

Daily Report

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|--------------------|--|---------------------|-------------------|
| Project: | Durham Meadows Pipeline Installation | Date: | September 1, 2020 |
| Location: | Maple Avenue and Main Street, Durham, the Shared Access Driveway, Middletown | Day of Week: | Tuesday |
| Project #: | AECOM: 6061487 | Report No: | 150 |
| Contractor: | Ludlow Construction | Page: | 1 of 11 |

Weather Conditions

Conditions: Daylight hours. Sunny. Winds variable 0-4 mph.
Temperature (°F): High 78°F Low 64°F

| Contractors & Subcontractors Workforce | | | | Equipment in Use | | | |
|--|---|---|-----|-----------------------------------|---|---|-----|
| Trade | # | x | hrs | Trade | # | x | hrs |
| USACE | | | | Ludlow Construction | | | |
| Field Engineer | 2 | x | 8 | Superintendent | 1 | x | 8 |
| | | | | Safety Officer | 1 | x | 8 |
| | | | | Foreman | 2 | x | 8 |
| Northeastern Steel | | | | Dump truck Operator | 4 | x | 8 |
| Superintendent | 0 | x | 8 | Excavator Operator | 4 | x | 8 |
| Laborers | 0 | X | 8 | Skid Steer/ Bucket Loader | 1 | x | 8 |
| | | | | Laborers | 6 | X | 8 |
| | | | | <i>Note that some persons</i> | | | |
| DN Tanks | | | | <i>Multiple pieces equipment.</i> | | | |
| Superintendent | 1 | x | 8 | | | | |
| Laborers | 5 | x | 8 | Sub-contractor | 3 | X | 8 |
| | | | | Municipal Police Detail | 1 | X | 8 |
| | | | | State Police Detail | 2 | X | 8 |

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks continued to erect a center tower of scaffolding on the center of the water tank base and poured concrete on both the wide and narrow water tank side panel forms.

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 928+80 to 925+77. This includes the installation of curb stops at Stations 927+90.5, 927+91.5, and 926+74.5, and a hydrant assembly (8"x8"x6" M.J. C.L.D.I. hydrant TEE with a 6" M.J. gate valve and gate box) at Station 926+04.

Ludlow contractor Veilleux Concrete Cutting Co. overcut the pavement along the patched trench associated with the installation of the main water line on S. Main Street in Middletown for permanent paving from Station 100+00 to 109+80.

Ludlow installed curb stops at Station 206+36 (168 Main Street, Durham), Station 206+58 (167 Main Street, Durham), and Station 205+55.

Res. Representative:

J. Meunier

Date: 9/1/20

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Compaction Testing

Soil compaction testing was 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/>

Daily Activities – Water Tank Construction, Shared Access Driveway, Middletown

DN Tanks continued to erect a center tower of scaffolding on the center of the water tank base and poured concrete on both the wide and narrow water tank side panel forms.

0700: DN Tanks awaits the arrival of a cement truck to begin pouring the wide and narrow side panel forms for the water tank.

1219: DN Tanks is attaching guide wires to the center tower of scaffolding on the water tank base.

Daily Activities – Installation of 8" DIP, Maple Avenue, Durham

Ludlow installed 8" DIP on Maple Avenue, Durham from Stations 928+80 to 925+77. This includes the installation of curb stops at Stations 927+90.5, 927+91.5, and 926+74.5, and a hydrant assembly (8"x8"x6" M.J. C.L.D.I. hydrant TEE with a 6" M.J. gate valve and gate box) at Station 926+04.

0710: Ludlow is staging at Station 928+80 on Maple Avenue, Durham to resume the installation of 8" DIP.

1145: Ludlow continues to install 8" DIP on Maple Avenue. They have progressed as far as Station 927+00. This includes the installation of curb stops at Stations 927+86 and 927+92 (187 Maple Avenue and 188 Maple Avenue, respectively).

1231: Ludlow continues to install 8" DIP on Maple Avenue. They have progressed as far as Station 926+50. This includes the installation of a curb stop at Station 926+74 (184 Maple Avenue).

1322: Ludlow continues to install 8" DIP on Maple Avenue. They have progressed as far as Station 926+00. This includes the installation of a hydrant assembly (8"x8"x6" M.J. C.L.D.I. hydrant TEE with a 6" M.J. gate valve and gate box) at Station 926+04.

1347: Ludlow finishes the installation of 8" DIP on Maple Avenue for the day at Station 925+77.

Daily Activities – Saw cutting of Pavement, S. Main Street, Middletown

Ludlow contractor Veilleux Concrete Cutting Co. overcut the pavement along the patched trench associated with the installation of the main water line on S. Main Street in Middletown for permanent paving from Station 100+00 to 109+80.

1159: Ludlow subcontractor Veilleux is currently saw cutting on the southbound lane of S. Main Street, Middletown for the day.

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1355: Ludlow subcontractor Veilleux has finished saw cutting on the southbound lane of S. Main Street, Middletown for the day. Veilleux overcut the east side of water line trench patch from Stations 100+00 to 109+80.

Daily Activities – Installation of curb stops, Main Street, Durham

Ludlow installed curb stops at Station 206+36 (168 Main Street, Durham), Station 206+58 (167 Main Street, Durham), and Station 205+55.

0722: Ludlow has begun excavating a trench for the installation of a curb stop at Station 206+36 (168 Main Street, Durham).

1211: Ludlow continues to install a curb stop at Stations 206+58 and 206+36 for 167 and 168 Main Street, respectively. Ludlow is currently installing a curb stop at Station 205+55.

1306: Ludlow has finished installing curb stops at Stations 206+58 and 206+36 for 167 and 168 Main Street, respectively. Ludlow is currently installing a curb stop at Station 205+55.

1410: Ludlow has finished with curb stop installations on Main Street, Durham today. Ludlow is currently cleaning up the work zone with a Broce Broom.

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Picture 1: The narrow side panel form for the water tank, having been poured earlier in the day. Poly sheeting has been placed over the setting concrete. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the west.

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Picture 2: Foam padding after having been glued into place along the outer perimeter of the PVC water stop yesterday on the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown.

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Picture 3: The wide side panel form for the water tank with a manway cast into it; poured earlier in the day. Water tank work zone, east of the Shared Access Driveway, Middletown.

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Picture 4: One of the center tower guidewires temporarily bolted to the water tank base. Water tank work zone, east of the Shared Access Driveway, Middletown.

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Picture 5: Ludlow compacting fill in the trench on Maple Avenue, Durham after the installation of 8" DIP. View to the northeast.

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Picture 6: Ludlow installing a curb stop at Station 205+55, Main Street, Durham. View to the west.

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Picture 7: DN Tanks continuing to erect the center tower on the base of the water tank. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the east.

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Picture 8: DN Tanks installing one of the center tower guidewires on the base of the water tank. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the southeast.