

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	July 28, 2020
Location:	Maple Avenue, Main Street, and the Shared Access Driveway	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	129
Contractor:	Ludlow Construction	Page:	1 of 15

Weather Conditions

Conditions: Daylight hours. Sunny. Light Breeze.

Temperature (°F): High 96°F Low 75°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	3	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
					Dump truck Operator	4	x	8	Excavator - Rubber Wheeled – Rock	0	x	8
					Excavator Operator	4	x	8	Skid Steer / Bucket Loader	1	x	8
					Skid Steer/Bucket Loader	1	x	8	Rolling Compactor	1	x	8
					Laborers	6	X	8	Plate Compactor	1	x	8
					<i>Note that some persons</i>				Jumping Jack Compactor	1	x	8
					<i>Multiple pieces equipment.</i>				Street Sweeper (Broce Broom)	1	x	8
									Material Hopper	1	x	8
					Sub-contractor	2	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:

Pipe Connections, Installations, and Other Work

Ludlow installed the northern half of the 36" diameter casing in the stream bed of Allyn Brook.

Ludlow installed curb stops on the east side of Main Street at Station 179+50 (303 & 305R).

DN Tanks began to seam together the steel diaphragms for the water tank side panels.

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/>

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

Res. Representative:

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

Daily Activities – Stream Crossing, Maple Avenue

Ludlow continued to work on the Allyn Brook stream crossing at Maple avenue at Station ~905+00.

0716: Ludlow began to remove soil from the stream bed and place in dump trucks.

0814: Ludlow opened an excavation to a depth of 17'9". The sump pumps were continuously pumping groundwater into the frac tank.

0935: Ludlow installed a trench box inside of the excavation. Ludlow then placed a 36" steel casing inside of the excavation.

1050: Ludlow removed the trench box and is now backfilling the excavation with soil and rip rap.

1215: Ludlow moved the corrugated piping and sandbags to the opposite side of the stream bed.

1340: SAA

Daily Activities – Installation of Curb Stop(s), Main Street, Durham

Ludlow installed (2) curb stop(s) on Main Street at Station 179+50.

0733: Ludlow began to dig a trench on Main Street towards the water main. Ludlow is digging the trench towards 303 Main Street.

0839: Ludlow is using a pneumatic horizontal drill to install the service line to 303 Main Street.

1006: Ludlow is taking a break. Curb stop is installed for 303 Main Street. It is approximately 40' from the road.

1130: Ludlow is backfilling the trench line to 303 Main Street. Ludlow is starting to dig the trench line towards 305R Main Street.

1254: Ludlow installed the curb stop at 305R Main Street. It is approximately 40' from the road. Ludlow is compacting both the trenches at 303 and 305R Main Street.

1400: Ludlow is sweeping up around the work zone and laying grass seed on the trench areas.

Daily Activities – DN Tanks Mobilization, Shared Access Driveway, Middletown

DN Tanks spent the day constructing the water tank side panels.

0752: DN tanks continuing to construct the frost wall forms.

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0935: SAA

1050: DN Tanks begins to construct the side panels for the water tank. They are using a seaming machine to seam together metal sheets for the water tank sidewall panels.

1130: Lunch Break

1420: DN Tanks continues to construct the side panels for the water tank.

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Picture 1: Ludlow construction removing soil from the stream bed, Maple Avenue, Station 905+00. View to the west.

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Picture 2: Ludlow construction pumping groundwater from the stream bed excavation, Maple Avenue, Station 905+00. View to the west.

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Picture 3: Ludlow construction installing 20' long 36" diameter casing into the stream bed excavation, Maple Avenue, Station 905+00. View to the west.

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Picture 4: Ludlow construction digging a water service trench on Main Street, Main Street, Station 179+50. View to the southwest.

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Picture 5: Ludlow construction using a pneumatic horizontal drill to install the service line for 303 Main Street, Main Street, Station 179+50. View to the west.

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Picture 6: DN Tanks seaming together the sheet metal for the tank side panels, Shared access driveway. View to the south.

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Picture 7: Stack of sheet metal for the water tank side panels, Shared access driveway. View to the south.

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Picture 8: Trench showing service line running towards 305R Main Street, Shared access road. View to the west.

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Picture 9: Ludlow Construction compacting the trench line to 303 Main Street, Main Street, Station 179+50. View to the south.

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Picture 10: Ludlow Construction backfilling the stream bed excavation with soil and rip rap, Maple Avenue, Station 905. View to the west.

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Picture 11: Ludlow construction moving the corrugated piping and sandbags to the other side of the stream, Maple Avenue, Station 905. View to the west.

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Picture 12: Ludlow construction removing topsoil in preparation for a piping run on the south side of Allyn Brook, Maple Avenue. View to the North.

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