

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	July 8, 2020
Location:	Pickett Lane and Main Street, Durham	Day of Week:	Wednesday
Project #:	AECOM: 6061487	Report No:	115
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions

Conditions: Daylight hours. Partly sunny. Winds variable 0-5 mph.

Temperature (°F): High 81°F Low 70°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	2	x	8		Superintendent	0	x	8	Dump truck	5	x	8
					Safety Officer	1	x	8	Excavator – Large	3	x	8
					Foreman	2	x	8	Excavator - Mid-Size	1	x	8
					Dump truck Operator	4	x	8	Excavator - Rubber Wheeled – Rock	0	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	0	X	8	Pipe saw	1	x	8
					Municipal Police Detail	0	X	8	Light Tower	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 Pickett Lane at Station ~511+00.

Ludlow installed 3 curb stops on Main Street in Durham at Stations 174+06, 173+19, and 172+77.

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: 7/08/20

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Daily Activities – Stream Crossing, Pickett Lane, Durham

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

0707: Ludlow is staging at Station 511+00 to resume work on the stream crossing on Pickett Lane.

0740: Traffic management is being provided by two Ludlow personnel. A minor amount of silt is entering Allyn Brook from the filter bed staged on the east side of the brook. Ludlow is excavating on each bank of Allyn Brook in order to install 12" DIP.

0756: Ludlow has a 20' section of 12" DIP installed on the east side of Allyn Brook that is being connected to the 12" DIP installed yesterday within the 36" conduit.

0842: Ludlow has a ~10' section of 12" DIP installed on the west side of Allyn Brook. Ludlow is currently placing an end seal of thick rubberized material over the junction between the 12" DIP and the 36" conduit to contain the sand they will blow into the interstitial space between the 12" DIP and the 36" conduit from the east side of Allyn Brook. A similar end seal has been placed between the conduit and the DIP on the east side of the brook. Ludlow is preparing to weld several pieces of 2" steel pipe together: this pipe will be used to blow sand into the interstitial space between the 12" DIP and the 36" conduit with an air compressor.

0908: Ludlow has installed a 45° bend of 12" DIP on the east end of the 20' section they installed this morning on the east side of Allyn Brook.

0915: Ludlow is blowing sand into the interstitial space between the 12" DIP and the 36" conduit with a hopper and an air compressor.

1028: Ludlow continues to fill the interstitial space between the 12" DIP and the 36" conduit.

1047: Ludlow continues to fill the interstitial space between the 12" DIP and the 36" conduit.

1122: Ludlow continues to fill the interstitial space between the 12" DIP and the 36" conduit.

1234: Ludlow continues to fill the interstitial space between conduit and 12" DIP. Ludlow has installed a 45° bend (pointing up) on the west side of the 12" DIP that was placed on the west side of Allyn Brook. In addition, Ludlow added ~7' of 12" DIP to the elbow.

1243: Ludlow is backfilling over the 10' section of 12" DIP that was installed on west side of Allyn Brook.

1349: Ludlow is still filling the interstitial space between the 12" DIP and the 36" conduit. They have the trench on the western shore of Allyn Brook backfilled. Ludlow has placed 6" riprap along the western shore of Allyn Brook after work area.

Daily Activities – Curb Stop Installations, Main Street, Durham

Ludlow installed 3 curb stops on Main Street in Durham at Stations 174+06, 173+19, and 172+77.

0720: Ludlow is trenching across the southbound lane of Main Street in Durham to place a curb stop at Station 174+06.

0805: Ludlow is hammering rock at Station 174+06.

0833: Ludlow continues to install a curb stop at Station 174+06.

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0930: Ludlow is finished with excavation on the southbound lane for the curb stop at Station 174+06. Traffic management is being provided by two State Troopers. This curb stop appears to service 327 Main St. (Valentino's Home Designs or Wild Wisteria (331 Main Street)).

0933: Ludlow is installing a curb stop for Durham Auto Parts at Station 173+19. The curb stop will be set back 34' from edge of pavement.

1015: AECOM, Ludlow, and the USACE go over the changes presented in Revision 1 of Sheet C-17.

1135: Ludlow has backfilled the trench at Station 173+19. They are currently covering the trench with a steel plate until they can close it with hot patch.

1141: Ludlow begins to excavate on the northbound lane of Main Street at Station 172+77 for the installation of another curb stop.

1159: The setback for curb stop at Station 172+77 will be 42'.

1229: Ludlow continues with the installation of a curb stop at Station 172+77.

1318: Ludlow has a curb stop installed at Station 172+77 and is currently backfilling the trench.

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Picture 1: Condition of Allyn Brook prior to earth work being performed at the stream crossing at Station ~511+00 today. Pickett Lane, Durham. View to the north.

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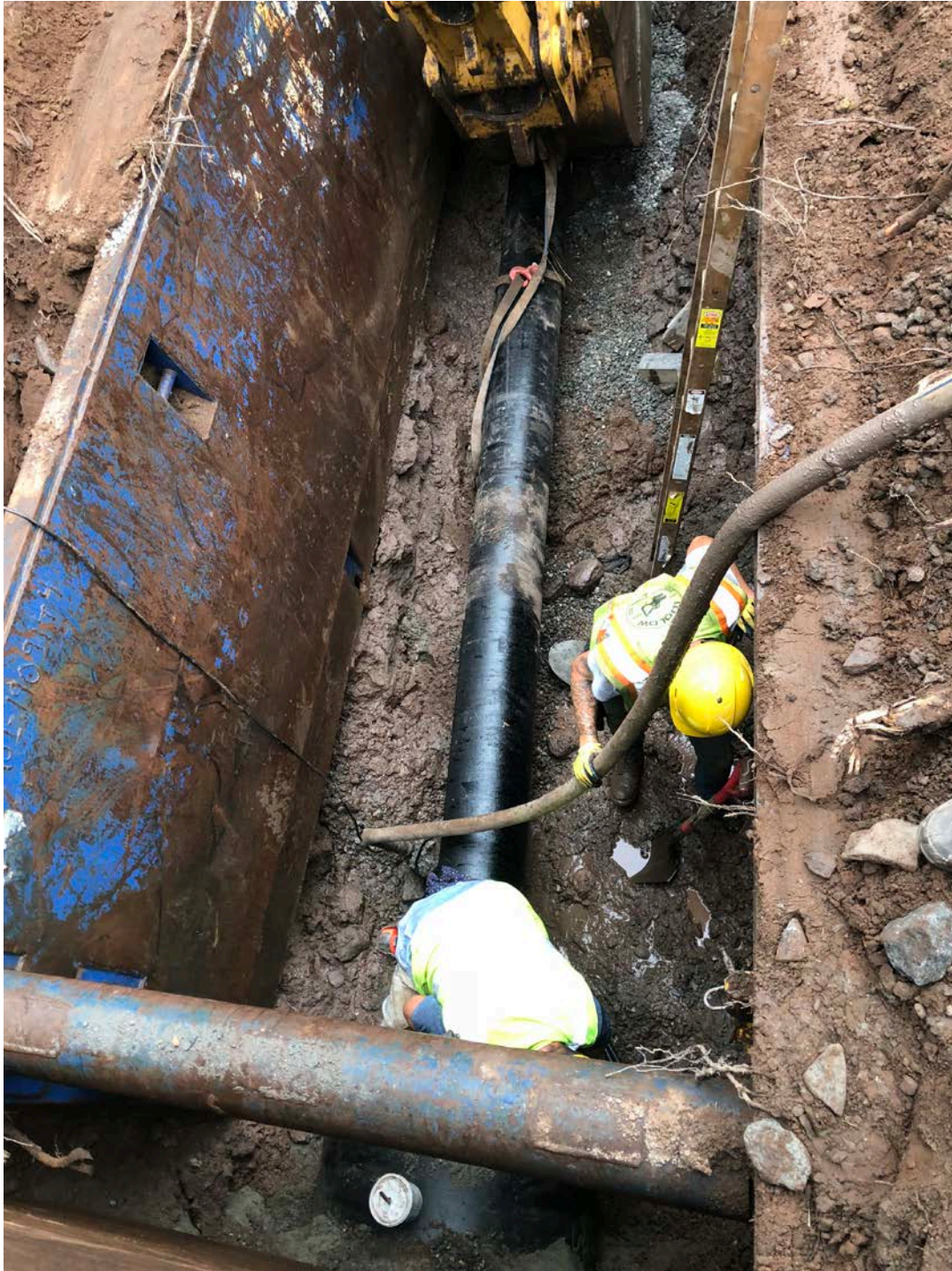
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Picture 2: Overview of work zone at Station ~511+00, tank from the west bank of Allyn Brook looking east. Pickett Lane, Durham.

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Picture 3: Ludlow attaching 12" DIP to the 12" DIP that was placed inside of 36" conduit yesterday. Station ~511+00, Pickett Lane, Durham.

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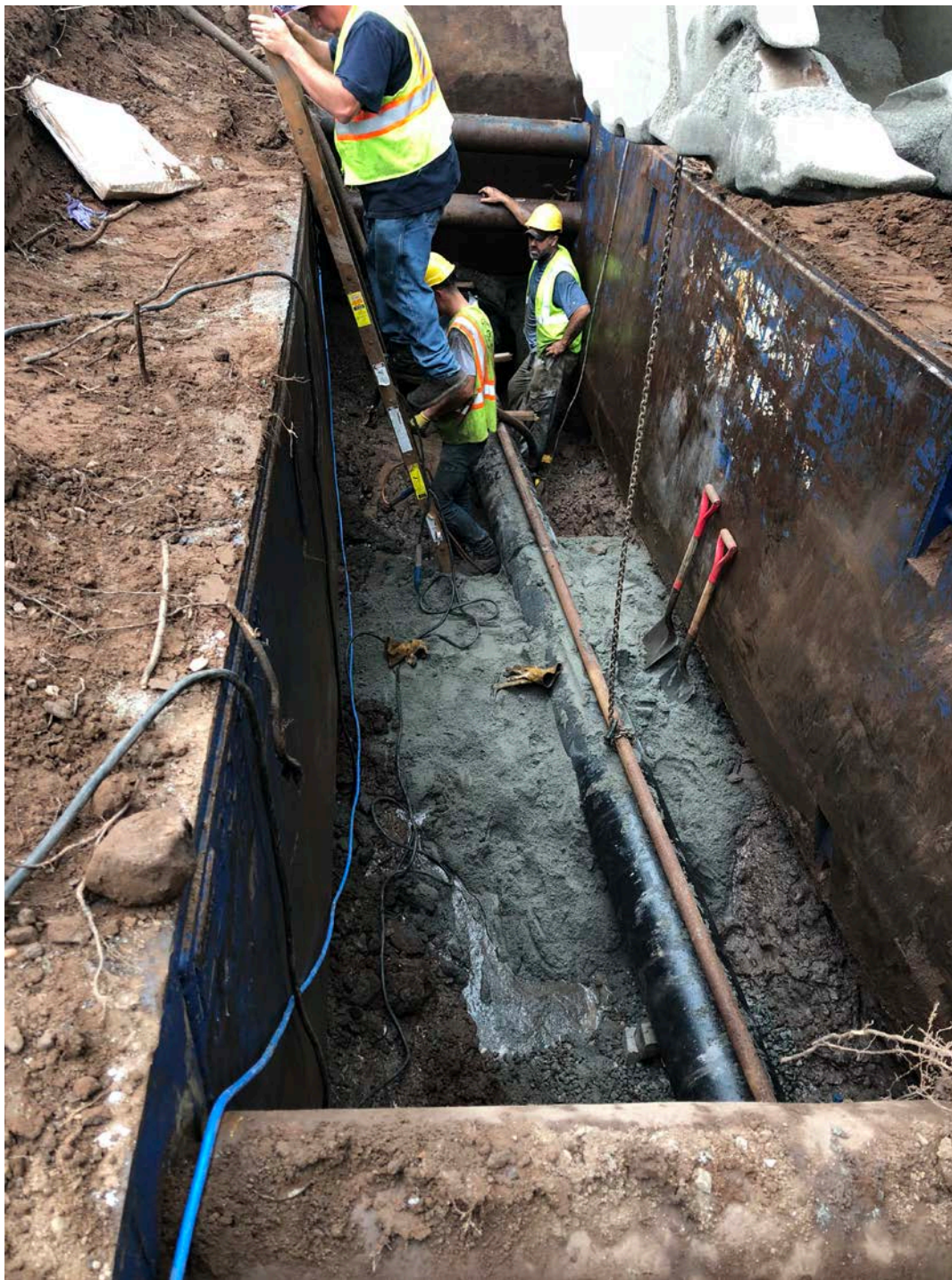


Picture 4: Ludlow placing an end seal of thick rubberized material over the junction between the 12" DIP and the 36" conduit to contain the sand they will blow into the interstitial space between the 12" DIP and the 36" conduit from the east side of Allyn Brook. Station ~511+00, Pickett Lane, Durham.

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Picture 5: Ludlow installing 2" steel pipe that will be used to blow sand into the interstitial space between the 12" DIP and the 36" conduit from the east side of Allyn Brook. Station ~511+00, Pickett Lane, Durham. View to the west.

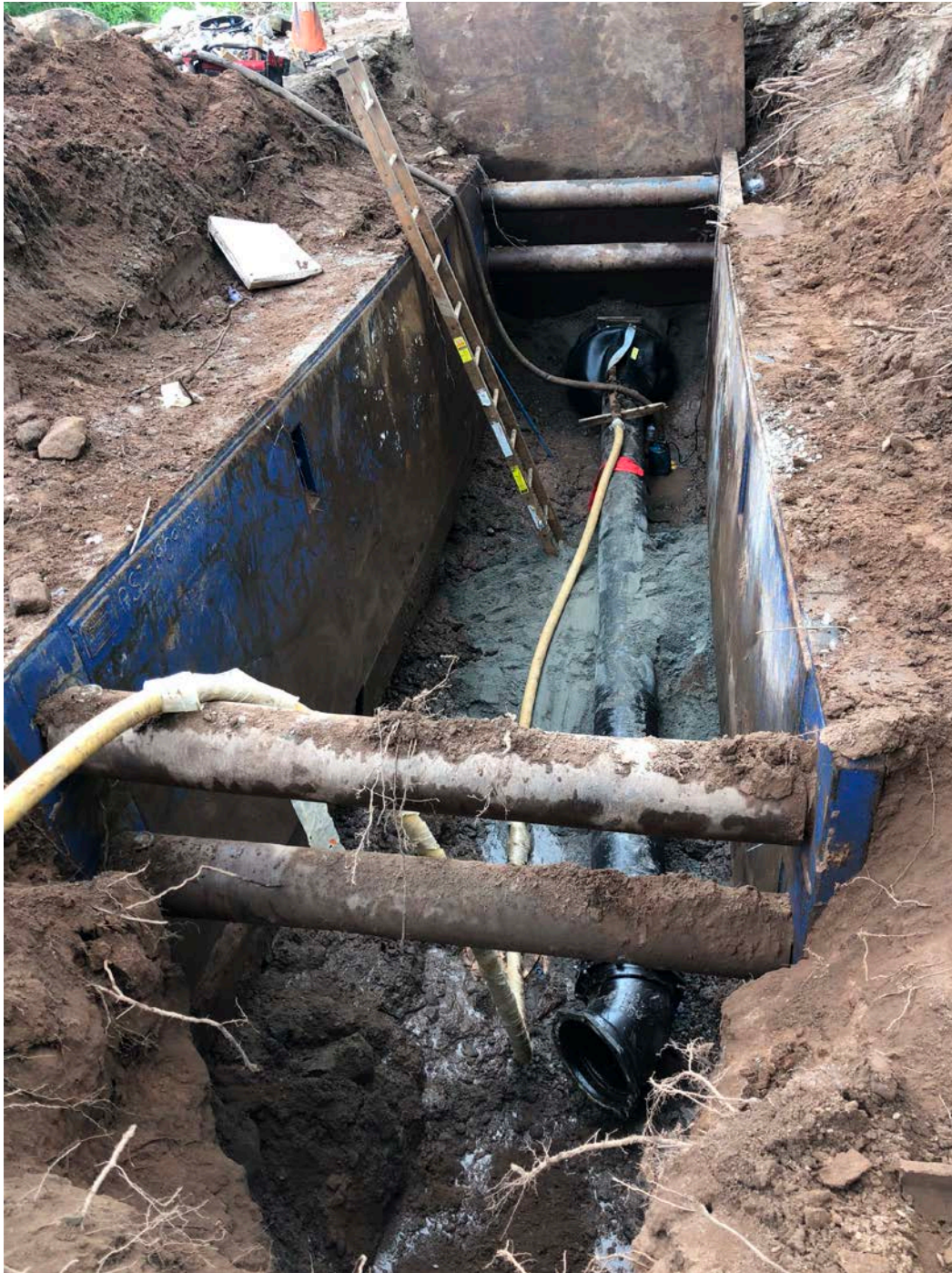
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Picture 6: Ludlow blowing sand into the interstitial space between the 12" DIP and the 36" conduit from the east side of Allyn Brook. Station ~511+00, Pickett Lane, Durham. View to the west.

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Picture 7: Ludlow beginning to excavate on the northbound lane of Main Street at Station 172+77 for the installation of a curb stop. View to the south.

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Picture 8: Ludlow saw cutting sidewalk to allow for the installation of a curb stop at Station 172+77. Main Street, Durham. View to the northwest.

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Picture 9: Minor turbidity observed downstream of ongoing stream crossing activities. Station ~511+00, Pickett Lane, Durham. View to the north.

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Picture 10: West bank of Allyn Brook after trench on the west slope was backfilled and riprap was placed along the shoreline. Station ~511+00, Pickett Lane, Durham. View to the west.