

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	April 6, 2021
<b>Location:</b>	Main Street, Durham; Shared Access Driveway, Middletown	<b>Day of Week:</b>	Tuesday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	215
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 9

### Weather Conditions

Conditions: Daylight hours: Sunny. Winds variable 0-10 mph.

Temperature (°F): High 66°F Low 43F

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	0	x	8
				Foreman	0	x	8
				Dump truck Operator	1	x	8
				Excavator Operator	1	x	8
				Skid Steer/ Bucket Loader	0	x	8
				Laborers	1	X	8
				Note that some persons			
DN Tanks				Multiple pieces equipment.			
Superintendent	0	x	8				
Laborers	0	x	8	Sub-contractor	1	X	8
				Municipal Police Detail	0	X	8
				State Police Detail	0	X	8

Visitors: None.

### Pipe Connections, Installations, and Other Work

Ludlow flushed the 16" DIP water line on Main Street in Durham from Talcott Lane south to Old Cemetery Road. In addition, Ludlow performed excavation activities associated with the installation of an altitude valve vault located west of and proximal to the water tank, east of the Shared Access Driveway 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 – flushing of waterlines, Durham

Ludlow flushed the 16" DIP water line on Main Street in Durham from Talcott Lane south to Old Cemetery Road. Water was discharged to the storm drain located on the south side of the intersection of Main Street and Old Cemetery Road.

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### Daily Activities – Altitude Valve Vault, Shared Access Driveway, Middletown

0708: Ludlow has mobilized some slide rail components to the north side of the Shared Access Driveway. There are several pieces of yellow iron staged next to the water tank. No personnel are currently on site. Wattles are present along the south edge of the Shared Access Driveway immediately west of the water tank. A small amount of erosion (several 1"-3" deep rills) were observed on the south side of the Shared Access Driveway, immediately south of the wattles.

0755: Ludlow is cleaning up around the water tank located east of the Shared Access Driveway in Middletown. Waste concrete leftover from the construction of the water tank will be staged at the 281 Main Street, Durham property.

0810: USACE representative Kurt Mintell meets with Ludlow and AECOM in the site trailer to discuss upcoming work associated with the installation of the altitude valve vault. Mr. Mintell underscored the need to confirm the structure's dimensions and other QC concerns (pitch of the vault floor, thickness of the vault floor, etc.).

0837: Ludlow is placing slide rails together to form a trench box for the installation of altitude valve vault adjacent to and directly west of the water tank in Middletown.

1043: Ludlow has completed the placement of the slide rails to form a trench box in the altitude valve vault excavation.

1124: AECOM observed several areas along the silt fence to the south and east of the water tank that need to be repaired.

1231: Ludlow is backfilling around the slide rails for the altitude valve vault. Ludlow will place temporary fence around the altitude vault excavation before they leave the site today.

1247: Ludlow is compacting native earth at the bottom of the altitude valve vault excavation using a plate compactor.

1310: Ludlow is placing black geofabric on the bottom of the altitude valve vault excavation and has pinned it to the sides of the trench box using magnets.

1325: Ludlow has geofabric in place and is beginning to backfill the altitude valve vault excavation with 1' of ¾" stone.

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**Picture 1: Straw wattles that Ludlow placed for erosion control on the southern/upslope side of the Shared Access Driveway. View to the west.**

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**Picture 2: Minor erosion observed south of the straw wattles placed by Ludlow on the southern/upslope side of the Shared Access Driveway. View to the east.**



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**Picture 3: Waste concrete that was left at the water tank construction zone last year that Ludlow moved to the 281 Main Street, Durham property. View to the east.**

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Picture 4: Ludlow directing water purged from the 16" water line on Main Street from Talcott Lane to Cemetery Road, Durham. View to the south.



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**Picture 5: Trench box that Ludlow installed around the Altitude Valve Vault excavation, east of the Shared Access Driveway, Middletown. View to the south.**

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Picture 6: Ludlow compacting native earth at the bottom of the altitude valve vault excavation using a plate compactor. View to the south.

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**Picture 7: Ludlow placing ¾" stone on top of black geofabric at the bottom of the altitude valve vault excavation. View to the south.**

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