

## FIELD OBSERVATION REPORT

Project: Gas Main – Cumberland-Falmouth-Yarmouth  
Client: Towns of Cumberland, Falmouth and Yarmouth  
GP Field Rep: Benjamin Grondin (BG)  
Weather: Sunny  
Temp. Range: 60-75°F  
Time onsite: Multiple visits

GP Project No: 1636.87  
Visit Date: September 8, 2017  
Report Date: September 11, 2017

### Summit Natural Gas

Summit Personnel: Jeff Gasperini  
Crew #1: ETTi – Foreman (Matt) and 4 man crew  
Equipment: CAT mini excavator, 2 dump truck

Crew #2: B&S Paving – Foreman (Rick) and 6 man crew  
Equipment: 1 ton dump truck, various hand tools

Distribution: File, Bill Shane, Chris Bolduc, Adam Theriault, Bryan Haberman, Bryan Foster, Bert Stefanic

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### Work in Progress – Town of Cumberland

- Crew #1 installing 4" gas main in the west bound shoulder on Skillin Road near Pond Shore Drive.
- Crew #2 paving gas main trenches on Balsam Drive

### Discussions & Observations

#### Crew #1:

#### Skillin Road

- Work Zone Closure: 1 lane closed on Skillin Road with flaggers maintaining alternating one way traffic.
- Crew installed approximately 200' of 4" gas main from the existing trench on Skillin Road from near Pond Shore Drive to near house #69 at approximately 40" depth via open trench method.
- 4" gas main was installed behind the curb in the vegetated area with limited pavement disturbance. A paved apron to a horse ring across from house #69 was sawcut and pavement removed for gas main install.
- All utilities located via manhole inverts, camera, electronic locator, or hand excavated.
- Depth of utilities are to top of pipe unless noted in table below.

Utility	Depth
6" underdrain	2'6"

- Due to the crew using a continuous coiled pipe, the 6" underdrain was sawcut so the 4" gas main pipe could be placed below the 6" underdrain. The underdrain was repaired with a Fernco coupling and wrapped in tape. Crew achieved >1' of separation between the 4" gas main and the 6" underdrain.
- The only existing utility is the 16" water main in the east bound lane on Skillin Road. Since the gas main is being installed in the west bound lane, >3' of parallel separation was achieved.
- Crew backfilled trench with sand around the gas main, with excavated material above the sand. Backfill was compacted in lifts with a jumping jack and plate wacker.



- Crew cleaned worksite and traffic returned to normal by 3:00PM

## Crew #2

### Balsam Drive

- Work Zone Closure: 1 lane closed on Balsam Drive to park equipment. Crew maintained local traffic.
- Crew removed the sawcut pavement and cold patch previously placed in the trench.
- Crew compacted gravel with a plate wacker.
- Ambient air temperature at the start of paving was measured to be approximately 68°F.
- 12.5mm HMA was measured to be 301°F which conforms the the MaineDOT Standard Specification range (275°F – 325°F).
- Edges of existing pavement were cleaned and tacked prior to placing 12.5mm HMA.
- Crew placed 12.5mm HMA in two lifts with each lift being compacted with a plate wacker only. Crew did not have a roller onsite.
- Crew hand built curb with 12.5mm HMA.

## Upcoming Work

- 4" gas main installation on Skillin Road to continue Monday (9/11)

## Restoration Required

Location	Length of Main or # of Services	Roadway Crossing Trench Patch (1)	Driveway Crossing Trench Patch (1)	Longitudinal Road or Shldr Trench Patch (1)	Sidewalk Trench Patch (1)	Pave Pothole (1)	Restore Gravel Shldr or Driveway (2)	Loam, Seed & Mulch (2)	EC Blanket (2)	Riprap (2)	Moratorium Roadway Restoration (1)	Comments
<b>MAINS</b>												
Skillin Road	200'		X					X				Driveway apron for horse ring across from pond shore drive.
<b>SERVICES</b>												

- (1) Gorrill Palmer must observe pavement during placement
- (2) Gorrill Palmer will observe restoration after completion

## Visitors on Site

- None observed.

## Concerns or Questions

- All gravel trenches within the roadway shall be monitored and repaired or treated for dust control as necessary.
- Hand built curb on Balsam shall be monitored as 12.5mm HMA was used instead of curb mix.



**Follow up Required**

- None at this time.

Prepared By: Benjamin Grondin, EI

Reviewed By: Drew Gagnon, EI

If there are any discrepancies, please notify the sender immediately



Compacting gravel with plate wacker.



Tacking existing pavement.





Completed trench paving with hand built curb.



Sawcut underdrain prior to pipe install and repair.