

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	September 2, 2020
<b>Location:</b>	Maple Avenue and Main Street, Durham, the Shared Access Driveway, Middletown	<b>Day of Week:</b>	Wednesday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	151
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 13

### Weather Conditions

**Conditions:** Daylight hours: Rain. Winds variable 0-5 mph.  
**Temperature (°F):** High 72°F Low 69°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	5	x	8	Sub-contractor	4	X	8
				Municipal Police Detail	2	X	8
				State Police Detail	2	X	8

Type	#	x	hrs
Concrete/Asphalt Road Saw	1	x	8
Dump truck	5	x	8
Excavator – Large	3	x	8
Excavator - Mid-Size	1	x	8
Excavator - Rubber Wheeled – Rock	0	x	8
Skid Steer / Bucket Loader	1	x	8
Rolling Compactor	0	x	8
Plate Compactor	2	x	8
Jumping Jack Compactor	2	x	8
Street Sweeper (Broce Broom)	1	x	8
Material Hopper	0	x	8
Pipe saw	1	x	8
Light Tower	0	x	8

**Visitors:** None.

### Pipe Connections, Installations, and Other Work

DN Tanks worked on installing 8" DIP on the interior side of one of the narrow side panels and removing the wooden formwork from the wide panel concrete forms.

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 925+77 to 924+35. This includes the installation of curb stops at Stations 925+66, 925+25.5, and 924+46, and a hydrant at Station 926+04.

Ludlow subcontractor Veilleux continued to saw cut pavement for trench overcuts on the southbound lane of S. Main Street, Middletown.

Ludlow installed curb stops at Station 198+10 (201-203 Main Street, Durham).

### Compaction Testing

Soil compaction testing was performed today. Compaction test data for the project can be found here:

**Res. Representative:**

J. Meunier

**Date:** 9/2/20

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<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:

<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 worked on installing 8" DIP on the interior side of one of the narrow side panels and removing the wooden formwork from the wide panel concrete forms.

0848: DN Tanks is currently not working as steady rain is falling. They have started to place a section of 8" DIP on the interior side of one of the narrow side panels. DN Tanks has also begun to remove the wooden concrete form from the sides of the water tank wide panel form.

1015: DN Tanks remains inactive as rain continues to fall at the water tank work zone.

1205: DN Tanks has resumed the placement of 8" DIP on the narrow side panel for the water tank. DN Tanks is also continuing to remove the wooden formwork from the wide panel concrete forms.

1351: DN Tanks continues to install 8" DIP on the inside

### **Daily Activities – Installation of 8" DIP and fire hydrant, Maple Avenue, Durham**

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 925+77 to 924+35. This includes the installation of curb stops at Stations 925+66, 925+25.5, and 924+46, and a hydrant at Station 926+04.

0821: Ludlow has installed 8" DIP up to Station 924+75.

1036 Ludlow has stopped the installation of 8" DIP on Maple Avenue for the day at Station 924+35. Rain continues to fall. Ludlow has installed a hydrant at Station 926+04.

1326: Ludlow is placing hot patch on the trench that was opened today on Maple Avenue for the installation of 8" DIP.

### **Daily Activities – Saw cutting of Pavement, S. Main Street, Middletown; Maiden Lane, Durham**

Ludlow subcontractor Veilleux continued to saw cut pavement for trench overcuts on the southbound lane of S. Main Street, Middletown.

0720: Ludlow subcontractor Veilleux is continuing to saw cut pavement on the southbound lane of S. Main St., Middletown. Two Middletown police officers are providing traffic management.

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1137: Ludlow subcontractor Veilleux continues to saw cut pavement for trench overcuts on the southbound lane of S. Main Street, Middletown. The west side of the trench has been cut to Station 119+15. The east side of the trench (which is currently being cut) has progressed up to Station 127+30.

1221: Ludlow is saw cutting pavement in front of 63 Maiden Lane, Durham.

1342: The saw cutting of pavement on S. Main Street in Middletown has progressed another 50 feet south.

### Daily Activities – Installation of curb stops, Main Street, Durham

Ludlow installed curb stops at Station 198+10 (201-203 Main Street, Durham).

0710: Ludlow is setting up at Station 198+10 (201-203 Main Street, Durham Manufacturing, Durham) to install four-inch DIP.

0752: Ludlow is excavating a trench on the northbound lane of Main Street, Durham at Station 198+10 to install a 4" DIP line that will be connected to the 16" main water line running under Main Street. Ludlow has had to hammer rock to excavate the trench.

0915: Ludlow continues to excavate at Station 198+10.

0944: Ludlow has had to pump water out of the trench at Station 198+10. This is rainwater that has been flowing off the street and into the trench.

1000: Ludlow begins to install the first 20 foot section of 4" DIP at station 198+10.

1107: Ludlow has finished the installation of 4" DIP at Station 198+10 and is currently backfilling and compacting the trench. Ludlow is using a Broce Broom to clean up the work zone. The east end of the installed 4" DIP is 19' from the edge of pavement. JTC is on site and is about to collect soil compaction data.

1240: Ludlow has completely backfilled the trench at Station 198+10. All disturbed areas have been loamed and seeded. Ludlow used hot patch to repair the one panel of the concrete sidewalk that was broken in the process of installing the pipe.

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Picture 1: Ludlow installing 4" DIP at Station 198+10, Main Street, Durham. View to the east.



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Picture 2: 8" DIP installed on one of the narrow water tank side panels. Water tank work zone, east of the Shared Access Road, Middletown. View to the west.



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Picture 3: Wide water tank side panels with the wooden forms partially removed. Water tank work zone, east of the Shared Access Road, Middletown. View to the south.



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Picture 4: Ludlow hammering rock as they excavate a trench for the installation of 4" DIP at Station 198+10. 201-203 Main Street, Durham. View to the west.



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Picture 5: Ludlow installing 4" DIP at Station 198+10. 201-203 Main Street, Durham. View to the west.



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Picture 6: JTC collecting soil compaction data at Station 198+10, Main Street, Durham. View to the northwest.

Res. Representative:

J. Meunier

Date: 9/2/20



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Picture 7: DN Tanks placing 8" DIP on one of the narrow water tank side panels. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the south.



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**Picture 8: Filter fabric placed over storm drain on Main Street downgradient of the excavation at Station 198+10. Main Street, Durham.**

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Picture 9: Sidewalk at Station 198+10 temporarily repaired with hot patch. Main Street, Durham. View to the south.



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**Picture 10: Ludlow placing hot patch on the trench that was excavated today for the installation of 8" DIP. Maple Avenue, Durham. View to the southwest.**