

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 31, 2021
Location:	Maple Avenue and Maiden Lane, Durham	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	314
Contractor:	Ludlow Construction	Page:	1 of 14

Weather Conditions			
Conditions:	Daylight hours: Sunny. Winds variable 0-5 mph.		
Temperature (°F):	High 82°F	Low	64°F

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

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow continued with the installation of a 1.5" copper water service line at the residence located at 119 Maple Avenue, Durham. Ludlow continued construction activities at the Maiden Lane stream crossing.

Daily Activities – Installation of water lines, Durham

Ludlow continued with the installation of a 1.5" copper water service line at the residence located at 119 Maple Avenue, Durham.

0727: Ludlow is excavating between the residence located at 119 Maple Avenue and its driveway located approximately 15' to the north. Ludlow is preparing to run a pneumatic mole beneath the driveway to make a hole they can feed 1.5" copper water service line through as part of installation activities.

0832: Ludlow has daylighted the foundation on the north side of the 119 Maple Avenue residence. Ludlow is continuing to excavate on the south side of the driveway between the driveway and the house as they set up to run a pneumatic mole beneath the driveway moving from south to north.

Res. Representative:	J. Meunier	Date:	08/31/21
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0910: Ludlow is using a pneumatic mole to core a hole beneath the driveway at 119 Maple Avenue for the installation of a 1.5 " copper waterline.

0913: Ludlow is using a rotary hammer to core a hole through the north foundation of the 119 Maple Avenue residence. The penetration point is 40" west of the northeast corner of the house.

0916: Ludlow is attempting to use a pneumatic mole to create a hole beneath the driveway at 119 Maple Avenue property for the installation of a 1.5 " copper water service line. Their first attempt failed, as the pneumatic mole emerged on the other side of the driveway at a depth too shallow to install the 1.5" copper water line. Ludlow is setting up to run the mole under the driveway a second time.

1030: Ludlow has failed a third time to punch a hole beneath the driveway of the 119 Maple Avenue property with the pneumatic mole. Ludlow is now saw cutting across the driveway in order to excavate a trench in order to finish the installation of the 1.5 " copper water line.

1251: Ludlow is installing 1.5" copper waterline across the driveway at 119 Maple Avenue The pipe has been put into place and Ludlow is currently covering the pipe with 6" of sand, followed by caution tape, followed by native fill placed in 1' lifts and compacted with a jumping jack.

1420: Ludlow continues to backfill the trench they cut across the driveway at 119 Maple Avenue property for the installation of a 1.5 " copper water service line. The top course of backfill is a 1'-1.5' layer of 1.5 "-minus gravel.

Daily Activities – Maiden Lane stream crossing, Durham

Ludlow continued construction activities at the Maiden Lane stream crossing.

0705: Ludlow continues work on the Maiden Lane stream crossing. There is currently a fair amount of turbidity observed in the stream water downstream of Maiden Lane. AECOM observes a 2" and a 3" hose discharging silty water upstream of the cofferdam that is located upstream of the stream crossing work zone. The silty water is coming from 2 pumps being used next to the work zone to depress the water table. AECOM suggests to Ludlow that they pull those hoses from the stream and discharge the silty water by more appropriate means.

0759: AECOM is still observing silty water being discharged from a 2" and a 3" hose upstream of the cofferdam that is located upstream of the stream crossing work zone. AECOM again suggests to Ludlow that they pull those hoses from the stream and discharge the silty water by more appropriate means.

0802: Ludlow has the 36 " conduit in placed in the bed of Ball Brook at the Maiden Lane stream crossing. Ludlow has just installed a ~4 foot section of 12 " DIP on the west side of the 36 " conduit (inside of which is 12" DIP). Ludlow is continuing to excavate a trench for the installation of 12" DIP westwards towards Brick Lane. Ludlow is continuing to live load excavated materials into dump trucks.

0841: AECOM observes that the turbidity in Ball Brook downstream of Maiden Lane looks significantly better since Ludlow removed the 2" and 3" hoses from discharging water into the brook upstream of the cofferdam located upstream of the work zone.

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0845: Ludlow is installing 12" DIP west of the trench box that is situated in the bed of Ball Brook.

0946: Ludlow has installed 12" DIP approximately 10' west the west bank of Ball Brook. Ludlow is currently excavating on the east side of the trench box to place additional sections of 12" DIP. Turbidity downstream of Maiden Lane is minimal.

1000: AECOM discusses the upcoming storm event with the Ludlow foreman and the two engineers from USACE. The Ludlow foreman said that they are putting 2' of riprap on top of exposed soil on either side of the stream bank and are also planning to put silt fence along the edge of the brook on either side. AECOM asked if it was possible to place haybales next to the silt fence to further assist in erosion control. The Ludlow foreman stated that they have 23 bales of hay they plan to use for that purpose.

1115: Ludlow is working on the east side of the trench box at the Maiden Lane stream crossing. Ludlow has just installed a 45° DIP bend and a ~10 foot section of 12 " DIP.

1125: Ludlow removes the trench box from the stream bed at the Maiden Lane stream crossing. Ludlow is placing 2' of sand over the 36 " conduit and some of the 12 " DIP they installed today. Ludlow is placing native fill that was excavated from the stream bed yesterday over the sand they just placed.

1224: Ludlow is installing 12 " DIP on the west side of Ball Brook, working west towards Brick Lane.

1330: Ludlow has placed 1' minus rip rap in the bed of Ball Brook.

1402: Ludlow had finished work for the day at the Maiden Lane stream crossing. They have roughed out reconstructing the west bank of Ball Brook and have begun to reconstruct the east bank.

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Picture 1: View of the western side of the trench box at the Maiden Lane stream crossing, looking north. Ludlow has connected a short piece of 12" DIP to the section of 12" DIP located inside of the 36" steel conduit and has added a 22.5° DIP bend.

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Picture 2: View of the western side of the trench box at the Maiden Lane stream crossing, looking northeast. Ludlow has connected ~12' section of 12" DIP to the 22.5° DIP bend they just installed and has begun to place sand over the DIP.

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Picture 3: Ludlow placing sand over newly-installed 12" DIP on the west side of the trench box at the Maiden Lane stream crossing. View to the northwest.

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Picture 4: Ludlow using a rotary hammer to penetrate the concrete foundation of the 119 Maple Avenue property for the installation of a 1.5" copper water service line.

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Picture 5: Ludlow saw cutting asphalt on the driveway for the 119 Maple Avenue property as part of the installation of a 1.5" copper water service line. View to the southeast.

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Picture 6: View of the eastern side of the trench box at the Maiden Lane stream crossing, looking south. Ludlow has connected a ~10 section of 12" DIP to a 45° DIP bend they just installed.

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Picture 7: Sand that Ludlow has begun to place over the 36" steel casing that is located within the footprint of the trench box at the Maiden Lane stream crossing. View to southwest.

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Picture 8: Additional 12" DIP that Ludlow has installed on the western bank of Ball Brook as part of the Maiden Lane stream crossing. View to the north.

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Picture 9: Driveway at the 119 Maple Avenue residence where Ludlow is placing sand followed by caution tape followed by native fill over the 1.5" copper water service line they just installed. View to the south.

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Picture 10: Overview of the Maiden Lane stream crossing. Ludlow has placed rip rap on the stream bed of Ball Brook and has begun to reconstruct the west bank of the brook. View to the north.

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Picture 11: Driveway at the 119 Maple Avenue residence where Ludlow is placing 1'-1.5' of 1.5" gravel as the final backfill over the 1.5" copper water service line they just installed. View to the north.