

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	September 03, 2021
Location:	Maple Avenue and Maiden Lane, Durham	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	316
Contractor:	Ludlow Construction	Page:	1 of 15

Weather Conditions

Conditions: Daylight hours: Rain. Winds variable 0-13 mph.
 Temperature (°F): High 73°F Low 57°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	operate multiple pieces			
A&R Electrical	0	x	8	of equipment			
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 finished the installation of a 1.5" copper water service line at the residence located at 129 Maple Avenue, Durham. Ludlow continued construction activities at the Maiden Lane stream crossing.

Daily Activities – Installation of water lines, Maple Avenue, Durham

Ludlow finished the installation of a 1.5" copper water service line at the residence located at 129 Maple Avenue, Durham.

0719: Ludlow is staging at the 129 Maple Avenue to resume the installation of a 1.5" copper water service line.

0809: Ludlow is clearing brush at 129 Maple Avenue property as they prepare to continue the installation of 1.5" copper water service line.

0858: Ludlow continues to excavate at the 129 Maple Avenue property for the installation of a 1.5" copper water service line. Ludlow has been encountering saturated soils while excavating the lower section of the yard. Some water is observed to have pooled up at the bottom of the excavation. The water appears to be seeping out of the sidewalls of the excavation; likely due to the recent storm event two nights ago.

Res. Representative:	J. Meunier	Date:	09/07/21
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AECOM

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0945: Ludlow continues to place 1.5" copper water service pipe at the 129 Maple Avenue residence. Ludlow is dewatering the trench and pumping the water to the east side of Maple Avenue, where it is running down the east side of the road to a catch basin near the corner of Maple Avenue and Route 68, approximately 50' south of that intersection. No silt bag was observed catch basin.

0949: AECOM informs the USACE field representative about the trench water at 129 Maple Avenue being discharged to a storm drain without a silt bag.

1124: Ludlow has placed a silt bag on the east side of Maple Avenue in front of 133 Maple Avenue to treat the water being pumped from the trench at the 129 Maple Avenue residence.

1147: Ludlow has begun to daylight the foundation on the east side of the 129 Maple Avenue residence for the installation of a 1.5" copper water service line. The foundation is made of poured concrete.

1317: Ludlow has installed 1.5" copper water service pipe from the curb stop up to the eastern foundation of the 129 Maple Avenue residence. Ludlow is currently securing the 1.5" pipe that has been passed through a hole in the eastern foundation of the house with non-shrink grout. The penetration through the eastern foundation was made 24'2" north of the southeast corner of the residence.

1406: Ludlow is backfilling over the 1.5" copper water service line that they installed at the 129 Maple Avenue property. They are placing 6" of sand over the copper line, followed by caution tape, followed by native fill that is being placed in 1' lifts that Ludlow is compacting with a jumping jack.

Daily Activities – Maiden Lane stream crossing, Durham

Ludlow continued construction activities at the Maiden Lane stream crossing.

0710: Ludlow is staging at the Maiden Lane stream crossing to resume the installation of 12" DIP.

0729: Ludlow is setting a trench box northwest of Station 412+20 to resume the installation of 12" DIP.

0842: Ludlow continues with the installation of 12" DIP on the east side of the Maiden Lane stream crossing.

0918: Ludlow continues install 12" DIP to the east of the Maiden Lane stream crossing, working towards Station 412+20. Ludlow has a pump operating in the trench and directing evacuated water into a silt bag.

1003: Ludlow has completed the installation of 12" DIP from Station 412+20, heading northwest and connecting to the 12" DIP installed as part of the Maiden Lane stream crossing. Ludlow is currently removing the trench box from the work area.

1011: Ludlow is placing sand over the 12" DIP they just installed northwest of Station 412+20.

1023: Ludlow is backfilling native fill over the sand they placed on top of the 12" DIP northwest of Station 412+20.

1109: Ludlow continues backfilling over installed 12" DIP located northwest of Station 412+20 on Maiden Lane.

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1202: Ludlow is performing restoration work on the west side of the Maiden Lane stream crossing, placing and grading soil. Ludlow has the excavation at Station 410+47 open and are waiting for the delivery of flowable fill to backfill the hole. Ludlow is also cleaning up the intersection of Brick Lane and Maiden Lane with the Broce Broom.

1211: Ludlow is using a rolling compactor on the backfill that was placed in the trench at Station 412+20. Ludlow has restored the work area east bank of Ball Brook at the Maiden Lane stream crossing.

1223: Tilcon arrives at the excavation at Station 410+47 with a load of flowable fill.

1231: Tilcon begins to place flowable fill at the excavation located at Station 410+47, under the direction of Ludlow.

1332: Ludlow has finished work at the Maiden Lane stream crossing for the day. Ludlow has placed steel plates over the excavations located at Stations 412+20 and 410+47.

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Picture 1: Ludlow installing 12" DIP to the northwest of Station 412+20. View to the north.

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Picture 2: Ludlow installing 1.5" copper water service pipe at the 129 Maple Avenue property. View to the north.

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Picture 3: Section of 12" DIP that Ludlow connected to the 12" DIP coming off the east side of the Maiden Lane Stream crossing. View to the southeast.

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Picture 4: Water being discharged to the east side of Maple Avenue that is being pumped from the excavation at the 129 Maple Avenue, Durham, property. The water was later redirected into a silt bag. View to the southeast.

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Picture 5: 12" DIP connecting the 12" DIP coming off Station 412+20 to the 12" DIP coming off the east side of the Maiden Lane stream crossing. View to the southeast.

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Picture 6: Portion of the lawn at 129 Maple Avenue that was disturbed during the installation of 1.5" copper water service line. View to the east.

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Picture 7: Ludlow using a rolling compactor on the backfilled excavation at Station 412+20. View to the northeast.

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Picture 8: Tilcon placing flowable fill into the excavation at Station 410+47 under the direction of Ludlow. View to the west.

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Picture 9: Union between two sections of 1.5" copper water service line that Ludlow installed at the 129 Maple Avenue residence.

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Picture 10: Ludlow compacting native fill that has been placed over the 1.5" copper water service line they installed at the 129 Maple Avenue property. View to the west.

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Picture 11: Maiden Lane stream crossing, looking to the northeast from Station 412+20.

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Picture 12: Area located on the west bank of Ball Brook at the Maiden Lane stream crossing. View to the northwest.