

Daily Report

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| Project: | Durham Meadows Pipeline Installation | Date: | April 7, 2020 |
| Location: | Packinghouse Hill Road, Water tank, Durham & Middletown, CT | Day of Week: | Tuesday |
| Project #: | AECOM: 6061487 | Report No: | 55 |
| Contractor: | Ludlow Construction | Page: | 1 of 13 |

Weather Conditions

Conditions: Daylight hours. Sunny, winds variable 0-10 mph.
Temperature (°F): High 63°F Low 43°F

| Contractors & Subcontractors Workforce | | | | | | | | Equipment in Use | | | | | | | |
|--|--|---|---|-----|--------------------------------|--|---|------------------|-----|--|--|---|---|-----|--|
| Trade | | # | x | hrs | Trade | | # | x | hrs | Type | | # | x | hrs | |
| USACE | | | | | Ludlow Construction | | | | | Concrete/Asphalt Road Saw | | 1 | x | 8 | |
| Field Engineer | | 1 | x | 8 | Superintendent | | 0 | x | 8 | Dump truck | | 5 | x | 8 | |
| | | | | | Safety Officer | | 1 | x | 8 | Excavator – Large | | 3 | x | 8 | |
| | | | | | Foreman | | 2 | x | 8 | Excavator - Mid-Size | | 1 | x | 8 | |
| | | | | | Dump truck Operator | | 4 | x | 8 | Excavator - Rubber Wheeled – Rock Hammer | | 0 | x | 8 | |
| | | | | | Excavator Operator | | 3 | x | 8 | Skid Steer / Bucket Loader | | 1 | x | 8 | |
| | | | | | Skid Steer/Bucket Loader Op. | | 1 | x | 8 | Rolling Compactor | | 1 | x | 8 | |
| | | | | | Laborers | | 6 | x | 8 | Plate Compactor | | 1 | x | 8 | |
| | | | | | Note that some persons operate | | | | | Jumping Jack Compactor | | 1 | x | 8 | |
| | | | | | Multiple pieces equipment. | | | | | Street Sweeper (Broce Broom) | | 1 | x | 8 | |
| | | | | | | | | | | Material Hopper | | 0 | x | 8 | |
| | | | | | Sub-contractor | | 1 | x | 4 | Pipe saw | | 1 | x | 8 | |
| | | | | | Dump truck Operator | | 1 | x | 8 | Light Tower | | 0 | x | 8 | |
| | | | | | Middletown Police Dept. | | | | | | | | | | |
| | | | | | Police Officer Detail | | 2 | x | 8 | | | | | | |

Visitors: NONE

Notes:

Pipe Connections: Ludlow was observed to have placed 200' of 20" DIP (water tank access road) and 40.25' of 8" DIP (Station 108+50. All pipe installed today was restrained. Final quantities will be reported in the Daily Report for 4-8-20.

Update on yesterday's quantities: Ludlow reports having placed the following on 4-6-20: 20' of 16" DIP (restrained); 80' of saw cutting on state road; 17.02 yards of bank run gravel; one hydrant assembly.

Compaction Testing: No compaction tests performed today.

Other: Ludlow saw-cutting subcontractor was on site today, operating on Main Street.

Daily Activities

0730: Arrive at Site. One Ludlow crew is working at Station 108+50, opening up a trench across South Main St, Route 17 southbound.

0745: A second Ludlow crew is placing 20" DIP at the water tank access road. There are three laborers, one excavator operator, and one dump truck/driver. Ludlow is currently placing the first 20' section of 20" DIP. Final quantity of 20" pipe placed on the tank access road is 120 feet.

Res. Representative:

J. Meunier

Date: 4/7/20

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0745: The crew at Station 108+50 is excavating through asphalt and reinforced concrete in the southbound lane of South Main Street. Two Middletown police officers are on detail providing traffic control. Ludlow has three dump trucks lined up to haul away spoils.

0800: Ludlow has excavated down to approximately 7' below surface grade, where 3-4 inches of water is visible. Ludlow is pumping the water out of the excavation and down the western-most edge of Main Street through ¾" gravel and filter fabric. In speaking with one of the Ludlow laborers, he said that the source of the water in this excavation is from the valve that they are connecting pipe to this morning. The valve was installed last year. It was suspected to be leaking when Ludlow performed pressure testing of the line last week. Apparently the valve wasn't closed completely last year when it was installed. Ludlow tightened the valve.

0813: Ludlow using pneumatic hammer on a Volvo EW170 excavator to bust up rock at the bottom of the trench at Station 108+50. A second excavator (Volvo ECR145D) is being used to perform excavation.

0832: A Ludlow laborer and a saw cutting subcontractor are working on the southbound side of Main Street in Durham precutting pavement, just north of the intersection of Haddam Quarter Road.

0900: Ludlow has placed a ~9.5' section of 8" DIP at Station 108+50 to the formerly unseated valve. A valve box is placed on top of valve stem extension that was placed on top of the 8" valve.

0930: Ludlow moves to the northbound side of South Main Street, excavating towards the east side of South Main Street (towards a feature labelled "grassy path" on the top of Sheet C11). The excavation footprint had been previously saw cut; Ludlow is currently using a pneumatic hammer to bust up asphalt and concrete up before excavating and placing into dump trucks.

1040: Ludlow resumes excavating across northbound side of South Main Street. They have encountered more rock at the bottom of the trench and are using the pneumatic hammer to break it up.

1055: Water observed in bottom of the excavation. Ludlow has daylighted the high-pressure gas line located beneath the northbound lane of South Main Street. Ludlow is performing additional pressure testing on previously installed water main on Main Street in Middletown.

1120: Two excavators (CAT 314C and a CAT 336E) with operators, two laborers, two dump trucks with drivers, and one front end loader with operator comprise the work crew at the tank access road. They have placed another 120 feet of restrained 20" DIP so far today.

1152: Ludlow pumping water out of excavation at Station 108+50. Water is 7 feet below surface grade.

1215: Ludlow places 11.25' section of 8" DIP, connecting it to the ~9.5' section of 8" DIP they placed earlier today.

1244: Ludlow removes the 11.25' section of 8" DIP they just placed and are replacing it with a full 20 foot stick of 8" DIP. There was some sort of issue in making a restrained connection to the ~9.5' section of 8" DIP with the 11.25' section of 8" DIP.

1320: Ludlow places a 10.25' section of 8" DIP to the 20' section they just placed.

1344: Ludlow is finishing up at the tank access road. They installed a total of 200 feet of 20" DIP; 80' of which was unrestrained.

1355: Ludlow is closing up the trench at Station 108+50.

1405: The third Ludlow crew continues to saw cut on Main Street Durham (southbound lane).

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Payment Items:

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Picture 1: Water observed in excavation at Station 108+50 South Main Street. The valve assembly that turned out to be the source of the water can be seen at the top of the photograph. View to the west.

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Picture 2: Ludlow using hammer to break up rock that was encountered while excavating. View to the southeast.

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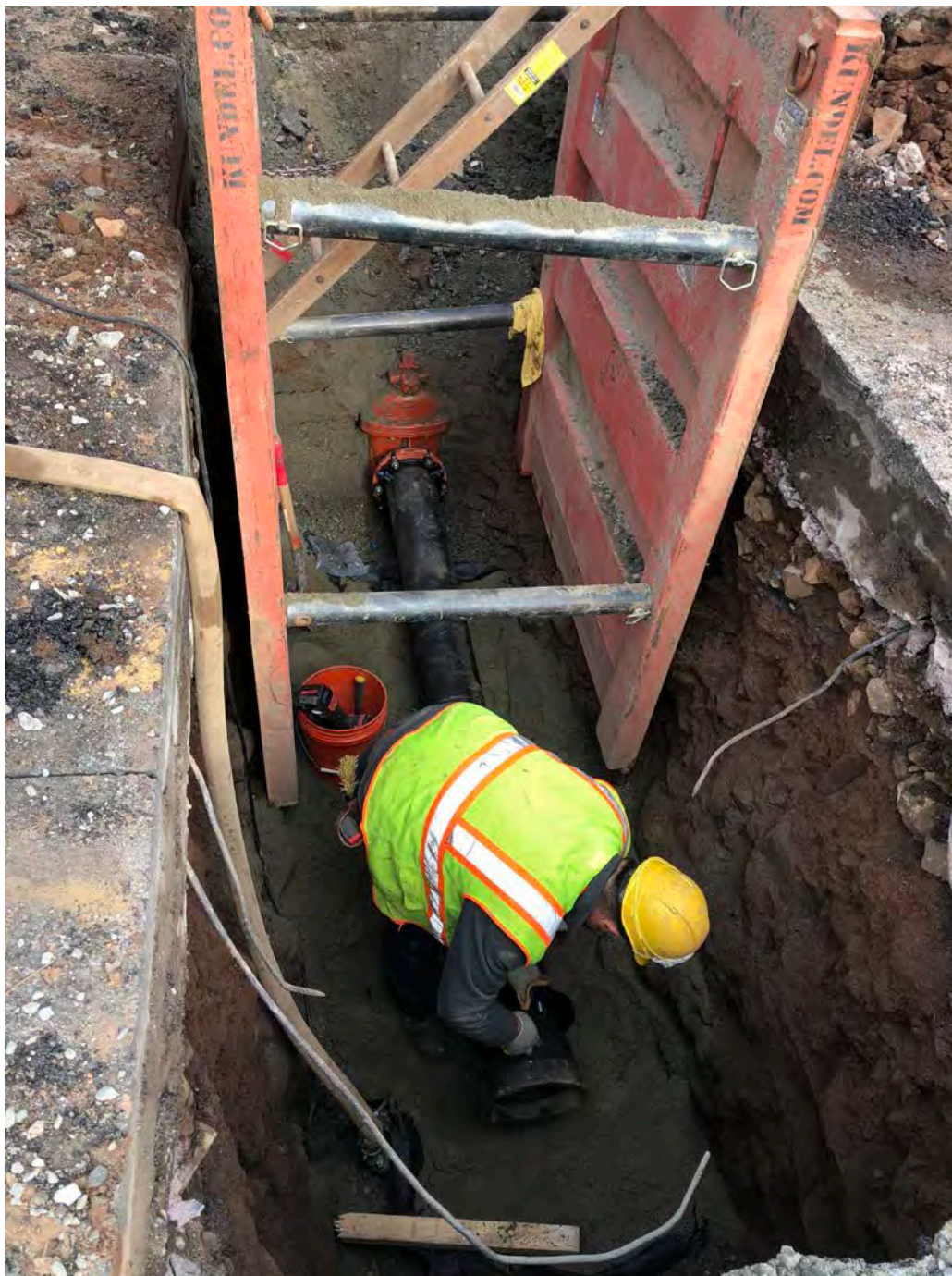


Picture 3: Water and rock encountered while excavating at Station 108+50 South Main St.

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Picture 4: Section of 8" DIP connected to previously installed valve assembly at Station 108+50. View to the west.

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Picture 5: Hydrant with pressure gauge attached to it for pressure testing water line on South Main Street in Middletown.

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Picture 6: Storm water culvert that crosses the tank access road. View to the east.

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Picture 7: Overview of clearing and grading activities at the tank access road. One of the three storm water culverts extended by Ludlow is visible in the foreground of the photograph. View to the south.

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Picture 8: One of three storm water culverts extended by Ludlow; located on the east side of the tank access road. View to the east.

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Picture 9: The second of three storm water culverts extended by Ludlow; located on the east side of the tank access road. View to the east.

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Picture 10: The third of three storm water culverts extended by Ludlow; located on the east side of the tank access road. View to the east.

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