

Daily Report

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|--------------------|--------------------------------------|---------------------|---------------|
| Project: | Durham Meadows Pipeline Installation | Date: | July 20, 2022 |
| Location: | Pickett Lane and Maiden Lane, Durham | Day of Week: | Wednesday |
| Project #: | AECOM: 6061487 | Report No: | 471 |
| Contractor: | Ludlow Construction | Page: | 1 of 13 |

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| Weather Conditions | | | |
| Conditions: | Daylight hours: Sunny. Wind variable 0-7 mph. | | |
| Temperature (°F): | High 95°F | Low | 70°F |

| Contractors & Subcontractors Workforce | | | | Equipment in Use | | | |
|--|---|---|-----|--------------------------------|---|---|-----|
| Trade | # | x | hrs | Trade | # | X | hrs |
| USACE | | | | Ludlow Construction | | | |
| Field Engineer | 1 | x | 8 | Superintendent | 0 | X | 8 |
| | | | | Safety Officer | 1 | X | 8 |
| KTM Electrical | 0 | x | 8 | Foreman | 1 | X | 8 |
| West State Mechanical | 0 | x | 8 | Dump truck Operator | 1 | X | 8 |
| A&J Construction | 0 | x | 8 | Excavator Operator | 1 | X | 8 |
| Grela Well Drilling | 0 | X | 8 | Skid Steer/Bucket Loader | 1 | X | 8 |
| Fazzino Plumbing | 0 | X | 8 | Laborers | 2 | X | 8 |
| United Concrete | 0 | x | 8 | Note that some persons operate | | | |
| Knapp Engineering | 1 | x | 8 | Multiple pieces equipment. | | | |
| Apuzzo Electric | 0 | x | 8 | | | | |
| Alarm Systems, Inc. | 0 | x | 8 | Sub-contractor | 1 | X | 8 |
| A&R Electrical | 0 | x | 8 | Municipal Police Detail | 0 | X | 8 |
| | | | | State Police Detail | 0 | X | 8 |

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow continued the installation of 8" DIP at the Coginchaug Regional High School in Durham. Ludlow performed pressure tests on the 4" DIP water service line they recently installed at Station 529+64 on Pickett Lane, and the copper water service line they installed at the 114 Maiden Lane, Durham, property.

Daily Activities – installation of water services, Pickett Lane, Durham

Ludlow continued the installation of 8" DIP at the Coginchaug Regional High School in Durham.

0700: Ludlow has mobilized back to the Coginchaug Regional High School to continue the installation of water service lines.

0732: Ludlow has removed asphalt from the footprint of the trench they will be excavating on the northbound lane of the access road located on the west side of the CRHS, working north towards the existing water line vaults.

0753: Ludlow begins to excavate northwards on the northbound lane of the access road located on the west side of the CRHS, working north towards the existing water line vaults as they prepare to install 8" DIP.

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| Res. Representative: | J. Meunier | Date: | 7/20/22 |
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0821: Ludlow has daylighted an 18" RCP drain line ~4'-5' below surface grade as they continue to excavate on the northbound lane of the access road located on the west side of the CRHS, working north towards the existing water line vaults as they prepare to install 8" DIP.

0839: Ludlow continuous excavating to the north towards the existing water line vaults as they prepare to install 8" DIP.

0900: Ludlow has begun to install 8" DIP on the northbound lane of the access road located on the west side of the CRHS.

0926: Ludlow has installed another 20' section of 8" DIP on the northbound lane of the access road located on the west side of the CRHS. The DIP is being placed on a bed of sand and was covered with sand followed by caution tape. Ludlow is currently placing native fill over the caution tape and sand.

0954: Ludlow continues to excavate northwards towards the water line vault

1026: Ludlow is setting up to pressure test the 4" DIP waterline located at Station 529+64.

1040: Ludlow has installed DIP up to the eastern curb on the northbound lane of the access road located on the west side of CRHS. Ludlow has installed a 22° DIP bend on the end of the last section of 8" DIP they installed as they work towards the existing water line vaults.

1245: Ludlow is in the process of placing a 20' section of 8" DIP beneath the curb located on the east side of the northbound lane of the access road located on the west side of CRHS, working towards the water line vaults.

1311: Ludlow has installed 8" DIP to within ~30 feet from the water line vaults. Ludlow accidentally poked a small hole in an existing 4" waterline while excavating for the installation of 8" DIP. Ludlow will place a stainless steel/rubber "band aid" onto the damaged pipe. Ludlow is currently backfilling over 8" DIP that they have already installed, using native material.

1402: Ludlow has repaired the section of 4" DIP that they damaged while excavating for the installation of 8" DIP.

1433: Ludlow has finished installing pipe for the day at the CRHS. Ludlow is securing the trench with steel plates.

1439: Ludlow is cleaning up the access road located on the west side of the CRHS with a Broce Broom. Ludlow is getting ready to depart the work zone.

Daily Activities – Other

Ludlow performed pressure tests on the 4" DIP water service line they recently installed at Station 529+64 on Pickett Lane, and the copper water service line they installed at the 114 Maiden Lane, Durham, property.

0845: Ludlow is pressure testing the copper water service line they installed at the 114 Maiden Lane, Durham, property.

0928: Ludlow finishes the pressure test they performed on the waterline they installed at the 114 Maiden Lane property. The line maintained a static pressure of 76 PSI for an hour.

1212: Ludlow starts a pressure test on the 4" DIP waterline located at Station 529+64 with a starting pressure of 150 PSI.

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1415: Ludlow finished the pressure test they were conducting on the 4" DIP waterline located at Station 529+64. The line held a pressure of 150 PSI.

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Picture 1: Pressure gauge showing a static pressure of 76 PSI that Ludlow applied to the copper water service line they installed at the 114 Maiden Lane, Durham, property.

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Picture 2: Ludlow backfilling over 8" DIP with native fill on the northbound lane of the access road located on the west side of the CRHS in Durham. View to the southwest.

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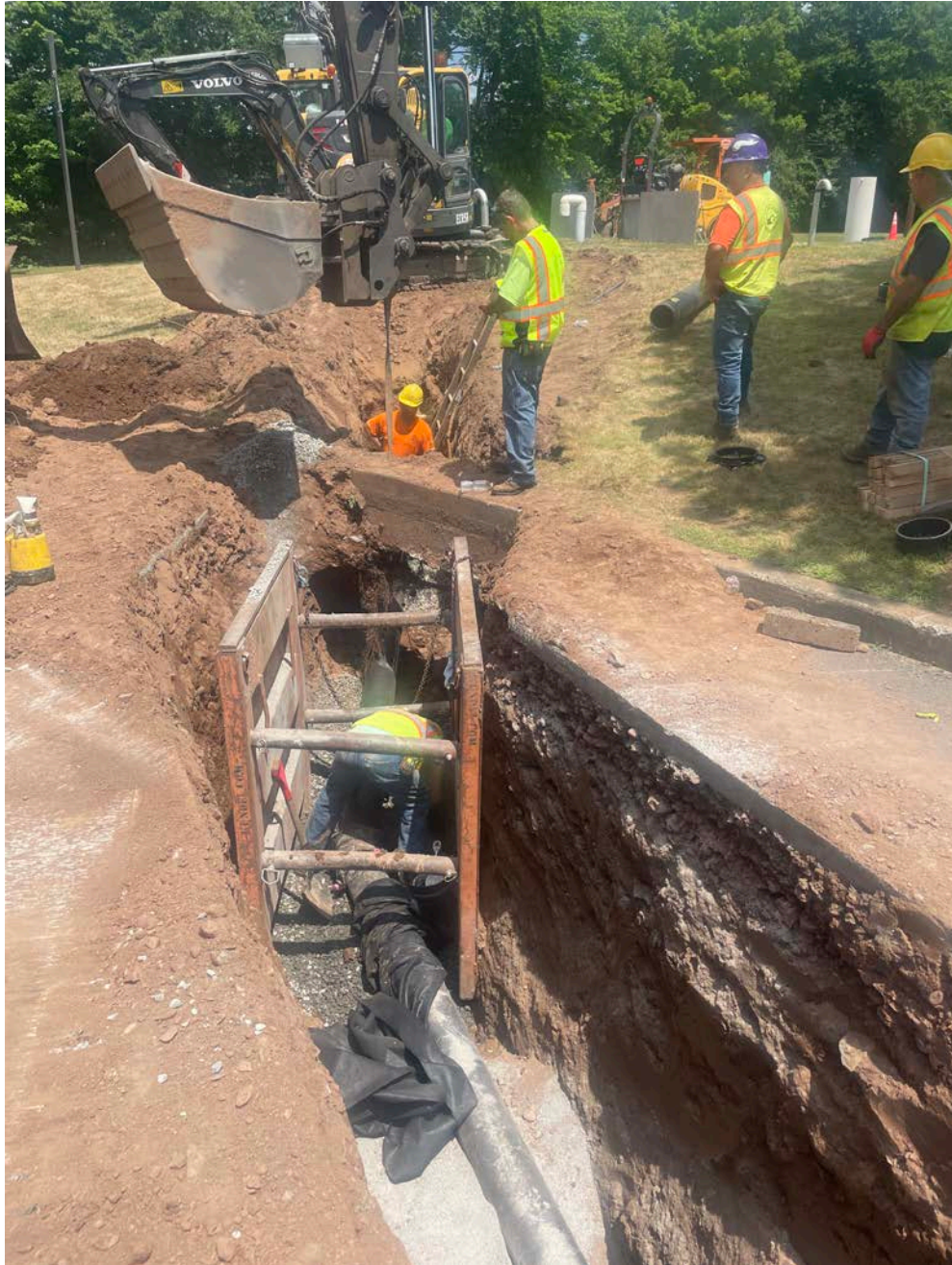
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Picture 3: Ludlow excavating to the southwest of the existing water line vaults at the CRHS as they continue to install 8" DIP. View to the northwest.

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Picture 4: Ludlow connecting sections of 8" DIP together as they work towards the existing water line vaults located at the CRHS. View to the east.

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Picture 5: Ludlow compacting fill that they backfilled over the 8" DIP water line they are installing on the northbound lane of the access road located on the west side of the CRHS. View to the northwest.

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Picture 6: Two PVC conduits and 4" DIP that Ludlow daylighted as they install 8" DIP at the CRHS, about 25' southwest of the existing water line vaults. Ludlow accidentally poked a hole in the 4" DIP, which is where the water in the bottom of the trench came from.

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Picture 7: The repair that Ludlow made to the 4" DIP that they accidentally poked a hole into while excavating for the installation of 8" DIP. View to the east.

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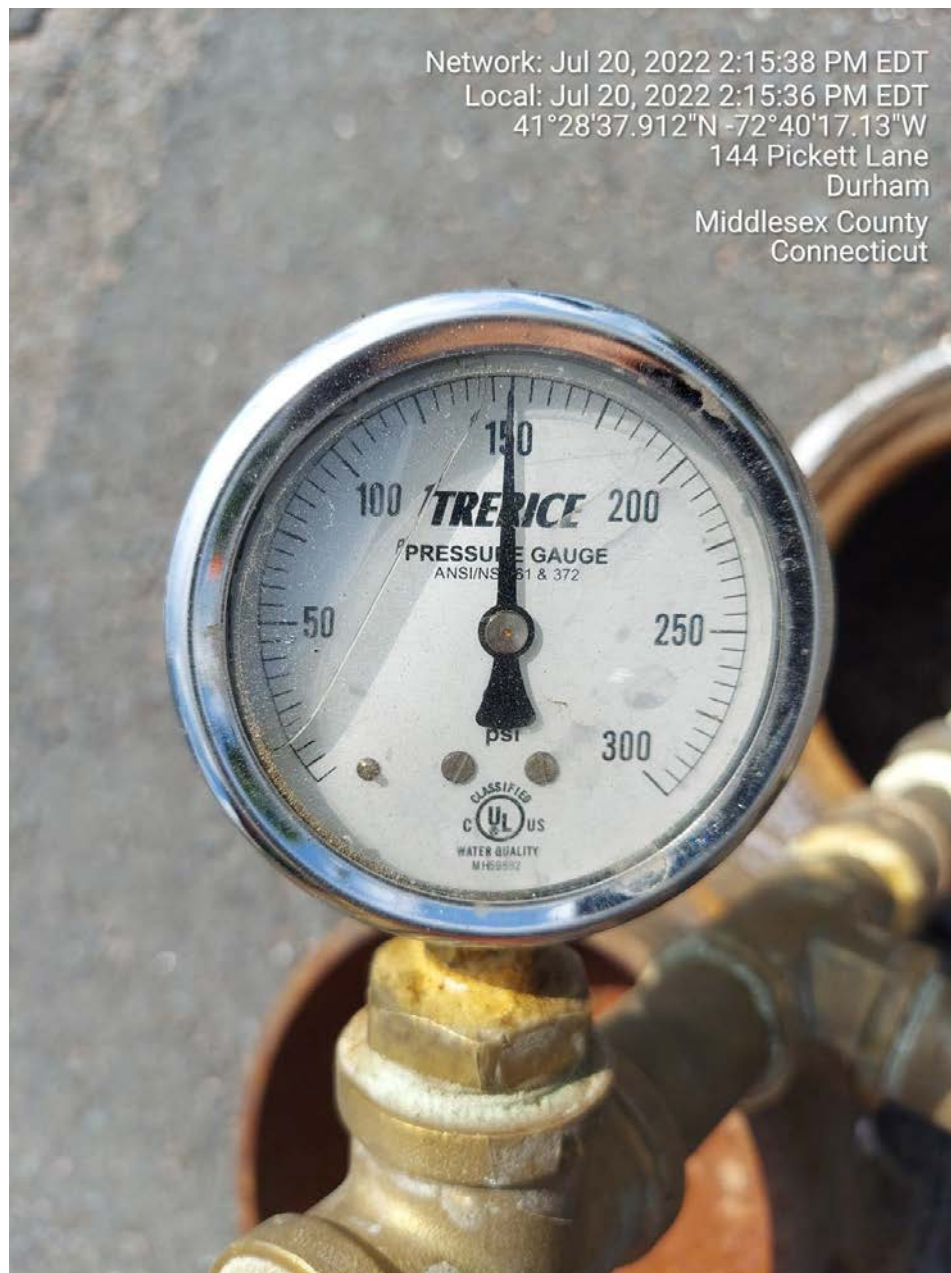
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Picture 8: Ludlow's work zone at the CRHS after they secured the trench with steel plates and several pieces of equipment. View to the northwest.

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Picture 9: Starting pressure on the 4" DIP water line that Ludlow pressure tested today at Station 529+64.

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Picture 10: End pressure on the 4" DIP water line that Ludlow pressure tested today at Station 529+64.