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Cumberland

Summit Natural Gas

2017 Construction Season

End of Year Report

SUMMIT NATURAL GAS Cumberland

Town of Cumberland 2017 Construction Season Year-end Report

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- **Pavement Restoration Locations**
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MEMORANDUM

To: Town of Cumberland - Bill Shane and Chris Bolduc
Summit Natural Gas - Bryan Foster, Bryan Haberman, and Adam Theriault

From: Drew Gagnon, EI

Date: December 20, 2017

Subject: Summit Natural Gas, Town of Cumberland – 2017 Construction Season Year-end Report (JN 1636.87)

The attached year-end report is provided to the Town and Summit Natural Gas to assist in tracking and completing all restoration work associated with gas line construction within Town streets and other public property in 2017. It also includes unfinished restoration carried over from the 2016 construction season. Recommended follow-up actions are noted below:

Pavement Restoration Locations - This is a listing of all 2017 gas line construction within paved areas that were repaired with hot mix asphalt. The Town should review these locations in spring 2018 and determine the need for further restoration, which may include pavement milling and overlay or other repairs as required by the Utility Location Permit (ULP).

Non-Paved Restoration Locations – This is a listing of non-paved areas disturbed by the 2017 gas line construction. Summit should review all 2017 gas line construction locations in spring 2018 and complete the necessary restoration per the ULP requirements. The Town requires that all locations be restored with loam, seed and mulch by June 1, 2018.

Temporary Pavement Locations – These locations were paved under conditions not conforming to Town requirements (i.e. MaineDOT Standard Specifications). The Town may require 1" mill and overlay with 9.5 mm HMA or remove and replace with 12.5 mm HMA at these locations in spring 2018. All paving and related preparation must be observed by the Town's representative (Gorrill Palmer).

Unfinished 2016 Restoration – The locations listed are non paved areas not completed from 2016 restoration. These items should be addressed immediately in spring 2018 before June 1st when MDOT specifications can be met. Repairs must be observed by the Town's representative (Gorrill Palmer). The Town requests that Summit coordinate with Town staff to work through final review and close-out of 2016 projects this spring, per the Road Opening Permit Requirements.

The Town specifically requests that Summit notify Town staff and Gorrill Palmer of the schedule for all paving and restoration work noted above.

**SUMMIT NATURAL GAS
TOWN OF CUMBERLAND**

**2017 Construction Season
Year-end Report**

Pavement Restoration Locations - Gas Mains & Services

Pavement Restoration Locations - 2017 Construction - All Contractors - By Street

1636.87 Town of Cumberland - Summit Natural Gas Observations

Report Date:

Report Last Updated:

Includes Daily Reports Through:

Notes:

1. Summit Natural Gas contractors placed hot mix asphalt trench patch at the locations listed below, as noted in Daily Field Reports by Gorrill Palmer.
2. The "Date" column provides the original date of excavation and corresponding Daily Field Report. Paving of these locations was noted in subsequent Daily Field Reports.
3. The Town of Cumberland's representative will review pavement condition at these locations in Spring 2018 and determine any appropriate repairs or measures as necessary to restore areas disturbed by construction to pre-existing conditions or better.
4. All locations shall be restored in accordance with Utility Location Permit requirements. Final restoration may include pavement milling and overlay or other measures as necessary to restore areas disturbed by construction to pre-existing conditions or better.
5. All paving shall conform to MaineDOT Standard Specifications. Pavement shall be 12.5 mm hot mix asphalt in roadways and 9.5 mm HMA in driveways and sidewalks unless directed otherwise by the Town of Cumberland. Contractors shall submit mix design to Gorrill Palmer minimum 3 days before start of paving.
6. The Town's representative (Gorrill Palmer) must observe base preparation and pavement placement.
7. Summit Natural Gas shall notify the Town of Cumberland and Gorrill Palmer of the schedule for all paving work.
8. As noted, some trenches will require Moratorium repair: 20 feet on either side of trench pavement, full width of roadway

Pavement Restoration Done in 2017								
Date	Location	Street	Roadway Crossing Trench Patch	Driveway Crossing Trench Patch	Longitudinal Road or Shldr Trench Patch	Sidewalk Trench Patch	Pave Pothole	Moratorium Roadway Restoration
5/12/2017	5 Tacoma Ln	Tacoma Ln	X					
6/14/2017	279 Main St	Main St			X	X		
6/29/2017	306 Tuttle Rd	Tuttle Rd			X			
7/6/2017	Route 100	Route 100					X	
7/10/2017	Route 100	Route 100			X		X	
7/11/2017	Route 100	Route 100			X		X	
7/11/2017	325 Tuttle Rd	Tuttle Rd			X			
7/12/2017	Route 100	Route 100			X		X	
7/13/2017	Route 100	Route 100			X		X	
7/17/2017	Route 100	Route 100			X		X	
7/18/2017	154 Foreside Rd	Foreside Rd (Rt 88)			X			
7/25/2017	Route 100	Route 100			X		X	
7/26/2017	Skillin Rd	Skillin Rd			X		X	
7/26/2017	2 Balsam Dr	Balsam Dr			X			X
7/31/2017	3 Friar Lane	Friar Lane			X			
8/1/2017	Route 100	Route 100		X				
8/3/2017	Route 100	Route 100			X			
8/7/2017	BlackStrap Rd	Blackstrap Rd		X				
8/8/2017	Route 100	Route 100	X	X				
8/9/2017	Route 100	Route 100		X	X			
8/10/2017	Route 100	Route 100			X			
8/15/2017	Skillin Rd	Skillin Rd		X	X			
8/16/2017	Skillin Rd	Skillin Rd	X	X	X			
8/17/2017	Skillin Rd	Skillin Rd	X		X			
8/21/2017	Skillin Rd	Skillin Rd		X	X			
8/22/2017	Skillin Rd	Skillin Rd			X			
8/23/2017	Skillin Rd	Skillin Rd		X	X			
8/24/2017	Skillin Rd	Skillin Rd		X	X			
8/29/2017	Skillin Rd	Skillin Rd		X				
8/30/2017	Skillin Rd	Skillin Rd			X			
8/31/2017	Skillin Rd	Skillin Rd			X			

12/19/2017

Tracking Log_Summit Restoration_Cumberland_2017 Work

			Pavement Restoration Done in 2017						
Date	Location	Street	Roadway Crossing Trench Patch	Driveway Crossing Trench Patch	Longitudinal Road or Shldr Trench Patch	Sidewalk Trench Patch	Pave Pothole	Moratorium Roadway Restoration	Comments
9/5/2017	Skillin Rd	Skillin Rd		X	X				
9/8/2017	Skillin Rd	Skillin Rd		X					
9/12/2017	Skillin Rd	Skillin Rd			X				
9/13/2017	Skillin Rd	Skillin Rd	X	X					
9/14/2017	Skillin Rd	Skillin Rd		X					
9/18/2017	Skillin Rd	Skillin Rd			X				
9/19/2017	Castle Rock Dr	Castle Rock Dr					X	X	Requires Moratorium Repair in Spring 2018
9/25/2017	Castle Rock Dr	Castle Rock Dr	X	X				X	Requires Moratorium Repair in Spring 2018
9/26/2017	Castle Rock Dr	Castle Rock Dr		X				X	Requires Moratorium Repair in Spring 2018
9/27/2017	Castle Rock Dr	Castle Rock Dr		X		X		X	Requires Moratorium Repair in Spring 2018
9/28/2017	3 Castle Rock Dr	Castle Rock Dr				X			
9/28/2017	Dean's Way	Foreside Road			X				near #74 Foreside Road
10/2/2017	5 & 7 Castle Rock Dr	Castle Rock Dr				X			
10/3/2017	2 Castle Rock Dr	Castle Rock Dr	X					X	Requires Moratorium Repair in Spring 2018
10/4/2017	4 Castle Rock Dr	Castle Rock Dr	X					X	Requires Moratorium Repair in Spring 2018
10/4/2017	15 Pinewood	Pinewood Dr			X			X	Requires Moratorium Repair in Spring 2018
10/5/2017	12 Castle Rock Dr	Castle Rock Dr	X					X	Requires Moratorium Repair in Spring 2018
10/5/2017	67 Wyman Way	Wyman Way			X	X		X	Requires Moratorium Repair in Spring 2018
10/6/2017	20 Castle Rock Dr	Castle Rock Dr	X					X	Requires Moratorium Repair in Spring 2018
10/10/2017	14 Castle Rock Dr	Castle Rock Dr	X					X	Requires Moratorium Repair in Spring 2018
10/11/2017	194 Gray Rd	Gray Road			X				
10/11/2017	9 Meadow Lane	Meadow Lane			X				
10/16/2017	381 Main St	Main St			X				
10/17/2017	80 Skillin Rd	Skillin Rd	X						
10/18/2017	80 Skillin Rd	Skillin Rd	X						
10/20/2017	88 Skillin Rd	Skillin Rd	X						
10/20/2017	60 Skillin Rd	Skillin Rd			X				
10/23/2017	69 Skillin Rd	Skillin Rd	X						Temporary. See temprary list for comments
10/25/2017	115B Blackstrap Rd	Blackstrap Rd			X				Temporary. See temprary list for comments
11/1/2017	115A Blackstrap Rd	Blackstrap Rd				X			Temporary. See temprary list for comments
11/8/2017	19 Castlerock Dr	Castle Rock Dr	X						Temporary. See temprary list for comments
11/13/2017	20 Blanchard Rd	Blanchard Rd			X				Temporary. See temprary list for comments
11/29/2017	197 Gray Rd	Gray Road			X				Temporary. See temprary list for comments

SUMMIT NATURAL GAS TOWN OF CUMBERLAND

2017 Construction Season Year-end Report

Non-paved Restoration Locations - Gas Mains & Services

Non-Paved Restoration Locations - 2017 Construction - All Contractors - By Street

1636.87 Town of Cumberland - Summit Natural Gas Observations

Report Date: 12/20/2017

Report Last Updated: 12/11/2017

Includes Daily Reports Through: 12/8/2017

WORKSHEET KEY

NO COLOR = No data

GREEN = Grass growth appears sufficient as of Sept. 2017

RED = Grass growth not sufficient. Check in spring 2018

NOTES:

- Observed grass growth as noted is based on observation in Sept. 2017 and is provided for general information only.
- Summit Natural Gas is responsible for restoration of grass at all locations disturbed by construction per the ULP.
- Review all 2017 gas main & service locations in spring 2018 and restore as necessary by June 1, 2018.
- Mains listed as single item. Refer to comments for extents of location.

Date	Location	Street	Contractor	Grass Growth - Sufficient	Grass Growth - Not Sufficient	Comments
5/12/2017	5 Tocomo Lane	Tacom Lane	ETTi		x	Esplanade area
6/14/2017	279 Main Street	Main Street	ETTi		x	
6/29/2017	306 Tuttle Road	Tuttle Road	ETTi		x	
7/6/2017	Gray Road (Route 100)	Gray Road	ETTi		x	Southbound lane shoulder from Castle Rock Drive to Skilling's Greenhouse
7/11/2017	325 Tuttle Road	Tuttle Road	ETTi		x	
7/11/2017	81 Wyman Way	Wyman Way	ETTi	x		
7/18/2017	154 Foreside Road	Foreside Road	ETTi		x	
7/26/2017	2 Balsam Drive	Balsam Drive	ETTi		x	Both sides
7/31/2017	3 Friar Lane	Friar Lane	ETTi	x		
8/7/2017	Blackstrap Road	Blackstrap	ETTi		x	Eastbound lane side. Main ends just beyond 2nd fire station driveway
8/15/2017	Skillin Road	Skillin Road	ETTi		x	Eastbound lane side from Gray Road to Kathy Lane
8/23/2017	Skillin Road	Skillin Road	ETTi		x	Westbound lane side From Kathy lane to #76
9/5/2017	Skillin Road	Skillin Road	ETTi		x	Eastbound lane side from #76 to Blanchard Road
9/19/2017	Castlerock Drive	Castlerock Drive	ETTi		x	Main in esplanade to island in cul-de-sac
9/28/2017	3 Castlerock Drive	Castlerock Drive	ETTi		x	
9/28/2017	Deans Way	Foreside Road	ETTi		x	Crossing trench at #74 Foreside Road
10/2/2017	5&7 Castlerock Drive	Castlerock Drive	ETTi		x	
10/3/2017	2 Castlerock Drive	Castlerock Drive	ETTi		x	
10/4/2017	4 Castlerock Drive	Castlerock Drive	ETTi		x	
10/4/2017	11 Pinewood Drive	Pinewood Drive	ETTi		x	
10/4/2017	26 Pine Lane	Pine Lane	ETTi		x	
10/5/2017	12 Castlerock Drive	Castlerock Drive	ETTi		x	
10/5/2017	67 Wyman Way	Wyman Way	ETTi	x		
10/6/2017	20 Castlerock Drive	Castlerock Drive	ETTi		x	
10/10/2017	14 Castlerock Drive	Castlerock Drive	ETTi		x	
10/11/2017	194 Gray Road	Gray Road	ETTi		x	
10/11/2017	9 Meadow Lane	Meadow Lane	ETTi		x	
10/12/2017	156 Gray Road	Gray Road	ETTi		x	
10/16/2017	136 Gray Road	Gray Road	ETTi		x	
10/16/2017	381 Main Street	Main Street	ETTi		x	
10/17/2017	80 Skillin Road	Skillin Road	ETTi		x	
10/20/2017	88 Skillin Road	Skillin Road	ETTi		x	
10/20/2017	60 Skillin Road	Skillin Road	ETTi		x	
10/23/2017	69 Skillin Road	Skillin Road	ETTi		x	
10/25/2017	115b Blackstrap Road	Blackstrap	ETTi		x	At "Fire Danger" sign
	31 Maeves Way	Maeves Way	ETTi		x	
7/27/2017	174 Bruce Hill	Blanchard	ETTi		x	
10/31/2017	11 Pinewood Drive	Crestwood Road	ETTi		x	
11/1/2017	155A Blackstrap Road	Blackstrap	ETTi		x	
11/6/2017	11 Skillin Road	Skillin Road	ETTi		x	
11/8/2017	19 Castlerock Drive	Castlerock Drive	ETTi		x	
11/9/2017	21 Castlerock Drive	Castlerock Drive	ETTi		x	
11/13/2017	20 Blanchard Road	Blanchard	ETTi		x	
12/8/2017	7 Bradbury	Bradbury	Summit	x		House lot under construction

SUMMIT NATURAL GAS TOWN OF CUMBERLAND

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Temporary Pavement Locations

- **Placement did not conform to Town (MaineDOT) specifications**
- **Mill and overlay in Spring 2018**

Temporary Pavement - 2017 Construction - All Contractors - By Street

1636.87 Town of Cumberland - Summit Natural Gas Observations

Report Date: 12/20/2017
Report Last Updated: 12/11/2017
Includes Daily Reports Through: 11/29/2017

Notes:

1. Locations listed were paved at conditions not meeting MaineDOT Specification 403, Hot Mix Asphalt (base & binder course 35°F and rising, wearing course 50°F and rising). Mill pavement surface 1" deep and overlay with 1" of 9.5 mm HMA per ULP.
2. All locations shall be restored in accordance with the Utility Location Permit requirements.
3. All work shall conform to MaineDOT Standard Specifications. Pavement shall be 9.5 mm HMA for overlay, sidewalks and driveways, 12.5 mm HMA at other locations. Submit mix design to Gorriall Palmer minimum 3 days before start of paving.
4. Summit Natural Gas shall notify the Town of Cumberland and Gorriall Palmer of the schedule for this work.
5. Pavement preparation and placement of HMA shall be observed by the Town's representative (Gorriall Palmer).

					Pavement Description					
Const. Date	Paving Date	Location	Street	Contractor	Roadway Crossing Trench Patch (1)	Driveway Crossing Trench Patch (1)	Longitudinal Road or Shldr Trench Patch (1)	Sidewalk Trench Patch (1)	Pave Pothole (2)	Comments
10/23/2017	11/14/2017	69 Skillin Road	Skillin	B&S Paving	X					Ambient temperature <40°F
10/25/2017	11/14/2017	115B Blackstrap Road	Blackstrap	B&S Paving			X			Parking Lot. Ambient temperature <40°F
11/1/2017	11/14/2017	115A Blackstrap Road	Blackstrap	B&S Paving				X		Ambient temperature <40°F
11/8/2017	11/14/2017	19 Castlerock Drive	Castlerock	B&S Paving	X					Ambient temperature <40°F
11/13/2017	11/14/2017	20 Blanchard Road	Blanchard	B&S Paving			X			Ambient temperature <40°F
11/29/2017	11/30/2017	197 Gray Road	Gray	B&S Paving			X			Ambient temperature <40°F, 9.5mm HMA used for all lifts, no tack, no roller

SUMMIT NATURAL GAS TOWN OF CUMBERLAND

2017 Construction Season Year-end Report

Unfinished 2016 Restoration to be completed by June 1, 2018

Contents:

- Non paved areas not sufficient

Non-Paved Restoration Locations - 2016 Construction - All Contractors - By Street

I 636.87 - Town of Cumberland - Summit Natural Gas Observations

Report Date: 12/20/2017

Report Last Updated: 12/11/2017

Includes Daily Reports Through: 12/12/2016

NOTES:

1. Observed grass growth as noted is based on observation in Sept. 2017 and is provided for general information only.
2. Summit Natural Gas is responsible for restoration of grass at all locations disturbed by construction per the ULP.
3. Review listed locations in spring 2018 and restore as necessary by June 1, 2018

Date	Location	Street	Contractor	Grass Growth - Not Sufficient	Comments
In 2016	10 Karole Lane	Karole Lane		x	Behind CB at corner of property
In 2016	Osprey Reach	Foreside Road		x	Across from intersection
In 2016	228 Foreside Road	Foreside Road		x	Behind curb