

# AECOM

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	August 12, 2021
<b>Location:</b>	Main Street, Durham; S. Main Street and the Shared Access Driveway, Middletown	<b>Day of Week:</b>	Thursday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	301
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 17

### Weather Conditions

Conditions: Daylight hours: Rainy/overcast. Winds variable 0-6 mph.  
 Temperature (°F): High 91°F Low 73°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	0	X	8
				Dump truck Operator	1	X	8
				Excavator Operator	1	X	8
				Skid Steer/Bucket Loader	1	X	8
				Laborers	3	X	8
JTC	0	x	8	Note that some persons			
Fazzino Plumbing	3	x	8	Multiple pieces equipment.			
A&R Electrical	2	x	8				
CT Traffic Control	0	x	8	Sub-contractor	5	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 started the installation of a 1.5" copper water service line at the residence located at 10 Johns Way, Durham. Ludlow and A&R Electrical and continued work on the utility duct banks at the water tank work zone located east of the Shared Access Driveway in Middletown. Ludlow pressure tested the piping associated with the two hydrants they installed yesterday at the booster station work zone. Fazzino Plumbing and Heating, Inc. installed final water service to the buildings at 248, 265, and 267 Main Street, Durham. Laydon placed asphalt curbing on Main Street, Durham.

### Daily Activities – Installation of water lines, Johns Way, Durham

Ludlow started the installation of a 1.5" copper water service lines at the residence located at 10 Johns Way, Durham.

0906: Ludlow is mobilizing to the residence located at 10 Johns Way for the installation of a 1.5" copper water service line.

0931: Ludlow starts to excavate at the edge of Maple Avenue, moving east towards 10 Johns Way for the installation of a 1.5" copper water service line. Ludlow indicates that the insertion point on the north side of the house conflicts with an oil tank on the inside of the residence. They plan to pass the 1.5" copper water service line through an existing penetration on the north side of the residence's foundation that is currently being used by the home's well water line.

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1031: Ludlow is working on the meter pit that they will install in the trench being excavated for the installation of a 1.5" copper water service line at the 10 Johns Way, Durham, residence.

1126: Ludlow continues to excavate a trench at 10 Johns Way for the installation of a 1.5" copper water service line.

1145: Ludlow places the meter pit into the trench they have excavated at the 10 Johns Way residence.

1314: Ludlow has completed about half of the excavation required to bring a 1.5" copper water service line to the residence located at 10 Johns Way, Durham. Ludlow is also backfilling over sections of the 1.5" copper pipe that they have installed today.

1344: Ludlow is using a jumping jack to compact native fill they have placed over the sand and caution tape that was placed over the 1.5" copper water service line at 10 Johns Way, Durham. The fill is being placed in 1' lifts.

1445: Ludlow continues to work at the residence located at 10 Johns Way installing a 1.5" copper water service line.

1454: Ludlow has finished work at the residence located at 10 Johns Way, Durham for the day.

### Daily Activities – Full water service installation activities, Main Street, Durham

Fazzino Plumbing and Heating, Inc. installed final water service to the buildings at 248, 265, and 267 Main Street, Durham.

0956: Fazzino Plumbing finishes the installation of final water service components at the residence located at 248 Main Street, Durham.

1006: Fazzino Plumbing mobilizes to the residence at 265 Main Street, Durham, to install final water service components.

1105: Fazzino Plumbing continues to work on installing final water service components at the residence located at 265 Main Street, Durham.

1355: Fazzino Plumbing finishes the installation of final water service components at the residence located at 267 Main Street, Durham.

### Daily Activities – Miscellaneous road work, Main Street, Durham

Laydon placed asphalt curbing on Main Street, Durham.

0824: Laydon continues placing asphalt curbing on the southbound lane of Main Street, Durham. They are currently working in front of 272 Main Street, Durham.

0852: Laydon is placing asphalt curbing on the southbound lane of Main Street in Durham, across from 281 Main Street.

1225: Layton continues to place asphalt curbing on the southbound lane of Main Street, where they have advanced northwards to the intersection of Main Street and Haddam Quarter Road.

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1255: Laydon is currently placing asphalt curbing on the northbound side of Main Street, Durham, across from where it intersects with Route 147.

1427: Laydon continues to place is placing asphalt curbing on Main Street in Durham. They are currently working on the northbound lane in front of 339 Main Street.

### Daily Activities – Duct bank work, water tank work zone, Shared Access Driveway, Middletown

Ludlow and A&R Electrical continued work on the utility duct banks at the water tank work zone located east of the Shared Access Driveway in Middletown.

0700: Ludlow has mobilized to the water tank work zone to secure sections of rebar together for placement in the duct bank trenches. A&R Electrical has returned to the water tank work zone to continue the placement of PVC conduits.

1005: CT Ready Mix delivers a load of 4000 PSI concrete to the water tank work zone for placement in the utility duct bank trenches and into the three sonotube light pole bases. JTC is present to collect field quality data and 5 concrete cylinder samples. JTC reports the following data for the concrete:

- Loading time: 0900 hours
- Arrival temperature: 81°F
- Air entrainment: 3.3%
- Slump: 6.5"

1010: CT Ready Mix begins to place concrete over portions of the utility duct bank trench and into the three sonotubes that were previously set in place next to the water tank located east of the Shared Access Driveway.

1236: A&R Electrical continues to work on the placement of conduits at the water tank work zone located east of the Shared Access Driveway in Middletown.

### Daily Activities – Pressure testing, booster station work zone, S. Main Street, Middletown

Ludlow pressure tested the piping associated with the two hydrants they installed yesterday at the booster station work zone.

0729: Ludlow is at the booster station to pressure test the hydrants and associated piping that Ludlow installed yesterday.

1044: Ludlow continues to fill water lines associated with the two hydrants they installed yesterday near the northeast corner of the booster station for a pressure test.

1200: Ludlow begins the pressure test on the lines associated with the two hydrants that they installed yesterday near the northeast corner of the booster station. Starting pressure at the hydrant closest to the booster station is 154 PSI. Starting pressure at the hydrant furthest from the booster station is 152 PSI.

1423: Ludlow ends the pressure test on the lines associated with the two hydrants that they installed yesterday near the northeast corner of the booster station. Ending pressure at the hydrant closest to the booster station is 154 PSI. Ending pressure at the hydrant furthest from the booster station is 151.5 PSI.

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Picture 1: Ludlow excavating at 10 Johns Way next to Maple Avenue for the installation of a 1.5" copper water service line. View to the northeast.

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Picture 2: Ludlow leveling concrete that was placed into the sonotubes for the light pole bases at the water tank work zone located east of the Shared Access Driveway in Middletown today. View to the south.

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**Picture 3: 4000 PSI concrete that was placed over sections of the utility duct bank today on the west side of the water tank located east of the Shared Access Driveway in Middletown. View to the west.**

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**Picture 4: 4000 PSI concrete that was placed over sections of the utility duct bank today on the west side of the water tank located east of the Shared Access Driveway in Middletown. View to the south.**

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Picture 5: Ludlow setting meter pit in place in the trench that they excavated for the installation of a 1.5” copper water service line at the 10 Johns Way, Durham, residence. View to the northwest.

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Picture 6: View of progress of the conduit installation on the north side of the water tank located east of the Shared Access Driveway in Middletown. View to the west.

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Picture 7: Ludlow joining two sections of 1.5" copper water service line at the residence located at 10 Johns Way, Durham. View to the east.

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Picture 8: Ludlow placing sand and caution tape over 1.5" copper water service line at the residence located at 10 Johns Way, Durham. View to the north.

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Picture 9: Ludlow compacting fill over 1.5" copper water service line they installed at the residence located at 10 Johns Way, Durham. View to the northeast.

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Picture 10: Ground line that A&R Electrical installed on the northeast side of the water tank located east of the Shared Access Driveway in Middletown.

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Picture 11: Overview of blower enclosure pad and conduit that has been installed on the northeast side of the water tank located east of the Shared Access Driveway. View to the south.

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Picture 12: Final water service components that Fazzino Plumbing installed today at the residence located at 248 Main Street, Durham.

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Picture 13: Final water service components that Fazzino Plumbing installed today at the residence located at 265 Main Street, Durham.

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Picture 14: Final water service components that Fazzino Plumbing installed today at the residence located at 267 Main Street, Durham.

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