

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 4, 2017
Report Date: October 5, 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 #4 Castlerock Drive.
- Crew #2 installing 1/2" service at 15 pinewood and 26 pine lane.

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 #4 Castlerock Drive at approximately 34" depth via open trench method.
- Crew removed roadway pavement and a section of curb for the roadway crossing trench.
- 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	32"
12" stormdrain	35"

- Crew did not achieve >1' of separation at the underdrain and stormdrain crossings due to the depth and deflection required to achieve the separation. A rock shield was placed between the 1/2" gas service and the underdrain and stormdrain.
- It appears there is fabric under the entire width of the roadway on Castlerock Drive. Fabric was removed during trench excavation. BG indicated to Jeff and Matt fabric should be replaced within the trench area.



- 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 4:30 PM.

Crew #2

- Work Zone Closure: Pinewood Street and Pine Lane reduced to 1 lane with flaggers maintaining alternating one way traffic.
- Crew installing 1/2" gas service via automatic punch method at both locations.
- Crew installed 1/2" gas service at approximately 34" depth.
- Crew sawcut and removed pavement on Pinewood Street for automatic punch due to the location and depth of the water main.
- 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. The utility crossing below are for the Pinewood service.

Utility	Depth
water main	48"
Sewer	44"+

- Pine Lane is a short side service with no utility crossings.
- 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 placed in the trench on on Pinewood Street.
- Loam, seed, and mulch was placed in the disturbed vegetated area.
- Crew cleaned work area on Pinewood Street and traffic returned to normal by 12:30 PM. Crew moved to Pine Lane. Traffic returned to normal and work area cleaned on Pine Lane by 6:00 PM

Upcoming Work

- Gas service installation on Castlerock Drive on Thursday (10/5)
- Gas service installation on Wyman Way on Thursday (10/5)



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												
4 Castlerock	I	X						X			X	Replace curb
15 pinewood	I			X				X			X	Replace curb
26 pine lane	I							X				

- (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.
- Pinewood Dr 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.



Trench backfilled and gravel compacted on Castlerock.



Cold patch placed on Pinewood.