

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: 70-80°F
Time onsite: Multiple visits

GP Project No: 1636.87
Visit Date: August 3, 2017
Report Date: August 4, 2017

Summit Natural Gas

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

Crew #1: Bard Paving Construction – Foreman (Blaine) and 5 man crew
Equipment: 1 – CAT skid steer with grinding machine, 2 dump truck, ditch witch mini excavator, 5 ton 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 in the southbound shoulder on Route 100.
- Crew #2 milling and paving trenches on Route 88 and Casco Bay Drive.

Discussions & Observations

Crew #1:

Route 100

- Work Zone Closure: One lane closed on Route 100 with flaggers maintaining alternating one way traffic. Flaggers also maintained the intersection of Blackstrap, Skillin, and Route 100 as a four way stop due to the work zones proximity to the intersection.
- Crew installing 4” gas main via open trench method.
- Crew installed approximately 30’ of 4” gas main at approximately 3’4” depth from near the corner of Blackstrap road.
- 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
12” stormdrain in esplanade	5’8”

- Crew hand excavated 1’ below the gas main and did not locate the stormdrain therefore >1’ separation was achieved. Crew only achieved approximately 2’ of parallel separation from the stormdrain in the esplanade at the corner of Blackstrap Road due to an adjacent power utility.
- Crew backfilled trench with sand around the gas main and existing material. Backfill was compacted in lifts with a plate wacker.
- Cold patch was not placed in the trench at the corner of Blackstrap Road due to the size of the trench. The gravel trench shall be monitored and repaired as necessary.



- Crew clean worksite and traffic returned to normal at approximately 5:00 PM.

Crew #2:

- Work Zone Closure: 1 lane closed on roads with flaggers maintaining alternating one way traffic.
- Crew milled trenches on Route 88 and Casco Bay Drive to approximately 1" depth.
- Trench edges that were rounded from the mill machine were sawcut to provide a staigt square edge.
- Ambient air temperature at start of paving was approximately 82°F.
- Crew cleaned and tacked the milled areas prior to placing 9.5mm HMA.
- Crew hand placed 9.5mm HMA in the milled areas.
- 9.5mm HMA was measured to be 301°F which conforms to the MaineDOT standard specifications.
- 9.5 HMA was compacted with a plate wacker and a 5 ton vibratory roller.
- The load of 9.5mm HMA had cooled to an unacceptable temperature when the crew moved to Casco Bay drive at approximately 12:00PM. Crew sent for a new load of 9.5mm HMA.
- 9.5mm HMA was measured to be 297°F which conforms to the MaineDOT standard specifications.
- Casco Bay Drive is at binder grade. 9.5mm HMA was used for the trench restoration.
- Crew cleaned worksite and traffic returned to normal by 2:30PM.

Upcoming Work

- Service installation at 366 Tuttle Road on Friday (8/4)

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)	Moratorium Roadway Restoration (1)	Comments
MAINS												
Route 100	30'			X				X				
SERVICES												

- (1) Gorrill Palmer must observe pavement during placement
- (2) Gorrill Palmer will observe restoration after completion

Visitors on Site

None

Concerns or Questions

None at this time.

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



Milling trench patch on Route 88



Milled area cleaned and tacked on Casco Bay Drive