

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	July 31, 2020
Location:	Pickett Lane, Maple Avenue, Main Street, and the Shared Access Driveway	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	132
Contractor:	Ludlow Construction	Page:	1 of 17

Weather Conditions									
Conditions: Daylight hours. Humid. Light Rain.									
Temperature (°F): High 92°F Low 69°F									
Contractors & Subcontractors Workforce									
Trade	#	x	hrs	Trade	#	x	hrs		
USACE				Ludlow Construction					
Field Engineer	2	x	8	Superintendent	0	x	8		
				Safety Officer	1	x	8		
DN Tank				Foreman	2	x	8		
Foreman	1	X	8	Dump truck Operator	4	x	8		
Laborers	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	2	X	8		
				Municipal Police Detail	0	X	8		
				State Police Detail	2	X	8		
Equipment in Use									
Type				#	x	hr			
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				1	x	8			
Pipe saw				1	x	8			
Light Tower				0	x	8			
Visitors:									

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Pipe Connections, Installations, and Other Work

Ludlow spent the entire day blowing sand into the annular space between the steel casing and the DIP at the Allyn Brook stream crossing.

Ludlow installed three (3) curb stops on the west side of Main Street in the grass between stations 183 +00 and 183+50, at station 184+00 and station 184+50.

Ludlow completed a brick sidewalk on Pickett Lane at station 512+25.

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:

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

Daily Activities – Stream Crossing, Maple Avenue

Ludlow spent the entire day blowing sand into the casing at the Allyn Brook stream crossing on Maple avenue at Station ~905+00.

0716: Ludlow is beginning to blow sand into the annular space between the steel casing and the DIP utilizing an air compressor and eductor.

0837: SAA

1006: SAA

1130: SAA

1320: Ludlow has five feet of casing remaining to fill with sand.

1400: Ludlow is cleaning up for the day.

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Daily Activities – Installation of Sidewalk, Pickett Lane, Durham

0902: Ludlow began to complete the brick sidewalk at station 512+25 on Pickett Lane.

1016: Ludlow is taking a break.

1200: The sidewalk is completed. Ludlow is removing forms and cleaning up the area.

1340: Ludlow is completed at Pickett Lane.

Daily Activities – Installation of Curb Stop(s), Main Street, Durham

Ludlow installed three (3) curb stops on the west side of Main Street at stations 184+00, 184+50, and between 183+00 and 183+50.

0744: Ludlow is beginning to dig a trench line between stations 183+00 and 183+50. This area is in the grass outside of 285 Main Street.

0927: Ludlow has installed the curb stop located between stations 183+00 and 183+50. The curb stop is located 40.7' from the edge of the road. Ludlow began digging a trench line across the street from the church at station 184+00.

1151: Ludlow has installed the curb stop across from the church at station 184+00. The curb stop is located 35.5' from the edge of the road. Ludlow is backfilling and compacting the trench line between stations 183+00 and 183+50. Ludlow has begun to start digging a trench line at station 184+50 to the south of the church.

1228: Ludlow has installed the curb stop at station 184+50 on the west side of Main Street. The curb stop is located 36.3' from the edge of the road. Ludlow is now beginning to backfill the trench line at 184+00 with soil and pea gravel.

1430: Ludlow is asphaltting the trench lines that intersect Main Street.

Daily Activities – DN Tanks Mobilization, Shared Access Driveway, Middletown

DN Tanks spent the day constructing concrete forms for the water tank.

0800: DN tanks continuing to construct the concrete forms for the water tank.

0934: SAA. DN Tanks decided to cancel the concrete placement for today. The pressure testing of the pipes must be completed.

1036: SAA

1250: SAA

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1300: SAA

1440: SAA

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Picture 1: Ludlow Construction beginning to blow sand into the steel casing, Station 905 + 00. View to the south.

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Picture 2: Ludlow Construction restoring a brick sidewalk on Pickett Lane, Pickett Lane, Station 512 + 25. View to the north.

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Picture 3: Ludlow Construction beginning to dig trench line between stations 183+00 and 183+50 on Main Street, Main Street, Stations 183+00 and 183+50. View to the southwest.

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Picture 4: Ludlow Construction working on exposing the water main between 183+00 and 183+50 on Main Street, Main Street, Stations 183+00 and 183+50. View to the west.

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Picture 5: DN tanks working on the concrete forms for the water tank, Shared Access Driveway. View to the northeast.

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Picture 6: Curb stop installed between stations 183+00 and 183+50 on Main Street, Main Street, Stations 183+00 and 183+50. View to the west.

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Picture 7: Ludlow Construction compacting the trench line between stations 183+00 and 183+50 on Main Street, Main Street, Station 183+00 and 183+50. View to the northwest.

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Picture 8: Curb stop installed at Station 184+00 location across from the church, Main Street, Station 184+00. View to the west.

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Picture 9: Curb stop installed at the station 184+00 location across from the church, Main Street, Station 184+00. View to the west.

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Picture 10: Ludlow Construction using horizontal drill at station 184+50 trench line, Main Street, Station 184+50. View to the west.

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Picture 11: Pipe blowing sand into the annular space between the steel casing and DIP, Station 905 + 00. View to the north.

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Picture 12: Ludlow Construction completing the brick sidewalk on Pickett Lane, Pickett Lane, Station 512 + 25. View to the north.

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Picture 13: Curb stop installed at station 184+50 on Main Street, Main Street, Station 184+50. View to the west.

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