

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	October 5, 2020
Location:	Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	172
Contractor:	Ludlow Construction	Page:	1 of 14

Weather Conditions

Conditions: Daylight hours: partly cloudy, raining. Winds variable 0-5 mph.
 Temperature (°F): High 69°F Low 51F

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	4	X	8
				Municipal Police Detail	0	X	8
				State Police Detail	1	X	8

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks applied shotcrete to prestressed wire that was previously wrapped around the water tank dome rim and the water tank sides at the water tank work zone located east of the Shared Access Driveway.

Ludlow excavated and paved trench cutbacks on Main Street, Durham from Stations 148+65 to 151+35.

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/>

Res. Representative:	J. Meunier	Date:	10/05/20
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Daily Activities – Water tank construction, Shared Access Driveway, Middletown

DN Tanks applied shotcrete to prestressed wire that was previously wrapped around the water tank dome rim and the water tank sides at the water tank work zone located east of the Shared Access Driveway.

0710: DN Tanks has mobilized to the water tank work zone and is preparing to apply shotcrete to the prestressed wire they wrapped around the water tank sides and dome rim. Wire has been wrapped from the top of the tank moving down; a little more than half of the tank sides has been wrapped so far. The dome rim has been wrapped twice.

0914: DN Tanks is waiting for the first of three trucks of shotcrete (each loaded with 5 yards of shotcrete) to arrive at 0930. JTC is present to collect samples.

0922: Two spots on the steel diaphragm have patches approximately 4" x 12" where previously-applied shotcrete has chipped away, revealing bare metal. Ludlow states that DN Tanks will cover the bare spots with shotcrete today.

0951: The first of 3 trucks of shotcrete arrive at site from CT Ready Mix. JTC is in the process of preparing an-air entrainment sample.

1020: DN Tanks begins to apply shotcrete to exposed prestressed wire on the sides of the water tank. They are also applying the shotcrete to the second layer of exposed prestressed wire on the tank's dome rim.

1119: A second truck of shotcrete is present at the water tank work zone as DN Tanks continues to apply shotcrete to the recently placed prestressed wire.

1159: A third truck of shotcrete from Farmington Ready Mix arrives to the water tank work zone as DN Tanks continues to apply shotcrete to the recently placed prestressed wire. No samples were collected from this truck by JTC.

1220: DN Tanks is also applying shotcrete to the section of wire between 58 feet and 67.5 feet that was previously covered with shotcrete.

1340: DN Tanks has finished applying shotcrete to the water tank today. This includes covering the two bare spots where the steel diaphragm was exposed.

Daily Activities – Permanent paving of trench cutbacks, S. Main Street, Middletown

Ludlow excavated and paved trench cutbacks on Main Street, Durham from Stations 148+65 to 151+35.

0717: Ludlow is resuming the removal of pavement for trench cutback permanent paving on the southbound lane of Main Street, starting at Station 148+65. One State Trooper and one private flagger are providing traffic management.

1032: JTC is present to collect compaction data from the asphalt that Ludlow will place and compact at the trench cutback paving work zone on the southbound lane of Main Street, Durham.

1141: Ludlow is placing and compacting first of three 3" lifts of asphalt between Stations 148+65 and 151+35.

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1254: Ludlow is applying the second of three 3" lifts of asphalt between Stations 148+65 and 151+35. JTC Is present waiting for to collect compaction data from the asphalt.

1319: Ludlow has just finished placing the second of three 3" lifts of asphalt between Stations 148+65 and 151+35.

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Picture 1: Water tank and the prestressed wire that has been wrapped around the sides of the tank. This is the tank before shotcrete was applied over the wire today. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the east.

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Picture 2: Ludlow stripping back asphalt as they prepare to place permanent paving on the southbound lane of Main Street, Durham from Stations 148+65 to 151+35. View to the southeast.

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Picture 3: Basket used for the collection of a sample of shotcrete. Water tank work zone, east of the Shared Access Driveway, Middletown.

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Picture 4: One of the two spots on the steel diaphragm where shotcrete has chipped away, revealing bare metal. DN Tanks later applied fresh shotcrete to these two areas. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the north.

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Picture 5: JTC preparing an air entrainment sample from the first of three trucks of shotcrete delivered to the water tank work zone located to the east of the Shared Access Driveway, Middletown. View to the east.

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Picture 6: The third of three trucks of shotcrete about to start transferring shotcrete into pumper/mixer. Water tank work zone located to the east of the Shared Access Driveway, Middletown. View to the east.

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Picture 7: DN Tanks applying shotcrete to the side of the water tank. Water tank work zone located to the east of the Shared Access Driveway, Middletown. View to the east.

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Picture 8: DN Tanks applying shotcrete to the dome rim of the water tank. Water tank work zone located to the east of the Shared Access Driveway, Middletown. View to the east.

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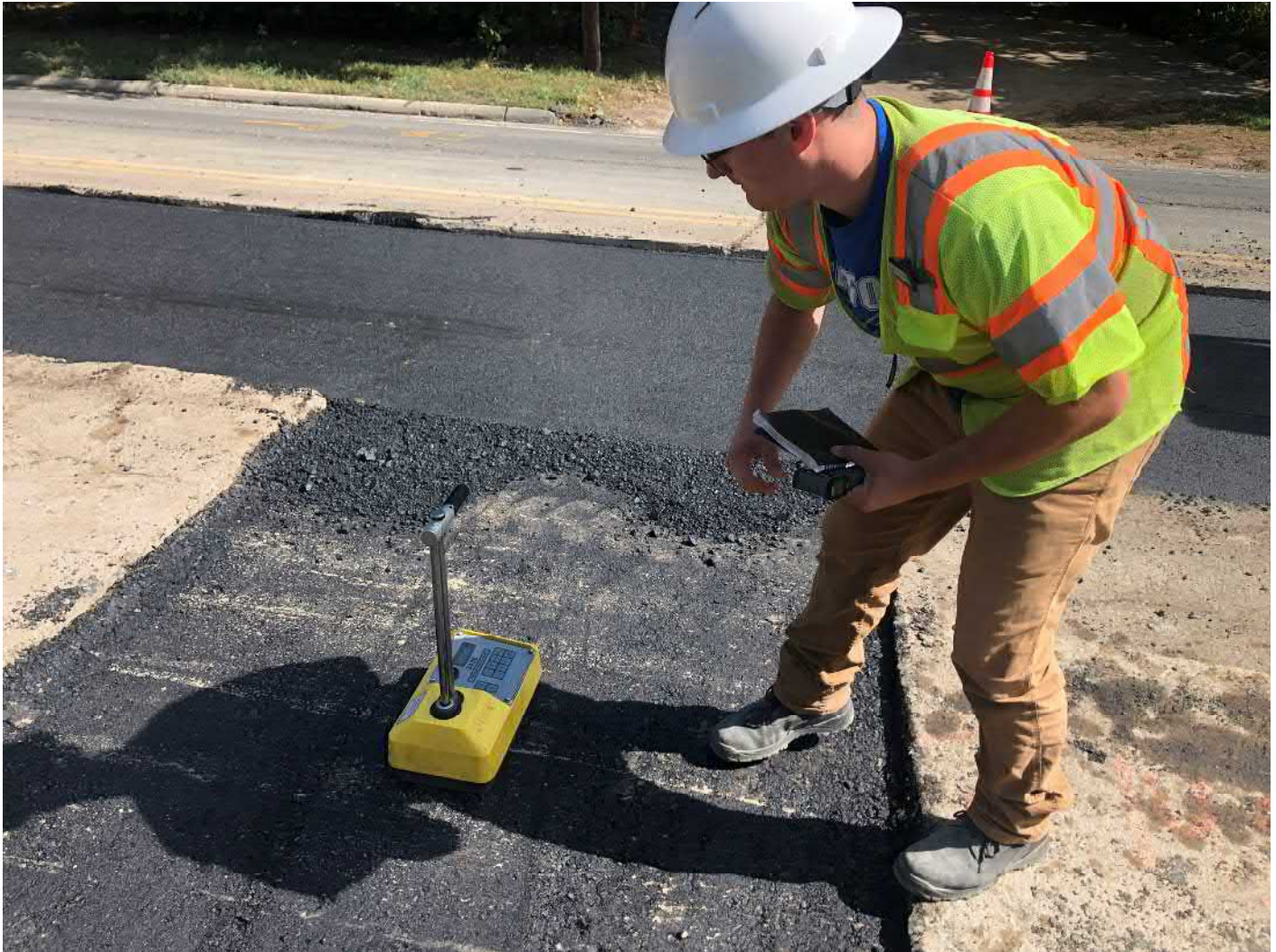
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Picture 9: Ludlow placing the second of three 3" lifts of asphalt as part of permanent paving activities on the southbound lane of Main Street, Durham from Stations 148+65to 151+35. View to the southeast.

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Picture 10: JTC collecting compaction data from the second of three 3" lifts of asphalt that Ludlow placed and compacted as part of permanent paving activities on the southbound lane of Main Street, Durham from Stations 148+65 to 151+35. View to the east.

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Picture 11: Overview of the water tank after DN Tanks applied shotcrete today. Water tank work zone located to the east of the Shared Access Driveway, Middletown. View to the east.

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