

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: August 30, 2017
Report Date: August 31, 2017

Summit Natural Gas

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

Crew #2: B&S Paving – Foreman (Rick), 7 man crew,
Equipment: Volvo mini excavator, 3 dump truck, 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 #43.
- Crew #2 paving longitudinal roadway shoulder trench near Tammy Lane.

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 340' of 4" gas main from the existing trench on Skillin Road from near house number 38 to near the large culvert at approximately 40" depth.
- Due to a drainage swale off the westbound lane shoulder the run line was shifted closer to the roadway. Crew removed the previously sawcut pavement approximately 8" into the shoulder from the edge of pavement.
- 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 undeveloped land across from #43	5'5"+
15" stormdrain	3'6"

- Crew did not achieve >1' of separation on the 15" Stormdrain crossing. A 1" water service is located beneath the 15" Stormdrain therefore crew would of have to excavate 7'+ to achieve separation.



Crew crossed over the 15" Stormdrain and a rock shield was placed between the 15" Stormdrain and 4" gas main.

- >3' of parallel separation was not achieved between the 15" stormdrain and 4" gas main for a distance of approximately 15' near the water service to the undeveloped land across from house #43. The Stormdrain gradually shifts from the shoulder of the westbound lane to an outlet approximately 10' off the roadway. Due to the gradual shift of the Stormdrain the parallel distance between the gas main and Stormdrain decreases until the utilities cross.
- 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 cleaned worksite and traffic returned to normal by 5:30PM.

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 Tammy Lane to near 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 70°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 lifts with each lift compacted with 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 Thursday (8/31)
- B&S to continue paving gas main trench on Tuesday (9/5)

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)	Mortarium Roadway Restoration (1)	Comments
MAINS												
Skillin Road	340'			X				X				
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

- B&S did not complete paving of the roadway trench. Approximately 15' of the trench remains gravel near house #22. The gravel section shall be monitored and repaired or treated for dust control as needed.

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



Gravel compacted and edges of pavement cleaned and tacked.



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



Rock shield place at the Stormdrain crossing



Compacting backfill with plate wacker