

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	October 15, 2020
Location:	Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Thursday
Project #:	AECOM: 6061487	Report No:	180
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions

Conditions: Daylight hours: partly sunny. Winds variable 0-6 mph.
 Temperature (°F): High 72°F Low 61°F

Contractors & Subcontractors Workforce					Equipment in Use							
Trade	#	x	hrs		Trade	#	x	hrs	Type	#	x	hrs
USACE					Ludlow Construction				Concrete/Asphalt Road Saw	0	x	8
Field Engineer	1	x	8		Superintendent	1	x	8	Dump truck	0	x	8
					Safety Officer	1	x	8	Excavator – Large	0	x	8
					Foreman	1	x	8	Excavator - Mid-Size	0	x	8
					Dump truck Operator	4	x	8	Excavator - Rubber Wheeled – Rock	0	x	8
					Excavator Operator	1	x	8	Skid Steer / Bucket Loader	0	x	8
					Skid Steer/Bucket Loader	1	x	8	Rolling Compactor	0	x	8
					Laborers	6	X	8	Plate Compactor	0	x	8
					Note that some persons				Jumping Jack Compactor	0	x	8
DN Tanks					Multiple pieces equipment.				Street Sweeper (Broce Broom)	0	x	8
Superintendent	1	x	8						Material Hopper	0	x	8
Laborers	5	x	8		Sub-contractor	4	X	8	Pipe saw	0	x	8
					Municipal Police Detail	0	X	8	Light Tower	0	x	8
					State Police Detail	0	X	8				

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks continued placing prestressed wire around the exterior of the water tank, placed a second stress plate around one of the two manways on the (east) side of the water tank, and continued general housekeeping.

Ludlow excavated and paved trench cutbacks on Main Street, Durham from 167+30 to 171+00.

Veilleux saw cut pavement on the southbound lane of Main Street, Durham between Stations 186+00 and 208+50.

Ludlow surveyor Juliano Associates is on site to address inconsistencies with respect to a previous survey and the location of survey monuments.

Additional Information

DN Tanks also poured concrete for the two 1' x 3' steps associated with the MC6 channel platform frames. DN Tanks stated that they used shotcrete from the same load they brought on site yesterday to coat exposed prestressed wire.

Res. Representative: J. Meunier

Date: 10/15/20

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Veilleux saw cut pavement yesterday from the Stations 196+00 to 203+00.

Compaction Testing

Soil compaction testing was 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 – Water tank construction, Shared Access Driveway, Middletown

DN Tanks continued placing prestressed wire around the exterior of the water tank, placed a second stress plate around one of the two manways on the (east) side of the water tank, and continued general housekeeping.

0805: DN Tanks has installed a stress plate on manway located on the west side of the water tank. The exposed prestressed wire at the bottom of water tank was subsequently covered yesterday evening with shotcrete. In addition, DN Tanks covered the prestressed wire left exposed from the shotcrete application on 10-12-20. DN Tanks also used shotcrete to pour the two 1' x3' steps associated with the MC6 channel platform frames.

1057: DN Tanks has placed a second layer of prestressed on the bottom exterior of the water tank (from approximately 0'-2' up from the tank base). DN Tanks has also installed a stress plate on the manway located on the east side of the tank.

1229: DN Tanks continues to wrap prestressed wire around the exterior of the bottom of the water tank. DN Tanks is expecting a delivery of shotcrete at 1600 hours. JTC has been notified to be on site to collect QC samples from the shotcrete.

1402: DN tanks continues to wrap prestressed wire around the exterior bottom of the water tank east of the Shared Access Driveway, Middletown.

Daily Activities – Permanent paving of trench cutbacks, Main Street, Durham

Ludlow excavated and paved trench cutbacks on Main Street, Durham from 167+30 to 171+00.

0829: Ludlow has two private flaggers and one Ludlow laborer providing traffic management as they strip asphalt from the trench cutback permanent paving work zone located between Stations 167+30 and 171+00.

1012: Ludlow has removed all pavement from the trench overcut pavement work zone, has placed tack coat along the edges of the cut pavement, and is currently compacting the 1.5" processed gravel base. JTC is present to collect compaction data.

1204: Ludlow has nearly finished placing and compacting the first 3" lift of asphalt between Stations 167+30 and 171+00 on Main Street, Durham.

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1550: Ludlow is starting to place the third 3" lift of asphalt between Stations 167+30 and 171+00. JTC is collecting compaction data from the second lift of asphalt.

Daily Activities – Saw cutting pavement, Main Street, Durham

Ludlow subcontractor Veilleux saw cut pavement today on the southbound lane of Main Street, Durham from Stations 186+00 to 208+50.

0946: Veilleux is saw cutting pavement on the southbound lane of Main Street, Durham at Station 206+00. Two private flaggers are providing traffic detail. The catch basin located downgradient of the work zone at Station 206+20 does not have a silt sock installed in it. Ludlow indicated that the grate to the drain was stuck in place. AECOM requested that filter fabric be placed over the catch basin grate, which Ludlow quickly addressed.

1543: Veilleux has progressed with saw cutting of pavement to approximately Station 208+30 (just north of where Old Cemetery Road intersects with Main Street).

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Picture 1: Stress plate that DN Tanks installed on the manways located on the west side of the water tank. Water tank work zone located east of the Shared Access Driveway, Middletown. View to the southeast.

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Picture 2: The base of the water tank after shotcrete was applied to it yesterday. Water tank work zone located east of the Shared Access Driveway, Middletown. View to the east.

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Picture 3: Water and silt from saw cutting operations on the southbound lane of Main Street, Durham entering the catch basin located at Station 206+20. View to the north.

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Picture 4: Silt fabric placed over the catch basin located at Station 206+20, which is located downgradient of pavement saw cutting activities. Main Street, Durham; view to the northwest.

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Picture 5: Tack coat that Ludlow has applied to the edge of cut pavement on the trench overcuts for permanent paving on the southbound lane of Main Street, Durham, between Stations 167+30 and 171+00.

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Picture 6: Asphalt stripped away from trench overcuts paving work zone located on the southbound lane of Main Street, Durham, between Stations 167+30 and 171+00.

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Picture 7: Ludlow compacting 1.5" processed gravel as part of trench overcut paving activities on the southbound lane of Main Street, Durham, between Stations 167+30 and 171+00.

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Picture 8: DN Tanks started to place a second layer of prestressed wire on the base of the water tank after shotcrete was applied to it yesterday. Water tank work zone located east of the Shared Access Driveway, Middletown. View to the east.

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Picture 9: Ludlow compacting first 3" lift of asphalt as part of trench overcut paving activities on the southbound lane of Main Street, Durham, between Stations 167+30 and 171+00. View to the east.

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Picture 10: JTC collecting compaction data from the first 3" lift of asphalt as part of trench overcut paving activities on the southbound lane of Main Street, Durham, between Stations 167+30 and 171+00. View to the northeast.

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