

# AECOM

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	August 02, 2021
<b>Location:</b>	Main Street and Maple Avenue, Durham; Shared Access Driveway, Middletown	<b>Day of Week:</b>	Monday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	293
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 11

### Weather Conditions

Conditions: Daylight hours: Sunny, 50% clouds. Winds variable 5-10 mph.  
 Temperature (°F): High 78°F Low 56°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	0	X	8
				Dump truck Operator	2	X	8
				Excavator Operator	1	X	8
				Skid Steer/Bucket Loader	1	X	8
				Laborers	3	X	8
United Concrete	0	x	8	Note that some persons			
Fazzino Plumbing	2	x	8	Multiple pieces equipment.			
A&R Electrical	0	x	8				
CT Traffic Control	1	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 installed a new corporation stop and 2 feet of water line to 120 Main Street. Ludlow has partially installed 1.5" water service to 280 Main Street (Notre Dame Church). Fazzino Plumbing and Heating, Inc. installed final water service to the buildings at 239 Main Street and 242 Main Street. Paving of the southern end of Maple Avenue is currently in process.

### Daily Activities – Installation of water lines, Main Street, Durham

Ludlow installed a new corporation stop and 2 feet of water line to 120 Main Street after the plumber reported that the house had pressure but no flow. In the process they plugged an old foundation drain they encountered that was cut through when the water main was installed (not by Ludlow) roughly 8 years ago. The need to go back to 120 delayed work at 280 Main Street; although running the line to the Notre Dame Church would be a 1.5-2 day job anyway given the complexity of bringing the water line into the building. Ludlow managed to install 79.2 feet of 1.5" copper line from the curb stop to the meter vault, and then to a point just south of the southeast corner of the building. They will complete the rest of the line, which is set to enter the southwest corner of the building, later in the week due to scheduling at other locations. Tuesday at Durham Family Eyecare and Durham Market and Wednesday at 227 Main Street, where the installation will go through the existing water line foundation for final hook up by Fazzino.

<b>Res. Representative:</b>	W. Abrahams-Dematte	<b>Date:</b>	08/02/2021
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0730: Ludlow begins work at 120 Main Street. The installation was a second attempt at repair at this location. The plumbers determined, during their installation inside the house, that there was pressure but no flow. Having addressed all the piping and other options, Ludlow determined that the saddle/Corp that was previously installed by others was not properly set. Rather than locating and shutting down the main, Ludlow closed and abandoned the original corporation stop and installed a new corporation stop and a couple feet new line. While they were performing the work, they plugged an old drainage line that had been abandoned during the initial water main installation. New tie-offs are included in this report.

0945: Ludlow is backfilling and finish grading at 120 Main Street. Beginning demobilization to the next location (church on Main Street) to begin installation there.

1030: Off site of 120 Main Street and setting up at 280 Main Street, Notre Dame Church.

1100: Ludlow has excavated and installed 1.5" copper water line from the curb stop (located 48 feet west from the water main) to the meter pit, which was installed another 10 feet west of the curb stop.

1230: Ludlow is simultaneously trying to excavate the irrigation lines that they had repaired previously. Apparently there is a problem with the system that causes it to run. However, they broke another line by the church and the search for the leak will have to be suspended, not only to fix the water line, but also until after the municipal water line is hooked up to avoid drying out the well which is still serving the rectory. Many unmarked water lines and electrical lines were encountered today. Three unmarked Romex electrical lines were also broken during trenching.

1330: Ludlow has installed 79.2 feet of 1.5-inch copper water line to a point near the southeast corner of the church. They used an air driven tunneling device to avoid digging up church paved areas. They are currently fixing the irrigation line and 2 out of 3 electrical breaks. The last break requires some additional line to be able to reconnect. As for the irrigation line, Ludlow is certain of their connections and therefore thinks that the line may have disconnected elsewhere, where they haven't dug. The plan is to run the system after the municipal supply is connected to determine where the leak is occurring.

1420: Ludlow is finishing up backfilling and securing the site.

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

Fazzino Plumbing and Heating, Inc. installed final water service to the buildings at 239 Main Street and 242 Main Street.

0745: Fazzino starting off at 239 Main Street today. Fazzino reported that 120 Main Street had pressure but no water flow (last week); this morning Ludlow repaired the water line. Fazzino said they will need to have Kathy book a return to check the water pressure and flow. Fazzino also noted that they will not be working on Tuesday 8/3/21 but will return on Wednesday 8/4/21.

1244: Fazzino has completed 239 Main Street installation of final water service components. The components were installed on the south facing side of the home where the water line came into the side of the house.

1505: Fazzino has completed 242 Main Street installation. Service enters the house on the east (front of house) side which is where the infrastructure was place.

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### Daily Activities – Miscellaneous road work, Durham

Paving of the southern end of Maple Avenue is currently in process. Appears that they may be heading up Cemetery Road, which is also closed, or possibly just continuing up Maple and coming back to Cemetery. Will check status tomorrow.

### Daily Activities – Altitude valve vault, Shared Access Driveway, Middletown

No activities noted today.

**Res. Representative:**

W. Abrahams-Dematte

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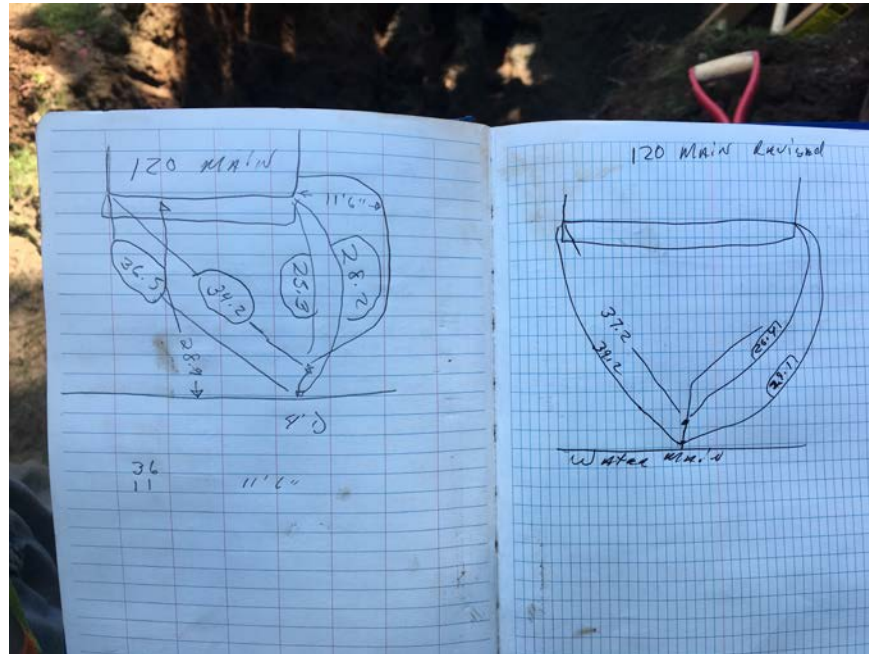
Picture 1: Fazzino installation at 239 Main Street. Completed on south wall of building.



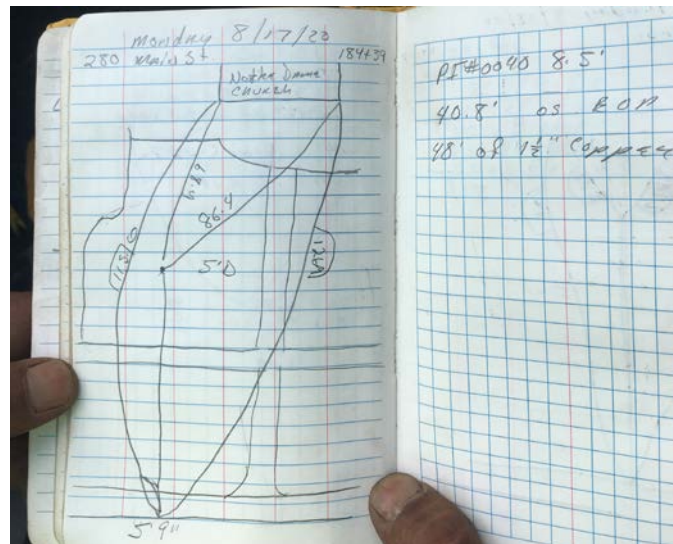
Picture 2: Fazzino installation at 242 Main Street. Installation is on the east wall of the home.

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Picture 3: Ludlow tie-offs for 120 Main Street. On the left were the original tie-offs and on the right are the tie-offs for the location of the relocated corporation connection and curb stop. Note that the water main here is plastic not ductile iron.



Picture 4: Facing south. Ludlow backfilling 1" copper service line at 268 Main St. Line installed along edge of drive.

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Picture 5: Facing northeast – 120 Main St. Backfilling new line and corporation connection. Replaced improperly installed corporation stop that prevented water flow to building. The water main is approximately 24 feet from the top step of the porch.

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**Picture 6: Facing west. 280 Main Street (Notre Dame Church) Installation. Curb stop 48 feet from water main in Route 17. Line will run down south side (left) of the building to the back corner.**

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Picture 7: Facing east. View from back of 280 Main Street, where water line will go into the building.



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**Picture 8: Facing north. Ludlow will have to go under the floor of the building and then come up to install the water line at 280 Main Street. This will likely be completed later this week.**

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Picture 9: Facing east. 280 Main Street curb stop and meter vault set 10 feet apart. 1.5-inch copper line in trench. Ludlow installed 79.2 feet of line today.

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Picture 10: Facing southerly. Picture on left is the mole used to pull water line under the pavement area at 280 Main Street to avoid excavating asphalt walkway. On the right behind the ladder is an example of one of the three Romex electric lines buried about 6 inches deep that were breached and later splice back together. In the Ludlow workers hand is and irrigation line, also about 6 inches deep, that was splice back together. There is still a leak in the line, not in any of the dug-up parts that were repaired, but – Ludlow thinks – likely a connection that was pulled out. Leak will be trouble shot after connection of municipal water so as not to dry out the well in the search.