

# AECOM

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	September 1, 2022
<b>Location:</b>	Pickett Lane and Main Street, Durham	<b>Day of Week:</b>	Thursday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	502
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 14

### Weather Conditions

Conditions: Daylight hours: Sunny. Wind variable 0-9 mph.  
 Temperature (°F): High 82°F Low 57°F

Contractors & Subcontractors Workforce				Equipment in Use			
Trade	#	x	hrs	Trade	#	X	hrs
USACE				Ludlow Construction			
Field Engineer	1	x	8	Superintendent	0	X	8
				Safety Officer	1	X	8
United Concrete	0	X	8	Foreman	1	X	8
West State Mechanical	0	X	8	Dump truck Operator	1	X	8
Northeast Rigging	0	X	8	Excavator Operator	1	X	8
Grela Well Drilling	0	X	8	Skid Steer/Bucket Loader	1	X	8
Fazzino Plumbing	0	X	8	Laborers	2	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	0	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 completed the installation of a 1" water service line at Station 517+73 on Pickett Lane, Durham. Ludlow placed loam and grass seed along the driveways of several properties in Durham.

### Daily Activities – Installation of water service lines, Durham

Ludlow completed the installation of a 1" water service line at Station 517+73 on Pickett Lane, Durham.

0714: Ludlow begins to excavate to the south of the curb stop located at Station 517+73.

0739: Ludlow continues to excavate to the south of the curb stop located at Station 517+73 and is preparing to install a meter pit south approximately 7' south of the curb stop.

0811: Ludlow is building a form to pour a concrete pad around the backflow preventer they will install later this morning to the south of the meter pit they are in the process of installing to the south of the curb stop at Station 517+73.

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0831: Ludlow has installed a meter pit 7' south of the curb stop located at Station 517+73 and has run a section of 1" copper pipe between the meter pit and the curb stop.

0851: Ludlow is hand-excavating to locate the 1" HDPE water line that they will tie into with the 1" copper water service line they started installing at Station 517+73.

0911: Ludlow continues to hand-excavate to locate the 1" HDPE water line that they will tie into with the 1" copper water service line they started installing at Station 517+73.

0941: Ludlow continues to hand-excavate to locate the 1" HDPE water line.

0946: Ludlow has not been able to locate the 1" HDPE water line within the footprint of the trench they are excavating for the placement of the 1" copper water service line that will tie into the HDPE line. Ludlow has now begun to excavate at the curb stop located at Station ~517+80 to locate 1" HDPE water line.

1016: Ludlow succeeds in locating the 1" HDPE water line within the footprint of the trench they are excavating for the placement of the 1" copper water service line that will tie into the HDPE line. Ludlow has already placed approximately half of the 1" copper water service line and has begun to cover the copper pipe with sand and caution tape.

1026: Ludlow continues to place sand followed by caution tape over the 1" copper water service line that they have installed so far.

1101: Ludlow has just joined the existing 1" HDPE water line to the 1" copper water line they installed today using a brass coupling. Ludlow has just placed a bed of ¾" stone around the backflow preventer they installed to the south of the meter pit. Ludlow will later pour a concrete pad on top of the ¾" stone bed to create a pad for the backflow preventer.

1139: Ludlow is backfilling over the remainder of the trench they excavated for the installation of a 1" copper water service line after they tied into the existing HDPE line water line.

1201: Ludlow is using a jumping jack to compact the native fill that backfilled into the trench they excavated during the installation of a 1" copper water service line. Ludlow is also performing general housekeeping at the work zone.

1239: Ludlow continues to perform general housekeeping at the work zone located at Station 517+73.

1258: Ludlow is placing and grading loam over the areas that were disturbed during the installation of a 1" copper water service line, the meter pit, and the backflow preventer.

1324: Ludlow continues to grade and seed the loam they are placing at Station 517+73.

### Daily Activities – Other, Durham

Ludlow placed loam and grass seed along the driveways of several properties in Durham.

1405: Ludlow has mobilized to the 208 Main Street residence to place loam and grass seed on both sides of the property's driveway.

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1430: Ludlow has mobilized to the 303/305R Main Street property to place loam and grass seed on both sides of the property's driveway.

1438: Ludlow is placing loam around the shared driveway apron for the 312 and 316 Main Street, Durham, properties. Ludlow has also placed loam and grass seed on the north side of the driveway apron for the 327 Main Street property.

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Picture 1: Ludlow excavating at Station 517+73 for the installation of a 1" copper water service line. View to the southeast.



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Picture 2: Curb stop located at Station 517+73 that Ludlow daylighted. View to the northeast.

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**Picture 3: Meter pit that Ludlow installed at Station 517+73, with a section of 1" copper water service line that was run between the curb stop and the meter pit. View to the southeast.**



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Picture 4: Ludlow placing caution tape over sand they just placed over the 1" copper water service line they are installing at Station 517+73.

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Picture 5: Backflow preventer and meter pit that Ludlow installed at Station 517+73. View to the north.



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**Picture 6: Ludlow connecting the 1" copper water service line that they ran from Station 517+73 to the south and then to the east to the existing HDPE water line.**

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Picture 7: Ludlow compacting backfill on the north side of a concrete form they placed around the backflow preventer at Station 517+73. View to the east.



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**Picture 8: Ludlow using a rolling compactor on the native fill they backfilled over the 1" copper water service line they installed starting at the curb stop located at Station 517+73. View to the northeast.**

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Picture 9: Ludlow grading loam and spreading grass seed on the areas that were disturbed when they installed a meter pit, backflow preventer, and copper water service line starting at the curb stop located at Station 517+73. View to the west.

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Picture 10: Ludlow placing loam and grass seed on both sides of the paved portion of the driveway located at the 208 Main Street, Durham, property. View to the southeast.

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**Picture 11: Ludlow placing loam and grass seed on both sides of the paved portion of the driveway located at the 303/305R Main Street, Durham, property. View to the north.**

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