

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	May 14, 2020
<b>Location:</b>	Pickett Lane, Durham; Main Street, Durham; and shared access road, Middletown, CT	<b>Day of Week:</b>	Thursday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	78
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### Weather Conditions

**Conditions:** Daylight hours. Sunny/partly sunny. Winds variable 0-13 mph.  
**Temperature (°F):** High 68°F Low 51°F

Contractors & Subcontractors Workforce				Equipment in Use			
Trade	#	x	hrs	Trade	#	x	hrs
USACE				Ludlow Construction			
Field Engineer	2	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
				Middletown Police Detail	0	x	8
				State Police Detail	3	x	8

Type	#	x	hrs
Concrete/Asphalt Road Saw	1	x	8
Dump truck	5	x	8
Excavator – Large	3	x	8
Excavator - Mid-Size	1	x	8
Excavator - Rubber Wheeled – Rock	0	x	8
Skid Steer / Bucket Loader	1	x	8
Rolling Compactor	1	x	8
Plate Compactor	1	x	8
Jumping Jack Compactor	1	x	8
Street Sweeper (Broce Broom)	1	x	8
Material Hopper	0	x	8
Pipe saw	1	x	8
Light Tower	0	x	8

**Visitors:** Jose Torres, CTDOT  
John Ewanowski, City of Middletown Water and Sewer Department

### Pipe Connections and Installations

Ludlow placed 16" DIP from ~Station 191+30, with corporation stops at Stations 191+30, 191+75, 192+27, 192+49, 193+15, 193+18, 193+28.

Ludlow filled and graded portions of the shared access driveway today from Stations 14+40 and 11+00 and raised the elevations of four catch basins.

Ludlow continued with the placement of 12" DIP today on Pickett Lane from Sta. 508+17 to Sta. 509+12 and from Sta. 512+02 to Sta. 512+73.

### Compaction Testing

Compaction testing was performed today. Soil 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:

**Res. Representative:** J. Meunier **Date:** 5/14/20

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<https://www.nae.usace.army.mil/Missions/Projects-Topics/Durham-Meadows-Water-Lines-Project/>

### Other

Pressure testing was not performed today. Ludlow and the City of Middletown performed sampling of water in the line running from Talcott Ridge Drive to Little Lane and field analysis of the collected samples for chlorine.

### Additional Data

None

### Daily Activities – Pressure Testing

Pressure testing was not performed today. Ludlow and the City of Middletown performed sampling of water in the line running from Talcott Ridge Drive to Little Lane and field analysis of the collected samples for chlorine.

0750: Ludlow stated that residual chlorine sampling will be performed today.

1040: Ludlow and two City of Middletown personnel (including John Ewanowski) are at the hydrant at ~Station 118+00 (in front of Compass Powder Coating) on the southbound lane of Main Street. Middletown personnel are using a Hach DR300 to field analyze water collected from the hydrant for chlorine.

### Daily Activities – Shared Access Driveway

Ludlow filled and graded portions of the shared access driveway today from Stations 14+40 and 11+00 and raised the elevations of four catch basins.

0810: Ludlow working at the shared access driveway today, grading the section of the driveway between Stations 14+40 and 11+00. In addition, Ludlow will be raising the elevations of several catch basins, including the one located between 214 and 216 Talcott Ridge Drive. No germination of grass seed evident on the north side of shared access road yet. USACE and Ludlow personnel discuss the radius of entry to the driveway of 216 Talcott Ridge Drive with the resident.

0905: Ludlow has raised the catch basin between 214 and 216 Talcott Ridge Drive 5" using bricks and mortar.

1055: Ludlow has the catch basin between 214 and 216 Talcott Ridge Drive raised 5". They have also raised the elevation of another catch basin located across the shared access driveway.

1315: Ludlow raising the catch basin located on the north side of the shared access driveway at Station 13+00. This is the third catch basin located between Stations 14+50 and 13+00 they have raised the elevation of today in addition to the catch basin between 214 and 216 Talcott Ridge Drive.

**Res. Representative:**

J. Meunier

**Date:** 5/14/20

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### Daily Activities – Pickett Lane

Pickett Lane staging areas were inspected. No significant changes in the placement or amount of equipment and materials was noted. Ludlow continued to place 12" DIP on Pickett Lane.

0710: Ludlow excavating on Pickett Lane, picking up where they left off yesterday at Station 508+17.

0940: Ludlow has placed 12" DIP up to Station 508+95.

1147: Placement of 12" DIP on the west side of the stream crossing has stopped at Station 509+12. Hydrant assembly (12"x6" M.J. C.L.D.I. hydrant TEE with a 6" M.J. gate valve and gate box) has been placed at ~Station 509+06 (assembly was moved a little due to conflict with existing electric utilities).

1220: Ludlow putting together 12" valve assembly (12" M.J. R.S. gate valve, valve box, and a 12" M.J.D.I. plug) that will be installed at Station 512+02. A 1" copper air bleed line will be attached to the 12" M.J.D.I. plug.

1400: Station 512+73 is the end of placed pipe on Pickett Lane today.

### Daily Activities – Main Street, Durham

Ludlow continued placing 16" DIP today on the southbound lane of Main Street. Traffic detail was provided by CT State Police.

0727 Ludlow excavating on Main Street, picking up where they left off yesterday at Station 191+30.

0825: Ludlow has placed one full piece of 16" DIP on Main Street. This includes a corporation stop at approximately Station 191+30. Ludlow is currently putting in a 16"x16"x12" M.J. C.L.D.I. TEE with two 16" M.J. butterfly valves and a 12" M.J. gate valve and gate box at Station 191+63 (across from Maiden Lane). Two Connecticut state troopers are providing traffic detail currently.

0833: JTC Is on site to perform soil compaction testing.

1105: Ludlow has placed 16" DIP to Station 192+40. Corporation stops have been placed at Station 191+75 and 192+27. Three Connecticut state troopers are providing traffic detail currently.

1118: Ludlow just placed another 20' section of 16" DIP, with a corporation stop at 192+49. JTC is currently collecting soil compaction data.

1235: Ludlow has finished placing pipe on Main Street for the day at Station 193+37. Corporation stops have been placed at Stations 193+15, 193+18, 193+28.

1415: Ludlow placing hot patch on Main Street trench.

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### Payment Items:



Picture 1: 16"x16"x12" M.J. C.L.D.I. TEE with two 16" M.J. butterfly valves and a 12" M.J. gate valve and gate box installed at Station 191+63 (across from Maiden Lane, Durham, CT).

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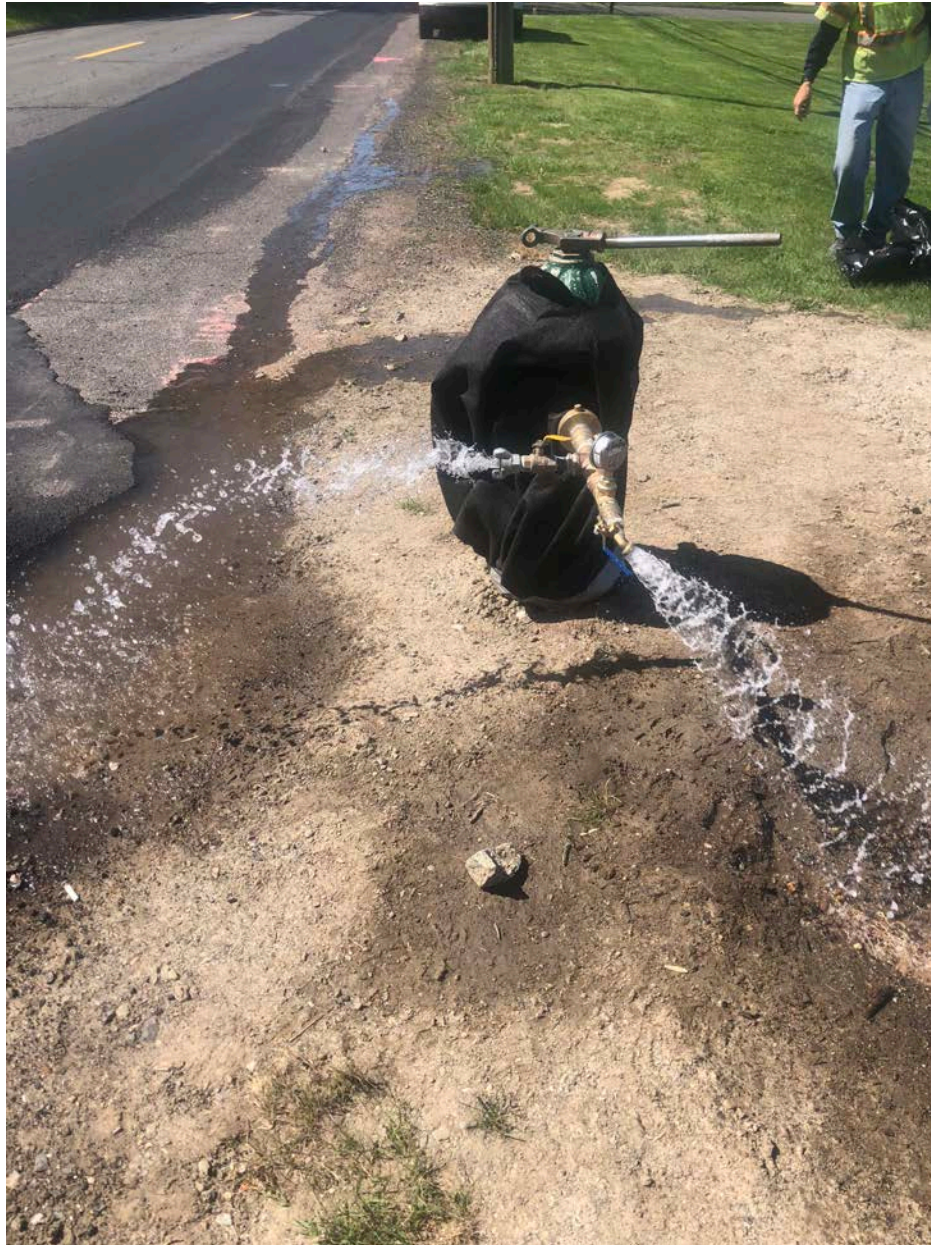
Picture 2: Ludlow raising the elevation of catch basin located between the driveways for 214 and 216 Talcott Ridge Drive. Shared access driveway, Middletown, CT

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**Picture 3: Hydrant about to be sampled for residual chlorine at ~Station 118+00. View to the south. Middletown, CT.**

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Picture 4: Hach DR300 used to field analyze water for residual chlorine Middletown, CT.

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**Picture 5: Catch basin located between the driveways of 214 and 216 Talcott Ridge Drive after it was raised 5" and gravel was backfilled and compacted around it. Driveway for 214 Talcott Ridge Drive visible in the background. Middletown, CT.**

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Picture 6: Ludlow raising the elevation of catch basin at Station 13+00. View to the south. Shared access driveway, Middletown, CT.

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**Picture 7: Catch basins that Ludlow raised elevation on. View to the east. Shared access driveway, Middletown, CT.**

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**Picture 8: Modified radius of driveway entrance to address 216 Talcott Ridge Drive per resident's request. View to the south. Shared access driveway, Middletown, CT.**

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