

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 16, 2017
Report Date: August 17, 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 Kathy 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 200' of 4" gas main from the existing trench on Skillin Road from near #6 Skillin Road to #11 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
Water service #5	6'
6" underdrain west side of Kathy Lane	48"
6" underdrain east side of Kathy Lane	36"
24" Stormdrain east bound shoulder on Skillin Road	46"

- Crew planned to continue the run line for the gas main in the east bound shoulder beyond Kathy Lane. Due to a narrowing Right-Of-Way across from Tammy Lane, the run line was adjusted to cross Skillin Road to the west bound shoulder at the western side of Tammy Lane. During excavation it was found that the 24" Stormdrain in the east bound shoulder was inside of the curb line instead of outside of the curb line. Jeff indicated to BG the run line will be adjusted again to cross Skillin Road near the eastern side of Kathy Lane to move away from existing utilities.
- During excavation behind the catch basin on the eastern side of Kathy Lane, the crew damaged a 24" Stormdrain. Damage was limited to the top of the Stormdrain. Crew repaired the Stormdrain with a



collar as the location was at the joining of two pipes. Crew used spray foam around the edges of the collar to fill any voids. Crushed stone was placed around the Stormdrain with fabric over the stone.

- Crew was not able to achieve >1' of separation on the 6" underdrain crossing on the west side of Kathy Lane. Approximately 8" of separation was achieved due to the depth of the underdrain. A rock shield was placed between the 4" gas main and the 6" underdrain at the crossing. >1' of separation was not achieved at the 6" underdrain crossing on the east side of Kathy Lane. Approximately 5" of separation was achieved due to the need to cross over a nearby 24" Stormdrain. A rock shield was placed between the 4" gas main and 6" underdrain. >1' of separation was not achieved at the 24" stormdrain crossing. Separation was not achieved as crew had originally planned to be parallel to the Stormdrain but the run line was adjusted due to existing utilities and a narrow Right-of-Way
- >3' of parallel separation was achieved between the gas main and 6" underdrain that crosses Kathy Lane. >6' of parallel separation was achieved between the 4" gas main and 16" water main.
- 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.
- Crew cleaned worksite and traffic returned to normal by 6:45PM.

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)	Mortarium Roadway Restoration (1)	Comments
MAINS												
Skillin	200'	X	X	X				X				Driveway #5, Kathy Lane, replace curb
SERVICES												

(1) Gorrill Palmer must observe pavement during placement

(2) Gorrill Palmer will observe restoration after completion



Visitors on Site

Bryan Haberman – Summit

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



Damaged 24" stormdrain.



Stormdrain repaired with collar



Fabric placed over crushed stone



Backfill compacted at #5 driveway crossing