

## 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: 70-80°F  
Time onsite: Multiple visits

GP Project No: 1636.87  
Visit Date: September 12, 2017  
Report Date: September 13, 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 installing 4" gas main in the west bound shoulder on Skillin Road near Pond Shore Drive.

### 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 177' of 4" gas main from the existing trench on Skillin Road from near utility pole #25 to near house #76 at approximately 40" depth via open trench method.
- 4" gas main was installed in the vegetated area with no pavement removal.
- BG observed some undermining of the pavement adjacent to the trench near house #73. BG indicated to Jeff (Summit) the area will require a cut back. Jeff marked the pavement area to be sawcut with white paint.
- 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 #76	5'9"

- Crew hand excavated below the 4" gas main pipe at the location of the water service crossing. >1' of separation was achieved between the 4" gas main and water service.
- The 16" water main in the east bound lane on Skillin Road. Since the gas main is being installed in the west bound lane, >6' of parallel separation was achieved.
- BG observed exposed fabric and ¾" crushed stone on the roadside trench wall implying there may be an underdrain nearby. The 4" gas main was installed 3' from the trench wall. 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 plate wacker.
- Crew cleaned worksite and traffic returned to normal by 5:00PM



### Upcoming Work

- 4" gas main installation on Skillin Road to continue Wednesday (9/13)

### 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>177'</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

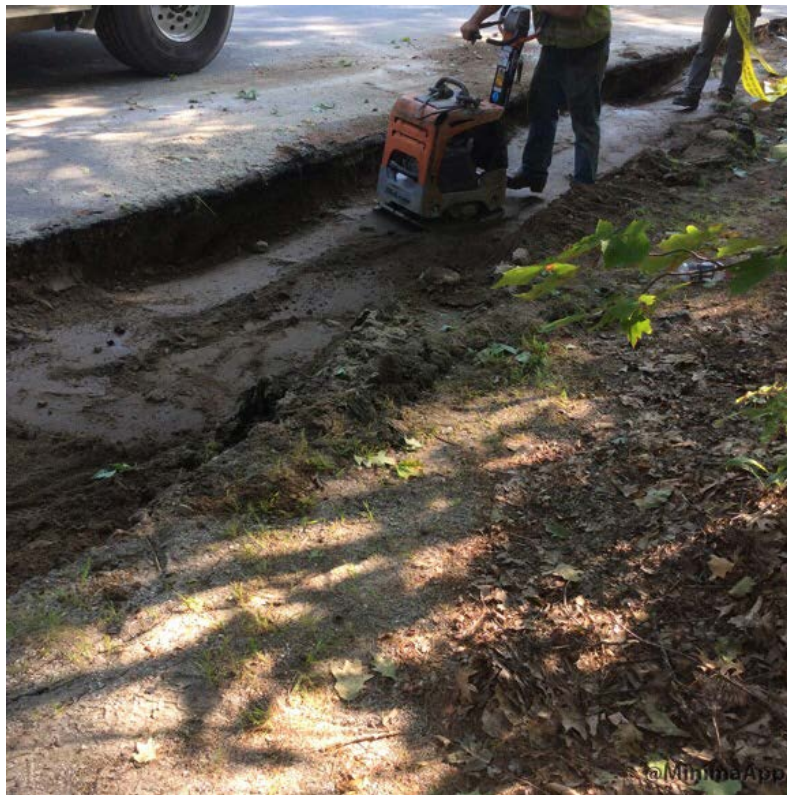
If there are any discrepancies, please notify the sender immediately



Undermining of the edge of roadway near #73.



Placing backfill in trench.



Compacting backfill with plate wacker.