

AECOM

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	September 28, 2021
Location:	Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	331
Contractor:	Ludlow Construction	Page:	1 of 17

Weather Conditions			
Conditions:	Daylight hours: Sun/rain. Winds variable 0-3 mph.		
Temperature (°F):	High 72°F	Low	54°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	1	X	8
				Dump truck Operator	1	X	8
				Excavator Operator	1	X	8
				Skid Steer/ Bucket Loader	1	X	8
				Laborers	4	X	8
United Concrete	0	x	8	Note that some persons operate			
Fazzino Plumbing	0	x	8	Multiple pieces equipment.			
A&R Electrical	0	x	8				
CT Traffic Control	1	x	8	Sub-contractor	4	X	8
DN Tanks	3	x	8	Municipal Police Detail	0	X	8
				State Police Detail	0	X	8

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks began to prepare for the installation of a 12" air vent on the northeast side of the water tank. Ludlow placed additional erosion control mats on the loam and seed they placed yesterday on the north and south side of the Shared Access Driveway in Middletown. Ludlow began the installation of a 1" copper water service line at the 321 Main Street building in Durham. United Concrete replaced caulk at the PRV vault and performed several tasks on the interior of the water meter building.

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

DN Tanks began to prepare for the installation of a 12" air vent on the northeast side of the water tank. Ludlow placed additional erosion control mats on the loam and seed they placed yesterday on the north and south side of the Shared Access Driveway in Middletown.

0655: DN Tanks personnel have mobilized to the water tank work zone located east of the Shared Access Driveway in Middletown.

0755: DN Tanks just had a boom lift delivered to the water tank work zone.

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0912: DN Tanks is assembling a portion of the stainless steel air duct (the FL elbow and reducer) that will connect to the blower located on the northeast side around of the water tank.

0920: Ludlow continues to place straw matting on the south side of the Shared Access Driveway where they placed loam and seed yesterday between Stations 12+00 and 13+40. The mat is manufactured by North American Green (DS 150).

1046: Ludlow continues to place straw mat on the north and south side of the Shared Access Driveway where they placed fresh loam and grass seed yesterday.

1058: DN Tanks is using the boom lift to access the top of the water tank located east of the shed access road in Middletown. DN Tanks has not installed anything on the exterior of the water tank so far today.

1217: DN Tanks has paused work as a steady rain has begun to fall.

1256: DN Tanks have decided to stop work for the day due to the amount of rain that is falling and the threat of lightening .

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

Ludlow began the installation of a 1" copper water service line at the 321 Main Street building in Durham.

0725: Ludlow has mobilized to the 321 Main Street property to install a 1" copper water service line. Ludlow is currently saw cutting a footprint for a trench in the asphalt parking lot, working east from the curb stop.

0834: Ludlow has removed almost all of the asphalt from the footprint of the trench they will excavate for the installation of a 1" copper water service line at the 321 Main Street, Durham, property. Ludlow is currently hand-digging on the south side of the 321 Main Street building to daylight existing electric and water lines.

0857: Ludlow begins excavating east of the 321 Main Street curb stop for the installation of a 1" copper water service line.

0940: Ludlow is using the excavator equipped with a hammer to break up rock in the trench they are excavating at the 321 Main Street property for the installation of a 1" copper waterline.

1017: Ludlow continues to excavate a trench eastwards from the curb stop at the 321 Main Street property for the installation of a 1" copper water service line.

1116: Ludlow has connected 1" copper water pipe to the curb stop for 321 Main Street and is the running the pipe east towards the south side of the building.

1148: Ludlow continues excavating at the 321 Main Street property for the installation of a 1" copper water service line.

1235: Ludlow is jackhammering rock approximately 4' south of the southern foundation of the 321 Main Street building. Ludlow has installed approximately 50' of 1" copper water service line from the curb stop moving eastwards. Ludlow has covered the installed pipe with 6" of sand with caution tape placed over the sand. Heavy rain is currently falling.

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1322: Ludlow is inserting 1" copper pipe through a penetration that Ludlow made in the poured-concrete wall on the southside of the 321 Main Street building with a rotary hammer. The penetration to the foundation was made 26' 2" east of the building's southwest corner. Ludlow has begun to place native fill over the sand and caution tape they have already placed over the 50' of 1" copper service line they installed so far.

1356: Ludlow continues to place sand, caution tape, and fill over the 1" copper water service line they have installed at the 321 Main Street property.

Daily Activities – Miscellaneous activities, water meter building, S. Main Street, Middletown

United Concrete performed several tasks on the interior of the water meter building.

0925: United Concrete is working at the water meter building. They will be exchanging the 60 PSI gauge on the 16" DIP waterline with a 150 PSI gauge; pouring concrete around three penetrations in the vault floor; enlarging a hole around a 1/2" PVC conduit that passes through the fiberglass grate located in the northeast corner of the vault; and spot painting over areas of unpainted concrete. United Concrete will use a 5500 PSI Sacrete mix for patching holes in the bottom of the building.

1031: United Concrete continues to work at the water meter building. United Concrete has filled in two of the three floor cutouts (the two that are located on the west side of the building's interior) with 5500 PSI concrete, and is currently filling the cutout at the southeast corner of the vault's interior where the 16" DIP water line penetrates the building's floor.

Daily Activities – Replacement of caulk, PRV vault, Main Street, Durham

United Concrete replaced the caulk on portions of the union between the two sections of the PRV vault.

0738: United Concrete is working at the PRV vault where they are removing caulking between the two sections to the vault roof in order to replace it.

0824: United Concrete continues working on removing the existing caulk between the two sections of the PRV vault roof for replacement.

0902: United Concrete has departed the PRV vault after re-caulking the seam between the two sections of the vault roof.

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Picture 1: Ludlow saw cutting pavement in the driveway of the 321 Main Street property for the installation of a 1" copper water service line. View to the northeast.

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Picture 2: Ludlow hand excavating on the south side of the 321 Main Street building to identify the location of utilities prior to the installation of a 1" copper water service line. View to the north.

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Picture 3: New caulking that United Concrete applied to the seam between the two halves of the PRV vault roof. View to the north.

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Picture 4: DN Tanks assembling sections of the air duct that will be installed on the northeast side of the water tank located east of the Shared Access Driveway in Middletown. View to the south.

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Picture 5: 60 PSI gauge that United Concrete will change out today with a 150 PSI gauge on the 16" DIP waterline located inside of the water meter building located at Station 126+80.

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Picture 6: Gray 1/2 PVC conduit that was installed through the fiberglass grate at the northeast corner of the water meter vault located at Station 126+80. United Concrete will cut a larger hole in the grate around the PVC conduit. View to the east.

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Picture 7: 5500 PSI concrete mix that United Concrete used to fill cut-outs in the water meter building floor.

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Picture 8: Ludlow hammering rock that they encountered while excavating a trench for the installation of a 1" copper water service line at the 321 Main Street property in Durham. View to the east.

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Picture 9: United Concrete placing 5500 PSI concrete around the penetration in the floor of the water meter building where the 16" water line passes through the floor. View to the southeast.

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Picture 10: 5500 PSI concrete that United Concrete placed around a penetration in the floor on the west side of the water meter vault. View to the west.

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Picture 11: 5500 PSI concrete that United Concrete placed around another penetration in the floor on the west side of the water meter vault. View to the west.

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Picture 12: Straw erosion control mats that Ludlow placed on the north side of the turnout located at Station 14+00 on the Shared Access Driveway in Middletown. View to the east.

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Picture 13: Ludlow jackhammering rock on the south side of the 321 Main Street building for the installation of a 1" copper water service line. View to the north.

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Picture 14: Sand and caution tape that Ludlow has placed over 1" copper water service line at the 321 Main Street property. View to the west.

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