

## 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 16, 2017  
Report Date: October 17, 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 #136 Gray Road.
- Crew #2 installing long side 1/2" gas service at #381 Main Street.

### 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 automatic punch method.
- Crew did not remove pavement for the short side service.
- 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 #2:**

**381 Main Street**

- 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. Crew sawcut and removed pavement for automatic punch method.
- Crew removed a section of sidewalk for the gas service installation.
- 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	6'

- Crew achieved >1' separation at the water main crossing.
- 1/2" gas service is not parallel to any existing utilities therefore >6' of 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.
- Crew placed cold patch in the roadway shoulder trenches and the sidewalk trench.
- Crew did not have a saw. Brandon marked out with paint the area to be saw cut for cut backs on Main Street.
- Crew place loam, seed, and mulch on disturbed vegetated areas.
- Crew cleaned worksite and traffic returned to normal by 3:45PM

**Upcoming Work**

- Gas service at Skillin Road (10/17).

**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)	Mortarium Roadway Restoration (1)	Comments
<b>MAINS</b>												
<b>SERVICES</b>												
136 Gray Road	1							X				
381 Main Street	1			X				X				Replace curb

(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



Excavating outside of roadway on Gray Road.



Compacted backfill in shoulder trench on Main Street.





Compacting cold patch in roadway shoulder on Main Street



Compacting cold patch in sidewalk trench on Main Street