

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	June 23, 2022
<b>Location:</b>	Maple Avenue and Maiden Lane, Durham	<b>Day of Week:</b>	Thursday
<b>Project #:</b>	AECOM: 60614871	<b>Report No:</b>	453
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 9

Weather Conditions			
Conditions:	Daylight hours: Partly cloudy. Wind variable 0-10 mph.		
Temperature (°F):	High 77°F	Low	56°F

Contractors & Subcontractors Workforce				Equipment in Use			
Trade	#	x	hrs	Trade	#	X	hrs
USACE				Ludlow Construction			
Field Engineer	2	x	8	Superintendent	0	X	8
				Safety Officer	1	X	8
Flow Tech	0	X	8	Foreman	1	X	8
Matt Chlor	0	X	8	Dump truck Operator	2	X	8
A&J Construction	0	X	8	Excavator Operator	2	X	8
Grela Well Drilling	0	X	8	Skid Steer/Bucket Loader	1	X	8
Fazzino Plumbing	0	X	8	Laborers	4	X	8
United Concrete	0	X	8	Note that some persons operate			
Knapp Engineering	0	x	8	Multiple pieces equipment.			
Apuzzo Electric	0	x	8				
Alarm Systems, Inc.	0	x	8	Sub-contractor	3	X	8
A&R Electrical	0	x	8	Municipal Police Detail	0	X	8
				State Police Detail	0	X	8

Visitors: None.

### Pipe Connections, Installations, and Other Work

Ludlow continuing installation of new water service at 114 Maiden Lane. Ludlow/Laydon paving crew re-doing driveway aprons on Maple Avenue north of Rte 68. Grela Well Drilling is off-site for several weeks.

### Daily Activities – Miscellaneous Activities, Durham

0735: Ludlow crew continuing installation of new water service below main driveway of 114 Maiden Lane. They are using two excavators to open trenches on either side of a large red oak tree east of the driveway and a slightly smaller one opposite on the west side. They will attempt to use the Mole drill to connect the trenches to avoid potentially damaging tree roots.

0745: Ludlow crew starts Mole drill in bottom of northern trench, aiming at southern trench. The gap between the trenches is approx. 20 feet.

0755: The Mole emerges approximately 1 foot below ground in the southern trench, apparently deflected upwards by a large rock in its path.

0830: Ludlow has made two more attempts to connect the trenches using the Mole, but it keeps deflecting upwards. They dig the southern trench northward about 5 feet and try the Mole twice more.

<b>Res. Representative:</b>	A. Bogucki	<b>Date:</b>	6/23/22
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0930: Ludlow still not successful at getting the Mole to stay down in the trench. They connect the two trenches by digging with the medium excavator. No significant roots from either tree are encountered.

1030: Laydon paving crew replacing driveway aprons in the vicinity of 230 Maple Avenue.

1150: Ludlow has installed another 120 feet of 2" copper pipe at 114 Maiden Lane, backfilling the trench as they go.

1300: Ludlow has installed another ~ 80 ft of 2" copper pipe at 114 Maiden Lane and backfilled the trench.

1510: Ludlow has installed 2" copper pipe to edge of woods on driveway. Trench is backfilled except for the last 8 – 10 feet, which is covered with a steel plate.

1530: Laydon paving crew started replacing driveway apron for 228 Maple Avenue.

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Photo 1: Ludlow crew excavating trench along driveway at 114 Maiden Lane. View to the southwest.

Res. Representative:

A. Bogucki

Date: 6/23/22



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Photo 2: Ludlow operator guiding “Mole” drilling tool at south end of north trench at 114 Maiden Lane.

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Photo 3: Water pipe laid in trench. Ludlow has added sand bedding at 114 Maiden Lane. View to the north.



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**Photo 4: Ludlow operators backfilling and compacting pipe trench at 114 Maiden Lane. View to the northwest.**



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**Photo 5: Ludlow extending pipe trench near “Farm Market” building at 114 Maiden Lane. View to the southwest.**

**Res. Representative:**

A. Bogucki

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**Photo 6: Pipe trench at 114 Maiden Lane at the end of the workday. Steel plate covers small length of open trench. View to the north.**



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Photo 7: Laydon paving crew preparing pavement base for driveway apron at 228 Maple Avenue. View to the south.