

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 14, 2017
Report Date: August 15, 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) and 5 man crew
Equipment: Volvo mini-excavator, 3 ton vibratory roller, 2 dump trucks, various hand tools

Crew #3: ETTi – Foreman (Brandon) and 2 man Crew

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

Work in Progress – Town of Cumberland

- Crew #1 sawcutting pavement in the east bound shoulder on Skillin Road near Copp Motors.
- Crew #2 paving various locations with 12.5mm HMA.
- Crew #3 finishing gas service install at 2 Balsam Dr.

Discussions & Observations

Crew #1:

Skillin Road

- Work Zone Closure: The east bound shoulder on Skillin Road was coned off with a flagger holding a “slow” sign facing on-coming traffic. Two way traffic was maintained.
- Crew sawcut pavement in the east bound shoulder on Skillin Road. The sawcut starts at the existing trench on Skillin Road and goes east to near the rear garage at Copp Motors.
- No utilities crossed.
- No pavement was removed.
- Crew cleaned worksite and traffic returned to normal at approximately 12:15PM.

Crew 2:

B&S Paving

- Work Zone Closure: 1 lane closed on Route 100 with flaggers maintaining alternating one way traffic.
- Crew removed saw cut pavement and compacted gravel with a plate wacker.
- Edges of pavement were cleaned and tacked prior to placing 12.5mm HMA.
- Ambient air temperature at time of paving was approximately 68°F.
- Crew hand placed 12.5mm HMA in trench area.
- Crew used two loads of 12.5mm HMA for trench paving. Load one was measured to be 315°F at approximately 8:30AM which conforms to the MaineDOT Standard Specification. The load was used for the trenches in the paved swale near the south bound shoulder on Route 100. Load 2 was



measured to be 307°F at approximately 12:30PM which conforms to the MaineDOT Standard Specification. The load was used for the driveway crossing trench at Seymour's Bird Refuge, half of the roadway crossing trench at Highland Ave., and half of the driveway crossing trench at D.J. Small plumbing.

- Only half of the roadway crossing trench at Highland Ave and driving crossing trench at D.J. Small plumbing was completed due to the need to keep 1 lane open on for traffic.
- Crew placed 12.5mm HMA in lifts with each lift compacted with a plate wacker. The final lift was compacted with a plate wacker and 3 ton vibratory roller.
- The trenches in the paved swale were compacted with a plate wacker only due to the size and shape of the trench.
- Crew cleaned worksite and traffic returned to normal by approximately 3:30 PM.

Crew 3:

2 Balsam Drive

- Work Zone Closure: 1 lane closed on Balsam Dr. With flaggers maintaining alternating 1 way traffic.
- Crew installed 1/2" gas service by open trench and automatic punch method. Two trenches were excavated in Balsam Dr.
- 1/2" service was installed at approximately 3'2" depth
- 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
Gas main	5'2"
12" stormdrain	2'10"
8" water main	4'2"+
Sewer main	4'2"+

- Crew was able to achieve >1' of separation on all utility crossings. The service is not parallel to any existing utility's therefore >6' of separation was achieved.
- Longitudinal trenches were excavated on each side of Balsam Drive for utility location.
- Crew backfilled trench with sand around the gas main and service, with excavated material above the sand. Backfill was compacted in lifts with a jumping jack.
- Cold patch was not used due to the size and location of the trench. The gravel shall be monitored and repaired as necessary.
- Crew had to remove a section of granite curb near the utility pole in the vegetated area for the gas main installation. BG was not onsite for the replacement of the granite curb.

Upcoming Work

- B&S to continue paving trenches on Route 100 (8/17)
- 4" gas main installation on Skillin Road this week



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												
Route 100	-		X	X								
SERVICES												
2 Balsam Dr	1							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

GP to confirm required restoration for 2 Balsam Dr with the Town of Cumberland.

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



First trench opened on Balsam Drive.



Second trench opened on 2 Balsam Dr.



Gravel compacted and tack applied to edges of existing pavement.



Compacting driveway crossing trench at Seymour's Bird Refuge