

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: 55-70°F
Time onsite: Multiple visits

GP Project No: 1636.87
Visit Date: October 5, 2017
Report Date: October 6, 2017

Summit Natural Gas

Summit Personnel: Jeff
Crew #1: ETTi – Foreman (Matt B.) and 4 man crew
Equipment: CAT mini excavator, 2 dump truck

Summit Personnel: Rob
Crew#2: ETTi – Foreman (Brandon) and 3 man crew
Equipment: Cat mini excavator, 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 longside 1/2" gas service at #12 Castlerock Drive.
- Crew #2 installing 1/2" service at 67 Wyman Way.

Discussions & Observations

Crew #1:

Castlerock Drive

- Work Zone Closure: 1 lane closed on Castlerock Drive with flaggers maintaining alternating one way traffic.
- Crew installed longside 1/2" gas service to #12 Castlerock Drive at approximately 34" depth via open trench method.
- Crew removed roadway pavement and a section of curb for the roadway crossing trench for the gas service installation.
- 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 main	44"+
6" underdrain	36"
6" underdrain	36"
12" stormdrain	44"+

- Crew did not achieve >1' of separation at the underdrain crossings due to an effort to minimize the disturbance to the geotextile fabric under the roadway. A rock shield was placed between the 12" gas service and geotextile fabric above the underdrain.



- Crew backfilled trench with sand around the gas main, with excavated material above the sand. Backfill was compacted in lifts with a jumping jack.
- Crew cleaned worksite and traffic returned to normal by 4:00PM

Crew #2

- Work Zone Closure: Wyman Way reduced to 1 lane with flaggers maintaining alternating one way traffic.
- Crew installing 1/2" gas service via automatic punch method.
- Crew installed 1/2" gas service at approximately 34" depth.
- Crew sawcut and removed roadway pavement on Wyman Way to locate the water main and for automatic punch. A section of sidewalk pavement was also removed.
- 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 main	44"+
Sewer	44"+
underdrain	37"

- Crew achieved >1' of separation on the utility crossings.
- Crew achieved >6' from existing parallel utilities.
- Crew backfilled trench with sand around and the gas main and existing material. Backfill was placed in lifts with each lift compacted with a jumping jack.
- Cold patch was not used for the roadway or sidewalk trench on Wyman Way. BG indicated to Brandon leaving the roadway trench gravel was a concern due to its location. The area is on an incline and rain is forecasted.
- Crew cleaned work area and traffic returned to normal by 6:00 PM

Upcoming Work

- gas service installation on Castlerock Drive on Friday(10/6)

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												
SERVICES												
124 Castlerock	1	X						X			X	Replace curb
67 Wyman Way	1			X	X			X			X	Replace curb

(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.
- Castlerock drive and Wyman Way will require moratorium repair.

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



Trench on Castlerock drive.



Compacting backfill on Castlerock.



Compacting backfill in roadway on Wyman Way



Sidewalk trench on Wyman Way