

## 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: 63-75°F  
Time onsite: Multiple visits

GP Project No: 1636.87  
Visit Date: August 31, 2017  
Report Date: September 1, 2017

### Summit Natural Gas

Summit Personnel: Jeff Gasperini  
Crew #1: ETTi – Foreman (Matt) and 4 man crew  
Equipment: CAT 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 sawcutting trenches and installing 4" gas main in the west bound shoulder on Skillin Road near large culvert.

### 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 360' of 4" gas main from the existing trench on Skillin Road from near house #47 to near the lower driveway to house #60 at approximately 40" depth via open trench method.
- Due to the large culvert and the associated rip-rap slope and guard rail, the 4" gas main was installed near the fog line on the west bound lane side.
- BG observed an area of considerable undermining of existing pavement due to trench excavation on the western side of the large culvert. BG indicated to Jeff (Summit), the section of pavement will have to be sawcut beyond the undermined limit so compaction can be achieved. The area was marked with white paint prior to backfill.
- 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
1" water service to lower driveway of house #60	5'5"+
Hydrant lateral across from #47	5'5"+
Large Culvert	6'+

- >1' of separation on the hydrant lateral and water service crossings was achieved.



- The only existing utility is the 16" water main in the east bound lane on Skillin Road. The gas main is being installed in the west bound lane, therefore >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 5:30 PM.

#### Upcoming Work

- 4" gas main installation on Skillin Road to continue Tuesday (9/5)
- B&S to continue paving gas main trench on Tuesday (9/5)

#### 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	<b>360'</b>			<b>X</b>				<b>X</b>				
<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.

#### 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



Open trench over large culvert.



Pavement undermined on western side of large culvert.



Compacting sand layer with jumping jack



Backfill compacted with plate wacker and warning tape placed.