

## 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: August 7, 2017  
Report Date: August 8, 2017

### Summit Natural Gas

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 eastbound shoulder on Blackstrap Road from the West Cumberland Fire Station to near Maine Turnpike Authority garage.

### Discussions & Observations

#### Crew #1:

#### Blackstrap road

- Work Zone Closure: One lane closed on Blackstrap Road with flaggers maintaining alternating one way traffic.
- Crew installing 4" gas main via open trench method.
- Crew installed approximately 280' of 4" gas main at approximately 3'4" depth from near the "fire danger" sign at the West Cumberland Fire Station to near the Maine Turnpike Authority garage on Blackstrap road.
- 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
12" stormdrain near fire danger sign	3'9"
12" stormdrain near fire hydrant	3'10"
Water service to field	4'4"+

- Crew hand excavated 1' below the gas main and did not locate the water service therefore >1' separation was achieved.
- Crew indicated they were unable to achieve >1' of separation at the stormdrain crossings due to the depth of the previously installed gas main. Deflection to acquire the separation would put the depth of the gas main at a greater depth than the previously installed gas main at the connection. A rock shield was placed between the gas main and stormdrain crossings.



- Crew backfilled trench with sand around the gas main and existing material. Backfill was compacted in lifts with a jumping jack.
- Cold patch was not placed in the trench at the westerly driveway crossing for the West Cumberland Fire Station due to the size and location of the trench. The gravel trench shall be monitored and repaired as necessary.
- Crew clean worksite and traffic returned to normal at approximately 4:00 PM.
- Crew had previously potholed to locate the depth of a water service when installing main via directional drill method. The pothole is on the seam of the westerly driveway entrance to the West Cumberland Fire Station and Blackstrap Road. Blackstrap Road is under moratorium. GP shall review the pothole with the Town of Cumberland to determine the restoration required.

### Upcoming Work

- Maine installation on Route 100 (8/8)

### 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>												
Blackstrap Road	<b>280'</b>		<b>X</b>					<b>X</b>				Near Fire Station
<b>SERVICES</b>												

- (1) Gorrill Palmer must observe pavement during placement  
(2) Gorrill Palmer will observe restoration after completion

### Visitors on Site

None

### Concerns or Questions

None at this time.

### 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



Pothole at seam of Blackstrap Road and West Cumberland Fire Station driveway



Trench across the westerly driveway to the West Cumberland Fire Station





Rock shield placed at stormdrain crossing



Compacting backfill with jumping jack