

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 27, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Thursday
Project #:	AECOM: 6061487	Report No:	147
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions

Conditions: Daylight hours. Sunny. Winds variable 0-8 mph.
Temperature (°F): High 78°F Low 58°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	2	x	8
Northeastern Steel				Dump truck Operator	4	x	8
Superintendent	0	x	8	Excavator Operator	4	x	8
Laborers	2	X	8	Skid Steer/Bucket Loader	1	x	8
				Laborers	6	X	8
				<i>Note that some persons</i>			
DN Tanks				<i>Multiple pieces equipment.</i>			
Superintendent	1	x	8				
Laborers	5	X	8	Sub-contractor	3	X	8
				Municipal Police Detail	0	X	8
				State Police Detail	2	X	8

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks poured concrete today for the two water tank dome panels and worked on both side panel forms. DN Tanks continued to place rebar on the concrete forms.

Ludlow installed curb stops at Stations 199+93.5, 200+22, 199+43, and 201+36 (201, 199, 202, and 196 Main Street, respectively) and a 16" x 6" M.J. C.L.D.I. hydrant TEE, with a 6" gate valve and gate box at Station 200+01.

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 937+89 to 934+84. This includes the installation of 1" curb stops at Stations 936+89, 936+53, and 936+50; a 1.5" curb stop at Station 935+13, and a hydrant assembly at Station 935+49.

Compaction Testing

Soil compaction testing was not performed today. Compaction test data for the project can be found here:

<https://www.nae.usace.army.mil/Portals/74/docs/Topics/DurhamMeadowsWaterline/CompactionTests/>

Res. Representative:

J. Meunier

Date: 8/27/20

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In addition, soil compaction data is presented in the Contractor Daily Quality Control Reports located here:

<https://www.nae.usace.army.mil/Missions/Projects-Topics/Durham-Meadows-Water-Lines-Project/>

Daily Activities – Water Tank Construction, Shared Access Driveway, Middletown

DN Tanks poured concrete today for the two water tank dome panels and worked on both side panel forms. DN Tanks continued to place rebar on the concrete forms.

0700: DN Tanks and Northeastern Steel are present at the water tank work zone. Two laborers from Northeastern Steel are placing rebar on one of forms for the water tank dome panels. The top of the water tank base still has a layer of water on it to help slow its curing.

0955: Northeastern Steel has 2 laborers working on both dome panel concrete forms. DN Tanks has removed the form from the water tank base. DN Tanks is placing a manway on the wide side panel form and is working on the narrow side panel form. USA Hauling and Recycling is on site to change out the roll off dumpsters.

1125: DN Tanks is currently working on the two dome forms for the top of the water tank, removing rebar from around the periphery of the tank that was used to anchor the form for the water tank, and raising the level of the wide side panel form for the pouring of an additional panel. Northeastern Steel is placing rebar on the narrow tank form.

1141: A truck of concrete arrives on site from Connecticut Ready Mix. JTC's field testing indicates 4.5% air.

1153: DN Tanks begins to pour concrete on one of the two dome forms.

1310: DN Tanks is in the process of placing concrete in the form for the second water tank dome panel.

Daily Activities – Installation of Curb Stops, Main Street, Durham

Ludlow installed curb stops at Stations 199+93.5, 200+22, 199+43, and 201+36 (201, 199, 202, and 196 Main Street, respectively) and a 16" x 6" M.J. C.L.D.I. hydrant TEE, with a 6" gate valve and gate box at Station 200+01.

0714: Ludlow has set up at Station 199+93.5 (201 Main Street, Durham) to install a curb stop.

0732: Ludlow is using the pneumatic mole to get a 1" copper service line beneath the sidewalk at Station 199+93.5.

0851: Ludlow is backfilling the trench for the curb stop at 201 Main Street. Ludlow is in the process of excavating a trench for the installation of a curb stop at 199 Main Street. Traffic management is being provided by two State Troopers. The curb stop at 201 Main Street has been installed 17' from the edge of pavement.

1049: Ludlow has finished installing curb stops at 201 and 199 Main Street. The curb stop at 199 Main Street is 17' from the edge of pavement.

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1209: Ludlow is backfilling the trench at 202 Main Street where they have installed a curb stop. Ludlow has just repaired a 4" PVC drainpipe that was broken during excavation with 4" PVC and 2 Fernco boots. The curb stop is located 34.5 feet from edge of pavement.

1218: Ludlow is saw cutting pavement on the driveway to the Church of the Epiphany driveway at Station 201+36 for the installation of a 2" curb stop.

1400: Ludlow is finishing the installation of a 2" curb stop at Station 201+36 (196 Main Street), which is located 37' from the edge of pavement.

Daily Activities – Installation of 8" DIP, Maple Avenue, Durham

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 937+89 to 934+84. This includes the installation of 1" curb stops at Stations 936+89, 936+53, and 936+50; a 1.5" curb stop at Station 935+13, and a hydrant assembly at Station 935+49.

0708: Ludlow is setting up on Maple Avenue, Durham to resume the installation of 8" DIP, starting at Station 937+89.

0817: Ludlow continues to install 8" DIP on Maple Avenue, Durham. So far, they have installed 80' of 8" DIP.

0927: Ludlow continues to install 8" DIP on Maple Avenue.

1103: Ludlow has 8" DIP installed on Maple Avenue to approximately Station 935+30. This includes the installation of curb stops at Stations 936+89, 936+53, and 936+50. Ludlow is preparing to install an 8" x 8" x 6" M.J. C.L.D.I. hydrant TEE, with a 6" gate valve and gate box at Station 935+49.

1249: Ludlow has finished installing 8" DIP for the day on Maple Avenue at Station 935+16. This includes the installation of a 1.5" curb stop at Station 935+13. Ludlow is finishing up backfilling and compacting the trench and is cleaning the road with the Broce Broom.

1340: Ludlow is working on Maple Avenue placing tack coat along the edges of the trench before applying hot patch.

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Picture 1: Ludlow installing a curb stop at Station 199+93.5 (201 Main Street, Durham). View to the east.

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Picture 2: Ludlow installing a curb stop at Station 200+22 (199 Main Street, Durham). View to the east.

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Picture 3: The top of the water tank base with a layer of water on top of it to slow the cure of the concrete. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.

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Picture 4: DN Tanks placing a manway on the wide side panel concrete form. Water tank work zone, east of the Shared Access Driveway, Middletown.

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Picture 5: Northeastern Steel placing and fastening rebar on one of the water tank dome forms. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.

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Picture 6: JTC collecting an air sample from the one truck of concrete brought to the water tank work zone today for placement on the water tank dome panels. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the west.

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Picture 7: DN Tanks placing concrete on one of the water tank dome panel forms. Water tank work zone, east of the Shared Access Driveway, Middletown.

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Picture 8: PVC drainpipe that was damaged and repaired by Ludlow at 202 Main Street, Durham during the installation of a curb stop.

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Picture 9: Ludlow saw cutting pavement at 196 Main Street, Durham (Station 201+36) for the installation of a curb stop. View to the southeast.

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Picture 10: DN Tanks finishing the surface of freshly-placed concrete on one of the water tank dome panel forms. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.