

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	August 17, 2020
<b>Location:</b>	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	<b>Day of Week:</b>	Monday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	139
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## Weather Conditions

**Conditions:** Daylight hours. Sunny. Winds variable 0-10 mph.

**Temperature (°F):** High 82°F Low 64°F

Contractors & Subcontractors Workforce					Equipment in Use							
Trade	#	x	hrs		Trade	#	x	hrs	Type	#	x	hr
USACE					Ludlow Construction				Concrete/Asphalt Road Saw	1	x	8
Field Engineer	2	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
Northeastern Steel					Dump truck Operator	4	x	8	Excavator - Rubber Wheeled – Rock	0	x	8
Superintendent	1	x	8		Excavator Operator	4	x	8	Skid Steer / Bucket Loader	1	x	8
Laborers	2	x	8		Skid Steer/Bucket Loader	1	x	8	Rolling Compactor	0	x	8
					Laborers	6	x	8	Plate Compactor	2	x	8
DN Tanks					<i>Note that some persons</i>				Jumping Jack Compactor	2	x	8
Laborers	6	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	2	X	8				

**Visitors:** None.

## Pipe Connections, Installations, and Other Work

DN Tanks subcontractor Northeastern Steel was on site today to help with the placement and fastening of rebar for the water tank construction. DN Tanks took delivery of 6 trucks of 4000 PSI concrete and placed it on the two water tank side panel forms and two water tank dome section forms.

Ludlow installed 12" DIP on Maple Avenue from Stations 911+09 to 907+47. This includes the installation of a 1.5" corporation stop at Station 910+44 and a 2" corporation stop at Station 908+38.

Ludlow installed curb stops today at 312 and 280 Main Street, Durham (Stations 177+54 and 185+56, respectively).

## 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/>

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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 – Installation of Curb Stops, Main Street, Durham

Ludlow installed curb stops today at 312 and 280 Main Street, Durham (Stations 177+54 and 185+56, respectively).

0724: Ludlow begins excavating for placement of a curb stop at Station 177+54 (312 Main Street, Durham) on the north side of the house, running up a gravel driveway. One Ludlow laborer and one State Trooper are currently providing traffic management.

1104: Ludlow has finished the installation of a 1" curb stop at 312 Main Street, Durham.

1142: Ludlow has begun to excavate a trench for the installation of a 1.5" curb stop for 280 Main Street, Durham (the Notre Dame Catholic Church). There are currently two state troopers providing traffic management.

1312: Ludlow continues to install a 1.5" curb stop at Station 185+56 (280 Main Street; Notre Dame Roman Catholic Church).

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

DN Tanks subcontractor Northeastern Steel was on site today to help with the placement and fastening of rebar for the water tank construction. DN Tanks took delivery of 6 trucks of 4000 PSI concrete and placed it on the two water tank side panel forms and two water tank dome section forms.

0705: Northeastern Steel is at the water tank work zone to secure rebar to the concrete panel forms, and on top of the poly sheeting that was placed on top of the gravel that Ludlow placed on the water tank footprint last week. There are currently three Northeastern workers and 6 DN Tank workers at the water tank work zone. The first truck of concrete is scheduled to arrive at 1000 hours today with the first of 6 loads of 4000 PSI concrete mix.

1000: JTC is present at the water tank work zone, preparing to collect concrete examples from the first truck that has arrived today. The concrete is being supplied by Farmington Ready-Mix today.

1018: JTC is currently preparing a concrete sample for an air test.

1045: DN Tanks has about 1/4 of the first panel poured with concrete. A second truck of 4000 PSI concrete mix has arrived on site from Farmington Ready-Mix.

1210: A third truck of concrete has arrived at the water tank pad. JTC is setting up to collect a concrete sample from this truck. DN Tanks has almost finished placing concrete on the first water tank side panel.

1215: DN Tanks begin to place concrete on the second water tank side panel with concrete from the third concrete truck.

1400: DN Tanks has placed five trucks of concrete to create two side panels to the water tank. There is one more truck arriving that will be used to pour into the two concrete forms for the water tank dome. Northeastern Steel is placing rebar on the water tank

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footprint currently.

### Daily Activities – Installation of 12” DIP, Maple Avenue, Durham

Ludlow installed 12” DIP on Maple Avenue from Stations 911+09 to 907+47. This includes the installation of a 1.5” corporation stop at Station 910+44 and a 2” corporation stop at Station 908+38.

0807: Ludlow resumes the installation of 12” DIP on Maple Avenue at Station 911+09, moving in a southern direction. Ludlow is currently preparing to install a 1.5” corporation stop at Station 910+44. One Ludlow labor is providing traffic management.

0900: Ludlow continues to install 12” DIP on Maple Avenue, Durham.

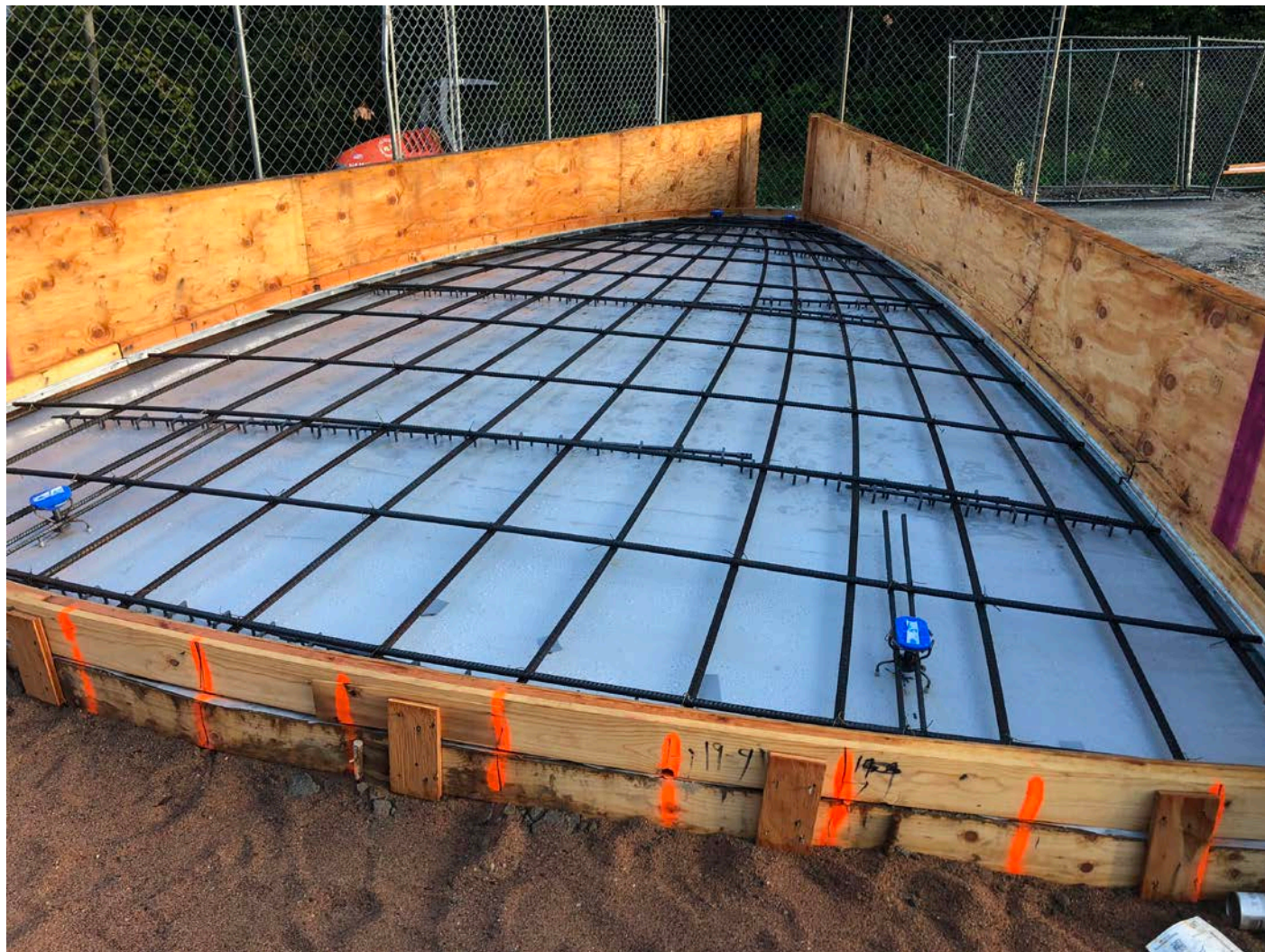
1120: Ludlow has installed 12” DIP up to Station 908+30. A second person from JTC is performing soil compaction testing on the backfilled and compacted sections of the trench. This includes the installation of a 2” corporation stop at Station 908+38.

1249: Ludlow has finished placing 12” DIP on Maple Avenue for the day. The end of placed pipe is at Station 907+47. Ludlow has the trench backfilled and is currently compacting the soil that was backfilled into the trench and cleaning the road with the Broce Broom.

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Picture 1: Concrete form for one of the water tank dome sections that Northeastern Steel has begun to place chairs and rebar on. Water tank work zone, east of the Shared Access Road, Middletown. View to the south.

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**Picture 2: JTC preparing a concrete sample collected from the first of 6 concrete trucks to analyze for percent air. Water tank work zone, east of the Shared Access Driveway, Middletown.**



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**Picture 3: Northeastern Steel placing and fastening rebar on the water tank footprint. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the southwest.**

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**Picture 4: DN Tanks placing 4000 PSI concrete on the first of two water tank side panel concrete forms. East of the Shared Access Driveway, Middletown. View to the west.**

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Picture 5: DN Tanks placing 4000 PSI concrete on the first of two water tank side panel concrete forms. Two DN Tank Laborers can be seen in the background leveling the concrete. East of the Shared Access Driveway, Middletown. View to the west.



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Picture 6: DN Tanks leveling placed concrete on the first of two concrete forms for the side panels of the water tank. East of the Shared Access Road, Middletown. View to the east.



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Picture 7: Northeastern Steel having progressed further in placing and fastening rebar on the water tank footprint. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the southwest



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**Picture 8: Ludlow trenching on the 312 Main Street, Durham property for the installation of a 1" curb stop at Station 177+54. View to the northwest.**

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