

## 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 11, 2017  
Report Date: October 12, 2017

### Summit Natural Gas

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

Summit Personnel: Rob  
Crew #2: ETTi – Foreman (Brandon) and 3 man crew  
Equipment: CAT mini excavator, 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 #194 Gray Road.
- Crew #2 installing long side 1/2" gas service at #9 Meadow Lane.

### Discussions & Observations

#### Crew #1:

##### 194 Gray Road

- Work Zone Closure: Two way traffic was maintained during short side gas service installation. Flaggers maintained "Slow" signs facing traffic.
- Crew installed short side 1/2" gas service at approximately 34" depth via open trench method.
- Crew sawcut and removed pavement in the shoulder of Gray Road to access 4" gas main.
- All utilities located via manhole inverts, camera, electronic locator, or hand excavated.
- No utilities were crossed for the short side service.
- Crew backfilled trench with sand around the gas main, with excavated material above the sand. Backfill was compacted in lifts with a jumping jack.
- Cold patch was not used as the trench location is in the shoulder and outside of the travel way.
- Crew cleaned worksite and traffic returned to normal by 1:30PM
- Crew moved to Skillin Road and began soft restoration in the previously disturbed vegetated area at the intersection of Skillin Road and Blanchard Road.

#### Crew #2:

##### 9 Meadow Lane

- Work Zone Closure: 1 lane closed on Meadow Lane with flaggers maintaining alternating one way traffic.
- Crew installed long side 1/2" gas service at approximately 34" depth via automatic punch method.



- Crew excavated trenches on both sides of the roadway for automatic punch method. No pavement was removed.
- 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
Water main	3'10"
Sewer Main	5'10"

- Crew achieved >1' separation at the sewer main crossing.
- Crew was only able to achieve approximately 10" of separation between the 1/2" gas service and water main due to the water mains proximity to the gas main.
- 1/2" gas service is not parallel to any existing utilities therefore >6' of separation was achieved
- BG observed some undermining of the roadway on the gas main side. Undermine was the result of locating the water main. BG indicated to Brandon the roadway will require a saw cut.
- Crew backfilled trench with sand around the gas main, with excavated material above the sand. Backfill was compacted in lifts with a jumping jack.
- Crew did not have a saw. Brandon marked out with paint the area to be saw cut on Meadow Lane.
- Crew place loam, seed, and mulch on disturbed vegetated areas.
- Crew cleaned worksite and traffic returned to normal by 5:15PM.

**Upcoming Work**

- Gas service at #156 Gray Road Thursday (10/12).

**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>												
194 Gray Road	1			X								
9 Meadow Lane	1			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.
- Castlerock drive will require moratorium repair.
- 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



Loam, seed, and mulch placed at intersection of Skillin and Blanchard.



Undermining of Meadow Lane for gas service



Placing loam in disturbed vegetated area on Meadow Lane