

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	April 16, 2020
Location:	Main Street, Water tank, Durham & Middletown, CT	Day of Week:	Thursday
Project #:	AECOM: 6061487	Report No:	59
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions

Conditions: Daylight hours. Snow in morning; partly cloudy, winds variable 0-12 mph.
Temperature (°F): High 48°F Low 31°F

Contractors & Subcontractors Workforce				Equipment in Use			
Trade	#	x	hrs	Trade	#	x	hrs
USACE				Ludlow Construction			
Field Engineer	2	x	8	Superintendent	0	x	8
				Safety Officer	1	x	8
				Foreman	2	x	8
				Dump truck Operator	4	x	8
				Excavator Operator	4	x	8
				Skid Steer/Bucket Loader Op.	1	x	8
				Laborers	6	x	8
				<i>Note that some persons operate</i>			
				<i>Multiple pieces equipment.</i>			
				Sub-contractor	2	x	4
				Middletown Police Dept.	0	x	8
				Police Officer Detail	2	x	8

Type	#	x	hrs
Concrete/Asphalt Road Saw	1	x	8
Dump truck	5	x	8
Excavator – Large	3	x	8
Excavator - Mid-Size	1	x	8
Excavator - Rubber Wheeled – Rock Hammer	0	x	8
Skid Steer / Bucket Loader	1	x	8
Rolling Compactor	1	x	8
Plate Compactor	1	x	8
Jumping Jack Compactor	1	x	8
Street Sweeper (Broce Broom)	1	x	8
Material Hopper	0	x	8
Pipe saw	1	x	8
Light Tower	0	x	8

Visitors: NONE.

Notes:

Pipe Connections and Installations: Ludlow was observed to have placed 60' of 20" DIP (water tank access road), a hydrant assembly (Station 118+98) and a manual water main drain (Station 137+73).

Update on yesterday's quantities: Of the 197' of 20" DIP placed on the tank access road, 60' were placed with restrained fittings and 137' were placed with unrestrained fittings. Ludlow has not provided additional updates to yesterday's quantities at this time.

Compaction Testing: None.

Additional data: The hydrant assembly that was installed at Station 118+98 on 4-15-20 was moved further back from the edge of the road today.

Daily Activities

0720: Arrive on site. Ludlow currently moving the hydrant that was installed yesterday at Station 118+98 further back from the edge of the road.

0735: Ludlow ascending the slope to the tank pad; continuing to place 20" DIP. The excavator is encountering rock now but is able to dig through it.

Res. Representative: J. Meunier **Date:** 4/16/20

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0755: Ludlow has moved the hydrant assembly at Station 118+98. Pumper nozzle is now 30" off edge of pavement.

08 10: Ludlow excavating at Station 128+50 to install a fire hydrant assembly. The location of the hydrant was marked with stake prior to excavation.

0830: Ludlow daylights previously installed valve assembly at Station 128+50 that comes off of waterline located under the southbound lane of Main Street.

0920: Ludlow backfilling around installed hydrant assembly at Station 128+50.

1000: Ludlow is staged at Station 137+73 to install a manual water main drain.

1040: Ludlow begins excavation at Station 137+73. Water is observed at 10.5 feet below surface grade.

1048: Ludlow installing a silt sock in the catch basin adjacent to Station 137+73.

1100: Ludlow setting up to pump water out of excavation at Station 137+73 into the adjacent catch basin.

1108: Ludlow has excavated to target depth and is placing 3/4" gravel in the bottom of the excavation.

1118: Ludlow has deployed a second pump into the excavation and is directing pumped water into the adjacent catch basin. There is a moderate amount of water in the excavation: it is flowing in from all sides and appears to be groundwater.

1130: Ludlow places bottom section of the manual water main drain into the excavation and onto the 3/4" gravel that was just placed. Geofabric was not installed around the gravel as called for on sheet C-502.

1145: Ludlow installing 6" DIP to connect the manual water main drain to the valve box.

1155: Ludlow using Chemseal gaskets to seal all sections of the manual water main drain to each other.

1254: Manual water main drain has been placed. 6" DIP connects it to the valve box. Ludlow is backfilling around the manual water main drain with three-quarter inch gravel and sand.

1302: Ludlow continuing to place 20" DIP On the tank access road.

Payment Items:

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Picture 1: Ludlow placing 20" DIP at the tank access road; approaching the tank pad. View to the northwest.

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Picture 2: Blocks placed beneath hydrant assembly at Station 128+50.

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Picture 3: Lower section of Manual Water Main Drain that was installed at Station 137+73.

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Picture 4: Upper sections of Manual Water Main Drain that was installed at Station 137+73.

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Picture 5: Water observed in the excavation at Station 137+73.

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Picture 6: Ludlow pumping water from excavation at Station 137+73 into adjoining catch basin.

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Picture 7: Valve box exposed by excavation activities at Station 137+73. View to the east.

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Picture 8: Lower portion of the Manual Water Main Drain being placed. View to the west.

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Picture 9: 6" DIP being placed to connect the lower portion of the Manual Water Main Drain to the valve box.

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Picture 10: Chemseal gasket placed along the top rim of the lower portion of the Manual Water Main Drain.

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Picture 11: Compacting soil around the Manual Water Main Drain. View to the south.