

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	September 14, 2020
		Day of Week:	Monday
Location:	Maple Avenue and Main Street, Durham; S. Main Street and the Shared Access Driveway, Middletown		
Project #:	AECOM: 6061487	Report No:	158
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Weather Conditions

Conditions: Daylight hours: Sunny. Winds variable 0-11 mph.
Temperature (°F): High 78°F Low 45F

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
Northeastern Steel				Dump truck Operator	4	x	8
Superintendent	0	x	8	Excavator Operator	4	x	8
Laborers	0	x	8	Skid Steer/Bucket Loader	1	x	8
				Laborers	6	x	8
				<i>Note that some persons</i>			
DN Tanks				<i>Multiple pieces equipment.</i>			
Superintendent	1	x	8				
Laborers	5	x	8	Sub-contractor	4	x	8
				Municipal Police Detail	0	x	8
				State Police Detail	2	x	8

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks continued to erect side panels on the water tank located east of the Shared Access Driveway.

Ludlow excavated and paved trench cutbacks on S. Main Street, Middletown from Stations 100+00 to 102+00.

Ludlow installed two 1" curb stops on Main Street, Durham at Stations 193+18 and 194+12, and another 1" curb stop on Haddam Quarter Road, Durham.

Ludlow subcontractor Veilleux saw cut trench overcuts on Main Street in Durham.

Ludlow filled and performed a preliminary pressure test the section of the waterline on Maple Avenue between Route 68 and Station~930+40.

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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 to erect side panels on the water tank located east of the Shared Access Driveway.

0710: DN Tanks has previously erected six of the water tank side panels at the water tank work zone located east of the Shared Access Driveway. DN Tanks is currently using the boom lift to bring materials to the top of the center tower. One of the DN Tanks laborers is attaching a knee brace to the inside of the narrow water tank side panel that has the overflow pipe attached to it.

0826: DN Tanks crane subcontractor Marino is moving counterweights in order to reposition the crane for the placement of water tank side panels on the west side of the water tank.

1131: DN Tanks crane subcontractor Marino has moved the crane from the east side of the tank to the west side of the tank.

1156: DN Tanks is preparing to lift the narrow water tank side panel with the overflow pipe attached to it for placement on the water tank base.

1254: Marino begins to lift the narrow side panel with the overflow pipe onto the water tank base.

1318: DN Tanks is securing the narrow water tank panel into place as Marino holds it in place.

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

Ludlow excavated and paved trench cutbacks on S. Main Street, Middletown from Stations 100+00 to 102+00.

0740: Ludlow begins to excavate the trench cutback on S. Main Street, Middletown, starting at Station 100+00. Ludlow is preparing to excavate 4" of asphalt and 5" of 1.5" processed gravel and replace it with three 3" lifts of asphalt. Traffic management is being provided by two private flaggers.

0846: Ludlow is compacting 1.5" processed gravel at the bottom of the asphalt cutback excavation on S. Main Street, Middletown as they prepare to place three separate 3" lifts of asphalt. The processed gravel is being compacted with a Volvo roller and a jumping jack.

0930: Ludlow is applying tack coat to the cut edges of pavement in preparation of the placement of the three lifts of asphalt on S. Main Street, Middletown.

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1035: Ludlow continues to excavate asphalt and compact 1.5" processed gravel on the trench cutback on S. Main Street in Middletown. Ludlow has removed asphalt from Stations 100+00 to 102+00 so far.

1046: Ludlow begins placing and compacting the first of three 3" lifts of asphalt at Station 100 on S. Main Street in Middletown. JTC is present to collect compaction data from the first and second lifts of compacted asphalt.

1205: Ludlow has placed a second 3" lift of asphalt from Station 100+00 to 100+50.

1212: JTC has just collected compaction data for the second lift of asphalt where Ludlow is repaving trench cutbacks

1334: Ludlow is compacting the third lift of asphalt on the trench cutback between Stations 100+00 and 102+00.

Daily Activities – Installation of curb stops, Durham

Ludlow installed two 1" curb stops on Main Street, Durham at Stations 193+18 and 194+12, and another 1" curb stop on Haddam Quarter Road, Durham.

0753: Ludlow is installing a 1" curb stop on Haddam Quarter Road, Durham that will bring service to 363 Main Street, Durham.

0759: Ludlow is installing a curb stop at Station 168+79 that will bring service to 357 Main Street, Durham.

0941: Ludlow has a curb stop installed for 363 Main Street, Durham on Haddam Quarter Road and has placed hot patch on the backfilled trench.

0958: Ludlow is installing a curb stop at Station 193+18 to provide service to 236 Main Street. Ludlow is currently using the pneumatic mole to advance a hole beneath the Town sidewalk for the placement of a 1" copper service line. Traffic management being provided by two state troopers.

1029: Ludlow has advanced a hole beneath the town sidewalk at Station 193+18 with the pneumatic mole. The curb stop is located 44' from the edge of pavement.

1111: Ludlow continues with the installation of curb stop at Station 193+18 for 236 Main Street, Durham.

1402: Ludlow has also installed a curb stop at Station 194+12 for 228R Main Street. The curb stop is located 45.75' from the edge of pavement.

Daily Activities – Saw cutting pavement, Main Street, Durham

Ludlow subcontractor Veilleux saw cut trench overcuts on Main Street in Durham.

0746: Ludlow subcontractor Veilleux continues to saw cut on S. Main Street, Middletown at Station ~137+00.

0938: Veilleux is saw cutting pavement on the southbound lane of Main Street, Durham near the intersection of Little Lane and Main Street.

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1014: Veilleux continues to saw cut pavement on the southbound lane of Main Street in Durham. They are currently working at Station 146+00. One Ludlow laborer and one State Trooper are providing traffic management.

1346: Veilleux continues to saw cut pavement on Main Street, where they have progressed as far as the intersection of Main

Daily Activities – Preliminary pressure testing, Maple Avenue, Durham

Ludlow filled and performed a preliminary pressure test the section of the waterline on Maple Avenue between Route 68 and Station~930+40.

11:02: Ludlow is filling the water line and performing a preliminary pressure test of the section of waterline on Maple Avenue between Route 68 and Station~930+40.

1350: Ludlow continues to perform a preliminary pressure test the section of the waterline on Maple Avenue between Route 68 and Station~930+40.

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Picture 1: DN Tanks using lift boom to bring materials to the top of the center tower. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the east.

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Picture 2: DN Tanks securing knee brace to narrow water tank side panel. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the southeast.

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Picture 3: Ludlow excavating for the installation of a curb stop on Haddam Quarter Road, servicing 363 Main Street, Durham. View to the east.

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Picture 4: Ludlow excavating for the installation of a curb stop at Station 168+79 that will bring service to 357 Main Street, Durham. View to the southeast.

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Picture 5: Ludlow compacting 1.5" processed gravel as they prepare to repave trench cutbacks on S. Main Street, Middletown. Station 100+00. View to the south.

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Picture 6: Ludlow installing a curb stop at Station 193+18 to provide service to 236 Main Street. Ludlow is using a pneumatic mole to advance a hole beneath the Town sidewalk for the placement of a 1" copper service line. View to the northeast.

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Picture 7: Ludlow applying tack coat to the edges of saw cut pavement as they prepare to repave trench cutbacks on S. Main Street, Middletown. View to the south.

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Picture 8: Ludlow placing the first of three 3" lifts of asphalt as they repave trench cutbacks on S. Main Street, Middletown. Station 100+00. View to the northeast.

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Picture 9: Ludlow compacting second of three 3" lifts of asphalt as they repave trench cutbacks on S. Main Street, Middletown. Station 100+00. View to the east.

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Picture 10: Marino lifting narrow water tank side panel into place for DN Tanks to secure it to the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the north.

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