. 252

DRIVER \_\_\_\_\_ RECVD BY \_\_\_\_\_

MIN	1120	2120	4624	7024	176	448.0	BATCH
MAX	20	1360	2360	4864	7464	4	224
ND	Tare	AGG4	AGG3	AGG2	AGG1	Tare	MNF
1	0	1240	2240	4760	7360	0	184
2	10	1240	2250	4770	7350	0	192
3	0	1240	2230	4750	7320	0	186
TOT		3760	3000	7560	7770	562	1370

Weightmaster Cory Maddox

A SERVICE CHARGE OF 1% WILL BE CHARGED AFTER 30 DAYS. ANNUAL INTEREST OF 18%.

LOAD TOTAL

Photo 6 – The last ticket collected on-site.





Photo 7 – Temporary patch of HMA placed between CB 9 and CB 10 for ease of vehicle traffic.



Photo 8 – Road widening/ Curb installation box cut area from STA 0+35 to STA 3+86.