

## FIELD OBSERVATION REPORT

Project: Gas Main – Cumberland-Falmouth-Yarmouth  
Client: Towns of Cumberland, Falmouth and Yarmouth  
GP Field Rep: Benjamin Grondin (BG)  
Weather: Cloudy  
Temp. Range: 70-75°F  
Time onsite: Multiple visits

GP Project No: 1636.87  
Visit Date: July 18, 2017  
Report Date: July 19, 2017

### Summit Natural Gas

Crew #1: ETTi – Foreman (Brandon) and 4man crew  
Equipment: CAT mini excavator, One ton dump truck

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

---

### Work in Progress – Town of Cumberland

- Installing long side 1/2" gas service at 154 Foreside Road (Route 88).

### Discussions & Observations

#### Crew #1:

#### 154 Foreside Road

- Work Zone Closure: One lane closed on Foreside Road with flaggers maintaining alternating one way traffic.
- Crew sawcut and removed pavement and curb in the shoulder on each side of Foreside Road for gas service installation.
- Crew installed 1/2" gas service via open trench and automatic punch method.
- 1/2" gas service was installed at an approximate depth of 3'.
- 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
8" gas main	3'1"
12" stormdrain (northbound lane)	3'5"
8" water main	4'1"+
12" stormdrain (southbound lane)	3'1"
18" sewer	4'1"+

- Crew was unable to achieve >1' separation between the gas service and the 12" stormdrain in the northbound lane due to the Stormdrains proximity to the gas main.
- Crew was unable to achieve >1' separation between the gas service and the 12" stormdrain in the southbound lane due to using automatic punch method under Foreside Road. Crew could not deflect the 1/2" gas service enough to achieve separation.
- Crew backfilled trench and potholes with sand around the gas main and gravel. Backfill was compacted in lifts with a plate wacker.



- Cold patch was placed where pavement had been removed due to the amount of bicyclists and foot traffic on Foreside Road.
- Crew clean worksite and traffic returned to normal at approximately 6:00 PM.

#### Upcoming Work

- Main install on Route 100 to continue Thursday (6/20).

#### 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>												
154 Foreside Road	1			2				X				Replace removed 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

- Crew scratched roadway shoulder outside of the trench limits near the curb on Foreside Road with the blade on the bucket of the excavator. See photo below. GP to review with the Town of Cumberland to determine if area should be sawcut and replaced.

#### 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



Scratch from excavator bucket



Compacting gravel backfill



Compacting cold patch