

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	July 20, 2020
Location:	Pickett Lane, Main Street, and the Shared Access Driveway	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	123
Contractor:	Ludlow Construction	Page:	1 of 10

Weather Conditions

Conditions: Daylight hours. Partly sunny. Winds variable 0-3 mph.
Temperature (°F): High 74°F Low 66°F

Contractors & Subcontractors Workforce				Equipment in Use			
Trade	#	x	hrs	Trade	#	x	hrs
USACE				Ludlow Construction			
Field Engineer	1	x	8	Superintendent	0	x	8
				Safety Officer	1	x	8
				Foreman	2	x	8
				Dump truck Operator	4	x	8
				Excavator Operator	4	x	8
				Skid Steer/Bucket Loader	1	x	8
				Laborers	6	X	8
				<i>Note that some persons</i>			
				<i>Multiple pieces equipment.</i>			
				Sub-contractor	2	X	8
				Municipal Police Detail	0	X	8
				State Police Detail	2	X	8

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow continued work on the stream crossing on Hersig Brook at Station ~532+00 on Pickett Lane, Durham.

Ludlow installed a curb stop on the east side of Main Street at Station 171+22.

DN Tanks continued to mobilize materials and equipment to the water tank footprint at the eastern end of the Shared Access Driveway and have begun to construct the frost wall for the water tank.

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:

J. Meunier

Date: 7/20/20

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

Daily Activities – Stream Crossing, Hersig Brook, Durham

Ludlow continued work on the stream crossing on Hersig Brook on Pickett Lane at Station ~532+00.

0710: Ludlow begins to mobilize to the Hersig Brook stream crossing on Pickett Lane after their Monday morning tailgate meeting.

0742: Ludlow is installing a 45° bend on the north side of Pickett Lane at the Hersig Brook stream crossing. This places the piping closer to the 12" DIP that was previously placed on Pickett Lane.

0837: Ludlow has installed a 45° bend of 12" DIP, and has added a 9' section of 12' DIP to the 45° bend.

0850: Ludlow has just installed a 20' section of 12" DIP at the Hersig Brook stream crossing.

0859: Ludlow has added a female-female sleeve at the end of the 20' section of 12" DIP that they just installed.

0948: Ludlow has connected 12" DIP coming from Hersig Brook stream crossing to the 12" DIP that was previously installed on Pickett Lane north of the brook. Ludlow is currently backfilling trench. Ludlow added a 12' section of 12" DIP and a 45° bend to connect to the 12" DIP on Pickett Lane.

1117: Ludlow has removed the downstream cofferdam of silt bags at the Hersig Brook stream crossing. Ludlow is currently removing the upstream cofferdam of sandbags. A significant amount of silt is observed downstream of the work zone.

1205: Ludlow has completely backfilled the trench on north side of the work zone at the Hersig Brook stream crossing. Ludlow is currently placing 6" stone on the north bank of the work zone. The 40" plastic corrugated flow bypass culvert has been removed from the streambed.

1241: Ludlow has just pulled both pieces of 10" slotted PVC from the stream bed at the Hersig Brook stream crossing. Ludlow had sunk the PVC into the bed of the stream and placed pumps inside to temporarily depress the water table during construction activities.

1350: Ludlow continues to clean up at the Hersig Brook stream crossing. Ludlow is currently placing additional 6" rock on the north side of the stream.

Daily Activities – Installation of Curb Stops, Durham

Ludlow installed a curb stop on the east side of Main Street at Station 171+22.

0722: Ludlow is setting up to install a curb stop at Station 171+22 (Gripos Mobil, 349 Main Street, Durham).

0810: Ludlow has one private flagger and two State Troopers managing traffic at Station 171+22.

0913: Ludlow has excavated beneath the concrete sidewalk at Station 171+22 and has started laying out 1" copper line for the curb stop. Ludlow is currently excavating west toward Main Street.

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1013: Ludlow continues to install a curb stop at Station 171+22. The curb stop is set back 45.5' from the edge of pavement.

1140: Ludlow is currently tapping the Main Street water line for the installation of the curb stop at Station 171+22.

1215: Ludlow continues with the installation of a curb stop at Station 171+22.

1251: Ludlow continues to work in on the curb stop installation at Station 171+22. Most of the trench has been backfilled. Ludlow is those currently compacting soil in the trench in the southbound lane.

1331: Ludlow is placing and rolling hot patch at Station 171+22.

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

DN Tanks continued to mobilize materials and equipment to the water tank footprint at the eastern end of the Shared Access Driveway and have begun to construct the frost wall for the water tank.

0923: Ludlow subcontractor DN Tanks is starting to build a form for the water tank frost wall, fixing lumber and rebar around the periphery of the tank footprint. DN Tanks currently has 4 personnel working at the water tank pad.

1036: DN Tanks continues to build a concrete form for the frost wall at the tank pad footprint.

1312: DN Tanks continues to construct the concrete form for the frost wall.

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Picture 1: 9' section of 12" DIP and 45° bend that Ludlow installed on the north side of the Hersig Brook stream crossing. Pickett Lane, Durham; Station ~532+00.

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Picture 2: 20' section of 12" DIP and a female-female 12" DIP sleeve that Ludlow installed on the north side of the Hersig Brook stream crossing. Pickett Lane, Durham; Station ~532+00.

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Picture 3: Curb stop installation underway at Station 171+22. Ludlow has 1" copper water line partially installed. View to the west. Main Street, Durham.

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Picture 4: Sign board erected by DN Tanks on the Shared Access Driveway leading up to the water tank footprint. Middletown; view to the east.

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Picture 5: DN Tanks constructing cement form for the water tank frost wall. Shared Access Driveway, Middletown. View to the northeast.

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Picture 6: DN Tanks constructing cement form for the water tank frost wall. Shared Access Driveway, Middletown. View to the north.

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Picture 7: Ludlow backfilling trench on the north bank of Hersig Brook after the installation of 12" DIP. Pickett Lane, Durham; Station ~532+00. View to the northeast.