

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	May 27, 2020
<b>Location:</b>	Pickett Lane, Durham; Main Street, Durham; and Shared Access Road, Middletown;	<b>Day of Week:</b>	Wednesday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	85
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 12

### Weather Conditions

**Conditions:** Daylight hours. Sunny. Winds variable 0-11 mph.

**Temperature (°F):** High 79°F Low 61°F

Contractors & Subcontractors Workforce					Equipment in Use								
Trade	#	x	hrs		Trade	#	x	hrs		Type	#	x	hrs
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	0	x	8
					Sub-contractor	1	x	8		Pipe saw	1	x	8
					Middletown Police Detail	1	x	8		Light Tower	0	x	8
					State Police Detail	2	x	8					

**Visitors:** None.

## Pipe Connections and Installations

Ludlow placed 16" DIP from Stations 201+40 to 203+80 today, including a corporation stops at Stations 202+45 and 202+78.

Ludlow continued with the placement of 12" DIP today on Pickett Lane between Stations 530+45 and 530+76, including a 12"x12"x4" M.J. TEE with 4" M.J. R.S. gate valve and gate box at Station 530+52; a 12"x12"x8" M.J. TEE with 8" M.J. R.S. gate valve and gate box at Station 530+60; a 45° M.J. bend at Station 530+66, and 12" M.J. R.S. gate valve and gate box at Station 530+71.

Ludlow placed service connections on South Main Street, Middletown, at Stations 104+40 and 109+25.

## Compaction Testing

Compaction testing was performed today on soils at Main Street and Pickett Lane. Compaction test data 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:** 5/27/20

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### Daily Activities – Shared Access Driveway, Middletown

No work was performed today on the Shared Access Driveway. AECOM performed an inspection of the erosion control measures and noted several areas where soil was encroaching on the silt fence along on Shared Access Driveway. AECOM spoke with USACE staff, who indicated that Ludlow would be notified regarding this issue.

### Daily Activities – South Main Street, Middletown

Ludlow made two service connections today at Stations 104+40 and 109+25.

0815: Ludlow is excavating on the northbound lane of South Main Street (Middletown) at Station 104+40, placing a 1" copper service line. AECOM identifies a catch basin approximately 75 feet downgradient (to the north) of the work area that doesn't have a silt bag in place. AECOM informed USACE personnel who informed Ludlow to address the issue.

1020: Ludlow continues to work on placing a 1" service line at Station 104+40, South Main Street, Middletown. Ludlow has a valve and a valve stem installed on the east side (customer side) of the 1" copper service line. Ludlow still has to trench across the southbound lane of South Main Street to connect the 1" copper line to the main water line. The northbound lane is backfilled and covered with steel plate.

1245: Ludlow has finished with adding a service connection at Station 104+40. Ludlow is currently working at Station 109+25, placing another service connection. Enough water was encountered at the bottom of the trench to require pumping. Ludlow is currently preparing to tap the main water line to add a corporation stop.

### Daily Activities – Maiden Lane, Durham

Ludlow placed a 12"x12"x12" M.J. C.L.D.I. TEE with three 12" M.J. valves and valve boxes at Station 426+03.

1230: Ludlow is excavating at the intersection of Maiden Lane and Pickett Lane to place a three-way valve on the north side of Maiden Lane.

1315: Ludlow has placed the three-way valve at the intersection of Maiden Land Pickett Lane and are currently backfilling the excavation. Some water was noted at the bottom of the trench; not enough to warrant pumping.

### Daily Activities – Pickett Lane

Ludlow continued with the placement of 12" DIP today on Pickett Lane between Stations 530+45 and 530+76.

0730: Ludlow picks up where they left off yesterday at Station 530+45 on Pickett Lane. They are continuing to daylight the communications utilities and the underlying pipes beneath them.

0850: Ludlow has just installed a 12"x12"x4" M.J. TEE with 4" M.J. R.S. gate valve and gate box at Station 530+52 and a 12"x12"x8" M.J. TEE with 8" M.J. R.S. gate valve and gate box at Station 530+60, straddling the utilities located at Station 530+56.

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0945: Ludlow is preparing to place a 45° bend at Station 530+66 on Pickett Lane.

1012: Ludlow has installed a 45° M.J. bend at Station 530+66. Ludlow is currently installing valve stem to valve box at Station 530+60.

1054: Ludlow has installed a 12" M.J. R.S. gate valve and gate box at Station 530+71.

1150: Ludlow placed about 4.8' of 12" DIP after the valve at Station 530+71. This is all they will install at this location today, making Station 530+76 the end of pipe for this location.

1322: Ludlow closing up the trench on Pickett Lane at Station 530+76.

### Daily Activities – Main Street, Durham

Ludlow continued placing 16" DIP today on the southbound lane of Main Street from Stations 201+40 to 203+80. Traffic detail was provided by CT State Police.

0747: Ludlow resuming the placement of 16" DIP where they stopped yesterday at Station 201+40. Only one State Trooper is present to provide traffic management (he is positioned on the north end of the work zone currently). Ludlow is providing traffic management at the southern end of the work zone.

0935: A second state police trooper has shown up at the Main Street work zone to assist with traffic management. JTC is on site to collect soil compaction data. Corporation stops have been placed at Stations 202+45 and 202+78.

1048: Ludlow has 16" DIP placed to ~Station 202+80.

1142: Ludlow has 16" DIP placed to ~Station 203+40.

1217: Ludlow has just placed a 20' section of 16" DIP up to Station 203+80.

1330: JTC collecting soil compaction data at Station 203+00. Ludlow is placing and compacting fill as they prepare to close up the trench for the day. End of 16" DIP placed today is at Station 203+80.

### **Payment Items:**

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Picture 1: Soil encroaching on the silt fence along on north side of the Shared Access Road. ~Station 22+00. View to the northwest. Middletown, CT.

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Picture 2: Soil encroaching on the silt fence along on south side of the Shared Access Road. ~Station 21+25. View to the west. Middletown, CT.

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Picture 3: Ludlow daylighting gas line (foreground) and storm drain (background) at Station 104+40. View to the east, South Main Street, Middletown, CT.

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Picture 4: 12" DIP placed beneath utilities located at Station 530+56, Pickett Lane, Durham, CT.

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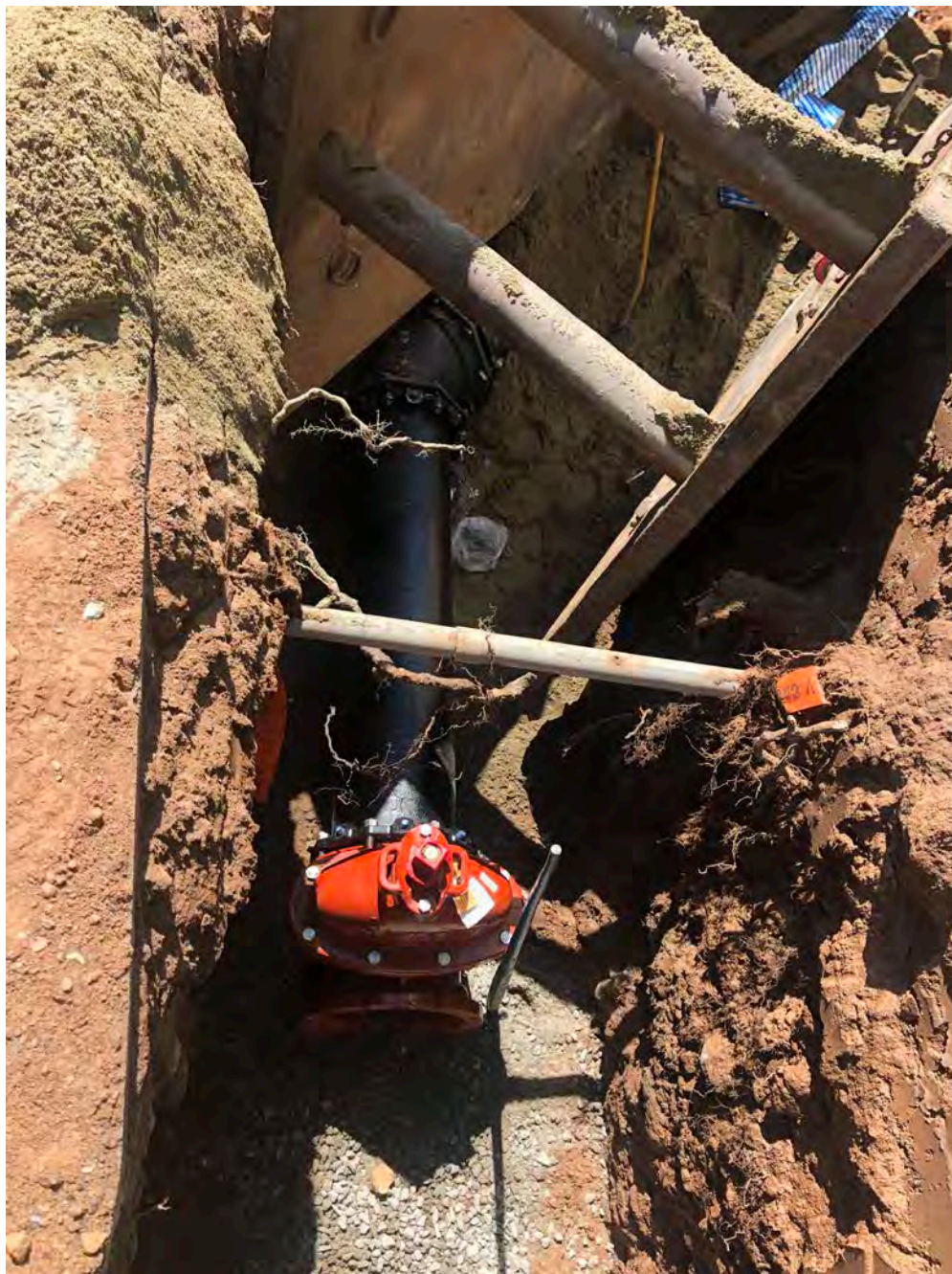
Picture 5: Copper 1" water service connection with curb stop and curb stop stem. Station 104+40. View to the east. Main Street, Middletown, CT.

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Picture 6: 12" M.J. R.S. gate valve and gate box at Station 530+71. Pickett Lane, Durham, CT.

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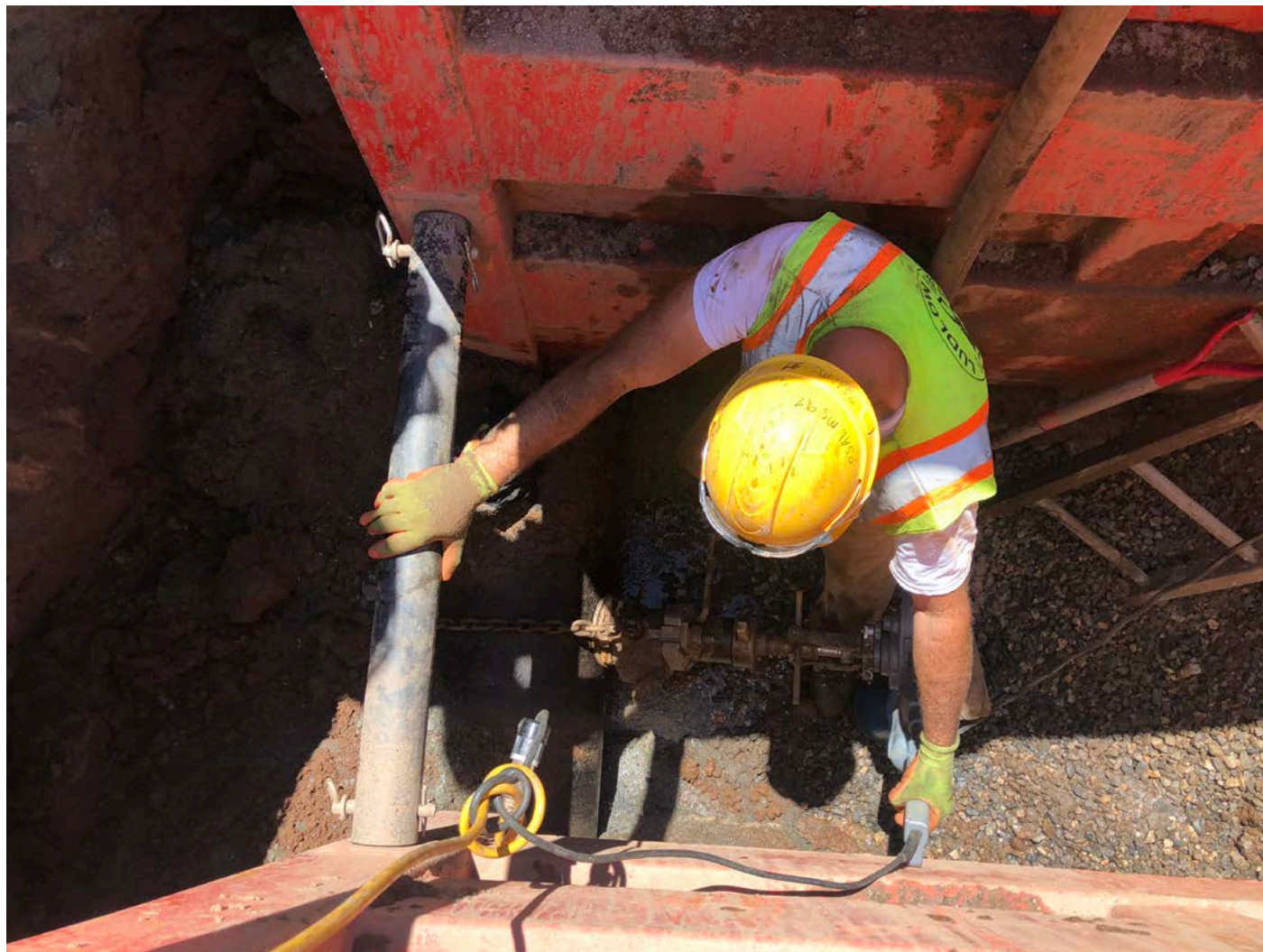


Picture 7: Ludlow excavating on Maiden Lane to place a 12"x12"x12" M.J. C.L.D.I. TEE with three 12" M.J. valves and valve boxes at Station 426+03. View to the northeast, Durham, CT.



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Picture 8: Ludlow tapping main water line to add a service connection at Station 109+25. South Main Street, Middletown, CT.



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Picture 9: Water observed in excavation at Station 426+03. Maiden Lane, Durham, CT.

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