

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 14, 2017
Report Date: September 15, 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

Work in Progress – Town of Cumberland

- Crew #1 installing 4" gas main on Skillin road near the corner of Blanchard road.

Discussions & Observations

Crew #1:

Skillin Road

- Work Zone Closure: 1 lane closed on Skillin Road and Blanchard Road with flaggers maintaining alternating one way traffic.
- Crew installed approximately 550' of 4" gas main from the corner of Blanchard road to near house #80 at approximately 40" depth via open trench method.
- Crew installed 4" gas main on the westbound lane side in vegetated area.
- Crew exposed a 6" underdrain near the Skillin Road driveway to #292 Blanchard Road. The underdrain had an approximately 4' section of pipe between two bell ends at the location of the trench. The section of underdrain was removed for the 4" gas main installation. Crew then replace the section of underdrain between the two bell ends.
- BG observed several areas of undermining of pavement of the east bound lane shoulder. BG indicated to Jeff (Summit) the areas need to be sawcut beyond the limits of the undermine so the adequate gravel compaction can be achieved. Jeff marked the areas 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
36" culvert	45"
6" underdrain	32"

- Crew was not able to achieve >1' of separation from the 36" culvert due to cover required for the 4" gas main. Approximately 5" of separation was achieved and a rock shield was placed between the 36" culvert and 4" gas main.
- Crew achieved >1' of separation at the 6" underdrain crossing.
- >6' of parallel separation was achieved between the 4" gas main and 16" water main on the east bound lane side.



- 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 Monday (9/18)

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)	Mortarium Roadway Restoration (1)	Comments
MAINS												
Skillin Road	550'		X					X				Skillin road driveway to #292 Blanchard
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

- 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



Backfill compacted and warning tape placed in trench.



Roadway undermine due to trench excavation



Compacted backfill at the intersection of Blanchard and Skillin