

FIELD OBSERVATION REPORT

Project: Gas Main – Cumberland-Falmouth-Yarmouth
Client: Towns of Cumberland, Falmouth and Yarmouth
GP Field Rep: Benjamin Grondin (BG)
Weather: Fog
Temp. Range: 60-70°F
Time onsite: Multiple visits

GP Project No: 1636.87
Visit Date: September 18, 2017
Report Date: September 19, 2017

Summit Natural Gas

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

Crew#2: 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 4" gas main on Skillin road near the corner of Blanchard road.

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 300' of 4" gas main from near house #80 to near utility pole 27 at approximately 40" depth via open trench method.
- Crew installed 4" gas main on the eastbound lane side in vegetated area. Crew sawcut and removed pavement near utility pole 27 then shifted pipe back into the vegetated area.
- Crew exposed a 6" underdrain nears utility pole 27. Matt indicated the crew sawcut the 6" underdrain to install 4" gas main due to using coiled pipe. Crew repaired the 6" underdrain with a Fernco coupling.
- 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
6" underdrain	33"

- Crew achieved >1' of separation at the 6" underdrain crossing.
- >6' of parallel separation was achieved between the 4" gas main and 16" water main on the east bound lane side.
- Crew backfilled trench with sand around the gas main, with excavated material above the sand. Backfill was compacted in lifts with a plate wacker.



- Crew placed cold patch at the roadway crossing trench and longitudinal roadway trench near utility pole 27. Cold patch was compacted with a plate wacker.
- Crew cleaned worksite and traffic returned to normal by 5:00 PM.

Crew #2:

B&S Paving

- Work Zone Closure: 1 lane closed on Skillin Road with flaggers maintaining alternating one way traffic.
- Crew removed saw cut pavement at driveway trenches and shoulder section near the large culvert and compacted gravel with a plate wacker
- Edges of pavement were cleaned and tacked prior to placing 12.5mm HMA.
- Ambient air temperature at start of paving was approximately 62°F.
- Crew hand placed 12.5mm HMA in trench area.
- All loads of 12.5mm HMA conformed to the MaineDOT Standard Specification temperature range.
- Crew placed 12.5mm HMA in the driveway trench in 2 lifts with the first lift compacted with a plate wacker only. The final lift was compacted with both a plate wacker and 3 ton vibratory roller.
- The shoulder section trench near the large culvert was placed in 3 lifts with the first two lifts compacted with a plate wacker only. The final lift was compacted with both a plate wacker and 3 ton vibratory roller.
- Crew cleaned worksite and traffic returned to normal at approximately 3:00PM.

Upcoming Work

- 4" gas main installation on Skillin Road to continue Tuesday (9/19)
- B&S paving to return for trench paving on Thursday (9/21)

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 Road	300'			X				X				Trench near utility pole
SERVICES												

- (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.

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



Layout of shoulder trench near large culvert.



Removed pavement section near utility pole 27



Compacting first lift in driveway trench



Cold patch placed in roadway crossing trench