

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 28, 2020
Location:	Maple Avenue and the Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	148
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions

Conditions: Daylight hours. Sunny. Winds variable 0-12 mph.
Temperature (°F): High 85°F Low 61°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	1	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>			
				<i>Multiple pieces equipment.</i>			
DN Tanks							
Superintendent	1	x	8				
Laborers	5	X	8	Sub-contractor	3	X	8
				Municipal Police Detail	0	X	8
				State Police Detail	0	X	8

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow backfilled around the frost wall of the water tank, installing a 6" plastic drain around the periphery of the water tank frost wall. Northeastern Steel placed and fastened rebar to the wide side panel concrete form. DN Tanks removed the wood forms that the water tank dome panels were cast in and pressure washed the water stop to remove concrete above the bead line.

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 934+84 to 931+81. This Includes a 1.5" corporation stop at Station 934+68, a 1" corporation stop at 933+55 and 1.5" corporation stop at 933 +40.

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/>

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

Res. Representative:

J. Meunier

Date: 8/28/20

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

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

Ludlow backfilled around the frost wall of the water tank, installing a 6" plastic drain around the periphery of the water tank frost wall. Northeastern Steel placed and fastened rebar to the wide side panel concrete form. DN Tanks removed the wood forms that the water tank dome panels were cast in and pressure washed the water stop to remove concrete above the bead line.

0716: Ludlow has mobilized to the water tank work zone to backfill around the frost wall of the water tank.

0747: Two Northeastern Steel laborers are working on the wide side panel concrete form placing and fastening rebar. Ludlow continues to mobilize to the tank pad as they prepare to backfill around the frost wall of the water tank.

0754: Ludlow begins to fill the depression where the water tank supply pipe is located.

0834: Ludlow continues to fill and grade around periphery of water tank base. DN Tanks is pressure washing the water stop that runs along the top of the water tank base to remove concrete that had adhered to it during the pouring of concrete for the water tank base.

0920: DN Tanks is beginning to remove the wood forms that the water tank dome panels were cast in. Ludlow has backfilled around the water tank supply pipe and is currently leveling the elevation of ½" stone surrounding the frost wall as they prepare to install 6" black plastic drainage pipe.

1035: Ludlow has placed additional ½ stone around the periphery of the water tank and has partially installed the 6" plastic drainage pipe. DN Tanks continues to remove lumber from the concrete forms of the dome panels.

1305: Ludlow has covered the 6" plastic drainpipe with ½" stone to brought up to grade, covered it with silt fence fabric, and is currently covering the silt fence fabric with ~6" lift of gravel.

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

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 934+84 to 931+81. This Includes a 1.5" corporation stop at Station 934+68, a 1" corporation stop at 933+55 and 1.5" corporation stop at 933 +40.

0700: Ludlow is setting up to resume the installation of 8" DIP on Maple Avenue, Durham at Station 934+84

0902: Ludlow continues to install 8" DIP on Maple Avenue, Durham. They have just installed a 1" corporation stop at 933+55 and 1.5" corporation stop at 933 +40.

0941: Ludlow has 8" DIP installed up to Station ~933+00 on Maple Avenue, Durham.

1103: Ludlow has 8" DIP installed up to Station 932+50 on Maple Avenue, Durham.

1216: JTC is present at Maple Avenue to collect soil compaction data.

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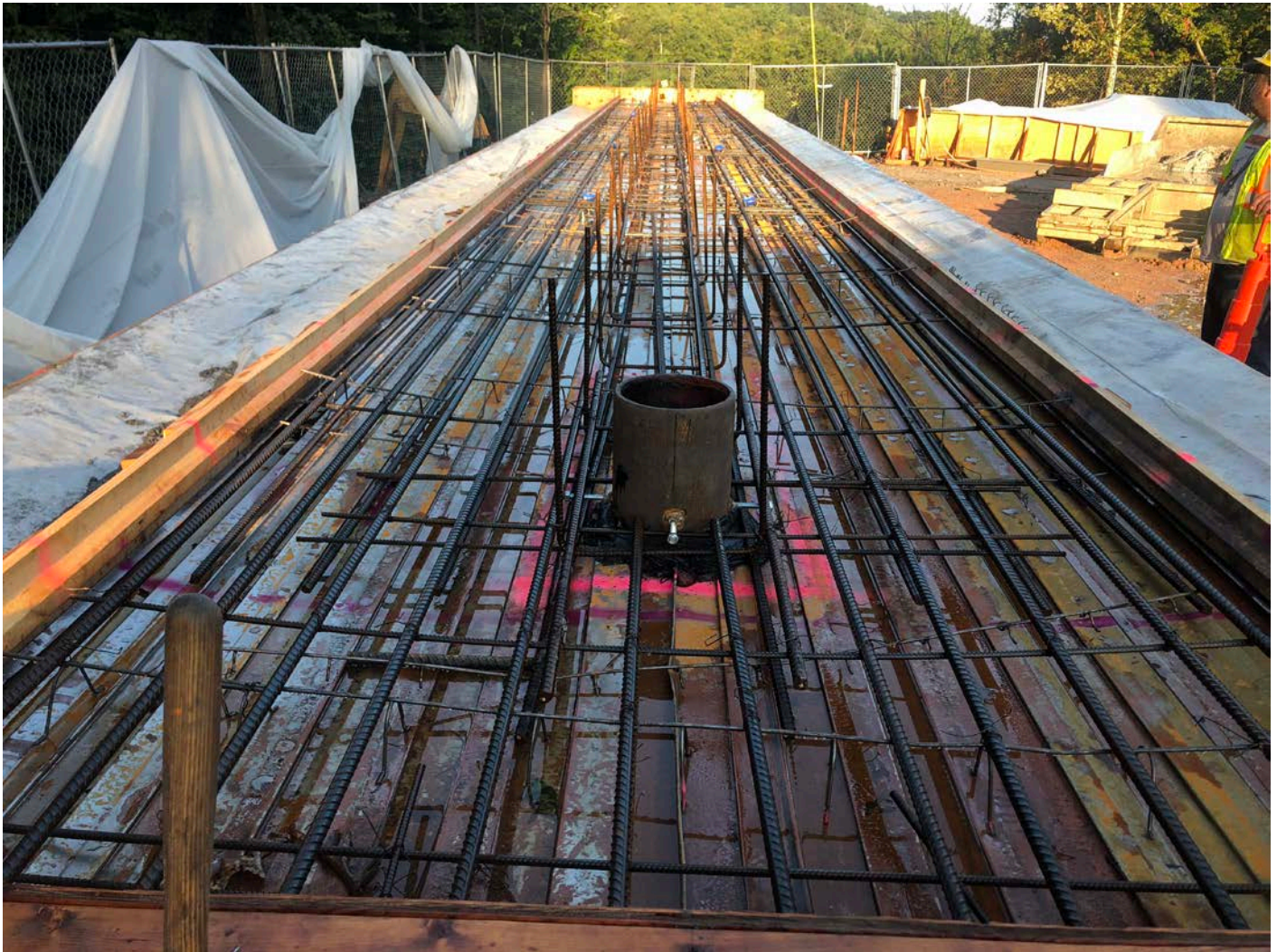
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1230: Ludlow has finished installing 8" DIP for the day at Station 931+81. They are currently placing and compacting soil within the trench.

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Picture 1: Narrow water tank side panel concrete form with rebar fastened into place and ready for concrete pour. Pipe shown is for water tank overflow. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the west.

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Picture 2: Ludlow placing fill around the periphery of 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: DN Tanks using pressure washer to clean concrete from top of PVC water stop on the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the north.

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Picture 4: Ludlow installing 6" plastic underdrain pipe around the periphery of the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the north.

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Picture 5: Stone placed around the 6" underdrain pipe placed by Ludlow around the periphery of the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown.

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Picture 6: Ludlow placing geotextile fabric covered with stone over the 6" underdrain pipe they just installed around the periphery of the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.

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Picture 7: Another view of the geotextile fabric covered with stone that was placed over the 6" underdrain pipe that Ludlow installed around the periphery of the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the west.

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Picture 8: Water tank dome panels with the side of the concrete form removed. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the northwest.

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Picture 9: Ludlow placing geotextile fabric covered with gravel to finish the installation of the 6" underdrain pipe they just installed around the periphery of the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the north.

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Picture 10: 1.5" corporation stop installed by Ludlow on Maple Avenue, Durham at Station 934+68.

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