

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	June 22, 2020
Location:	Maiden Lane, Main Street, and Shared Access Road	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	103
Contractor:	Ludlow Construction	Page:	1 of 10

Weather Conditions

Conditions: Daylight hours. Sunny. Winds variable 0-10 mph.
Temperature (°F): High 90°F Low 66°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	2	x	8

Visitors: None.

Pipe Connections and Installations

Ludlow installed 12" DIP from Stations 416+04 to 413+12 on Maiden Lane in Durham. This includes the installation a hydrant assembly at Station 415+48; and corporation stops at Stations 415+11, 414+72, and 413+35.

Ludlow installed 12" DIP across Main Street starting at Station 191+63 Main Street (Sta. 400+00 Maiden Lane) and running to Station 400+74 on Maiden Lane.

Ludlow continued to place, grade, and compact fill at and to the east of the water tank footprint at the east end of the shared access driveway.

Ludlow performed a pressure test on the section of the Main Street water line between Route 68 and Old Cemetery Road.

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/>

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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 continued to place, grade, and compact fill at and to the east of the water tank footprint at the east end of the shared access driveway.

0744: Ludlow is grading and compacting fill to the east of the water tank footprint.

0920: Ludlow continues to place, grade and compact fill east of the water tank footprint.

1055: Ludlow continues to place, grade, and compact fill east of the water tank footprint.

1329: Ludlow continues to place, grade, and compact fill on, and east of, the water tank footprint. Ludlow is also placing erosion blankets on the south side of the shared access driveway from ~Stations 12+00 to 11+00.

Daily Activities – Pressure Testing, Main Street, Durham

Ludlow performed a pressure test on the section of the Main Street water line between Route 68 and Old Cemetery Road. The meter used to monitor the pressure was placed on the hydrant located at Station 203+83 on Main Street.

1027: Ludlow is filling the water line on Main Street between Route 68 and Old Cemetery Road for a possible pressure test later today.

1245: Ludlow starts pressure testing the water line on Main Street between Route 68 in Old Cemetery Road. The starting pressure is 150 psi.

1313: Pressure is holding at 150 psi on the pressure test being conducted on the water line on Main Street between Route 68 in Old Cemetery Road.

1445: Pressure test on the water line on Main Street between Route 68 and Old Cemetery Road has passed with a final pressure of 150 psi.

Daily Activities – Installation of 12" DIP, Main Street and Maiden Lane, Durham

Ludlow installed 12" DIP across Main Street starting at Station 191+63 Main Street (Sta. 400+00 Maiden Lane) and running to Station 400+74 on Maiden Lane.

0731: Ludlow is excavating the southbound lane of Main Street at the intersection of Maiden Lane (Station 191+63). 12" DIP will be connected to a previously-installed 16"x16"x12" M.J. C.L.D.I. Tee. Two state troopers are providing traffic detail.

0817: Ludlow is installing a 1" corporation stop on 12" DIP that will be placed at Station 191+63, heading east towards Maiden Lane. The corporation stop is located about 1.5' east of the previously-installed 16"x16"x12" M.J. C.L.D.I. Tee. A 1" copper line will

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be added to the corporation stop as a chlorination inlet.

0901: Ludlow has placed a section of 12" DIP across the southbound lane of Main Street at Station 191+63.

0909: Ludlow begins to excavate across the northbound lane of Main Street at the intersection of Maiden Lane.

0947: Ludlow is trenching across northbound lane of Main Street at Station 191+63, towards the intersection with Maiden Lane.

1039: Ludlow has 12" DIP placed across the northbound lane of Main Street.

1205: Ludlow has finished installing 12" DIP at the intersection of Main Street and Maiden Lane at Station 400+74.

1215: Ludlow is backfilling the trench at the intersection of Main Street and Maiden Lane.

1322: Ludlow is placing and rolling hot patch at the intersection of Main Street and Maiden Lane.

Daily Activities – Installation of 12" DIP, Maiden Lane, Durham

Ludlow installed 12" DIP from Stations 416+04 to 413+12 on Maiden Lane in Durham.

0715: Ludlow resumes work at Station 416+04 on Maiden Lane installing 12" DIP.

0834: Ludlow is excavating to install a hydrant assembly at Station 415+48. A small amount of water is observed in the bottom of the trench. Ludlow is not currently pumping the water out of the trench.

0852: Ludlow installs a hydrant assembly at Station 415+48.

1013: Ludlow installs a corporation stop in front of the driveway for 780 Maiden Lane (Station 415+11). Ludlow is pumping water from the trench into a silt bag.

1020: Ludlow has 12" DIP installed to Station 414+80 on Maiden Lane.

1115: Ludlow has 12" DIP installed up to Station 414+00 on Maiden Lane. A corporation stop was installed at Station 414+72.

1133: Ludlow continues to install 12" DIP on Maiden Lane. Pipe has been installed up to Station 413+60.

1240 Ludlow has 12" DIP installed to Station 413+70.

1337: Ludlow has finished the installation of 12" DIP on Maiden Lane at Station 413+12. This includes the installation of a corporation stop at Station 413+35. Ludlow is currently installing and compacting fill to close the trench and ready it for the placement of hot patch.

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Picture 1: Ludlow begins to excavate at the intersection of Main Street and Maiden Lane. View to the west. Station 191+63 on Main Street, Durham

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Picture 2: Ludlow compacting fill to the east of the water tank pad. Shared Access Driveway, Middletown. View to the southeast.

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Picture 3: Ludlow installing 12" DIP across Main Street towards Maiden Lane to the east. Durham, view to the south.

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Picture 4: Water observed in trench at Station 416+00. Maiden Lane, Durham.

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Picture 5: Ludlow discharging water pumped from the trench on Maiden Lane at ~Station 413+50 into a silt bag. View to the northwest.

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Picture 6: Starting pressure for pressure test run today. The meter used to monitor the pressure was placed on the hydrant located at Station 203+83 on Main Street.

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Picture 7: Pressure reading taken several minutes before pressure test was concluded today on Main Street. The meter used to monitor the pressure was placed on the hydrant located at Station 203+83 on Main Street.