

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 26, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Wednesday
Project #:	AECOM: 6061487	Report No:	146
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	0	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	7	X	8	Sub-contractor	3	X	8
				Municipal Police Detail	0	X	8
				State Police Detail	1	X	8

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks poured concrete today to form the water tank base. In addition, they poured one wide side panel and one narrow side panel.

Ludlow installed curb stops at Stations 196+56 and 199+12 (215 and 205 Main Street, Durham, respectively).

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 939+50 to 937+89. This includes the installation of corporation stops at Stations 938+77.5 and 938+55.5.

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: 8/26/20

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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 to form the water tank base. In addition, they poured one wide side panel and one narrow side panel.

0650: DN Tanks, JTC, and a concrete pumper truck from American Concrete Pumping Inc. are at the water tank work zone.

0700: DN Tanks is conducting a Health and Safety meeting. The pumper truck From American Concrete Pumping is already set up.

0733: The first concrete truck arrives from Farmington Ready- Mix. JTC begins to collect samples from the truck.

0745: DN Tanks begins to place concrete on the water tank footprint to form the tank base. The concrete is getting poured and vibrated on either side of PVC water stop.

0747: The second concrete truck from Farmington Ready Mix arrives at the water tank work zone. JTC collects a percent air sample from the truck.

0758: DN Tanks is placing the second truckload of concrete for the water tank base. The first truck field tested at 2.5%; the second truck field tested at 2.2 % air.

0812: The third concrete truck Farmington Ready Mix arrives at the water tank work zone.

0816: DN Tanks is beginning to place the third truck of concrete on the water tank base. JTC is not taking an air sample from the third truck.

0831: DN Tanks is checking the elevation of the concrete surface around the entire periphery of the tank above the frost walls at 2-foot intervals.

0834: The fourth truck of concrete arrives on site from Farmington Ready Mix. JTC collects sample volume from this truck and gets a result of 1.7% air.

0851: The fifth truck of concrete arrives on site from Farmington Ready Mix.

0854: DN Tanks begins to place the fifth truck of concrete on the water tank base.

0903: The sixth truck arrives at the water tank work zone from Connecticut Ready Mix. No samples will be collected from this truck.

0938: The seventh truck of concrete arrives at the water tank work zone from Farmington Ready Mix.

0941: JTC collects sample volume from the seventh truck of concrete.

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1003: The eighth truck of concrete arrives at the water tank work zone from Connecticut Ready Mix.

1018: The ninth truck of concrete arrives at the water tank work zone from Farmington Ready Mix.

1028: DN tanks pours concrete into two counterweight forms. The counterweights will be used during the future erection of the water tank side panels. The water tank base has been completely poured.

1324: A tenth truck of concrete that arrived at the water tank work zone and was scheduled to be poured in one of the water tank side panel forms was just sent back to the concrete plant after failing a slump test performed.

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

Ludlow installed curb stops at Stations 196+56 and 199+12 (215 and 205 Main Street, Durham, respectively).

1138: Ludlow is about the hammer rock for the curb stop trench at Station 199+12 (205 Main Street, Durham).

1156: Ludlow is backfilling the curb stop trench at Station 196+56 (215 Main Street, Durham). The curb stop was installed 28.5' from edge of pavement.

1250: Ludlow has the curb stop installed 19.5' from edge of pavement at 205 Main Street. Ludlow is currently backfilling the trench.

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

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 939+50 to 937+89. This includes the installation of corporation stops at Stations 938+77.5 and 938+55.5.

1125: Ludlow has 8" DIP installed up to Station 938+50.

1316: Ludlow is backfilling the trench on Maple Avenue, Durham after installing 8" DIP from Stations 939+50 to 937+89.

1347: Ludlow continues to backfill the trench on Maple Avenue and clean the work zone with the Broce Broom.

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Picture 1: Water tank base laid out with rebar, water stop clamped in place, and PVC pipe temporarily placed to guide the power bull float once concrete has been poured. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the west.

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Picture 2: DN Tanks beginning to pour concrete for the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.

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Picture 3: JTC performing percent air analysis on concrete that was just delivered to the water tank work zone. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the west.

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Picture 4: DN Tanks using the power bull float to smooth and level freshly-poured concrete for the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.

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Picture 5: DN Tanks checks the elevation of the freshly-placed concrete for the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.

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Picture 6: JTC collecting samples for laboratory analysis on concrete that was just delivered to the water tank work zone. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the west.

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Picture 7: DN Tanks vibrating freshly-placed concrete at the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the east.

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Picture 8: DN Tanks finishing smoothing of surface of the freshly-place concrete at the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.

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Picture 9: Ludlow installing a curb stop at 205 Main Street (Station 199+12). Main Street, Durham. View to the east.

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Picture 10: Freshly-placed concrete at the water tank base, with a layer of water placed over it in order to slow the cure. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.

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