

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	April 14, 2021
<b>Location:</b>	S. Main Street and the Shared Access Driveway, Middletown Main Street, Durham	<b>Day of Week:</b>	Wednesday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	221
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 16

### Weather Conditions

Conditions: Daylight hours: Sunny. Winds variable 0-12 mph.

Temperature (°F): High 70°F Low 45F

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	1	x	8
					Safety Officer	0	x	8	Excavator – Large	1	x	8
					Foreman	0	x	8	Excavator - Mid-Size	0	x	8
					Dump truck Operator	1	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	0	x	8	Rolling Compactor	1	x	8
					Laborers	1	X	8	Plate Compactor	0	x	8
					Note that some persons				Jumping Jack Compactor	0	x	8
Barnhart	3	x	8		Multiple pieces equipment.				Street Sweeper (Broce Broom)	0	x	8
United Concrete	4	x	8						Material Hopper	0	x	8
JMS	1	x	8		Sub-contractor	4	X	8	Pipe saw	0	x	8
CT Traffic Control	1	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

Ludlow performed permanent paving activities at Haddam Quarter Road in Durham. Ludlow subcontractor United Concrete worked on the altitude valve vault at the water tank work zone located east of the Shared Access Driveway, Middletown. Barnhart demobilized their crane from yesterday's lift of the altitude valve vault. Ludlow and subcontractor JMS Connections flushed and dechlorinated the water line on Main Street, Durham from 327 Main Street to the intersection with Old Cemetery Road.

### Compaction Testing

Soil compaction testing was not performed today. Compaction test data for soil, concrete, and asphalt can be found under the "Related Links" column on the righthand side of the page of the following link:

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

### Daily Activities – Permanent paving, Haddam Quarter Road, Durham

Ludlow performed permanent paving activities at Haddam Quarter Road in Durham.

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0833: Ludlow is saw cutting pavement for trench cutbacks and permanent paving on the north side of Haddam Quarter Road next to the intersection of Haddam Quarter Road and Main Street, Durham. The USACE spoke with Steve Wright of CTDOT about how far east of the intersection required a 12" cutback and 9" of asphalt placed on 3 lifts. It was determined that the requirement for permanent paving on state roads would apply up to 25' east of the intersection of Main Street and Haddam Quarter Road.

0943: Ludlow is stripping pavement away after they saw cut trench overcuts on the north side of Haddam Quarter Road near the intersection of Main Street. This was performed as part of permanent paving activities. Ludlow has a single private flagger providing traffic detail.

1100: Ludlow continues permanent paving activities on Haddam Quarter Road.

1136: Ludlow is applying tack coating to the cut edges of cut pavement as part of permanent paving activities at Haddam Quarter Road, Durham. Ludlow has just delivered a load of asphalt to the work zone.

1244: Ludlow has placed and compacted the first lift of asphalt on Haddam Quarter Road, Durham as part of permanent paving activities.

1303: Ludlow is waiting for more asphalt to be delivered to Haddam Quarter Road in Durham for the placement of additional lifts as they place permanent pavement.

1316: Ludlow arrives at Haddam Quarter Road, Durham, with another truckload asphalt.

1322: Ludlow begins the placement and compaction of a second lift of asphalt at Haddam Quarter Road, Durham.

1436: Ludlow is stripping pavement across Haddam Quarter Road, Durham, perpendicular to Rooster Liquors as they prepare for permanent paving activities on the trench for the curb stop that services Rooster Liquors.

### Daily Activities – Altitude valve vault, Shared Access Driveway, Middletown

Ludlow subcontractor United Concrete worked on the altitude valve vault at the water tank work zone located east of the Shared Access Driveway, Middletown. Barnhart demobilized their crane from yesterday's lift of the altitude valve vault.

0658: Barnhart is on site as they prepare to demobilize the crane and its counterweights at the water tank work zone located to the east of the Shared Access Driveway in Middletown.

0840: Barnhart is in the process of demobilizing the counterweights used on the crane yesterday during the placement of the altitude valve vault at the water tank work zone located east of the Shared Access Driveway in Middletown.

0859: United Concrete has four people working at the altitude valve vault, where they are preparing to mix and place grout that will be used to seal the two halves of the altitude vault.

0913: Barnhart continues to demobilize crane counterweights from the water tank work zone located east of the Shared Access Driveway in Middletown. Barnhart's crane is still on site.

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0929: United Concrete is applying Boa tape (the same Kevlar-based tape they used to join the bottom of the two halves of the altitude vault together yesterday) to the side seams between the two halves of the vault. United Concrete is also getting ready to apply grout to the altitude valve vault.

1110: Barnhart has finished demobilizing from the water tank work zone located to the east of the Shared Access Driveway.

1142: United Concrete is placing grout and rebar through the altitude valve vault lid to connect the lid to the top of the vault walls.

1339: United Concrete continues work on the altitude valve vault located east of the Shared Access Driveway, Middletown.

### Daily Activities – Dechlorination of water line, Main Street, Durham

Ludlow and subcontractor JMS Connections flushed and dechlorinated the water line on Main Street, Durham from 327 Main Street to the intersection with Old Cemetery Road.

1016: Ludlow and JMS are flushing water from the section of 16" DIP waterline that runs between 327 Main Street and Old Cemetery Road in Durham. The water is being treated with calcium thiosulphate and JMS is testing for any residual chlorine.

1122: Ludlow and JMS continue to flush and dechlorinate water from the section of 16" DIP waterline that runs between 327 Main Street and the intersection of Main Street and Old Cemetery Road in Durham.

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**Picture 1: View of the booster station footprint located at Station 750+63 in Middletown. The dewatering pumps were not operating at the time the picture was taken. View to the west.**



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**Picture 2: Grout that United Concrete will use on the side walls of the altitude valve vault walls. East of the Shared Access Driveway, Middletown.**

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Picture 3: Grout that United Concrete will use on the bottom sections of the altitude valve vault. East of the Shared Access Driveway, Middletown.

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**Picture 4: United Concrete applying Boa tape to the side joints of the altitude valve vault walls. East of the Shared Access Driveway, Middletown. View to the southwest.**

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Picture 5: Asphalt that Ludlow stripped away on Haddam Quarter Road, Durham, as part of permanent paving activities. View to the east.



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**Picture 6: Ludlow and JMS discharging water that they are flushing from the 16" DIP waterline from 327 Main Street to the intersection of Main Street and Old Cemetery Road, Durham. View to the south.**

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Picture 7: JMS is dechlorinating water that is being purged from the Main Street water line with calcium thiosulphate prior to discharging it and is testing the water frequently for residual chlorine.



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Picture 8: Ludlow placing tack coating on the cut edges of pavement as part of permanent paving activities on Haddam Quarter Road, Durham. View to the northeast.



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Picture 9: Ludlow placing the first lift of asphalt as part of permanent paving activities on Haddam Quarter Road, Durham. View to the southeast.



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**Picture 10: United Concrete cleaning away excess grout that was poured over the rebar sections that were secured with Hilti epoxy on the altitude valve vault located east of the Shared Access Driveway, Middletown.**

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Picture 11: Ludlow placing asphalt on trench overcut on Haddam Quarter Road in Durham as part of permanent paving activities. View to the east.



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Picture 12: Ludlow compacting asphalt on the trench overcut on Haddam Quarter Road in Durham as part of permanent paving activities. View to the north.

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Picture 13: Ludlow placing asphalt on the curb stop trench overcut on Haddam Quarter Road in Durham as part of permanent paving activities. Rooster Liquors visible in the rear. View to the southeast.