

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	December 7, 2021
<b>Location:</b>	Maiden Lane, Durham	<b>Day of Week:</b>	Tuesday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	377
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 14

<b>Weather Conditions</b> Conditions: Daylight hours: Partly sunny. Winds variable 0-4 mph. Temperature (°F): High 46°F Low 30°F											
Contractors & Subcontractors Workforce					Equipment in Use						
Trade	#	x	hrs	Trade	#	X	hrs	Type	#	x	hrs
USACE				Ludlow Construction				Concrete/Asphalt Road Saw	0	x	8
Field Engineer	2	x	8	Superintendent	1	X	8	Dump truck	2	x	8
				Safety Officer	1	X	8	Excavator – Large	1	x	8
				Foreman	1	X	8	Excavator - Mid-Size	1	x	8
				Dump truck Operator	1	X	8	Excavator - Rubber Wheeled	1	x	8
				Excavator Operator	1	X	8	Skid Steer / Bucket Loader	1	x	8
Eagle Fence	0	X	8	Skid Steer/Bucket Loader	1	X	8	Rolling Compactor	1	x	8
Fazzino Plumbing	0	X	8	Laborers	4	X	8	Plate Compactor	1	x	8
United Concrete	0	X	8	Note that some persons operate				Jumping Jack Compactor	1	x	8
Keltic Painting	0	x	8	Multiple pieces equipment.				Street Sweeper (Broce Broom)	0	x	8
Apuzzo Electric	0	x	8					Material Hopper	0	x	8
CT Traffic Control	0	x	8	Sub-contractor	0	X	8	Cutoff saw	1	x	8
A&R Electrical	0	x	8	Municipal Police Detail	0	X	8	Light Tower	0	x	8
				State Police Detail	0	X	8				
Visitors: None.											

### Pipe Connections, Installations, and Other Work

Ludlow installed a 1" copper water service line at the residences located at 110 and 105 Maiden Lane in Durham.

### Daily Activities – Installation of water lines, Main Street, Durham

Ludlow installed a 1" copper water service line at the residences located at 110 and 105 Maiden Lane in Durham.

0700: Ludlow begins to mobilize to the 110 Maiden Lane property for the installation of 1" copper water service line.

0719: Ludlow has begun to excavate on the south side of the 110 Maiden Lane residence as they begin to install activities for a 1" copper water service line.

0749: Ludlow continues excavating at the 110 Maiden Lane property, starting at the southern foundation and moving south towards the curb stop. Ludlow has encountered water at the bottom of the trench.

0751: The foundation at the 110 Maiden Lane residence is comprised of concrete blocks. There appears to be a substantial number of existing cracks in the foundation.

<b>Res. Representative:</b>	J. Meunier	<b>Date:</b>	12/07/21
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0811: Ludlow is setting up to pump water out of the trench they are working in at the 110 Maiden Lane property. Ludlow is running the discharge hose from the pump into a silt bag they have placed on the north side of Maiden Lane and, west of the residence.

0857: Ludlow used a rotary hammer to penetrate the south side of the concrete block foundation of the 110 Maiden Lane residence. The penetration point is 136" east of the home's southwest corner and is 50" below surface grade. Ludlow has inserted the 1" copper water line through the penetration.

0913: Ludlow begins to place sand above and below the 1" copper water service line they just installed at the 110 Maiden Lane property.

0948: Ludlow has almost finished backfilling the trench they excavated at the 110 Maiden Lane property for the installation of a 1" copper water service line. Ludlow is using native fill placed in 1' lifts to backfill the trench. Ludlow is compacting each lift with a jumping jack.

1005: Ludlow has finished backfilling the water line trench at the 110 Maiden Lane property. Ludlow is currently cleaning the road in front of the 110 Maiden Lane residence with a Broce Broom.

1018: Ludlow has placed loam over the areas disturbed during the installation of a 1" copper water service at the 110 Maiden Lane property.

1103: Ludlow begins to excavate on the north side of the 105 Maiden Lane residence for the installation of a 1" copper water service line.

1124: Ludlow continues to excavate in a northern direction at the 105 Maiden Lane property. Ludlow is setting up to use a pneumatic mole to punch a hole beneath the residence's sidewalk to allow for the installation of a 1" copper water service line.

1143: Ludlow is using a pneumatic mole to punch a hole beneath the sidewalk on the north side of the 105 Maiden Lane residence. Ludlow has also daylighted the poured-concrete foundation of the residence.

1220: Ludlow has almost completed the trench they need to install a 1" copper water service line for the 105 Maiden Lane residence. Ludlow is setting a pump up on the north side of the trench next to the curb stop to remove water that has collected in the trench. Ludlow is discharging the water into a silt bag they placed west of the 105 Maiden Lane property and south of Maiden Lane. Ludlow is currently attaching the 1" copper water line to the curb stop. Ludlow has inserted the copper line through the penetration they made on the north side of the residence's foundation with a rotary hammer. The penetration point is located 81" east of the east side of the home's concrete stairs and 53" below surface grade. Ludlow has excavated the trench is 60" deep.

1254: Ludlow is using non-shrink grout to secure the 1" copper water line in place where Ludlow passed it through the penetration they made on the northern foundation of the 105 Maiden Lane residence.

1311: Ludlow has begun to place 12" of sand above and 6" of sand below the 1" copper water service line they installed at 105 Maiden Lane property, followed by caution tape placed on top of the sand. Ludlow is currently placing native fill in 1' lifts over the sand and caution tape and compacting each lift with a jumping jack.

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1346: Ludlow continues to backfill the trench they excavated at the 105 Maiden Lane property for the installation of a 1" copper water service line.

1421: Ludlow is placing and grading loam at the 105 Maiden Lane property as they work to restore those portions of the property that were disturbed during the installation a 1" copper water service line.

1432: Ludlow is continuing to place, grade, and rake out loam at the 105 Maiden Lane property as they work to restore those portions of the property that were disturbed during the installation a 1" copper water service line. Ludlow has also begun to place grass seed on the raked-out loam.

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**Picture 1: Ludlow prepares to begin excavating a trench for the installation of a 1" copper water service line on the south side of the 110 Maiden Lane residence. View to the northwest.**

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**Picture 2: Ludlow excavating a trench for the installation of a 1" copper water service line on the south side of the 110 Maiden Lane residence. View to the south.**

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**Picture 3: Silt bag that Ludlow placed on the north side of Maiden Lane to discharge water being pumped from the trench they are excavating at the 110 Maiden Lane property for the installation of a 1" copper water service line. View to the north.**

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Picture 4: Ludlow placing sand over the 1" copper water service line they installed at the 110 Maiden Lane property. View to the west.

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**Picture 5: Ludlow raking out loam that they placed on the southside of the 110 Maiden Lane residence to restore those areas that were disturbed by the installation of a 1" copper water service line. View to the west.**

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Picture 6: 1" copper water service line that Ludlow inserted through the southern foundation of the 110 Maiden Lane residence and secured in place with non-shrink grout. View to the south.

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**Picture 7: Pneumatic mole that Ludlow is using to make a hole beneath the sidewalk of the 105 Maiden Lane residence for the installation of a 1" copper water service line. View to the north.**

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Picture 8: Water that was observed in the bottom of the trench that Ludlow is excavating at the 105 Maiden Lane property for the installation of a 1" copper water service line.

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Picture 9: Ludlow preparing to set a pump in the trench they excavated at the 105 Maiden Lane property for the installation of a 1" copper water service line. View to the southwest.

Res. Representative:

J. Meunier

Date: 12/07/21

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**Picture 10: 1" copper water service line that Ludlow has passed through the penetration they made on the northern foundation of the 105 Maiden Lane residence and secured in place with non-shrink grout. View to the north.**

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**Picture 11: Ludlow raking loam at the 105 Maiden Lane property as they work to restore those portions of the property that were disturbed by the installation of a 1" copper water service line. View to the north.**