

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: 75-85°F
Time onsite: Multiple visits

GP Project No: 1636.87
Visit Date: August 22, 2017
Report Date: August 23, 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 Tammy Lane.

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 280' of 4" gas main from the existing trench on Skillin Road from house number 18 to near house number 20 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 |
|-------------------|-------|
| Water service #20 | 4'10" |
| 12" Stormdrain | 3'9" |

- Crew did not achieve >1' of separation when crossing the 12" Stormdrain near house #20. Separation was not achieved due to the depth required to pass under the Stormdrain. Approximately 5" of separation was achieved. Crew placed the 4" gas main on top of the stone layer over the Stormdrain and placed a rock shield between the 4" gas main and stone layer.
- >3' of parallel separation was achieved between the gas main and 6" underdrain in the westbound shoulder of Skillin Road.
- BG observed some areas of undermining due to excavation. BG reviewed the areas with Jeff (Summit) and the areas were marked to be sawcut.
- Crew backfilled trench with sand around the gas main, with excavated material above the sand. Backfill was compacted in lifts with a plate wacker.
- At approximately 3:00PM the Fire Chief arrived onsite and indicated he wanted to take photos of the work zone for training purposes.
- Crew cleaned worksite and traffic returned to normal by 4:15 PM.



Upcoming Work

- 4" gas main installation on Skillin Road to continue Wednesday (8/23)

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 | 280' | | | X | | | | | | | | |
| SERVICES | | | | | | | | | | | | |

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

Visitors on Site

- 3:00PM – Cumberland Fire Chief.

Concerns or Questions

- The roadway trench on Skillin Road is in the travel lane. Dust generated by traffic is a concern. Gravel trench will be monitored and repaired or treated 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



Area of some undermining along trench wall.



Backfilling trench on Skillin Road.



Compacting backfill with plate wacker.