

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 3, 2017
Report Date: October 4, 2017

Summit Natural Gas

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

Crew#3: B&S Paving – Foreman (Rick) and 7 man crew
Equipment: Volvo mini excavator, 3 dump truck, 3 ton vibratory roller

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 #2 Castlerock Drive.
- Crew #3 paving trenches on Skillin Road.

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 #2 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	28"
6" underdrain	32"
12" stormdrain	35"

- Crew did not achieve >1' of separation at the underdrain and stormdrain crossings due to the pipe size and proximity to each other and the 2" gas main. Approximately 3" of separation was achieved at the crossings. 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 4:30PM.

Crew #3:

B&S Paving

- Work Zone Closure: 1 lane closed on Skillin Road with flaggers maintaining alternating one way traffic.
- Crew removed saw cut pavement on the shoulder of Skillin Road. Gravel on the shoulder of Skillin road was compacted with a plate wacker only.
- Edges of pavement were cleaned and tacked prior to placing 12.5mm HMA.
- Ambient air temperature at start of paving was approximately 56°F.
- Crew hand placed 12.5mm HMA in trench area.
- All loads of 12.5mm HMA conformed the the MaineDOT Standard Specification temperature range.
- The roadway shoulder trench was placed in 3 lifts with the first 2 lifts being compacted with a plate wacker only. The final lift was compacted with both a plate wacker and 3 ton vibratory roller.
- Crew completed trench paving on Skillin Road.
- Crew cleaned worksite and traffic returned to normal at approximately 3:30 PM.

Upcoming Work

- Gas service installation on Castlerock Drive on Wednesday (10/4)

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												
SERVICES												
2 Castlerock	1	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.
- BG discovered ETTi had installed a short side service at 23 Woodside on Monday (10/2). GP was not made aware of the service or onsite at the time of the service installation. BG reviewed the area of the service. There appears to be minimal scratch marks on pavement from an excavator. It appeared no pavement had been removed.

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 compacted on Castlerock Drive.



Crew compacting first lift of 12.5mm HMA.



Completed roadway shoulder trench patch on Skillin Road.