

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 15, 2017
Report Date: August 16, 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

Work in Progress – Town of Cumberland

- Crew #1 installing 4" gas main in the east bound shoulder on Skillin Road near Copp Motors.

Discussions & Observations

Crew #1:

Skillin Road

- Work Zone Closure: 1 lane closed on Skillin Road with flaggers maintaining traffic. The intersection of Skillin Road, Blackstrap Road, and Route 100 was maintained by flaggers as a four way stop due to the proximity to the intersection.
- Crew installed approximately 245' of 4" gas main from the existing trench on Skillin Road to #6 Skillin Road at approximately 40" depth.
- 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	4'2"
12" stormdrain	3'6"
2" Water service to Copp Motors	4'4"+

- Crew was not able to achieve >1' of separation on the stormdrain crossings. Crew was only able to achieve 10" and 4" respectively. A rock shield was placed between the 4" gas main and the 12" stormdrain at the crossings. >1' of separation was not achieved due to the depth and deflection that would have been required.
- >6' of parallel separation was not achieved between the gas main and water main for a portion of the run line near the intersection. Separation was not achieved due to the location of an existing catch basin and the utilities proximity to the Copp Motors property line.
- Crew backfilled trench with sand around the gas main and service, with excavated material above the sand. Backfill was compacted in lifts with a plate wacker.



- Cold patch was used in the section of the trench that was within the travel way on Skillin Road since this area has required frequent maintenance in the past when left gravel. The portion of the trench outside of the travel way was left gravel and shall be monitored and repaired as necessary.
- The driveway apron for the rear garage at Copp Motors appeared to be breaking away at the seam from the roadway due to trench excavation. Pavement shall be removed and replaced.
- Crew cleaned worksite and traffic returned to normal by 4:00 PM.

Upcoming Work

- B&S to continue paving trenches on Route 100 (8/17)
- 4" gas main installation on Skillin Road this week

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
MAINS												
Skillin Rd	245'		X	X				X				
SERVICES												

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

Visitors on Site

None observed.

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



Driveway apron breaking away at roadway seam



Backfill compacted and warning tape placed



Cold patch in roadway portion of trench