

Daily Report

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|--------------------|--------------------------------------|---------------------|---------------|
| Project: | Durham Meadows Pipeline Installation | Date: | July 10, 2020 |
| Location: | Pickett Lane and Main Street, Durham | Day of Week: | Friday |
| Project #: | AECOM: 6061487 | Report No: | 117 |
| Contractor: | Ludlow Construction | Page: | 1 of 10 |

Weather Conditions

Conditions: Daylight hours. Partly sunny. Winds variable 0-5 mph.

Temperature (°F): High 81°F Low 72°F

| Contractors & Subcontractors Workforce | | | | | Equipment in Use | | | | | | | |
|--|---|---|-----|--|-----------------------------------|---|---|-----|-----------------------------------|---|---|----|
| Trade | # | x | hrs | | Trade | # | x | hrs | Type | # | x | hr |
| 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 | 0 | x | 8 |
| | | | | | Excavator Operator | 4 | x | 8 | Skid Steer / Bucket Loader | 1 | x | 8 |
| | | | | | Skid Steer/Bucket Loader | 1 | x | 8 | Rolling Compactor | 1 | x | 8 |
| | | | | | Laborers | 6 | X | 8 | Plate Compactor | 1 | x | 8 |
| | | | | | <i>Note that some persons</i> | | | | Jumping Jack Compactor | 1 | x | 8 |
| | | | | | <i>Multiple pieces equipment.</i> | | | | Street Sweeper (Broce Broom) | 1 | x | 8 |
| | | | | | | | | | Material Hopper | 1 | x | 8 |
| | | | | | Sub-contractor | 0 | X | 8 | Pipe saw | 1 | x | 8 |
| | | | | | Municipal Police Detail | 0 | X | 8 | Light Tower | 0 | x | 8 |
| | | | | | State Police Detail | 2 | X | 8 | | | | |

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow continued work on the stream crossing on Pickett Lane at Station ~511+00.

Ludlow installed curb stops today on the east side of Main Street today at Stations 157+85, 158+79, and 159+90.

Compaction Testing

Soil compaction testing was not performed today. Compaction test data for the project can be found here:

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

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/>

Res. Representative: J. Meunier

Date: 7/10/20

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Daily Activities – Stream Crossing, Pickett Lane, Durham

Ludlow continued work on the stream crossing on Pickett Lane at Station ~511+00.

0705: Ludlow continues to excavate on the west bank of Allyn Brook in order to continue placing 12" DIP. They are currently daylighting the western side of the last section of 12" DIP that was previously installed. Traffic control is currently provided by one Ludlow laborer.

0753: Ludlow is installing a 45° bend to the west of Allyn Brook, attaching it to a 7' section of 12" DIP they installed before this morning.

0908: Ludlow has installed an 8'3" section of 12" DIP to the 45° bend they just installed to the west of Allyn Brook. Ludlow then installs another 45° bend.

0918: Ludlow attaches a 6' section of 12" DIP to the 45 degree bend they just installed.

0929: Ludlow attaches an 18' section of 12" DIP to the 6' section of 12" DIP they just installed.

0935: Ludlow uses a 4' section of 12" DIP as a bridge between the 18' section they just installed and the end of the 12" DIP coming off of Pickett Lane that was installed yesterday. 12" Megalug collars were used to make restrained connections.

1050: Ludlow continues to backfill the trench on west side of Allyn Brook

1144: Ludlow is replacing a concrete riser that they broke yesterday on existing storm drain located approximately 60 feet west of Allyn Brook (and about 10' west of the newly-installed DIP). Ludlow is also replacing a valve at Station 509+21 that Ludlow accidentally broke a nut off of yesterday.

1217: Ludlow continues to replace the broken valve at Station 509+21.

1248: Ludlow is grading area to the west of Allyn Brook where DIP was installed today.

1343: Ludlow has almost finished cleaning and securing the work zones flanking the stream crossing at Station ~511+00.

Daily Activities – Installation of Curb Stops, Durham

Ludlow installed curb stops today on the east side of Main Street at Stations 157+85, 158+79, and 159+90.

0731: Ludlow is installing a curb stop at Station 157+85 for 413 Main Street. The curb stop will be set back 17' from the edge of pavement. Traffic control is being provided by two State Troopers. 0820: Ludlow continues to install a curb stop at Station 157+85.

0845: Ludlow is excavating on the northbound lane of Main Street at Station 158+79 to install a curb stop for 407 Main Street. The curb stop will be set back 18.5' from edge of pavement.

1001: Ludlow has installed a curb stop at Station 158+79 and is currently backfilling the trench.

1127: Ludlow is starting to excavate on the east side of Main Street (northbound lane) at Station 159+90 for curb stop installation

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for 397 Main Street. The curb stop will be set back 14' from pavement.

1155: Ludlow continues to install a curb stop at Station 159+90.

1321: Ludlow starts to place and roll hot patch on the three trenches on Main Street.

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Picture 1: Ludlow installing 12" DIP to the west of Allyn Brook. Pickett Lane, Durham. View to the west.

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Picture 2: Ludlow installing 12" 45° bend to the west of Allyn Brook. Pickett Lane, Durham. View to the west.

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Picture 3: Ludlow installing 12" DIP to the west of Allyn Brook. Pickett Lane, Durham. View to the south.

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Picture 4: Signage place on the sidewalk near the stream crossing work zone on Pickett Lane at Station ~509+10. View to the east.

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Picture 5: Existing storm drainage structures daylighted by Ludlow while working on the west bank of Allyn Brook. Ludlow accidentally broke the riser that was located here. View to the southwest. Pickett Lane, Durham.

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Picture 6: Riser that Ludlow is about to install to replace the one they accidentally broke yesterday on the west side of Allyn Brook.

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Picture 7: Replacement riser that Ludlow installed to replace the one they broke yesterday on the west bank of Allyn Brook. View to the southwest. Pickett Lane, Durham.