

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	October 12, 2020
Location:	Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	177
Contractor:	Ludlow Construction	Page:	1 of 12

Weather Conditions

Conditions: Daylight hours: partly sunny. Winds variable 0-11 mph.
 Temperature (°F): High 55°F Low 48F

Contractors & Subcontractors Workforce				Equipment in Use			
Trade	#	x	hrs	Trade	#	x	hrs
USACE				Ludlow Construction			
Field Engineer	1	x	8	Superintendent	1	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
				Note that some persons			
DN Tanks				Multiple pieces equipment.			
Superintendent	1	x	8				
Laborers	5	x	8	Sub-contractor	3	X	8
				Municipal Police Detail	0	X	8
				State Police Detail	1	X	8

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks continued to wrap prestressed wire around the sides of the water tank, place shotcrete over exposed prestressed wire on the tank exterior and place concrete into the C.I.P. cove forms.

Ludlow excavated and paved trench cutbacks on the southbound lane of Main Street and the westbound lane of Route 147 at the intersection of Main Street and Route 147.

Ludlow contractor Veilleux saw cut curb stop cutbacks on the northbound lane of Main Street, Durham.

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/>

Res. Representative:

J. Meunier

Date: 10/12/20

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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 – Water tank construction, Shared Access Driveway, Middletown

DN Tanks continued to wrap prestressed wire around the sides of the water tank, placed shotcrete over exposed prestressed wire on the tank exterior, and placed concrete into the C.I.P cove forms.

0752: DN Tanks is wrapping prestressed wire around the exterior of water tank located to the east of the Shared Access Driveway, Middletown.

1053: DN Tanks continues to wrap prestressed wire around the exterior of the water tank located east of the Shared Access Driveway, Middletown.

1111: DN Tanks is loading knee braces onto a trailer for removal from the water tank work zone and is continuing to wrap prestressed wire around the exterior of the water tank.

1237: DN Tanks is working on securing the temporary manways into the water tank and preparing for a delivery of shotcrete to place over exposed prestressed wire that has been wrapped around the sides of the water tank.

1410: DN Tanks prepares to apply a truckload of shotcrete to the exterior of the water tank that has just arrived from Farmington Ready Mix.

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

Ludlow excavated and paved trench cutbacks on the southbound lane of Main Street and the westbound lane of Route 147 at the intersection of Main Street and Route 147.

0805: Ludlow is excavating pavement on the southbound lane of Main Street and the westbound lane of Route 147 at the intersection of Main Street and Route 147, Durham as part of trench permanent paving activities.

0930: Ludlow continues removing pavement and compacting the underlying 1.5" processed gravel on the southbound lane of Main Street and the westbound lane of Route 147 at the intersection of Main Street and Route 147, Durham.

1125: Ludlow has begun to place and compact the first of three 3" lifts of asphalt on the southbound lane of Main Street and the westbound lane of Route 147 at the intersection of Main Street and Route 147, Durham. Traffic control is being provided by one State Trooper, one private flagger, and one Ludlow laborer.

1150: JTC is preparing to collect compaction data from first lift of asphalt placed and compacted by Ludlow on the southbound lane of Main Street, Durham just north of the intersection with Route 147.

1154: Ludlow has begun to place and compact a second 3" lift of asphalt on Route 147 near the intersection of Main Street. The USACE field engineer questioned Ludlow regarding the fact that there didn't seem to be sufficient room between the top of existing pavement and the top of the first lift to accommodate two additional 3" lifts at the intersection of Route 147 and Main

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Street. Ludlow explained that this section of the trench acts as a ramp to assist trucks with entering the trench to deliver asphalt to the paver. Ludlow stated that this portion of the ramp is cut back each morning to where a full 9" of asphalt was encountered.

1328: Ludlow begins to place and compact a third lift of asphalt at the intersection of the westbound lane of Route 147 and the southbound lane of Main Street, Durham.

1400: Ludlow continues placing and compacting the third lift of asphalt at the intersection of Route 147 and the southbound lane of Main Street, Durham.

Daily Activities – Saw cutting pavement, Main Street, Durham

Ludlow subcontractor Veilleux saw cut curb stop cutbacks on the northbound lane of Main Street, Durham.

0812: Veilleux is saw cutting curb stop overcuts on the northbound lane in front of 281 Main Street, Durham.

0843: Veilleux continues to saw cut pavement on the northbound lane of Main Street, Durham.

1028: Veilleux is saw cutting on the northbound lane of Main Street near Station 185+00.

1219: Veilleux is saw cutting pavement for curb stop overcuts on the northbound lane of Main Street, Durham. Veilleux is currently working in front of 257 Main Street.

1259: Veilleux continues to saw cut pavement for curb stop overcuts on the northbound lane of Main Street, Durham.

1347: Veilleux is saw cutting on the northbound lane of Main Street, Durham, near Station 191+00.

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Picture 1: Prestressed wire that DN Tanks has wrapped around the exterior of the water tank located to the east of the Shared Access Driveway, Middletown. View to the east.

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Picture 2: DN Tanks demobilizing knee braces from the water tank work zone located to the east of the Shared Access Driveway, Middletown. View to the east.

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Picture 3: Concrete form for the C.I.P cove on the inside of the water tank with rebar set in place. Water tank work zone located to the east of the Shared Access Driveway, Middletown.

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Picture 4: Intersection of Main Street and Route 147, where Ludlow is placing and compacting first lift of asphalt. This is the location where the USACE field engineer questioned Ludlow regarding the thickness of placed asphalt. View to the southeast.

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Picture 5: JTC collecting compaction data from permanent paving at trench cutbacks at Station 163+60 on the southbound lane of Main Street, Durham. View to the northeast.

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Picture 6: Overview of Route 147 permanent paving on trench cutbacks. View to the southwest.

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Picture 7: Veilleux saw cutting curb stop cutbacks on the northbound lane of Main Street. View to the southeast.

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Picture 8: DN Tanks preparing to seal off a temporary entrance to the water tank. Water tank work zone located to the east of the Shared Access Driveway, Middletown.

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Picture 9: JTC preparing an air entrainment sample from a truckload of shotcrete that DN Tanks is about to apply to exposed prestressed wire on the exterior of the water. Water tank work zone located to the east of the Shared Access Driveway, Middletown.