

## 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: 55-70°F  
Time onsite: Multiple visits

GP Project No: 1636.87  
Visit Date: October 17, 2017  
Report Date: October 18, 2017

### Summit Natural Gas

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

Crew #2: B&S Paving – Foreman (Rick) and 6 man crew  
Equipment: Volvo mini excavator, 2-dump truck

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 short side 1/2" gas service at #80 Skillin Road.
- Crew #2 paving on Castle Rock Drive.

### Discussions & Observations

#### Crew #1:

#### 80 Skillin Road

- Work Zone Closure: Skillin Road reduced to one lane with flaggers maintaining alternating one way traffic.
- Crew sawcut and removed pavement on the eastbound lane shoulder to locate water main.
- Crew hand excavated 1' below the elevation of the gas service and did not locate the water main therefore >1' of separation would be achieved.
- Crew began to automatic punch under Skillin road.
- All utilities located via manhole inverts, camera, electronic locator, or hand excavated.
- Depth of utilities is to top of pipe unless noted in the table below

| Utility        | Depth |
|----------------|-------|
| 16" water main | 44"+  |

- Automatic punch was not located at the exit pit in the vegetated area off the westbound lane shoulder.
- Crew sawcut and excavated in the westbound lane. Automatic punch was located at approximately 7' depth. Crew removed punch and air tube from the trench.
- Matt indicated they would not be installing pipe and would return to the site tomorrow to install pipe via open trench method.
- Crew backfilled trench with excavated material and gravel. Backfill was compacted in lifts with a jumping jack.
- Cold patch was not used as crew is returning to the site tomorrow (10/18).



- Crew cleaned worksite and traffic returned to normal by 5:15PM

### Crew #2:

#### B&S Paving

- Work Zone Closure: Castlerock Drive reduced to one lane with flaggers maintaining alternating one way traffic.
- Crew removed saw cut pavement at roadway crossing trenches and driveway crossing trenches.
- Gravel in trenches in the roadway were compacted with a plate wacker and 3-ton roller. Roadway crossing trenches were compacted with a plate wacker only.
- Edges of pavement were cleaned and tacked prior to placing 12.5mm HMA.
- Ambient air temperature at start of paving was approximately 55°F.
- Crew hand placed 12.5mm HMA in trench area.
- All loads of 12.5mm HMA conformed the the MaineDOT Standard Specification temperature range.
- 12.5 HMA was placed in lifts with each lift being compacted with a plate wacker and 3-ton vibratory roller on roadway crossings.
- On driveway crossings the first two lifts was compacted with a plate wacker only. The final lift was compacted with a plate wacker and 3 ton vibratory roller.
- Crew cleaned worksite and traffic returned to normal at approximately 4:00PM.

### Upcoming Work

- Gas service at Skillin Road (10/18).
- B&S paving sidewalks and roadway trenches at multiple locations (10/18)

### 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>    |                                 |                                   |                                    |   |                           |                  |                                      |                        |                |            |                                    |          |
| <b>SERVICES</b> |                                 |                                   |                                    |   |                           |                  |                                      |                        |                |            |                                    |          |
| 80 Skillin      | I                               | X                                 |                                    |   |                           |                  |                                      | X                      |                |            |                                    |          |

- (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.
- Ditch side slopes on Skillin Road require soft restoration as they were vegetated prior to gas main install.
- Notify GP when moratorium restoration at Balsam Drive will occur.

**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 final lift of roadway crossing trench with 3 ton roller.



Completed driveway crossing trench.





Trench open on westbound lane to locate automatic punch.



Westbound lane trench backfilled and compacted.