

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	June 12, 2020
<b>Location:</b>	Pickett Lane, Durham; Main Street, Durham; and Shared Access Driveway, Middletown;	<b>Day of Week:</b>	Friday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	97
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 14

### Weather Conditions

**Conditions:** Daylight hours. Sunny. Winds variable 0-6 mph.  
**Temperature (°F):** High 73°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	1	x	8
				Municipal Police Detail	0	x	8
				State Police Detail	4	x	8

**Visitors:** None

### Pipe Connections and Installations

Ludlow resumed the installation of 12" DIP on Route 68 today, placing pipe between Stations 600+62 and 602+02.5.

Ludlow installed 4" DIP today at Station 525+75 across Pickett Lane.

Ludlow performed a pressure test on the main water line in Durham from Stations 195+26 to 175+29.

Ludlow installed curb stops at Stations 146+52, 147+37, 145+82, and 146+82 on Main Street in Durham.

Ludlow placed and graded fill to the east of the water tank footprint in Middletown.

### Additional Data

Ludlow installed hydrants at Stations 503+93 and 514+16. Distance from edge of pavement to the hydrant pumper nozzles was 47" and 24" respectively. In addition, a curb stop was installed 9' from edge of pavement at Station 514+08.

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### Compaction Testing

Soil compaction testing was performed today on Main Street and on Route 68 in Durham. 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/>

### Daily Activities – Shared Access Driveway, Middletown

Ludlow placed and graded fill to the east of the water tank footprint.

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

Ludlow installed curb stops at Stations 146+52, 147+37, 145+82, and 146+82 on Main Street in Durham.

0715: Ludlow begins excavating on the northbound lane of Main Street to install a curb stop at Station 146+52. Two State Troopers are providing traffic detail.

0850: Ludlow is backfilling a portion of the trench on the northbound lane of Main Street at Station 146+52.

0900: Ludlow is excavating a trench on northbound lane of Main Street to install a curb stop at Station 147+37. The curb stop will be placed 20' east of the edge of pavement.

1010: Ludlow has the excavation at Station 147+37 almost backfilled, but they still need to connect the 1" copper pipe to the main water line for this curb stop and the one Ludlow has partially installed at Station 146+52.

1055: Ludlow is excavating across the southbound lane on Main Street at Station 147+37 to connect a curb stop to the main water line.

1118: Ludlow has a curb stop connected to the main waterline at Station 147+37.

1131: Ludlow is about to excavate on the southbound side of Main Street to connect the curb stop at Station 146+52.

1226: Ludlow working on placing curb stop at Station 145+82

1245: Ludlow has installed a curb stop at Station 145+82 off the southbound lane of Main Street. The curb stop was placed 12.5' from edge of pavement

1315: Ludlow is in the process of installing a curb stop at Station 146+82, 13.5' from edge of pavement.

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1335: Ludlow continues to install the curb stop at Station 146+82.

1414: JTC performing soil compaction test at Station 147+37. Ludlow is compacting hot patch to close up trenches that were opened up to install curb stops on Main Street in Durham today.

### **Daily Activities – Installation of 4" DIP, Pickett Lane, Durham**

Ludlow installed 4" DIP today at Station 525+75.

0910: Ludlow began excavating on the south side of Pickett Lane at a location that turned out to be incorrect (the existing water main that was to be tied into was identified to be ~30 to the west). Ludlow solved this issue by placing a bend in the pipe in the middle of Pickett Lane and rerouting the 4" DIP to the existing water line for the tie-in.

1048: Ludlow continues to place 4" DIP at Station 525+75.

1107: Ludlow continues to place 4" DIP at Station 525+75 on Pickett Lane.

1153: Ludlow continues to place 4" DIP at Station 525+75.

1350: Ludlow continues to place 4" DIP on Pickett Lane.

### **Daily Activities – Pressure Test, Main Street, Durham**

Ludlow performed a pressure test on the main water line from Stations 195+26 to 175+29.

0815: Ludlow is setting up to perform a pressure test on the main water line between Stations 195+26 (Route 68) and 175+29 (Talcott Lane).

0828: Ludlow starts the pressure test on the main water line between Stations 195+26 and 175+29. The starting pressure is 160 psi.

1040: Ludlow has finished the pressure test: final pressure was 160 psi.

### **Daily Activities – Installation of 12" DIP, Route 68, Durham**

Ludlow placed 12" DIP on Route 68 today, placing pipe between Stations 600+62 and 602+02.5.

0708: Ludlow is setting up on Route 68 to resume the placement of 12" DIP at Station 600+62. Two State Troopers are providing traffic detail.

0739: Ludlow is excavating on Route 68 to resume the placement of 12" DIP.

0809: Ludlow is hammering rock on Route 68 at ~Station 600+70.

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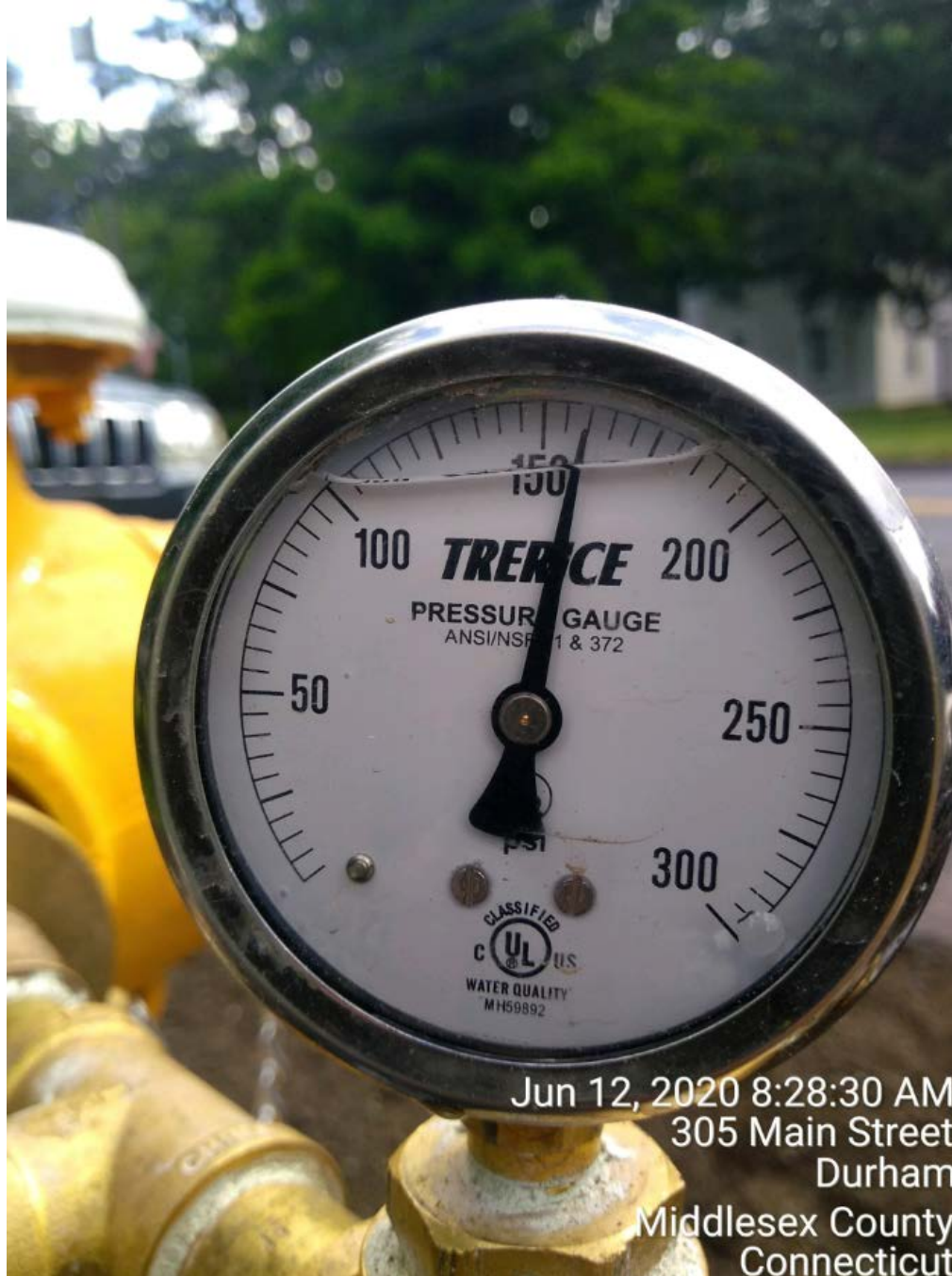
0925: Ludlow is installing a second 20' section of 12" DIP. Ludlow had to hammer rock out of the trench to place this section of DIP.

1033: Ludlow has installed a third 20' section of DIP on Route 68.

1404: Ludlow is rolling hot patch on Route 68. End of pipe installed today is at Station 602+02.5.

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Picture 1: Starting pressure of today's pressure test conducted on the main water line from Stations 195+26 to 175+29. Gauge was placed on the hydrant located at Station 179+07.

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**Picture 2: Ending pressure of today's pressure test conducted on the main water line from Stations 195+26 to 175+29. Gauge was placed on the hydrant located at Station 179+07.**

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Picture 3: Ludlow hammering rock at ~Station 600+70. Route 68, Durham. View to the southeast.

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Picture 4: Curb stop being installed at Station 146+52. View to the east. Main Street, Durham, CT.

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**Picture 5: Ludlow placing 4" DIP across Pickett Lane at Station 525+75. In the foreground is the section of lawn that was repaired after Ludlow began excavating this morning in the incorrect location. View to the northwest.**

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Picture 6: Utility conduits daylighted by Ludlow as they installed 4" DIP today at Station 525+75. Pickett Lane, Durham. View to the northwest.

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Picture 7: More utilities daylighted by Ludlow as they installed 4" DIP today at Station 525+75. Pickett Lane, Durham. View to the southeast.

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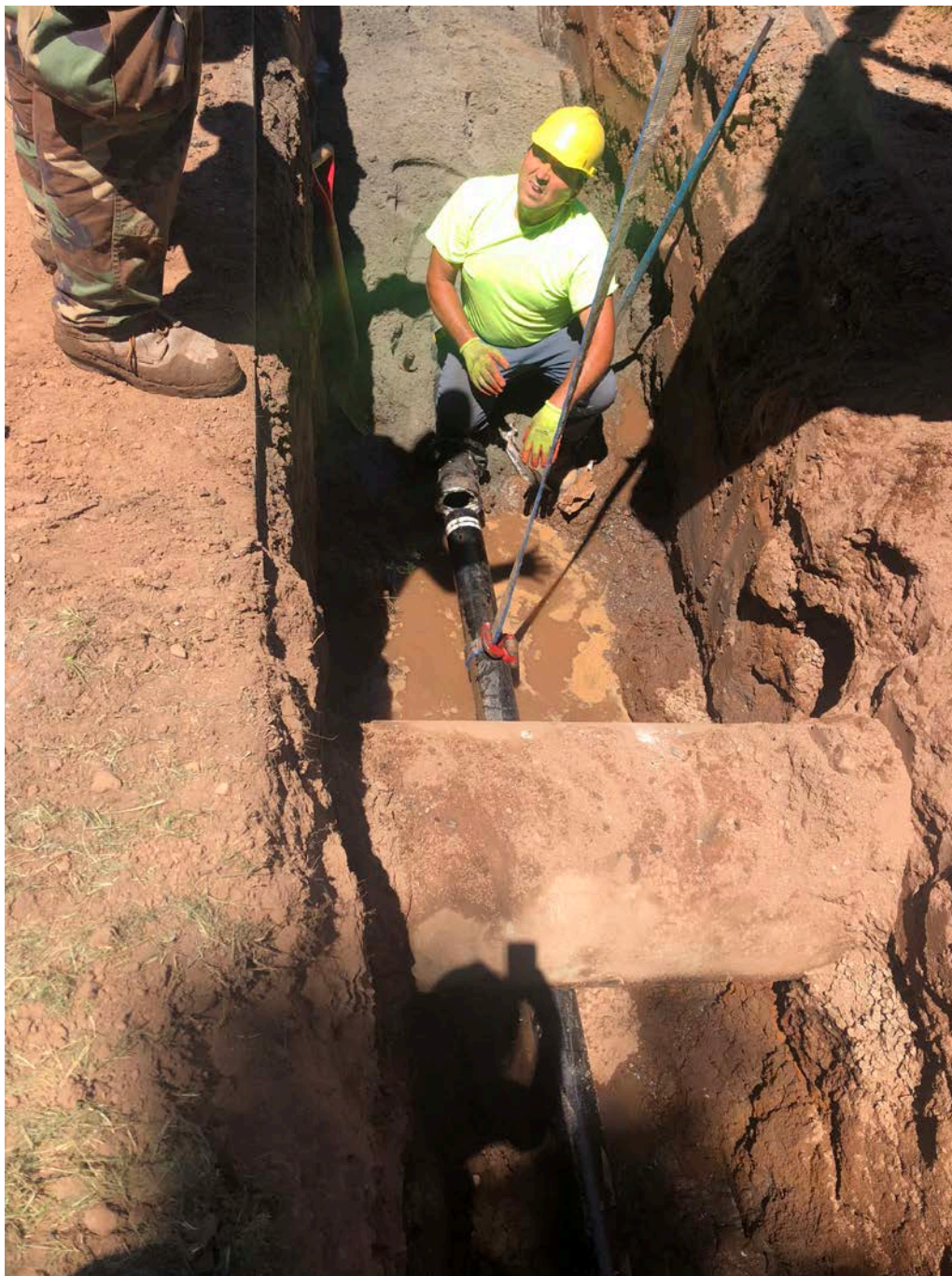


**Picture 8: Catch basin outfitted with a silt sock that Ludlow discharged water into that was pumped from the trench during the installation of 4" DIP. Pickett Lane, Durham. View to the east.**

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Picture 9: Water in trench observed as Ludlow installed 4" DIP at Station 525+75. Pickett Lane, Durham.

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Picture 10: Ludlow cleaning up work area at Station 525+75 with Bocce Broom. Pickett Lane, Durham. View to the east.

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