

Daily Report

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| Project: | Durham Meadows Pipeline Installation | Date: | August 17, 2021 |
| Location: | Main Street and Maple Avenue, Durham, Shared Access Driveway, Middletown | Day of Week: | Tuesday |
| Project #: | AECOM: 6061487 | Report No: | 304 |
| Contractor: | Ludlow Construction | Page: | 1 of 16 |

Weather Conditions

Conditions: Daylight hours: Partly cloudy. Winds variable 0-10 mph.
 Temperature (°F): High 79°F Low 63°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 | 1 | x | 8 | Note that some persons | | | |
| Fazzino Plumbing | 1 | x | 8 | Multiple pieces equipment. | | | |
| A&R Electrical | 0 | x | 8 | | | | |
| CT Traffic Control | 0 | x | 8 | Sub-contractor | 2 | 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 97 Maple Avenue, Durham. Fazzino Plumbing and Heating, Inc. installed final water service to the buildings at 252 and 262 Main Street, Durham. Laydon placed asphalt curbing on Main Street, Durham. Ludlow placed additional concrete over the utility duct banks they install on the north and west sides of the water tank located east of the Shared Access Driveway in Middletown.

Daily Activities – Installation of water lines, Durham

Ludlow started with the installation of a 1.5" copper water service line at the residence located at 97 Maple Avenue, Durham.

0714: Ludlow is setting up at residence located at 97 Maple Avenue, Durham, for the installation of a 1.5" copper water service line.

0757: Ludlow begins excavating on the north side of the residence located at 97 Maple Avenue for the installation of a 1.5" copper water service line.

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0818: Ludlow begins to cut trees on the sloping portion of the 97 Maple Avenue property next to Maple Avenue as they prepare to install a 1.5" copper water service line.

0837: Ludlow continues to daylight the northern side of the foundation for the 97 Maple Avenue residence in order to install a 1.5" copper water service line.

0922: Ludlow continues to daylight the northern side of the foundation for the 97 Maple Avenue residence in order to install a 1.5" copper water service line.

1130: Ludlow has excavated about 2/3 of the length they need to connect 1.5" copper water service from the curb stop to the north side of the 97 Maple Avenue residence.

1241: Ludlow is setting up to run a pneumatic mole underneath the driveway of the 97 Maple Avenue residence for the installation of a 1.5" copper water service line. Ludlow has drilled through the north side of the home's foundation with a rotary hammer and has inserted the 1.5 copper" waterline into the home's basement. The penetration point is 4'7" west of the home's northeast corner.

1410: Ludlow is backfilling over installed 1.5" copper water service pipe next to the northern side of the 97 Maple Avenue residence. Ludlow has placed sand and caution tape over approximately 70' placed pipe so far.

1446: Ludlow is backfilling the portion of the trench between the driveway in the house with native fill in 1' lifts and compacting with a jumping jack.

1503: Ludlow continues to backfill native fill and compact it using a jumping jack at the 97 Maple Avenue property.

Daily Activities – Water tank work zone, Shared Access Driveway, Middletown

Ludlow placed additional concrete over the utility duct banks they install on the north and west sides of the water tank located east of the Shared Access Driveway in Middletown.

0749: Ludlow is backfilling soil over the concrete that was poured over the utility duck banks last week at the water tank work zone located east of the Shared Access Driveway in Middletown.

1010: JTC arrives at the water tank work zone to collect QC samples from the load of 4000 PSI concrete that CT Ready Mix was supposed to have delivered at 1000 hours this morning.

1107: CT Ready Mix arrives at the water tank work zone with a load of 4000 PSI concrete that will be placed over sections of the utility duct banks located to the west and north of the water tank. The slip for the concrete indicates that the truck left the concrete facility at 1030 hours.

1155: The placement of concrete at the water tank works zone is complete. The concrete was placed over sections of the utility duct bank trenches on the west and north sides of the water tank and on the west side of the electrical enclosure cabinet. The JTC field representative that collected QC samples from the load of concrete delivered to the work zone by CT Ready Mix reported the following:

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AECOM

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- Air Entrainment: 4.0%
- Slump: 7.25"
- Temperature: 80°F

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

Fazzino Plumbing and Heating, Inc. installed final water service to the buildings at 252 and 262 Main Street, Durham.

0939: Fazzino Plumbing is at the residence located at 252 Main Street in order to install final water service components in the home's basement.

1043: Fazzino Plumbing has finished with the installation of final water service components at the residence located at 252 Main Street in Durham.

1058: Fazzino Plumbing is working at the 262 Main Street residence for installation of final water service components in the home's basement.

1316: Fazzino Plumbing continues working at the 262 Main Street residence for installation of final water service components in the home's basement.

Daily Activities – Miscellaneous road work, Main Street, Durham

Laydon placed bituminous concrete curbing on Main Street, Durham.

0948: Laydon is working on the northbound side of Main Street at Station 150+50 placing bituminous concrete curbing.

1118: Laydon continues to place bituminous concrete curbing on the northbound lane of Main Street, Durham, at Station 150+00.

1151: Laydon continues to place bituminous concrete curbing on the northbound lane of Main Street, Durham, at Station 157+75.

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Picture 1: Ludlow backfilling over portions of the utility duct banks located west and north of the water tank located east of the Shared Access Driveway in Middletown. View to the north.

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Picture 2: Ludlow removing trees at the 97 Maple Avenue property to install a 1.5" copper water service line to the residence. View to the east.

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Picture 3: View of the excavation that Ludlow has made at the 97 Maple Avenue property for the installation of a 1.5" copper water service line. Ludlow used a pneumatic mole to punch a hole under the brick sidewalk for the copper pipe to be placed. View to the southeast.

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Picture 4: Ludlow excavating on the 97 Maple Avenue property. Note pneumatic mole in trench. View to the west.

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Picture 5: Ludlow using a pneumatic mole to create a hole beneath a brick walkway for the placement of 1.5” copper line. View to the east.

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Picture 6: 1.5" copper pipe that was inserted through the northern foundation of the 97 Maple Avenue residence and secured in place with non-shrink grout. View to the northwest.

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Picture 7: 1.5" copper pipe that was inserted through the northern foundation of the 97 Maple Avenue residence and secured in place with non-shrink grout. View to the south.

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Picture 8: Ludlow in the process of placing sand followed by caution tape over installed 1.5" copper water service line at the 97 Maple Avenue property. View to the east.

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Picture 9: 4000 PSI concrete that was placed over a section of the utility duct bank 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 10: 4000 PSI concrete that was placed over a section of the utility duct bank on the west side of the water tank located east of the Shared Access Driveway in Middletown. View to the southeast.

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Picture 11: 4000 PSI concrete that was placed over a section of the utility conduits on the west side of the electrical enclosure located north of the altitude valve vault at the water tank work zone in Middletown. View to the southeast.

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Picture 12: Final water service components that Fazzino Plumbing installed today at the residence located at 252 Main Street, Durham. View to the south.

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Picture 13: Final water service components that Fazzino Plumbing installed today at the residence located at 262 Main Street, Durham. View to the south.

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