

AECOM

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 11, 2021
Location:	Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Wednesday
Project #:	AECOM: 6061487	Report No:	300
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions

Conditions: Daylight hours: Rainy/overcast. Winds variable 0-7 mph.
 Temperature (°F): High 91°F Low 70°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	2	x	8	Multiple pieces equipment.			
A&R Electrical	2	x	8				
CT Traffic Control	1	x	8	Sub-contractor	6	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 and A&R Electric continued work on installing duct banks at the water tank work zone located east of the Shared Access Driveway in Middletown. Ludlow installed two hydrants at the booster station work zone. Fazzino Plumbing and Heating, Inc. installed final water service to the building at 272 Main Street, Durham.

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

Fazzino Plumbing and Heating, Inc. installed final water service to the building at 272 Main Street, Durham.

1130: Fazzino Plumbing arrives at the building located at 272 Main Street, Durham, for the installation of final water service components.

1158: Fazzino Plumbing continues working the building located at 272 Main Street, Durham, for the installation of final water service components. The 1" copper water service line was inserted through the east side of the foundation, 48" south of the northeast corner of a jog out on the east side of the building (as measured from the inside of the building).

1408: Fazzino completed the installation of final water service components at the building located at 272 Main Street, Durham.

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

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

0719: Two workers from A&R Electrical have mobilized to the water tank work zone to install PVC conduits in the utility duct bank trenches that Ludlow has already excavated.

0739: A&R Electrical is beginning to lay out PVC conduit in the utility duct trenches located to the north and east of the water tank.

0913: Ludlow continues to secure sections of rebar together for placement in the utility duct trench located north and west of the water tank located east of the Shared Access Driveway in Middletown. A&R Electrical is working on placing 1", schedule 40 PVC conduit on top of 3" plastic chairs in the utility duct trenches.

1001: A representative from John Turner is present at the water tank work zone to collect QC samples from the load of concrete that is scheduled to be delivered. Ludlow is assembling rebar to place inside of the concrete form for the blower enclosure pad located on the northeast side of the water tank.

1026: Farmington Ready Mix delivers a load of 5000 PSI concrete to the water tank work zone. 4000 PSI concrete is what was called for in the plans. Field testing for the load of concrete indicated a slump of 6.0" (target is 4" +/- 0.5") and an air entrainment of 4.2% (target is 6.0% +/- 1.0%). The USACE field engineer asks Ludlow if they will be accepting this load of concrete for placement. Ludlow stated that they will accept the concrete for use at the water tank work zone and the booster station.

1035: Farmington Ready Mix begins to pour concrete into the form for the blower enclosure pad located on the northeast side of the water tank.

1231: Ludlow departs the water tank work zone. A&R Electrical continue to work on the placement of PVC conduits.

Daily Activities – hydrant installation, booster station work zone, S. Main Street, Middletown

Ludlow installed two hydrants at the booster station work zone.

0700: Ludlow is at the water tank work zone preparing to mobilize several sections of 6" DIP to the booster station located at Station 750+63 on S. Main Street in Middletown.

0725: Ludlow is preparing to excavate near the northeast corner of the booster station located at Station 750+63 for the installation of two hydrants.

0811: Ludlow continues to excavate on the northeast side of the booster station for the installation of two hydrants.

0844 Ludlow has set up a pump to move water out of the excavation at the booster station work zone. The water is being pumped to the southeast side of the booster Station into a silt bag.

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0857: Ludlow has daylighted a 6" bell coming off a section of previous-installed DIP on the northeast corner of the booster station. Ludlow will connect a section of 6" DIP to the bell using a bell restraint.

0949: Ludlow is connecting a section of 6" DIP to the bell of a section of previously-installed DIP on the northeast corner of the booster station using a bell restraint. Ludlow has attached a 6" MJ 45° DIP bend on the opposite end of the section of 6" DIP

1056: Farmington Ready Mix begins to pour concrete into the form for the generator pad located at the southwest corner of the booster station.

1217: Ludlow is installing one of the two hydrants that will be placed on the northeast corner of the booster station.

1335: Ludlow continues to install two hydrants near the northeast corner of the booster station located at Station 750+63.

1401: Ludlow is backfilling both trenches over the 6" DIP they placed at the northeast of the booster station during the installation of two hydrants. Geofabric was placed on the bottom of the excavation, followed by 3/4" gravel, followed by another layer of geofabric. Ludlow then backfilled with native soil in 1' lifts; compacting between lifts with a jumping jack.

Daily Activities – Miscellaneous road work, Durham

0921: Eversource contractor Laydon Industries is working on the southbound lane Main Street in Durham next to where it intersects with Old Cemetery Road replacing asphalt curbing.

1258: Layton continues to place or replace asphalt curbing on the west side of Main Street main. They are currently working in front of 208 Main Street, Durham.

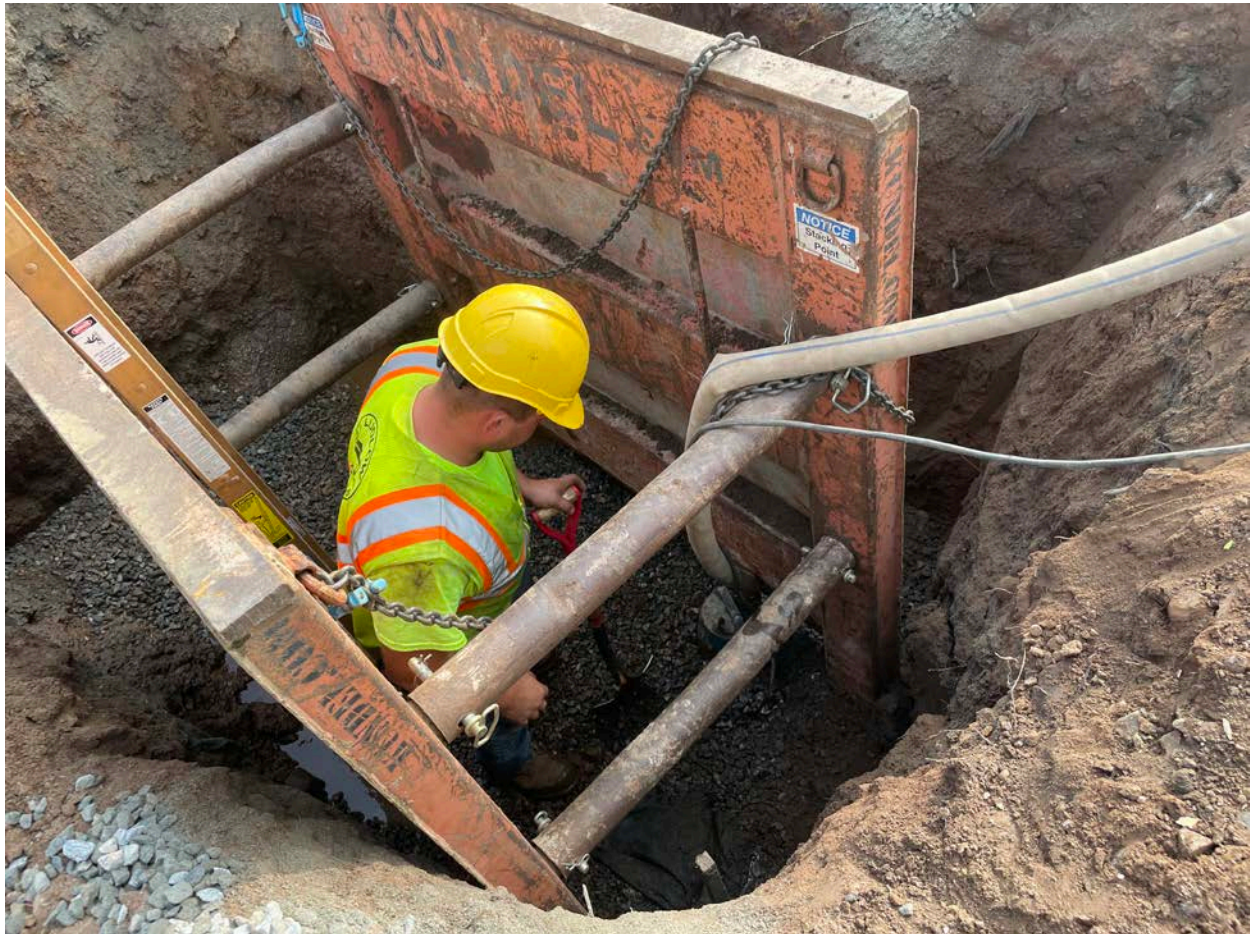
1411: Laydon continues to place asphalt curbing on the west side of Main Street in Durham. They are currently working on the corner of Main Street and Route 68, on the southbound lane of Main Street.

1525: Layton continues to place asphalt curbing on the west side of Main Street main. They are currently working in front of 236 Main Street, Durham.

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Picture 1: Ludlow pumping water out of one of the excavations they made near the northeast corner of the booster station as they install hydrants. View to the northeast.

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Picture 2: A&R Electrical installing 1" schedule 40 PVC conduits for the light pole standards 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 3: Waste asphalt that was recently placed at the booster station work zone. Ludlow confirmed that this material was not placed by them. View to the northeast.

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Picture 4: Rebar that Ludlow is placing inside of the concrete form for the blower enclosure pad on the northeast side of the water tank.

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Picture 5: 1" Schedule 40 PVC conduit that A&R Electrical installed coming off the east side of the electrical enclosure located on the north side of the altitude vault. View to the east.

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Picture 6: Ludlow troweling the concrete that was just poured into the concrete form for the blower enclosure pad located on the northeast side of the water tank located east of the Shared Access Driveway. View to the west.

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Picture 7: Ludlow vibrating concrete as it is being placed in the concrete form for the generator pad located on the southwest corner of the booster station. View to the northeast.

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Picture 8: Ludlow installing one of two hydrants that they installed today near the northeast corner of the booster station. View to the south.

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Picture 9: A&R Electrical placing 3” plastic chairs in the utility duct bank trench located on the north side of the water tank. View to east.

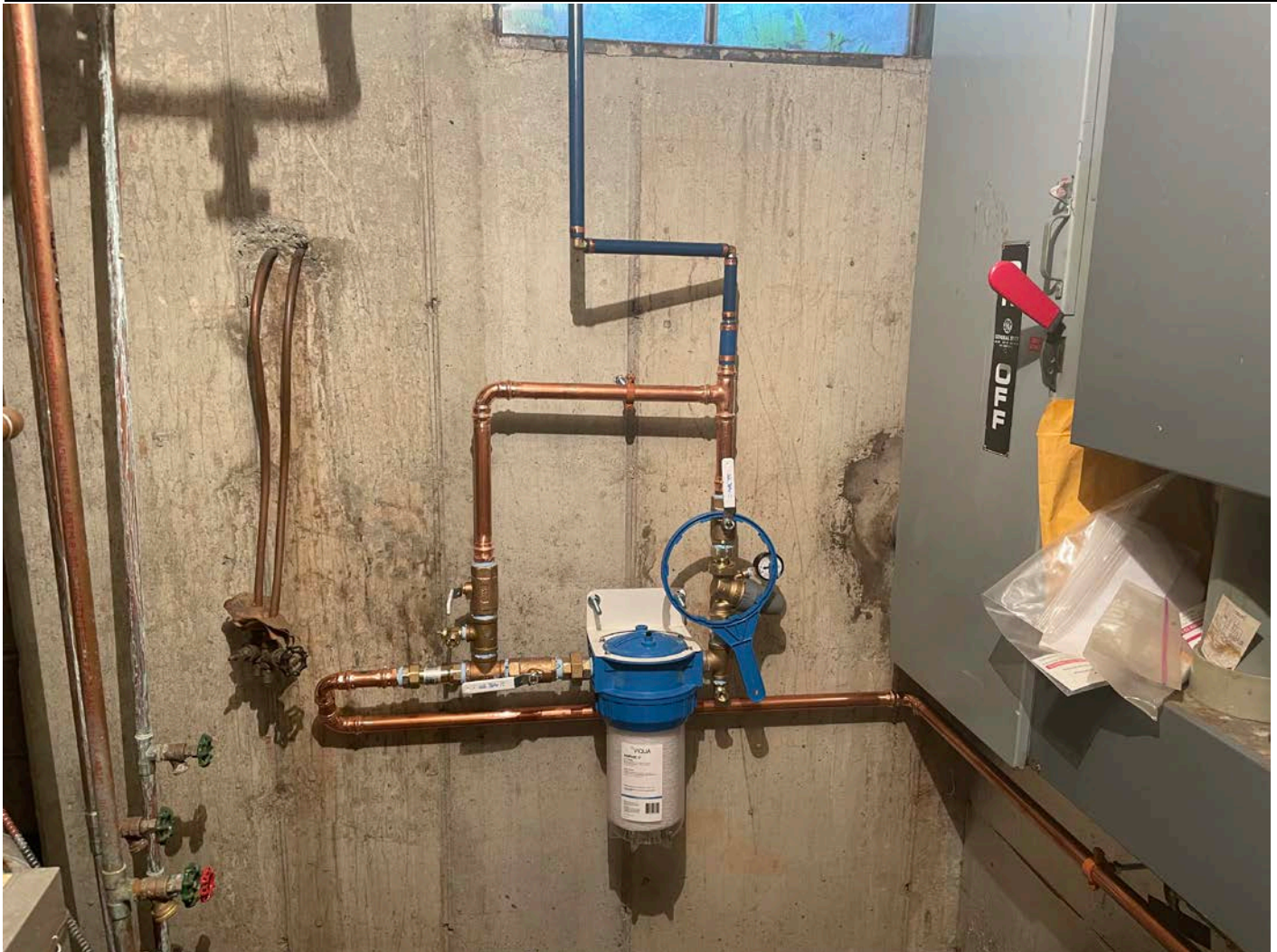
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Picture 10: Final water service components installed at the building located at 272 Main Street, Durham.