

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	July 29, 2020
Location:	Maple Avenue, Main Street, and the Shared Access Road	Day of Week:	Wednesday
Project #:	AECOM: 6061487	Report No:	130
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions

Conditions: Daylight hours. Sunny. Light Breeze.

Temperature (°F): High 96°F Low 66°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	3	x	8		Superintendent	0	x	8	Dump truck	5	x	8
					Safety Officer	1	x	8	Excavator – Large	3	x	8
DN Tank					Foreman	2	x	8	Excavator - Mid-Size	1	x	8
Foreman	1	X	8		Dump truck Operator	4	x	8	Excavator - Rubber Wheeled – Rock	0	x	8
Laborers	3	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	1	X	8				

Visitors:

Pipe Connections, Installations, and Other Work

Ludlow installed another section of 36" casing in the stream bed of Allyn Brook. Both casings were welded together.

Ludlow installed curb stops on the east side of Main Street at Stations 180+50 and 182+00. Shallow bedrock was encountered during both installations.

DN Tanks installed new tank pipes in the tank foundation. They began to prep for an additional concrete pour on Thursday.

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/>

Res. Representative:

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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 – Stream Crossing, Maple Avenue

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

0711: Ludlow began to excavate the other side of the stream bed.

0815: Ludlow installed a trench box in the new excavation. The sump pumps were continuously pumping groundwater into the frac tank.

0954: Ludlow installed another 20' section of 36" diameter steel casing in the open excavation.

1123: Ludlow is welding the two sections of casing together.

1227: SAA

1350: Ludlow finished welding the two section of steel casing together. They are backfilling the excavation with soil and gravel.

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

Ludlow installed (2) curb stop(s) on Main Street at Station 180+50 and 182+00.

0733: Ludlow began to dig a trench on Main Street towards the water main. Ludlow is digging the trench towards 297 Main Street. Shallow bedrock is observed.

0855: Ludlow is using a rock hammer at the 297 Main Street property due to the bedrock.

1013: Ludlow is taking a lunch break. Curb stop is installed for 297 Main Street. It is approximately 41' from the road.

1137: Ludlow is beginning to dig the trench at 293 Main Street. Shallow bedrock was encountered, and the sidewalk had to be removed. Ludlow backfilled and tamped down the 297 Main Street trench.

1257: Ludlow is continuing to rock hammer in the 293 Main Street trench. The curb stop is installed and is 40.25' from the road.

1420: SAA

1530: Ludlow is beginning to backfill and compact the 293 Main Street trench line. They are prepping for bituminous pavement.

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

DN Tanks spent the day installing piping and constructing the frost wall.

0742: DN tanks installing new pipes inside of the water tank foundation. Concrete will be onsite tomorrow.

0930: DN tanks are moving the tank siding outside of the work zone using a crane.

1036: SAA

1200: DN tanks are working on constructing a piece of the frost wall.

1330: SAA

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Picture 1: Ludlow construction digging new trench for 36" steel casing, Maple Avenue, Station 905 + 00. View to the southwest.

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Picture 2: Ludlow construction installing a trench box in the new excavation area, Maple Avenue, Station 905 + 00. View to the southwest.

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

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Picture 4: Ludlow construction drilling a horizontal borehole for water service at 297 Main Street, Main Street, Station 180+50. View to the south.

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Picture 5: Curb stop installed by Ludlow construction at 297 Main Street, Main Street, Station 180+50. View to the east.

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Picture 6: DN Tanks checking levels of newly installed tank piping, Shared access driveway. View to the north.

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Picture 7: Ludlow construction backfilling stream bed excavation with soil and gravel, Maple Avenue, Station 905+00. View to the south.

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Picture 8: Ludlow construction rock hammering in a trench line at 293 Main Street due to shallow bedrock, Main Street, Station 182 + 00. View to the west.

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Picture 9: Service line installed at 293 Main Street, Main Street, Station 182+00. View to the west.

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Picture 10: Ludlow construction installing curb stop at 293 Main Street, Main Street, Station 182+00. View to the east.

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