

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 10, 2020
Location:	Maple Avenue and Main Street, Durham	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	134
Contractor:	Ludlow Construction	Page:	1 of 11

Weather Conditions

Conditions: Daylight hours. Sunny. Winds variable 0-10 mph.

Temperature (°F): High 93°F Low 72°F

Contractors & Subcontractors Workforce					Equipment in Use						
Trade	#	x	hrs	Trade	#	x	hrs	Type	#	x	hr
USACE				Ludlow Construction				Concrete/Asphalt Road Saw	1	x	8
Field Engineer	1	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	1	x	8
				Sub-contractor	1	X	8	Pipe saw	1	x	8
				Municipal Police Detail	0	X	8	Light Tower	0	x	8
				State Police Detail	2	X	8				

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow installed curb stops on the east side of Main Street at Stations 184+88 and ~185+72.

Ludlow saw cut pavement on Main Street and Maple Avenue, Durham.

Ludlow installed 12" DIP on Maple Avenue up to Station 900+79. This includes the installation of a 12"x12"x8" Tee at Station 900+79, an 8" gate valve at Station 900+79, and a 1.5" corporation stop at Station 901+52.

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/>

In addition, soil compaction data is presented in the Contractor Daily Quality Control Reports located here:

Res. Representative: J. Meunier

Date: 8/10/20

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

Daily Activities – Installation of 12" DIP, Maple Avenue, Durham

Ludlow installed 12" DIP on Maple Avenue up to Station 900+79. This includes the installation of a 12"x12"x8" TEE at Station 900+79, an 8" gate valve at Station 900+79, and a 1.5" corporation stop at Station 901+52.

0730: Ludlow is excavating on the west side of Maple Avenue, just north of the entrance to White Farm open space property (which is adjacent to the entrance to the Durham Fair grounds). Ludlow currently has a trench box placed to the west of the edge of pavement, where they have daylighted previously installed 12" DIP as part of the Allyn Brook stream crossing on Maple Avenue. Ludlow is trenching south towards the existing waterline.

0900: Ludlow is currently hammering rock as they excavate on Maple Avenue for the installation of 12" DIP.

0942: Ludlow has just installed a 45° bend at Station 901+69 on Maple Avenue. Ludlow is currently attaching a 14' section of 12" DIP to the 45° bend.

1051: Ludlow has installed a 20' section of 12" DIP to the 14' section of 12" DIP they just installed on Maple Avenue. Ludlow is currently attaching a 20' section of 12" DIP to the 20' section they just installed, heading south on Maple Avenue.

1106: Ludlow is installing another 20' section of 12" DIP on Maple Avenue.

1206: Ludlow is installing a 14.5' section of 8" DIP at the paved entrance to the Durham Fair property (this is the location that was selected by the owner of the fairgrounds). The 8" DIP was placed with a DIP end cap on its west side; it was connected to an 8" gate valve that was installed earlier today at Station 900+79 on the 12" waterline (the 8" valve was connected to a 12"x12"x8" TEE that was also installed today at Station 900+79).

1320: Ludlow is excavating a test pit on Maple Avenue south of Station 900+00 (and adjacent to transformer number 1180 which is located on the west side of the road). Ludlow is daylighting the existing water line to see if it was installed using restrained piping. It was not.

Daily Activities – Saw Cutting of Pavement, Main Street, Durham

Ludlow saw cut pavement on Main Street and Maple Avenue.

0745: Ludlow is saw cutting pavement on the northbound lane of Main Street in front of 271 Main Street, Durham as they prepare to install a curb stop.

0825: Ludlow is saw cutting pavement in front of 265 Main Street for the future installation of a curb stop. Northbound lane.

0940: Ludlow is setting up to saw cut pavement on the east side of Maple Avenue from 0'-75' south of Station 900+00.

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

Ludlow installed curb stops on the east side of Main Street at Stations 184+88 and ~185+72.

0724: Ludlow is excavating across the northbound lane of Main Street in front of 275 Main Street as they prepare to install a curb stop.

0751: Ludlow continues to trench across the northbound lane of Main Street in front of 275 Main Street to install a curb stop 38 feet from the edge of pavement. Ludlow is currently tunneling beneath the sidewalk using pneumatic "mole" that will create a ~4" diameter hole through which a conduit of 3" PVC will be placed. The 1" copper service line was then run through the PVC conduit.

0908: Ludlow is trenching on northbound lane of Main Street in front of 271 Main Street to install a curb stop.

0922: Ludlow is backfilling the trench for the curb stop installed at 275 Main Street. The curb stop at 271 Main Street will be 37' from edge of pavement. Ludlow continues to excavate a trench for the installation of the curb stop at 271 Main Street, Durham.

1159: Ludlow continues to work on installing a curb stop at 271 Main Street. They are currently excavating across southbound lane of Main Street.

1256: Ludlow continues to install a curb stop at 271 Main Street residence. They are currently connecting 1" copper line to a corporation stop located on Main Street water line.

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Picture 1: Ludlow excavating on Maple Avenue, Durham, at Station 901+50 for the installation of 12" DIP. View to the north.

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Picture 2: Ludlow installing 1" curb stop at the 275 Main Street, Durham residence at Station 184+88. View to the south.

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Picture 3: Ludlow saw cutting pavement in front of 265 Main Street for the installation of a curb stop. View to the south.

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Picture 4: PVC conduit Ludlow placed to run 1" copper service line for the curb stop that was installed under the sidewalk in front of the 275 Main Street residence. Station 184+88. View to the west.

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Picture 5: Ludlow working on the installation of a 1" curb stop for the residence at 271 Main Street residence. Station 185+72. View to the west.

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Picture 6: Ludlow attaching a 14' section of 12" DIP to the 45° bend they just installed at Station 901+65. Maple Avenue, Durham. View to the south.

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Picture 7: Ludlow installing a 14.5' section of 8" DIP at Station 900+90, placed west of Maple Avenue into the Durham fairgrounds entrance. View to the east.

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Picture 8: Ludlow excavating a test pit to the south of Station 900+00 in order to daylight the existing water line. Maple Avenue, Durham. View to the east.

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