

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	April 13, 2021
Location:	S. Main Street and the Shared Access Driveway, Middletown	Day of Week:	Tuesday
Project #:	AECOM: 6061487	Report No:	220
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Weather Conditions

Conditions: Daylight hours: Sunny. Winds variable 0-6 mph.
 Temperature (°F): High 66°F Low 43F

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	5	x	8		Multiple pieces equipment.				Street Sweeper (Broce Broom)	0	x	8
United Concrete	4	x	8						Material Hopper	0	x	8
					Sub-contractor	0	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

Ludlow and its subcontractors installed the altitude valve vault at the water tank work zone located east of the Shared Access Driveway, Middletown. In addition, Ludlow continued to work on site preparation activities at the booster station located at Station 750+63 in Middletown.

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 – Booster Station, S. Main Street, Durham

Ludlow continued to work on site preparation activities at the booster station located at Station 750+63 in Middletown.

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0917: Ludlow continues with site preparation activities for the installation of the booster station at Station 750+63, Middletown. Ludlow has installed two dewatering wells at the southeast corner of the booster station footprint. The groundwater is being discharged into the adjacent woods through a piece of filter fabric, approximately 50 yards west of the booster station.

0922: Ludlow is continuing to excavate at the booster station footprint at Station 750+63 in Middletown.

1032: Ludlow continues to excavate and dewater at the booster station footprint at Station 750+63 in Middletown.

1402: Ludlow continues to work on site preparation activities at booster station located at Station 750+63 in Middletown.

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

Ludlow and its subcontractors installed the altitude valve vault at the water tank work zone located east of the Shared Access Driveway, Middletown.

0734: Ludlow is working at Station 750+63 in Middletown, excavating the footprint of the booster station.

0747: Ludlow crane subcontractor Barnhart is on site setting up the crane at the water tank work zone located east of the Shared Access Driveway in Middletown. Barnhart will be lifting the components of the altitude valve vault and placing it into the excavation that Ludlow made last week for the vault installation (the crane is from Marino, which is a division of Barnhart). United Concrete personnel are also present for the installation of the altitude valve vault.

0894: Ludlow conducts a safety meeting at the water tank work zone work prior to Barnhart lifting and placing the altitude valve vault.

0902: Barnhart begins to set up the crane and its counterweights at the water tank work zone located east of the Shared Access Driveway in Middletown.

0947: Barnhart continues to set up the crane and its counterweights at the water tank work zone located east of the Shared Access Driveway in Middletown.

1105: Barnhart arrives on site with additional counterweights that they will place on the crane.

1232: United Concrete delivers the first half of the altitude valve vault to the work tank work zone.

1301: Barnhart begins to lift the first half of the altitude valve vault off the flatbed and into the excavation east of the Shared Access Driveway.

1322: The second piece of the attitude valve vault is being delivered to the water tank work zone by United Concrete.

1345: The project team has just placed the second piece of the altitude valve vault into the excavation.

1406: United Concrete delivers the two roof panels of the altitude valve vault to the water tank work zone located east of the Shared Access Driveway in Middletown.

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1446: The field team continues to prepare for the placement of the two roof panels on the altitude valve vault located east of the Shared Access Road in Middletown.

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Picture 1: Two dewatering wells that Ludlow placed at the southeast corner of the booster station footprint.

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Picture 2: Overview of the booster station work zone at Station 750+63 in Middletown, looking to the southeast.

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Picture 3: Barnhart/Marino crane staged on the southwest side of the water tank located east of the Shared Access Driveway as they prepare to lift the pieces of the altitude valve vault as they prepare to install them. View to the east.

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Picture 4: Barnhart preparing the sling that will be used to hoist pieces of the altitude valve vault into place during the vault installation to the east of the Shared Access Driveway. View to the southeast.

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Picture 5: The project field team applying flexible flashing to the bottom of one of the two halves of the altitude valve vault. View to the south; east of the Shared Access Driveway, Middletown.

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Picture 6: Barnhart adding lift hardware to the lift sling that will be used to hoist pieces of the altitude valve vault into place during the vault installation to the east of the Shared Access Driveway. View to the southwest.

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Picture 7: Barnhart lifting the first of the two halves of the altitude valve vault as they prepare to lower it into the trench box. East of the Shared Access Driveway, Middletown. View to the southeast.

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Picture 8: The project field team fine-tuning the placement of the first of the two halves of the altitude valve vault east of the Shared Access Driveway, Middletown. View to the southeast.

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Picture 9: Barnhart lowering the second of the two halves of the altitude vault into place; east of the Shared Access Driveway, Middletown. View to the southeast.

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Picture 10: View of the altitude valve vault with both sections of the roof installed; east of the Shared Access Driveway, Middletown. View to the east.

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