

AECOM

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
Location:	Pickett Lane, Durham; Main Street, Durham; and shared access road, Middletown, CT	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	1 of 11

Weather Conditions

Conditions: Daylight hours. Sunny. Winds variable 0-14 mph.

Temperature (°F): High 68°F Low 45°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	2	x	8	Light Tower	0	x	8
					State Police Detail	3	x	8				

Visitors: Brian Curtis, Durham Town Engineer
John Ewanowski, City of Middletown Water and Sewer Department

Pipe Connections and Installations

Ludlow placed 16" DIP from Stations 195+36 to 196+16, with corporation stop at Station 195+82.

Ludlow saw cut pavement on Talcott Ridge Drive and South Main Street, Middletown.

Ludlow performed 12" cut backs from edge of patch on Talcott Ridge Drive today from Stations 37+50 to 42+50, and replaced asphalt in two lifts.

Ludlow continued with the placement of 12" DIP today on Pickett Lane between Stations 518+38 and 522+34. In addition, a hydrant assembly (12"x6" M.J. C.L.D.I. hydrant TEE with a 6" M.J. gate valve and gate box) was placed at Station 519+73.

Compaction Testing

Compaction testing was performed today on soils at Main Street and Pickett Lane, and asphalt on Talcott Ridge Drive. Compaction test data can be found here:

<https://www.nae.usace.army.mil/Portals/74/docs/Topics/DurhamMeadowsWaterline/CompactionTests/>

Res. Representative: J. Meunier **Date:** 5/19/20

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Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
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Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	2 of 11

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/>

Other

None

Daily Activities – Pressure Testing

Pressure testing was performed today on a 20' section of water line located at the intersection of South Main Street and Talcott Ridge Drive.

0735: John Ewanoski from the City of Middletown Water and Sewer Department is present to oversee a pressure test on a 20' section of water line at the intersection of Talcott Ridge Drive and South Main Street.

0900: On the pressure test at the intersection of South Main Street and Talcott Ridge Drive, an initial pressure of 150 psi has dropped to 140 psi. John Ewanowski said that the pressure test is engaging a 30 year old gate valve that might be losing water. He said it will be the City's discretion whether to allow this test to pass or fail.

1255: John Ewanoski from the City of Middletown Water and Sewer Department indicates that the final pressure for the 20' section pipe they tested today dropped to 135 PSI.

Daily Activities – Shared Access Driveway

Ludlow did not work on the shared access driveway today. Some germination of grass seed was noted on north side of the shared access driveway.

Daily Activities – Talcott Ridge Drive

Ludlow performed 12" cut backs from edge of patch on Talcott Ridge Drive today from Stations 37+50 to 42+50.

0735: Ludlow resumes 12" cutbacks from edge of patch on Talcott Ridge Drive today starting from where they left off yesterday at Station 37+50, and are replacing asphalt in two lifts. One Middletown police officer is positioned at the intersection of Talcott Ridge Drive and Watch Hill Drive; a second officer is accompanying one of the Ludlow pavement saw cutters.

0907: JTC is performing compaction tests on the asphalt patching that was placed on May 18, 2020 on Talcott Ridge Drive.

0940: Ludlow has asphalt peeled back from the trench cutbacks to ~Station 40+00. Saw cutting of pavement has progressed to ~Station 47+00.

1315: Ludlow has placed a first lift of asphalt on Talcott Ridge Drive as far as Station 42+50

Res. Representative:	J. Meunier	Date:	5/19/20
-----------------------------	------------	--------------	---------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
Location:	Pickett Lane, Durham; Main Street, Durham; and shared access road, Middletown, CT	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	3 of 11

Daily Activities – Pickett Lane

Ludlow continued to place 12" DIP on Pickett Lane from Stations 518+38 to 522+34. Ludlow continues to use the staging areas at ~Station 514+00 and ~518+00. No significant changes in the placement or amount of equipment and materials was noted.

0717: Ludlow daylighting the end of pipe at Station 518+38, where they will resume the placement of 12" DIP. Water is encountered at bottom of trench but not enough to pump out. Ludlow reports having seen a similar amount of water in portions of the trench yesterday.

1025: Ludlow has excavated up to Station 520+50 on Pickett Lane. They have placed 12" DIP up to Station 520+35. A 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 519+73.

1254: Ludlow has placed 12" DIP up to Station 521+93. Ludlow is currently backfilling and compacting trench with -1.5 inch gravel.

1355: Ludlow finished placement of 12" DIP on Pickett Lane at Station 522+34.

Daily Activities – South Main Street, Middletown

Ludlow performed saw cutting of pavement on South Main Street in Middletown, CT 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.

0710: Ludlow waiting for State Police to close the intersection of Route 68 and Main Street so they can mobilize equipment to Station 195+36 and begin excavating.

0725: Ludlow setting up to continue placing 16" DIP at Station 195+36 on the southbound lane of Main Street where it intersects with Route 68. Traffic is down to one lane on Main Street and Route 68. Three state troopers are providing traffic detail.

0825: Ludlow has about 20' of trench open at the intersection of Main Street and Route 68. They have daylighted a 16" gas line coming into Main Street from Route 68. Ludlow has had to hammer rock for all portions of the trench so far today. JTC is on site to perform compaction tests.

1000: Ludlow hammering rock in the trench at Station 195+65 (intersection of Route 68 and Main Street). Ludlow has placed a 20' section of 16" DIP underneath the 16" gas line.

1115: Ludlow hammering rock at Station 196+00.

1145: Ludlow hammering rock at Station 196+10.

1327: Ludlow has finished placing 16" DIP on Main Street. End of pipe is at Station 196+16.

Res. Representative:	J. Meunier	Date:	5/19/20
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Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
Location:	Pickett Lane, Durham; Main Street, Durham; and shared access road, Middletown, CT	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	4 of 11

Payment Items:



Picture 1: Water observed in bottom of trench on Pickett Lane at ~ Station 518+38. View to the southeast. Middletown, CT).

Res. Representative:	J. Meunier	Date:	5/19/20
-----------------------------	------------	--------------	---------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
Location:	Pickett Lane, Durham; Main Street, Durham; and shared access road, Middletown, CT	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	5 of 11



Picture 2: High-pressure gas line at the intersection of Route 68 and Main Street. Ludlow had to hammer rock around the pipe. View to the south. Durham, CT.

Res. Representative:	J. Meunier	Date:	5/19/20
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Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
Location:	Pickett Lane, Durham; Main Street, Durham; and shared access road, Middletown, CT	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	6 of 11



Picture 3: Pressure gauge for the pressure test performed on the water line located at the intersection of Talcott Ridge Drive and South Main Street. Middletown, CT. View to the north.

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
Location:	Pickett Lane, Durham; Main Street, Durham; and shared access road, Middletown, CT	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	7 of 11



Picture 4: JTC collecting compaction test data on the asphalt placed on May 18, 2020 on Talcott Ridge Drive.

Res. Representative:	J. Meunier	Date:	5/19/20
-----------------------------	------------	--------------	---------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
Location:	Pickett Lane, Durham; Main Street, Durham; and shared access road, Middletown, CT	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	8 of 11



Picture 5: Ludlow compacting road base after having removed asphalt patch. Talcott Ridge Drive, Middletown, CT.

Res. Representative:	J. Meunier	Date:	5/19/20
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Daily Report

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Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	9 of 11



Picture 6: Ludlow hammering rock in the trench at Station 195+65 (intersection of Route 68 and Main Street). View to the south. Main Street, Durham, CT.

Res. Representative:	J. Meunier	Date:	5/19/20
-----------------------------	------------	--------------	---------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
Location:	Pickett Lane, Durham; Main Street, Durham; and shared access road, Middletown, CT	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	10 of 11



Picture 7: Ludlow cleaning up Pickett Lane with the Bocce Broom. Durham, CT.

Res. Representative:	J. Meunier	Date:	5/19/20
-----------------------------	------------	--------------	---------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2020
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Project #:	AECOM: 6061487	Report No:	80
Contractor:	Ludlow Construction	Page:	11 of 11



Picture 8: The first of two lifts of asphalt placed and compacted on 12" cut backs from edge of patch on Talcott Ridge Drive, Middletown, CT. Station 42+50 in the foreground.

Res. Representative:	J. Meunier	Date:	5/19/20
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