

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	July 21, 2020
Location:	Pickett Lane, Main Street, and the Shared Access Driveway	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	124
Contractor:	Ludlow Construction	Page:	1 of 11

Weather Conditions

Conditions: Daylight hours. Partly sunny. Winds variable 0-10 mph.
Temperature (°F): High 89°F Low 67°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

Type	#	x	hr
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	1	x	8
Plate Compactor	1	x	8
Jumping Jack Compactor	1	x	8
Street Sweeper (Broce Broom)	1	x	8
Material Hopper	1	x	8
Pipe saw	1	x	8
Light Tower	0	x	8

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow placed 12" DIP adjacent to the stream crossing on Hersig Brook at Station ~531+00 on Pickett Lane, Durham.

Ludlow installed curb stops on the east side of Main Street at Stations 174+57 and 174+75.5.

DN Tanks continued 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:

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

Res. Representative:

J. Meunier

Date: 7/21/20

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Daily Activities – Stream Crossing, Hersig Brook, Durham

Ludlow placed 12" DIP adjacent to the stream crossing on Hersig Brook at Station ~531+00 on Pickett Lane, Durham.

0715: Ludlow has mobilized to the Hersig Brook stream crossing and has begun to excavate a trench from the top of the southern stream bank, moving south. Ludlow will be installing 12" DIP in a southerly direction towards Station ~531+00 to connect to the previously installed 12" DIP on Pickett Lane. One Ludlow laborer is providing traffic management.

0750: Ludlow has just installed a 45° bend on the south side of Hersig Brook and is now placing a 16' section of 12" DIP.

0952: Ludlow continues to install 12" DIP south of Hersig Brook.

1052: Ludlow continues to install 12" DIP south of Hersig Brook. They have installed pipe within 25' of the end of pipe on Pickett Lane at Station ~531+00.

1149: Ludlow has connected 12" DIP coming south from Hersig Brook to the 12" DIP coming off of Pickett Lane at Station ~531+00.

1215: Ludlow is backfilling the trench where they just installed 12" DIP south of Hersig brook.

1240: Ludlow is putting the guard rail back in place on the southside of Hersig Brook.

1317: Ludlow is placing hot patch on the backfilled trench south of the Hersig Brook stream crossing.

Daily Activities – Installation of Curb Stops, Durham

Ludlow installed curb stops on the east side of Main Street at Stations 174+57 and 174+75.5.

0726: Ludlow is excavating on the northbound lane of Main Street to install a curb stop at 327 Main Street. The curb stop will be located 32.5' from the edge of pavement at Station 174+57. One state trooper and one private flagger is providing traffic managing.

0831: Ludlow continues to install a curb stop at Station 174+57.

1039: Ludlow has finish installing a curb stop at 327 Main Street and is currently backfilling the trench. Ludlow has begun to excavate a trench for the installation of a curb stop at Station 174+75.5 for 325 Main Street.

1122: Ludlow continues to work on installing a curb stop at Station 174+75.5.

1202: Ludlow continues to work on the installation of a curb stop at Station 174+75.5.

1249: Ludlow continues to install a curb stop at 325 Main Street. The curb stop is 37' from the edge of pavement.

1305: Ludlow begins to backfill the trench at Station 174+75.5

1402 Ludlow is placing hot patch on the trenches at Stations 174+57 and 174+75.5

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

DN Tanks continued to construct the frost wall for the water tank.

0737: DN Tanks continue to build a concrete form for the water tank frost wall.

0854: DN Tanks continues to build the cement form at the water tank footprint at the east end of the Shared Access Driveway. Kurt Mintell of the USACE checks the mill certs for the rebar that has been brought on site and confirms that it matches what is called for in the specs.

1231: DN Tanks continues to build a cement form for the pouring of lean concrete for the frost wall of the water tank.

1349: DN Tanks continues to build a cement form at the water tank pad.

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Picture 1: Ludlow peeling back asphalt before excavating trench south of Hersig Brook to install 12" DIP. Pickett Lane, Durham; Station ~531+00.

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Picture 2: Ludlow beginning to excavate at Station 174+57 in order to install a curb stop for 327 Main Street, Durham. View to the west.

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Picture 3: Ludlow beginning to excavate at Station 174+75.5 on the right; backfilling the trench at Station 174+57 on the left. 327 Main Street on the left and 325 Main Street, Durham on the right. View to the east.

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Picture 4: Ludlow replacing guard rail on the south side of the Hersig Brook stream crossing. Pickett Lane, Durham. View to the north.

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Picture 5: Ludlow replacing guard rail on the south side of the Hersig Brook stream crossing. The south bank of the brook has been backfilled with 6"+ rock. Pickett Lane, Durham. View to the south.

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Picture 6: Ludlow cleaning the work area at Station ~531+00 with a Bocce Broom. Pickett Lane, Durham. View to the northwest.

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Picture 7: Ludlow placing hot patch over the trench where 12" DIP was placed today to the south of the Hersig Brook stream crossing. Pickett Lane, Durham. View to the southeast.

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Picture 8: Concrete form being constructed by DN Tanks at the water tank footprint. Shared Access Driveway, Middletown. View to the east.