

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 13, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Thursday
Project #:	AECOM: 6061487	Report No:	137
Contractor:	Ludlow Construction	Page:	1 of 12

Weather Conditions

Conditions: Daylight hours. Sunny. Winds variable 0-12 mph.

Temperature (°F): High 86°F Low 66°F

Contractors & Subcontractors Workforce					Equipment in Use								
Trade	#	x	hrs		Trade	#	x	hrs		Type	#	x	hrs
USACE					Ludlow Construction					Concrete/Asphalt Road Saw	1	x	8
Field Engineer	1	x	8		Superintendent	0	x	8		Dump truck	5	x	8
					Safety Officer	1	x	8		Excavator – Large	3	x	8
					Foreman	2	x	8		Excavator - Mid-Size	1	x	8
DN Tanks					Dump truck Operator	4	x	8		Excavator - Rubber Wheeled – Rock	0	x	8
Foreman	1	x	8		Excavator Operator	4	x	8		Skid Steer / Bucket Loader	1	x	8
Laborers	7	x	8		Skid Steer/Bucket Loader	1	x	8		Rolling Compactor	0	x	8
					Laborers	6	X	8		Plate Compactor	2	x	8
					<i>Note that some persons</i>					Jumping Jack Compactor	2	x	8
					<i>Multiple pieces equipment.</i>					Street Sweeper (Broce Broom)	1	x	8
										Material Hopper	0	x	8
					Sub-contractor	3	X	8		Pipe saw	1	x	8
					Municipal Police Detail	0	X	8		Light Tower	0	x	8
					State Police Detail	1	X	8					

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow installed curb stops on the east side of Main Street at Stations 190+52 and 189+22.

DN Tanks placed 2.0' of lean concrete at the perimeter of the water tank footprint, and continued to work on the concrete forms for the water tank side panels.

Ludlow installed 12" DIP on Maple Avenue from Stations 916+50 to 913+70. This includes the installation of corporation stops at Stations 916+36, 916+08, and 915+18; and a manual release valve at Station 913+73.

Compaction Testing

Soil compaction testing was 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: 8/13/20

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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 placed 2.0' of lean concrete at the perimeter of the water tank footprint, and continued to work on the concrete forms for the water tank side panels.

0700: Connecticut Ready Mix LLC has arrived at the water tank footprint located to the east of the Shared Access Driveway with the first truck of lean concrete to place around the perimeter of the water tank footprint (DN Tanks refers to this as the frost wall).

0718: JTC arrives at the water tank footprint pad to collect samples of the concrete that DN Tanks will pour this morning.

0725: JTC begins to collect samples of the concrete mix brought to site this morning from first truck from Connecticut Ready Mix.

0726: Connecticut Ready Mix arrives to the water tank footprint with a second truck of concrete.

0733: DN Tanks subcontractor American Concrete Pumping Inc. begins to place concrete around the perimeter of the water tank footprint. Two DN Tanks personnel are using vibrators to settle the concrete, which was placed in ~6" lift.

0748: JTC begins to collect samples of the concrete mix brought on site this morning from a second Connecticut Ready Mix truck.

0927: Connecticut Ready Mix has delivered four trucks of lean concrete to the water tank footprint so far. JTC is collecting samples from each truckload of concrete.

0930: Connecticut Ready Mix delivers a fifth truck of concrete to the water tank footprint.

1139: DN Tanks has finished placing 2.0' of lean concrete around the perimeter of the water tank footprint.

1321: DN Tanks personnel are working on the concrete forms for water tank side panels.

Daily Activities – Installation of 12" DIP, Maple Avenue, Durham

Ludlow installed 12" DIP on Maple Avenue from Stations 920+18 to 916+50. This includes the installation of corporation stops at Stations 918+00, 918+84, 917+58, and 916+58.

0814: Ludlow is working on Maple Avenue in Durham, resuming the placement of 12" DIP at Station 916+50. Ludlow has already installed a 20' section of 12" DIP with a corporation stop at Station 916+36. Ludlow is about to place a second 20' section of 12" DIP, with a corporation stop at Station 916+08. One private flagger and one of the Ludlow personnel are providing traffic management.

0914: Ludlow continues to place 12" DIP in a southerly direction on Maple Avenue, Durham. Ludlow is preparing to install another 20' section of 12" DIP, with a corporation stop at Station 915+18.

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1038: Ludlow has 12" DIP installed up to Station 915+10, and has pavement peeled back to Station 914+50 (where a 1.5" corporation stop will be placed).

1229: Ludlow continues to install 12" DIP on Maple Avenue, heading southbound. They currently have the trench opened up to Station 913+65.

1349: Ludlow has finished placing 12" DIP on Maple Avenue at Station 913+70. This includes the installation of a manual release valve at Station 913+73.

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

Ludlow installed curb stops on the east side of Main Street at Stations 187+26 and 188+22.

0806: Ludlow is trenching across the northbound lane of Main Street in front of Durham Family Eye Care for the placement of a curb stop at Station 190+52. One State Trooper and one of the Ludlow personnel are providing traffic management.

0934: Ludlow continues to install a curb stop at Station 190+52, which will be located 33' from edge of pavement.

0904: Ludlow has installed the 1" copper line for the curb stop at Station 190+52 and is beginning to backfill the trench.

1026: Ludlow has finished installing curb stop at Station 190+52.

1059: Ludlow is hammering pavement in the northbound lane of Main Street as they excavate to install a curb stop at 253 Main St., Durham academy (Station 189+22).

1150: Ludlow continues to install a curb stop at Station 189+22 (253 Main Street, Durham).

1256: Ludlow continues to work on installing a curb stop at Station 189+22 (253 Main Street, Durham).

1335: JTC has just performed compaction testing at Stations 190+52 and 189+22 (curb stop trenches on Main Street, Durham). Ludlow has the trench at Station 190+52 backfilled and compacted. The second trench Station 189+22 has been backfilled in currently being compacted.

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Picture 1: American Concrete Pumping Inc. concrete pumping truck staged at the water tank footprint east of Shared Access Driveway, Middletown. View to the south.

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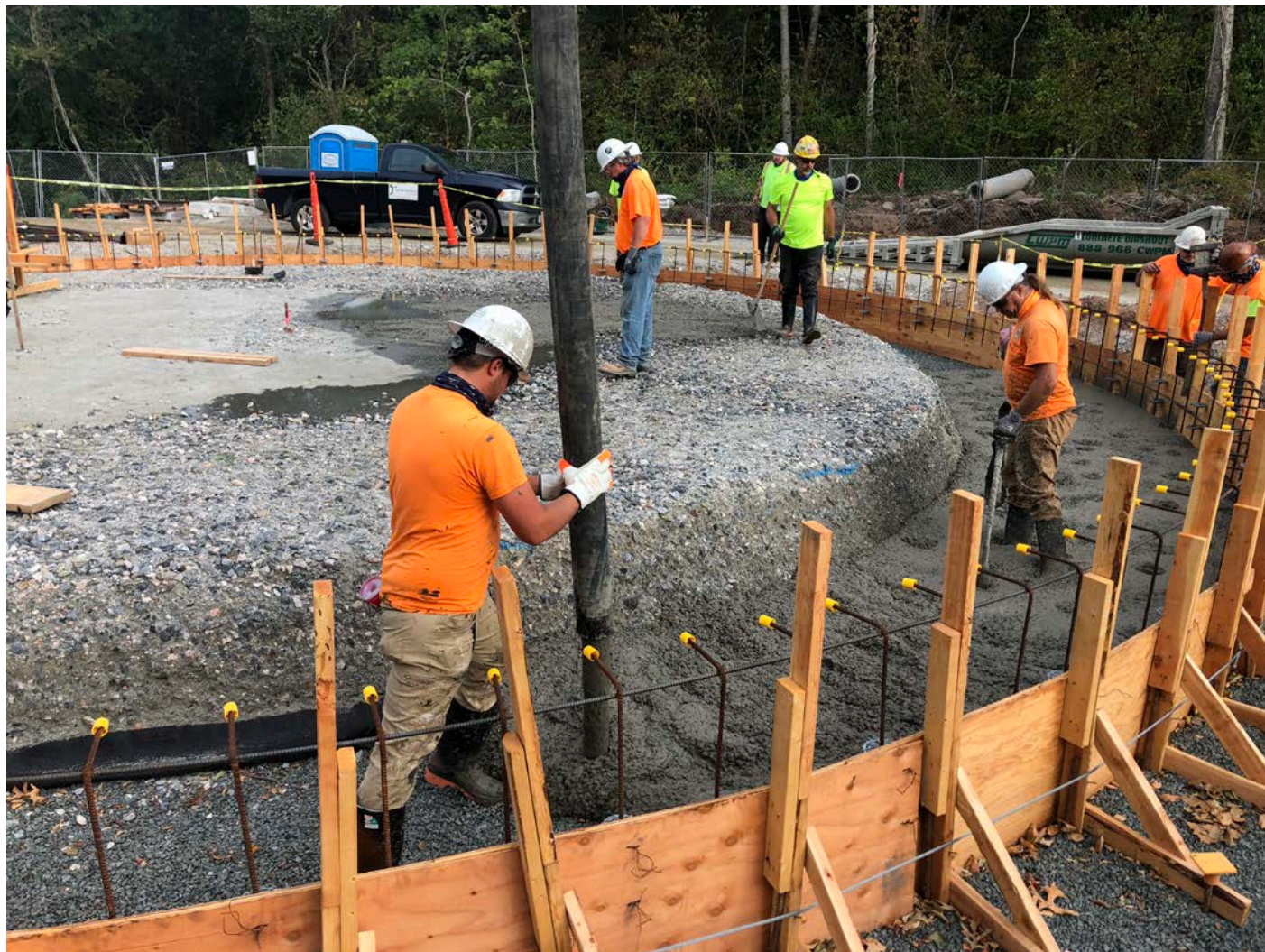
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Picture 2: JTC preparing a concrete sample that was collected from the first of six truckloads of lean concrete delivered to the water tank footprint work zone, east of Shared Access Driveway, Middletown.

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Picture 3: DN Tanks placing first 6" lift of concrete at the water tank footprint. East of Shared Access Driveway, Middletown. View to the north.

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Picture 4: DN Tanks using a hand-held vibrator to consolidate the freshly placed lean concrete. East of Shared Access Driveway, Middletown. View to the north.

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Picture 5: DN Tanks leveling the lean concrete that was just placed at the water tank footprint. East of Shared Access Driveway, Middletown. View to the south.

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Picture 6: DN Tanks working on one of the concrete side panel forms. East of Shared Access Driveway, Middletown. View to the west.

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Picture 7: Ludlow beginning to install a curb stop at 253 Main Street at Station 189+22. View to the west.

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Picture 8: Ludlow beginning to install a curb stop at 243 Main Street at Station 190+52. View to the west.

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Picture 9: Ludlow compacting fill as they prepare to close up trench on Maple Avenue, Durham after installing 12" DIP. View to the south.