

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	July 14, 2020
<b>Location:</b>	Pickett Lane and Main Street, Durham	<b>Day of Week:</b>	Tuesday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	119
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 14

### Weather Conditions

**Conditions:** Daylight hours. Partly sunny. Winds variable 0-9 mph.  
**Temperature (°F):** High 85°F Low 63°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	0	X	8

**Visitors:** None.

### Pipe Connections, Installations, and Other Work

Ludlow continued work on the stream crossing on Pickett Lane at Station ~511+00.

Ludlow installed curb stops today on the east side of Main Street at Stations 162+20 and 162+73.

### 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:** 7/14/20

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### Daily Activities – Stream Crossing, Hersig Brook, Durham

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

0715: Ludlow is working at Station ~532+00, setting up to begin work for the stream crossing at Hersig Brook. Ludlow is currently mobilizing large and small sandbags to place upstream and downstream of the work zone.

0838: Ludlow has placed a 40" corrugated plastic flow bypass culvert on the south side of the stream at Station ~532+00. Ludlow is currently placing a line of large sandbags on the upstream portion of the work zone in order to divert water into the bypass culvert. Work activities have created a small amount of turbidity in Hersig Brook.

0955: Ludlow continues to work on placing sandbags upstream and downstream of the stream crossing work zone at Station ~532+00.

1104: Ludlow has begun to excavate across the stream bed at Station 532+00. No turbidity is currently being observed downstream of the work area. Ludlow has a frac tank located adjacent to the work zone and set up to receive water, but they are currently not pumping water into it yet. Ludlow has made two filter beds (one with a filter bag; one using filter fabric). Relatively clear water is currently being pumped into the filter bed without the silt bag.

1217: A significant amount of turbidity is currently observed entering Hersig Brook downstream of work area. The turbidity is coming from water filtering through the filter bag/filter bed closest to the stream. Water is not currently being pumped into this bed; Ludlow is currently pumping water into the frac tank.

1315: Ludlow is excavating soil from stream bed at Hersig Brook stream crossing. Ludlow has two pumps moving water out of the trench and into the frac tank. Turbidity downstream of work zone is currently minimal.

1347: Ludlow is placing 36" conduit in a place at the Hersig Brook stream crossing.

### Daily Activities – Installation of Curb Stops, Durham

Ludlow installed curb stops today on the east side of Main Street at Stations 162+20 and 162+73.

0729: Ludlow is excavating on the southbound lane of Main Street at Station 162+20 to install a curb stop for the empty lot located immediately north of the Fas Mart gas station located at Station 162+73/384 Main Street. The curb stop will be set back 45' from the edge of pavement. Two private flaggers are providing traffic detail.

0807: Ludlow continues to install a curb stop at Station 162+20.

0820: Ludlow breaks a clay drainage pipe that runs tight to the west side of the south lane of Main Street. Ludlow will repair the broken pipe with 6" PVC pipe and two Fernco couplings.

0920: Ludlow begins to excavate at Station 162+73 in order to install a curb stop at 384 Main Street (the Fas Mart gas station). The curb stop will be located 45' from edge of pavement.

1021: Ludlow continues to install curb stop at Station 162+73.

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1042: Ludlow has the trench for the installation of a curb stop at Station 162+73 complete. Ludlow is currently saw cutting pavement on the southbound lane of Main Street for this curb stop installation.

1135: Ludlow continues to work on the installation of a curb stop at Station 162+73. There's a small amount of water in the bottom of the trench. Ludlow is currently not pumping the water out of the trench.

1238: Ludlow has 1" copper service line installed for the curb stop at Station 162+73. Ludlow is currently backfilling the trench and using the Bocce broom to clean up the work area.

1258: Ludlow is compacting soil in trench at Station 162+73 with a plate compactor.

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

DN Tanks continues to mobilize equipment and materials to the water tank pad at the east of the Shared Access Driveway.

0739: Scott Scorpa from DN Tanks is up at the water tank pad. Scott stated that some materials including rebar would be delivered to the site today.

1331: DN Tanks has mobilized a few more material items to the tank pad.

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**Picture 1: Ludlow placing large and small sandbags upstream of the Hersig Brook stream crossing work zone to direct stream flow into the 40" plastic corrugated flow bypass pipe placed on the south shore of the brook. View is to the west. Pickett Lane, Durham. Station ~532+00.**



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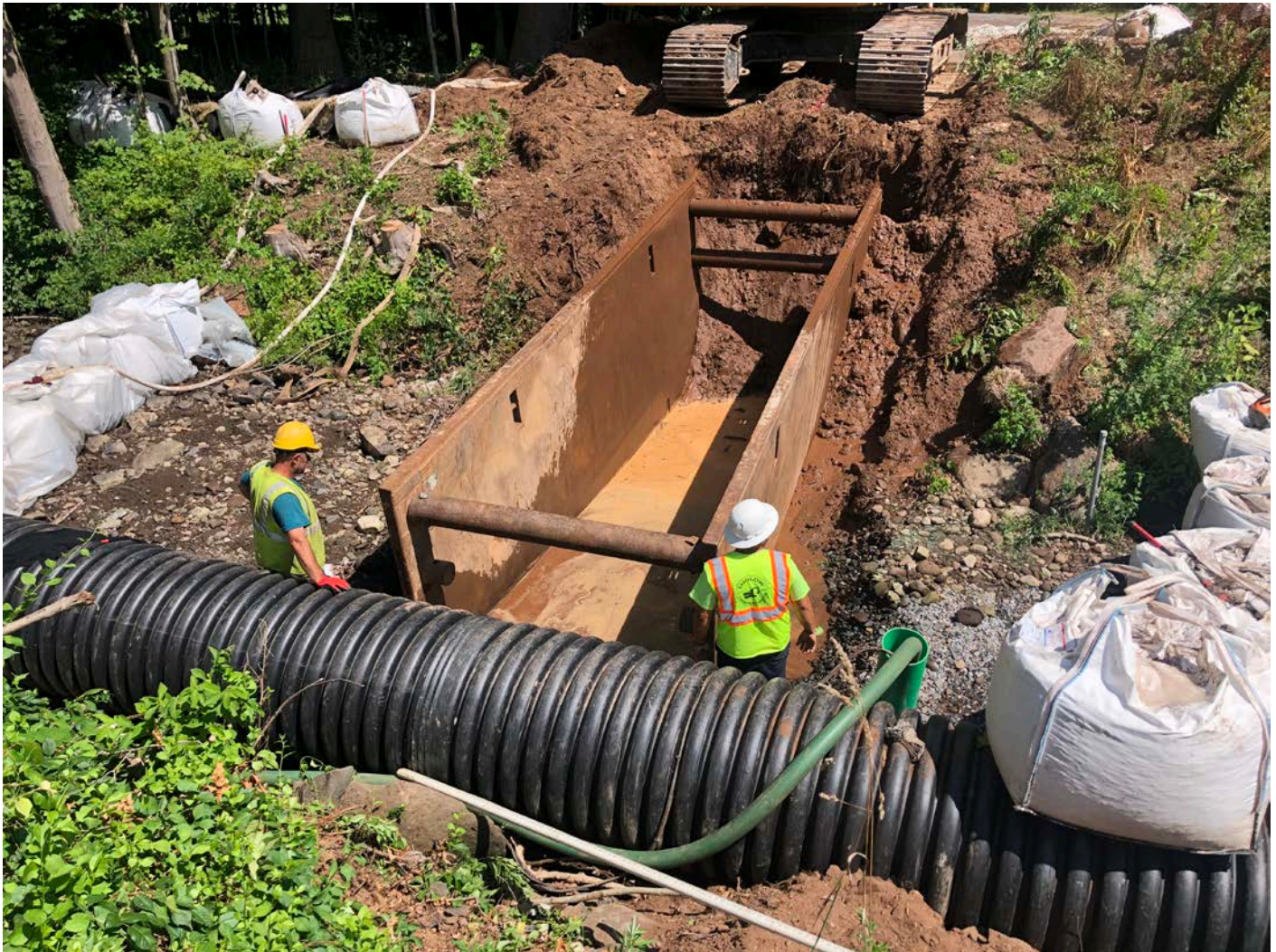


**Picture 2: Ludlow placing large and small sandbags downstream of the Hersig Brook stream crossing work zone. Pickett Lane, Durham. Station ~532+00. View to the northwest.**



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Picture 3: Ludlow has just placed trench box and is pumping water from the work zone into a filter bed on the north side of the stream bank. View is to the north. Pickett Lane, Durham. Station ~532+00.



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**Picture 4: One of two filter beds Ludlow constructed on the north side of Hersig Brook. View is to the west. Pickett Lane, Durham. Station ~532+00.**



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**Picture 5: Turbidity from water draining off the filter bed closest to the stream bank on Hersig Brook. View is to the northwest. Pickett Lane, Durham. Station ~532+00.**



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Picture 6: The filter bed Ludlow constructed closest to the stream bank of Hersig Brook. View is to the northwest. Pickett Lane, Durham. Station ~532+00.



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**Picture 7: The filter bed Ludlow constructed furthest from Hersig Brook. View is to the west. Pickett Lane, Durham. Station ~532+00.**



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**Picture 8: Ludlow placing 36" pipe conduit in the bed of Hersig Brook. View to the west. Pickett Lane, Durham. Station ~532+00.**

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Picture 9: Partially excavated curb stop trench at Station 162+73, 384 Main Street, Durham. View to the west.

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Picture 10: Trench at Station 162+73 excavated beneath curbing at 384 Main Street, Durham. View to the west.

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Picture 11: Water observed in trench at Station 162+73, 384 Main Street, Durham. View to the west.

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