

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	June 29, 2020
Location:	Maiden Lane, Pickett Lane, and the Shared Access Driveway	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	109
Contractor:	Ludlow Construction	Page:	1 of 19

Weather Conditions

Conditions: Daylight hours. Partly sunny. Winds variable 0-9 mph.

Temperature (°F): High 81°F Low 62°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	1	x	8
					Sub-contractor	2	x	8		Pipe saw	1	x	8
					Municipal Police Detail	0	x	8		Light Tower	0	x	8
					State Police Detail	1	x	8					

Visitors: Scott Scorpa, DN Tanks
Rob Chadd, Durham Fire Chief

Pipe Connections, Installations, and Other Work

Ludlow installed 12" DIP from Stations 406+16 to 408+97 on Maiden Lane in Durham. This includes the installation of corporation stops at Stations 407+02 and 407+28.

Ludlow began work on the stream crossing on Pickett Lane at Station ~511+00.

Ludlow worked on the water tank footprint at the top of the Shared Access Driveway.

Ludlow dechlorinated the Main Street water line from Winsome Road to 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/>

Res. Representative: J. Meunier

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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 worked on the water tank footprint at the top of the Shared Access Driveway.

0710: AECOM performs an inspection of the Shared Access Driveway after heavy rain this weekend. No erosion issues were observed. Silt fences appear intact and functioning.

0808: Ludlow is preparing to perform additional earth work within the footprint of the water tank footprint.

0920: Ludlow is placing 1.5" gravel from elevation 435 to 439.67 within the water tank footprint. The material will be placed in 8" lifts and then compacted with a plate compactor.

0924: DN Tanks representative Scott Scopra arrives at the water tank footprint. Ludlow is not sure yet if compaction results taken from the tank footprint last week at elevation 437 passed using a new proctor. Ludlow is currently placing -1.5" gravel at the center of the water tank footprint.

1021: Based upon input from DN Tanks, Ludlow has removed the gravel they placed on the water tank footprint this morning.

1108: AECOM spoke to Mike Pio of Ludlow about the tank pad footprint. Mike said that DN Tanks wants them to remove previously placed fill to elevation 435 and bring back up to 437 using the structural fill (1.25" gravel) that AECOM previously approved. Mike also said the compaction test taken last week failed using the new proctor.

1130: Ludlow is removing previously placed fill on the water tank footprint down to elevation 435.

1249: Ludlow has finished excavating material at the water tank footprint down to elevation 435 and is currently compacting the tank footprint with a roller.

1322: Ludlow has begun to place structural fill on the water tank footprint.

Daily Activities – Stream Crossing, Pickett Lane, Durham

Ludlow began work on the stream crossing on Pickett Lane at Station ~511+00.

0727: Ludlow is preparing for a stream crossing on Pickett Lane at Station ~511+00.

0827: Ludlow is placing ~40" plastic corrugated PVC pipe in the streambed of Allyn Brook at Station ~511+00 to temporarily divert stream flow while they work to place 12" DIP across the stream.

0944: Ludlow has ~40" corrugated plastic culvert in place in Allyn Brook (immediately upstream of the bridge where Pickett Lane crosses the brook) and are now using large and small sandbags to divert the stream flow into the upstream end of the plastic stream flow bypass culvert.

1049: Ludlow continues to place sandbags around the 40" corrugated culvert.

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1200: Ludlow continues to work at the stream crossing at Station ~511+00. They have two pumps moving water from the work zone into a silt bag placed downstream on the stream bank.

Daily Activities – Dechlorination of Water Line, Main Street, Durham

Ludlow dechlorinated the Main Street water line from Winsome Road to Old Cemetery Road.

0754: City of Middletown personnel are monitoring the water pressure on the closest hydrant to the Talcott Ridge Drive cul-de-sac as Ludlow prepares to dechlorinate the Main Street water line between Winsome Road and Old Cemetery Road.

0818: Ludlow and JMS Connections are at the intersection of Old Cemetery Road and Main Street, where they are adding calcium thiosulfate to dechlorinate the water in the Main Street water line from Winsome Road to Old Cemetery Road. There is one CT State Trooper present performing traffic management.

1136: Ludlow is purging water from the hydrant located at Station 183+58. JMS is testing for residual chlorine as they purge the Main Street water line.

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

Ludlow installed 12" DIP from Stations 406+16 to 408+97 on Maiden Lane in Durham. This includes the installation of corporation stops at Stations 407+02 and 407+28.

0720: Ludlow resumes placing 12" DIP where they left off at Station 406+16 on Maiden Lane last Friday.

0855: Ludlow has 12" DIP installed up to Station 407+00.

1008: Ludlow has placed 12" DIP up to Station 407+50. Corporation stops have been installed at Stations 407+02 and 407+28.

1235: Ludlow has 12" DIP installed up to Station 408+97, which is as far as Ludlow will place pipe on Maiden Lane today.

1305: Ludlow is placing and compacting fill in the trench on Maiden Lane.

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Picture 1: Ludlow removing brick walkway as part of stream crossing activities at Station ~511+00. Pickett Lane, Durham. View to the east.

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Picture 2: Ludlow dechlorinating the Main Street water line with calcium thiosulfate at the intersection of Main Street and Old Cemetery Road. View to the south.

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Picture 3: Ludlow installing 12" DIP at Station ~407+00. Maiden Lane, Durham. View to the northeast.

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Picture 4: Ludlow placing 1.5" gravel at the water tank footprint. Shared Access Driveway, Middletown. View to the southeast.

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Picture 5: Ludlow installing 40" plastic culvert as a stream flow bypass for the stream crossing at Station ~511+00. Pickett Lane, Durham. View to the north.

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Picture 6: View of the 40" plastic culvert at Station ~511+00 with large and small sand bags placed to divert flow into pipe. View is downstream and to the south. Pickett Lane, Durham.

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Picture 7: Durham Fire Chief selected the area immediately to the right of the telephone pole as the new location of a hydrant to be placed. This location is immediately north of 239 Main Street. Maiden Lane, Durham. View to the south.

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Picture 8: Water tank footprint after Ludlow removed the gravel they placed earlier today upon the advice of DN Tanks. Shared Access Driveway, Middletown. View to the southeast.

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Picture 9: Ludlow placing large sand bag next to work zone for the stream crossing at Station ~511+00. View is upstream and to the north. Pickett Lane, Durham.

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Picture 10: Water tank footprint as Ludlow removes fill down to elevation 435 today upon the advice of DN Tanks. Shared Access Driveway, Middletown. View to the southeast.

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Picture 11: Allyn Brook looking upstream from Pickett Lane. Ludlow has bracketed the work zone for the stream crossing at Station ~511+00 with sand bags and has two pumps moving water from the zone and into the silt bag that is visible on the right hand side of the photo. View is upstream and to the north. Pickett Lane, Durham.

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Picture 12: Allyn Brook looking downstream towards Pickett Lane. Ludlow has placed sand bags to divert stream flow into the 40" plastic culvert. Pickett Lane, Durham.

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Picture 13: Allyn Brook looking downstream towards Pickett Lane. Ludlow has placed sand bags on the upstream and downstream sides of the stream crossing work zone and stream flow is diverted into the 40" plastic culvert visible on the right. Station ~511+00, Pickett Lane, Durham.

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Picture 14: Ludlow compacting fill at elevation 435 at the water tank footprint. Shared Access Driveway, Middletown. View to the southeast.

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Picture 15: Ludlow placing structural fill on the water tank footprint. Shared Access Driveway, Middletown. View to the southeast.

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Picture 16: Closeup of structural fill placed on the water tank footprint with keys to provide scale. Shared Access Road, Middletown. View to the southeast.