

Daily Report

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|--------------------|--|---------------------|--------------|
| Project: | Durham Meadows Pipeline Installation | Date: | May 12, 2020 |
| Location: | Main Street, Durham and shared access road, Middletown, CT | Day of Week: | Tuesday |
| Project #: | AECOM: 6061487 | Report No: | 76 |
| Contractor: | Ludlow Construction | Page: | 1 of 10 |

Weather Conditions

Conditions: Daylight hours. Sunny-cloudy. Winds variable 0-10 mph.
Temperature (°F): High 58°F Low 36°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 | 1 | x | 8 |
| | | | | Laborers | 6 | x | 8 |
| | | | | <i>Note that some persons</i> | | | |
| | | | | <i>Multiple pieces equipment.</i> | | | |
| | | | | | | | |
| | | | | Sub-contractor | 1 | x | 8 |
| | | | | Middletown Police Detail | 0 | x | 8 |
| | | | | State Police 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 | 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: Jose Torres, CTDOT

Pipe Connections and Installations

Ludlow placed 16" DIP from Station 186+85 to Station 189+28, with a corporation stops at Stations 186+98, 187+28, 187+64.5, 188+26, and 188+63; and a hydrant assembly at Station 187+44.

Ludlow filled and graded north and south of the shared access driveway today and placed erosion control fabric on the north side of the road.

Ludlow continued with the placement of 12" DIP today on Pickett Lane between Stations 503+00 and 504+15.5. In addition to placing pipe, Ludlow installed a 12"x12"x4" M.J. TEE with 4" M.J. R.S. gate valve and gate box at Station 503+70, a 12"x12"x8" TEE with 8" M.J. R.S. gate valve and gate box at Station 503+77, a hydrant assembly (16"x6" M.J. C.L.D.I. hydrant TEE with a 6" M.J. gate valve and gate box) at Station 503+92, and a 12" butterfly valve assembly (12" M.J. R.S. gate valve, valve box, and a 12" M.J.D.I. plug) at Station 503+98.

Compaction Testing

Compaction testing was performed today. Soil compaction test data can be found here:

<https://www.nae.usace.army.mil/Portals/74/docs/Topics/DurhamMeadowsWaterline/CompactionTests/>

Res. Representative: J. Meunier **Date:** 5/12/20

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| Contractor: | Ludlow Construction | Page: | 2 of 10 |

In addition, soil compaction data is presented in the Contractor Daily Quality Control Reports located here:

<https://www.nae.usace.army.mil/Missions/Projects-Topics/Durham-Meadows-Water-Lines-Project/>

Additional Data

None

Daily Activities – Pressure Testing

Pressure testing was not performed today.

Daily Activities – Shared Access Road

Ludlow filled and graded north and south of the shared access driveway today and placed erosion control fabric on the north side of the road.

0735: Ludlow placing jute erosion control cloth on the northern side of the shared access driveway.

1110: Ludlow placing in grading fill on the south side of the shared access driveway at ~ Station 11+00.

1308: Ludlow continuing to fill and grade the shared access road driveway of the driveway for 214 Talcott Ridge Drive. In addition, they have filled and graded to the south of the shared access driveway from approximately Station 13+00 to Station 10+00. The areas to the north of the shared access driveway that Ludlow filled and graded have been stabilized with jute erosion control cloth. Ludlow is also beginning to fill and grade at the top of the hill where the water tank will be constructed.

Daily Activities – Pickett Lane

Pickett Lane staging areas were inspected. No significant changes in the placement or amount of equipment and materials was noted. Ludlow continued to place 12" DIP on Pickett Lane.

0820: Ludlow resumes work on Pickett Lane at Station 503+00.

0938: Ludlow has utilities daylighted at Station 503+50. There are two conduits of 4" PVC and an 8" clay pipe that runs beneath the PVC conduits. The clay pipe was broken in the process of excavation. Ludlow prepares to fix the broken pipe with a section of schedule 80 PVC and two Fernco boots.

1040: Ludlow places a 20' section of 12" DIP.

1150: Ludlow placing a 12"x12"x4" M.J. TEE 12"x12"x4" M.J. TEE with a 4" M.J. R.S. gate valve and gate box at Station 503+70. Ludlow also placing a 12"x12"x8" TEE With 8" M.J. R.S. gate valve and gate box at Station 503+77.

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| Location: | Main Street, Durham and shared access road, Middletown, CT | Day of Week: | Tuesday |
| Project #: | AECOM: 6061487 | Report No: | 76 |
| Contractor: | Ludlow Construction | Page: | 3 of 10 |

1330: Ludlow has shifted the placement of the hydrant assembly (16"x6" M.J. C.L.D.I. hydrant TEE with a 6" M.J. gate valve and gate box) on Pickett Lane from Station 503+87 to ~Station 503+92 to avoid a conflict with electric lines that cross the trench at ~ Station 503+85. Ludlow is currently placing a 12" butterfly valve assembly (12" M.J. R.S. gate valve, valve box, and a 12" M.J.D.I. plug) at Station 503+98. Ludlow ends the placement of pipe on Pickett Lane at Station 504+15.5.

Daily Activities – Main Street, Durham

Ludlow continued placing 16" DIP today on the southbound lane of Main Street. Traffic detail was provided by CT State Police.

0710: Ludlow setting up on Main Street. Work will resume at Station 186+85. Two state troopers are providing traffic detail.

0810: JTC has arrived on site to perform soil compaction testing.

0840: Ludlow hammering rock at ~ Station 187+20. Corporation stops have been placed at 186+98 and 187+28.

0920: Ludlow has 16" DIP placed up to 187+66 with a corporation stop at 187+64.5.

1135: Ludlow has placed 16" DIP up to Station 188+80.

1239: Ludlow has stopped placing pipe for the day on Main Street at Station 189+28. They are currently placing and compacting fill in the trench, getting ready for the placement of hot patch. A corporation stop has been placed at Station 189+19.

1320: Jose Torres from CTDOT arrives at the Main Street work zone.

Payment Items:

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| | | | |
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| Location: | Main Street, Durham and shared access road, Middletown, CT | Day of Week: | Tuesday |
| Project #: | AECOM: 6061487 | Report No: | 76 |
| Contractor: | Ludlow Construction | Page: | 4 of 10 |



Picture 1: Ludlow placing jute erosion control cloth on the north side of the shared access road at ~Station 14+40. View to the west. Middletown, CT.

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| | | | |
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| Contractor: | Ludlow Construction | Page: | 5 of 10 |



Picture 2: Close-up of jute erosion control cloth that Ludlow is placing north of the shared access road. Middletown, CT.

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| Project #: | AECOM: 6061487 | Report No: | 76 |
| Contractor: | Ludlow Construction | Page: | 6 of 10 |



Picture 3: Ludlow placing 12" DIP. View to the southeast. Pickett Lane, Durham, CT.

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| | | | |
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| Project #: | AECOM: 6061487 | Report No: | 76 |
| Contractor: | Ludlow Construction | Page: | 7 of 10 |



Picture 4: 12"x12"x4" M.J. TEE with 4" M.J. R.S. gate valve and gate box that Ludlow installed at Station 503+70 and a 12"x12"x8" TEE with 8" M.J. R.S. gate valve and gate box that Ludlow installed at Station 503+77. Pickett Lane, Durham, CT.

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| Contractor: | Ludlow Construction | Page: | 8 of 10 |



Picture 5: Utilities daylighted at Station 503+50: two conduits of 4" PVC and an 8" clay pipe beneath the PVC that was damaged during excavation. Durham, CT.

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| Contractor: | Ludlow Construction | Page: | 9 of 10 |



Picture 6: Overview of progress at the shared access driveway. View to the east from ~Station 15+00. Durham, CT.

Daily Report

| | | | |
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| Contractor: | Ludlow Construction | Page: | 10 of 10 |



Picture 7: Overview of progress on the shared access driveway from ~10+00. View to the west. Middletown, CT.