

# AECOM

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	November 19, 2021
<b>Location:</b>	Maple Avenue, Durham	<b>Day of Week:</b>	Friday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	367
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 14

Weather Conditions			
Conditions:	Daylight hours: Clear. Wind's variable 0-2 mph.		
Temperature (°F):	High 60°F	Low 28°F	

Contractors & Subcontractors Workforce				Equipment in Use			
Trade	#	x	hrs	Trade	#	X	hrs
USACE				Ludlow Construction			
Field Engineer	1	x	8	Superintendent	1	X	8
				Safety Officer	1	X	8
				Foreman	1	X	8
				Dump truck Operator	1	X	8
				Excavator Operator	1	X	8
				Skid Steer/ Bucket Loader	1	X	8
				Laborers	4	X	8
United Concrete	0	X	8	Note that some persons			
Fazzino Plumbing	1	x	8	operate multiple pieces			
A&R Electrical	2	x	8	of equipment.			
CT Traffic Control	0	x	8	Sub-contractor	3	X	8
DN Tanks	0	x	8	Municipal Police Detail	0	X	8
				State Police Detail	0	X	8

Visitors:

**Pipe Connections, Installations, and Other Work**

Ludlow installed a 1" copper water service line for the 254 Maple Ave residence.

A & R Electric installed 3/4 rigid conduit and ran a #8 ground wire inside of the conduit at the booster station. The #8 wire will be used by the telephone utility company to ground their equipment.

Fazzino Plumbing returned to the Booster Station and replaced all gas piping fittings with new USA made fittings from Ward MFG.

**Daily Activities – Installation of Water Lines, Maple Avenue, Durham**

Ludlow completed the installation of a 1" copper water service line for the 254 Maple Ave residence.

0700: Ludlow arrives at the 254 Maple Ave residence.

0710: In preparation for excavation for the 1" copper water service line on the 254 Maple Ave residence, Ludlow places wood plates over the stone walkway to avoid any damage.

0720: Ludlow digs a small trench on the north side of the house to locate the entrance point for the service line to run through the foundation into the basement of the 254 Maple Ave residence.

0735: Ludlow begins to excavate the area south of the driveway of the 254 Maple Ave residence for the installation of a 1" copper water service line.

<b>Res. Representative:</b>	K. Bennett	<b>Date:</b>	11/19/21
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0820: Ludlow continues to excavate the area south of the driveway of the 254 Maple Ave residence for the installation of a 1" copper water service line.

0840: Ludlow places a pneumatic mole on the trench floor to create a tunnel to feed the copper service line through, eastward to another trench, underneath the stone walkway without disrupting it.

0900: The pneumatic mole successfully penetrates the ground and reaches the destination trench.

0920: Ludlow places a pneumatic mole on the trench floor to create a tunnel to feed the copper service line through, eastward, underneath a flowerbed without disrupting it.

0930: Ludlow operates the pneumatic mole to send it through to the trench on the other side of the flowerbed.

0950: Ludlow retrieves the pneumatic mole as it traveled too far left of the destination trench.

1010: Ludlow sends back out the pneumatic mole after straightening its path.

1040: Ludlow retrieves the pneumatic mole as it went off course from it's of the destination trench, again.

1010: Ludlow sends back out the pneumatic mole after straightening its path.

1120: The pneumatic mole breaks through to the trench on the other side of the flowerbed.

1130: Ludlow lays the 1" copper service in the trench of the 254 Maple Ave residence.

1150: Ludlow penetrates the foundation of the 254 Maple Ave residence with a rotary hammer.

1205: Ludlow connects the 1" copper service to the curb stop for the 254 Maple Ave residence

1225: Ludlow begins to backfill the trench for the 1" copper service at the 254 Maple Ave residence.

1330: Ludlow compacts the backfill in the trench of the 1" copper water service line to 254 Maple Ave residence with a jumping jack compactor.

1420: Ludlow levels the gravel driveway for the 254 Maple Ave residence and adds and compacts backfill to any disturbed areas.

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**Picture 1:** In preparation for excavation for the 1” copper water service line on the 254 Maple Ave residence, Ludlow placed wood plates over the stone walkway to avoid any damage. Looking east.



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**Picture 2: Ludlow Excavates the trench for the installation of a 1" copper service line just south of the driveway of the 254 Maple Ave residence. Looking east.**

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**Picture 3: Ludlow places a pneumatic mole on the trench floor to create a tunnel to feed the copper service line through, eastward to another trench, underneath the stone walkway without disrupting it.**

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**Picture 4:** Ludlow excavates a trench south of the driveway of the 254 Maple Ave residence for the installation of a 1" copper water service line. Looking west.

**Res. Representative:**

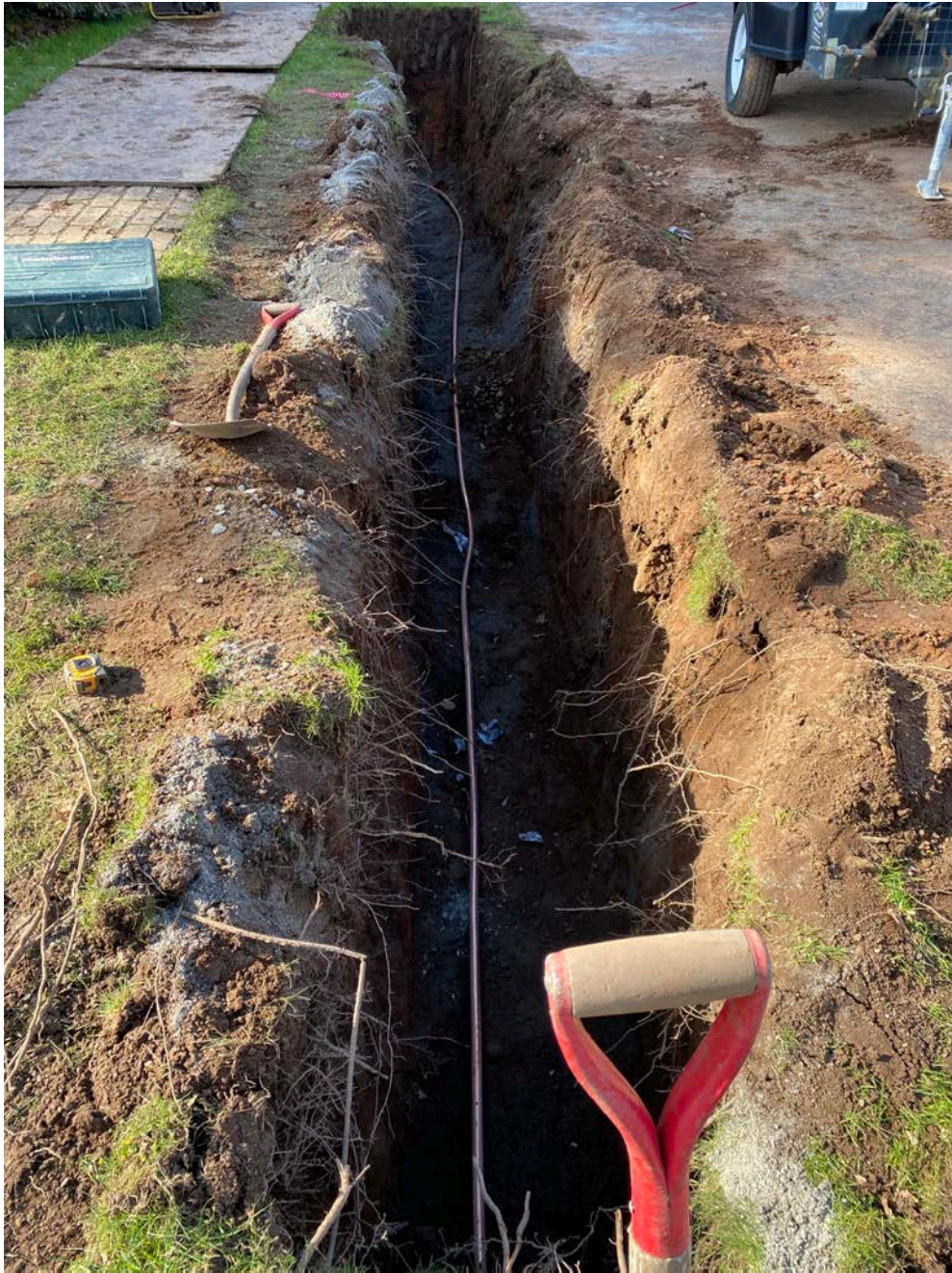
K. Bennett

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**Picture 5: Ludlow places the 1" copper service line in the trench for the 254 Maple Ave residence. property in Durham. Looking west.**

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**Picture 6: The segment of the 1" copper service line which follows the tunnel formed by the pneumatic mole from one trench to another, beneath the stone walkway on the 254 Maple Ave residence. Looking southwest.**

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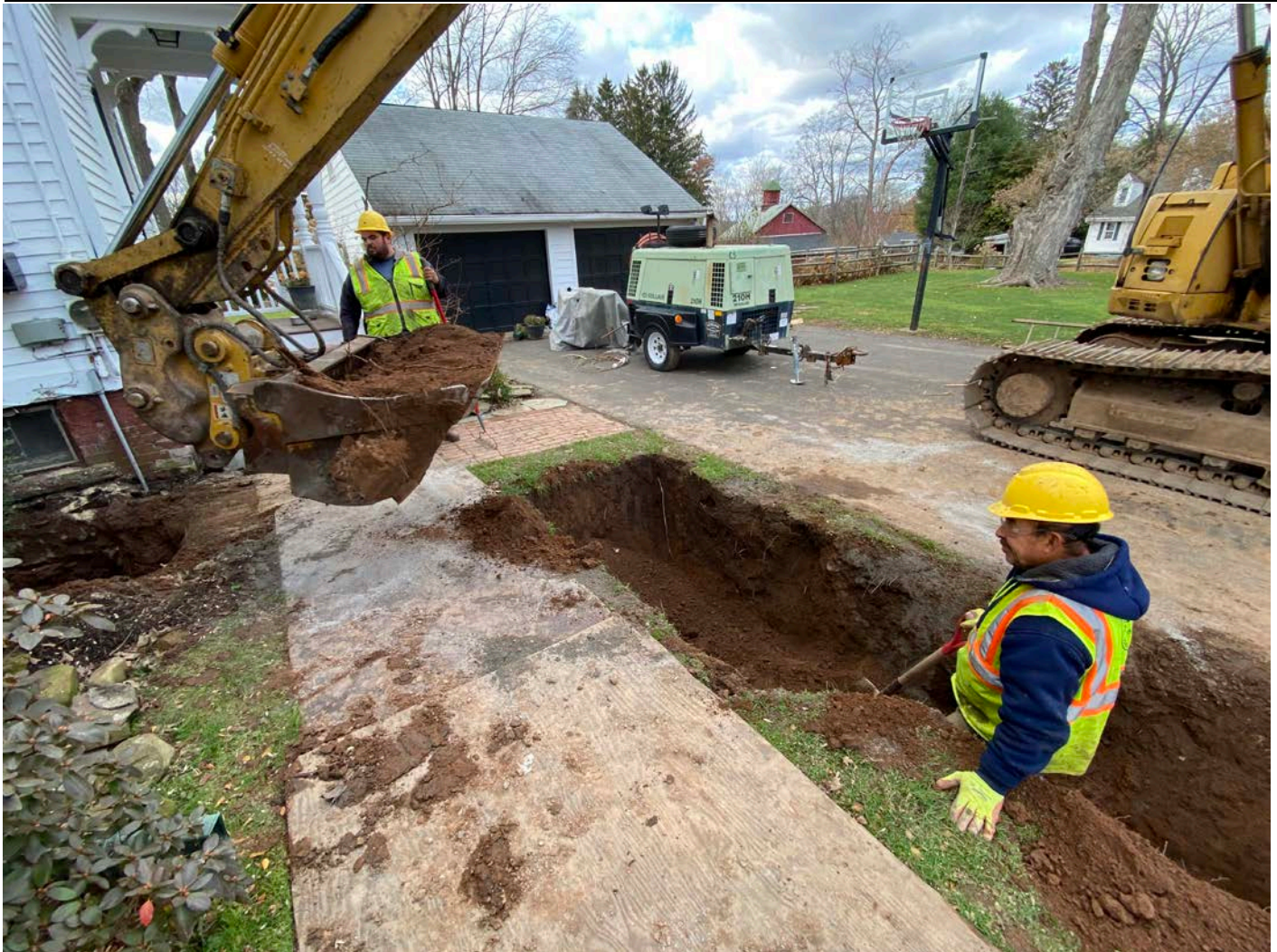
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Picture 7: Ludlow backfills the trench of the 1" copper water service line to 254 Maple Ave residence with native fill. Looking west.

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**Picture 8: Ludlow compacts the backfill in the trench of the 1" copper water service line to 254 Maple Ave residence with a jumping jack compactor.**

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**Picture 9: Ludlow levels the gravel driveway for the 254 Maple Ave residence and adds and compacts backfill to any disturbed areas. Looking east.**

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Picture 10: Ludlow levels any disturbed areas up the driveway to the 254 Maple Ave residence. Looking east.

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Picture 11: Fazino Plumbing returned to the Booster station and replaced all fittings with new fittings from Ward MFG.

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Picture 12: A & R Electric installed 3/4 rigid conduit and ran a #8 ground wire inside of the conduit at the booster station. The #8 wire will be used by the telephone utility company to ground their equipment.

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