

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 19, 2021
Location:	S. Main Street and the Shared Access Driveway, Middletown	Day of Week:	Wednesday
Project #:	AECOM: 6061487	Report No:	246
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions			
Conditions:	Daylight hours: Sunny. Winds variable 0-9 mph.		
Temperature (°F):	High 54°F	Low	54°F

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	2	x	8
					Safety Officer	1	x	8	Excavator – Large	1	x	8
					Foreman	0	x	8	Excavator - Mid-Size	1	x	8
					Dump truck Operator	1	x	8	Excavator - Rubber Wheeled	1	x	8
					Excavator Operator	1	x	8	Skid Steer / Bucket Loader	0	x	8
					Skid Steer/Bucket Loader	1	x	8	Rolling Compactor	1	x	8
					Laborers	3	X	8	Plate Compactor	1	x	8
					Note that some persons				Jumping Jack Compactor	1	x	8
United Concrete	4	x	8		Multiple pieces equipment.				Street Sweeper (Broce Broom)	0	x	8
A&R Electrical	0	x	8						Material Hopper	0	x	8
JTC	0	x	8		Sub-contractor	2	X	8	Pipe saw	0	x	8
CT Traffic Control	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

Barnhart and United Concrete installed the trough at the booster station footprint located at Station 750+63 in Middletown. Ludlow placed and compacted fill on the north and south side of the trough. United Concrete continued the installation of electrical conduits and wiring at the altitude valve vault located east of the Shared Access Driveway in Middletown. Ludlow installed silt fence around the water meter building work zone located at Station ~124+80 and began to clear the site with an excavator. A&R Electric finished the installation of conduits northeast of the the electrical enclosure located next to the pressure reducing valve vault at ~Station 161+40. In addition, A&R Electric installed a copper ground line coming off the electrical enclosure.

Daily Activities – Booster station work zone, S. Main Street, Middletown

Barnhart and United Concrete installed the trough at the booster station footprint located at Station 750+63 South Main Street, in Middletown. Ludlow placed and compacted fill on the north and south side of the trough.

0705: Ludlow and United Concrete are mobilizing to the booster station work zone ahead of today's installation of the booster station trough.

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0718: Barnhart has delivered a Demag AC 300 crane to the booster station work zone. A police officer from the City of Middletown is present to provide traffic management.

0741: Ludlow is excavating additional soil to the northwest of the booster station footprint to provide additional room to stage the crane for today's lift.

0923: Barnhart continues with crane staging activities on the north side of the booster station footprint for today's lift.

1031: Barnhart and United Concrete are setting the trough inside of the booster station footprint.

1042: It was determined that the placement of the trough was slightly off its mark. Barnhart has lifted the trough from the booster station footprint. Ludlow is in the process of refining the grade of the fill at the bottom of the footprint by hand.

1058: Barnhart starts to lift the trough and set it in the booster station footprint for the second time.

1111: It was again determined that the placement of the trough was slightly off its mark. Barnhart is lifting the trough from the booster station footprint so Ludlow can further refine the grade of the fill at the bottom of the footprint.

1220: Barnhart has lifted the booster station trough into place for the final time. United Concrete is drilling into the sides of the trough and the frost wall (from the interior) in order to attach brackets that will connect the frost wall to the trough.

1306: United Concrete continues to drill into the sides of the frost wall from the interior in order to attach brackets that will connect the frost wall to the trough.

1443: Ludlow begins to place and compact fill on either side of the trough that was placed today at the booster station footprint. Ludlow is filling in 1' lifts and are compacting with a jumping jack.

Daily Activities – Water tank work zone, Shared Access Driveway, Middletown

United Concrete continued the installation of electrical conduits and wiring at the altitude valve vault located east of the Shared Access Driveway in Middletown.

0658: United Concrete has resumed the installation of electrical conduits at the altitude valve vault located east of the Shared Access Driveway in Middletown.

1151: United Concrete continues with the installation of electrical conduits at the altitude valve vault located east of the Shared Access Driveway in Middletown.

Daily Activities – Water meter building work zone, S. Main Street, Middletown

Ludlow installed silt fence around the water meter building work zone located at Station ~124+80 South Main Street and began to clear and level the site with an excavator.

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0716: Ludlow is mobilizing at the water meter building work zone located at ~Station 124+80 to begin placing silt fencing and to begin land preparation for the placement of the water meter building.

0751: Ludlow is preparing to clear and level the water meter building work zone with an excavator. A police officer from the City of Middletown is present to provide traffic management.

0842: Ludlow is installing silt fence around the water meter building work zone located at Station ~124+80 in Middletown.

1025: Ludlow continues to install silt fence at the water meter building work zone located at Station ~124+80 in Middletown.

1125: Ludlow has begun clearing and grading the water meter building work zone located at Station ~124+80 in Middletown.

1212: Ludlow continues the installation of silt fence, and continues clearing and grading activities at the water meter building work zone located at Station ~124+80 in Middletown.

1351: Ludlow has finished silt fence installation at the water meter building work zone located at Station ~124+80 in Middletown. Ludlow continues clearing and grading activities at the work zone.

Daily Activities – Pressure reducing vault, Main Street, Durham

A&R Electric finished the installation of conduits between the electrical enclosure located next to the pressure reducing vault and the future power source. In addition, they installed a copper ground line coming off of the electrical enclosure.

0755: A&R Electric is working at the pressure reducing vault located at ~Station 161+40 in Durham to install electrical conduits and wiring.

1012: A&R Electrical continues working at the pressure reducing vault located at ~Station 161+40 in Durham to install electrical conduits and wiring.

1139: A&R Electrical continues working at the pressure reducing vault located at ~Station 161+40 in Durham to install electrical conduits and wiring.

1202: A&R Electrical continues working at the pressure reducing vault located at ~Station 161+40 in Durham to install electrical conduits and wiring.

1504: A&R Electrical finished installing the ground line for the electrical enclosure next to the pressure reducing vault and the conduits between the enclosure and the power sweeps used for the conduit are 4" diameter rigid galvanized steel. The trenches made for the placement of the conduits and the copper ground line have not been backfilled yet. Ludlow is currently placing snow fence around the trench for safety purposes.

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Picture 1: Ludlow installing silt fence at the water meter building work zone located at ~Station 124+80. S. Main Street, Middletown. View to the north.

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Picture 2: Geofabric placed under a catch basin grate next to the water meter building work zone located at ~Station 124+80. S. Main Street, Middletown. View to the northwest.

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Picture 3: Barnhart lowering the trough into the booster station footprint at Station 750+63 in Middletown. View to the west/southwest.

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Picture 4: Ludlow clearing and grading at the water meter building work zone located at ~Station 124+80. S. Main Street, Middletown. View to the southeast.

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Picture 5: View of the trough after it was placed inside the booster station footprint. Station 750+63, Middletown. View to the east/northeast.

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Picture 6: Another view of the trough after placement inside the booster station footprint. Station 750+63, Middletown. View to the east/southeast.

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Picture 7: View of where piping that arrived within the trough is connected to the vertical section of 8" DIP located on the interior of the eastern frost wall of the booster station. Station 750+63, Middletown. View to east/southeast.

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Picture 8: Overview of progress at the pressure reducing vault, where A&R Electric installed PVC conduits with steel sweeps. ~Station 161+40, Main Street, Durham. View to the east.

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Picture 9: Metal brackets that United Concrete installed that connect the booster station frost wall to the trough they placed today.

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Picture 10: Ludlow compacting fill on the north side of the trough at the booster station footprint. View to the east.

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