

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	July 16, 2020
Location:	Pickett Lane, Main Street, and the Shared Access Driveway	Day of Week:	Thursday
Project #:	AECOM: 6061487	Report No:	121
Contractor:	Ludlow Construction	Page:	1 of 11

Weather Conditions

Conditions: Daylight hours. Partly sunny. Winds variable 0-10 mph.
Temperature (°F): High 78°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	3	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 curb stops today on the east side of Main Street at Stations 164+48 and 169+70.

DN Tanks continued to mobilize materials and equipment to the water tank footprint at the eastern end of the Shared Access Driveway.

Ludlow flushed the Main Street water line from Marina Place to Old Cemetery Brook in Durham.

Compaction Testing

Soil compaction testing was 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: 7/16/20

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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 continues to work at the stream crossing at Station ~532+00 at Hersig Brook, Pickett Lane, Durham.

0742: Ludlow has resumed welding the two pieces of 36" conduit that was placed at the Hersig Brook stream crossing.

0817: Ludlow continues to weld the two pieces of 36" conduit that was placed at the Hersig Brook stream crossing.

0900: Ludlow continues to weld the two pieces of 36" conduit that was placed at the Hersig Brook stream crossing.

0936: Ludlow has pulled the trench box out of the work zone at the Hersig Brook stream crossing and are currently backfilling over the 36" conduit.

1059: Ludlow is placing a trench box on south bank of Hersig Brook at Station ~532+00.

1152: Ludlow has placed a trench box on the north bank of Hersig Brook at Station ~532+00.

1256: Ludlow is excavating soil within the box trench on north bank of Hersig Brook

1352: Ludlow has placed a rubber collar around the south end of the 36" conduit at Station ~532+00. Ludlow is currently working on the north bank of the brook. They are sliding 12" DIP (with spacer fins attached to it) into the 36" conduit.

Daily Activities – Purging of water line, Main Street, Durham

Ludlow purged the Main Street water line from Marina Place to Old Cemetery Brook in Durham.

1012: Ludlow is flushing and sampling water at the Main Street water line.

1212: Ludlow continues to flush the waterline between Marina Place and Old Cemetery Road.

1325: Ludlow continues to flush the waterline between Marina Place and Old Cemetery Road.

Daily Activities – Installation of Curb Stops, Durham

Ludlow installed curb stops today on the east side of Main Street at Stations 164+48 and 169+70.

0719: Ludlow is excavating at the intersection of Route 147 and Main Street for the installation of a curb stop at Station 164+48. One private flagger in one State Trooper are providing traffic management.

0735: Ludlow continues to excavate at the intersection of Main Street and Route 147 on the northbound lane of Main Street.

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0917: Ludlow has finished the installation of a curb stop at Station 164+48. Ludlow has completed backfilling the trench and is currently compacting the backfilled materials. The curb stop is located 16' from the edge of pavement.

1052: Ludlow is excavating at Station 169+70 for the installation of a curb stop at the 360 Main Street plaza. The curb stop is setback 51' from the edge of pavement.

1142: Ludlow is hammering rock at Station 169+70.

1223: Ludlow is hammering rock at Station 169+70.

1319: Ludlow continues to work on installing a curb stop at Station 169+70.

1346 Ludlow has finished the installation of a curb stop at Station 169+70. JTC is present to collect soil compaction data.

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

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

0724: DN Tanks is working at the water tank pad cutting lumber to start constructing the cement forms for the tank pad footing.

0845: DN Tanks is currently constructing sawhorses at the tank pad.

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Picture 1: Ludlow begins to excavate across the northbound lane of Main Street to install a curb stop at Station 164+48. View to the south.

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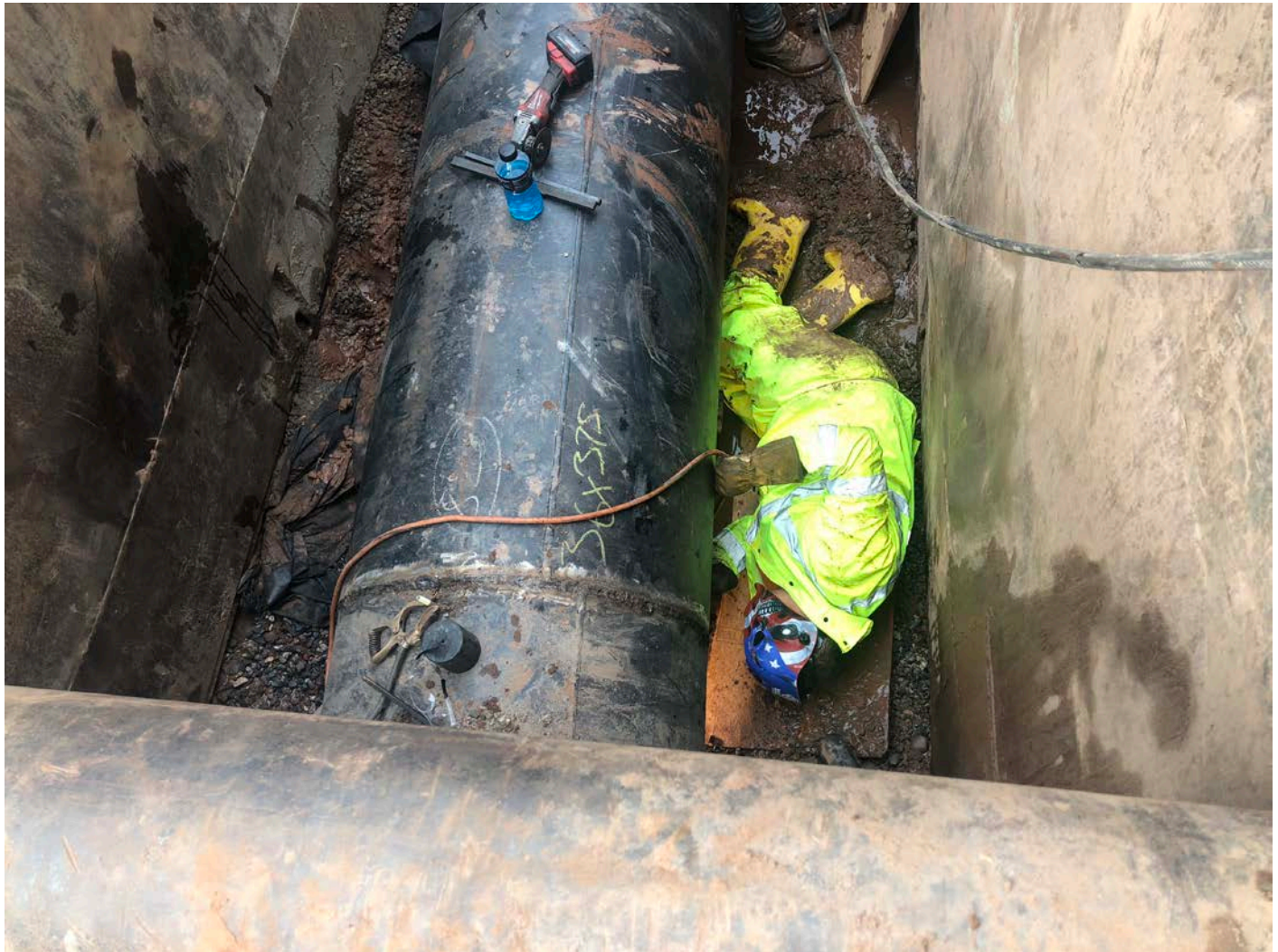
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Picture 2: Ludlow saw cutting pavement at 360 Main Street for the installation of a curb stop at Station 169+70. View to the northwest.

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Picture 3: Ludlow welding two pieces of 36" sleeve together at the work zone of the Hersig Brook stream crossing. Station ~532+00, Pickett Lane, Durham.

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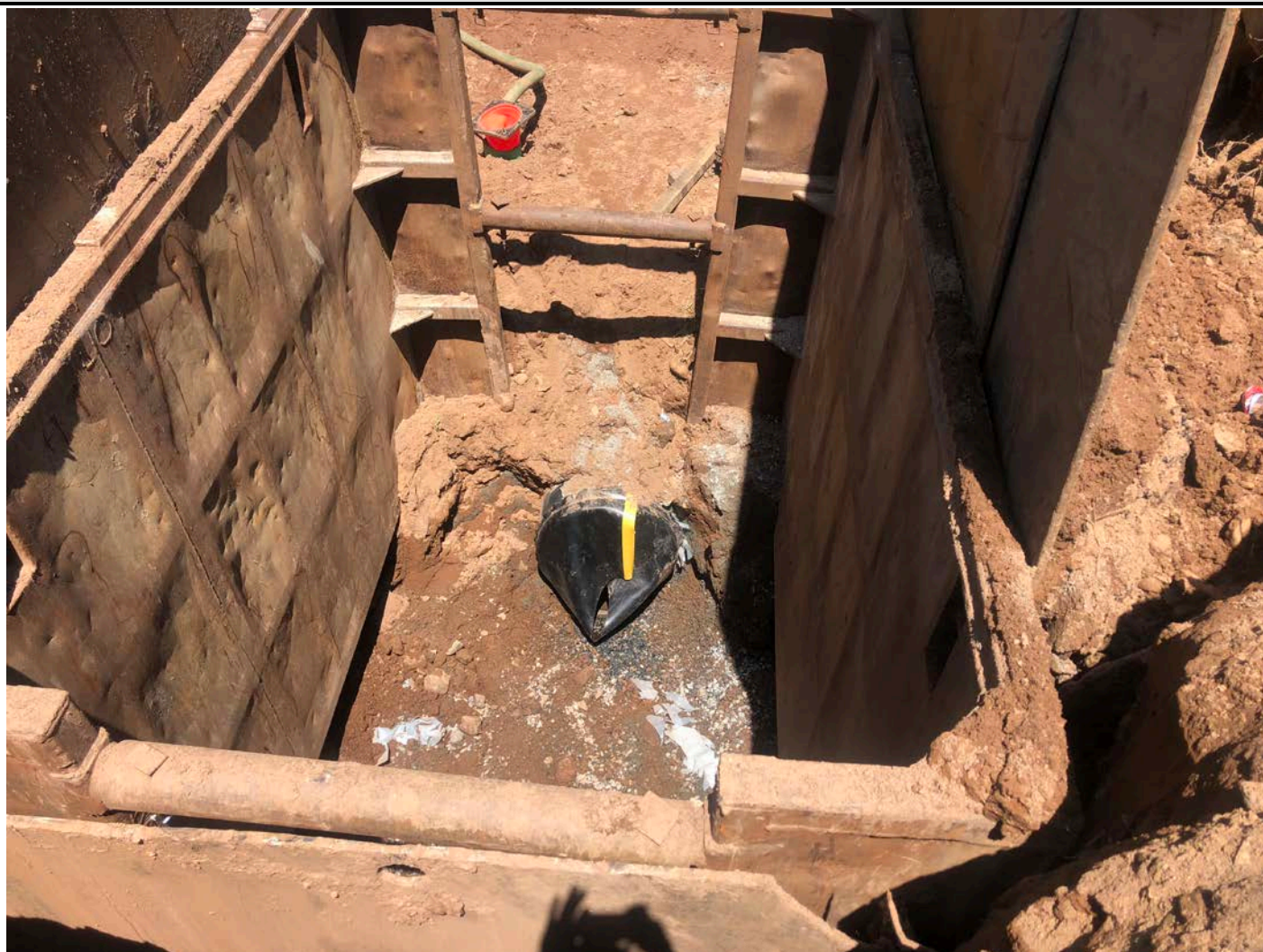


Picture 4: Work zone at the Hersig Brook stream crossing. Ludlow has backfilled over the 36" conduit that the 12" DIP will be placed inside of. Station ~532+00, Pickett Lane, Durham. View is to the south.

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Picture 5: Rubber collar that Ludlow placed around 36" steel casing pipe. This will later be sealed around 12" DIP when Ludlow fills the interstitial space between the 36" casing pipe and the 12" DIP with sand. Station ~532+00, Pickett Lane, Durham. View to the north.

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Picture 6: Casing spacers attached to the 12" DIP that Ludlow will slide into the 36" conduit at the Hersig Brook stream crossing. Station ~532+00, Pickett Lane, Durham.

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Picture 7: Ludlow sliding 12" DIP into the 36" conduit at the Hersig Brook stream crossing. Station ~532+00, Pickett Lane, Durham. View to the south.

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Picture 8: Ludlow collecting and testing a water sample collected from a hydrant during water line flushing activities on Main Street, Durham.