

FIELD OBSERVATION REPORT

Project: Gas Main – Cumberland-Falmouth-Yarmouth
Client: Towns of Cumberland, Falmouth and Yarmouth
GP Field Rep: Benjamin Grondin (BG)
Weather: Cloudy
Temp. Range: 63-75°F
Time onsite: Multiple visits

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

Summit Natural Gas

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

Crew #2: B&S Paving – Foreman (Rick) and 8 man crew
Equipment: Volvo mini excavator, 2 dump trucks, 3 ton roller

Distribution: File, Bill Shane, Chris Bolduc, Adam Theriault, Bryan Haberman, Bryan Foster, Bert Stefanic

Work in Progress – Town of Cumberland

- Crew #1 sawcutting trenches and installing 4” gas main in the west bound shoulder on Skillin Road near house #60.
- Crew #2 paving gas main trenches in various locations on Skillin 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 230’ of 4” gas main from the existing trench on Skillin Road from near the lower driveway to #60 to near the upper driveway to house #60 at approximately 40” depth via open trench method.
- 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
1” water service to lower driveway of house #60	5’+

- Jeff (Summit) indicated the 4” gas main is at a depth of approximately 45” at the water service crossing due to the roadway elevation change. ETTi hand excavated 1’ below the 4” gas main and did not locate the water service. Therefore, >1’ of separation on the hydrant lateral and water service crossings was achieved.
- The only existing utility is the 16” water main in the east bound lane on Skillin Road. Since the gas main is being installed in the west bound lane, >6’ of parallel separation was achieved.



- Crew backfilled trench with sand around the gas main, with excavated material above the sand. Backfill was compacted in lifts with a jumping jack and plate wacker.
- Crew cleaned worksite and traffic returned to normal by 5:00PM

Crew #2

B&S Paving

- Work Zone Closure: 1 lane closed on Skillin Road with flaggers maintaining alternating one way traffic.
- Crew completed trench paving from near house #22 and driveway apron for house #22.
- Crew removed saw cut pavement and compacted gravel with a plate wacker and 3 ton Vibratory Roller.
- Edges of pavement were cleaned and tacked prior to placing 12.5mm HMA.
- Ambient air temperature at start of paving was approximately 77°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 previously removed curb near #22 that was removed during trench excavation was hand built with 12.5mm HMA.
- Crew placed 12.5mm HMA in the roadway trench in 3 lifts with each lift compacted with a plate wacker and 3 ton vibratory roller. The driveway apron trench was placed in 3 lifts with the first two lifts compacted with a plate wacker only. The final lift on the driveway apron for #22 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 (9/5)
- B&S to continue paving gas main trench on Wednesday (9/6) pending weather.

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	230'		X	X				X				2 upper driveways for #60
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.
- GP has notified Summit the importance of restoring 2 Balsam Drive.

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



Compacting the first lift of 12.5mm HMA with 3 ton vibratory roller.



Backfill compacted and warning tape placed in gas main trench.



Final lift of backfill compacted.