

Daily Report

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|--------------------|--------------------------------------|---------------------|-------------------|
| Project: | Durham Meadows Pipeline Installation | Date: | December 04, 2020 |
| Location: | Main Street, Durham | Day of Week: | Friday |
| Project #: | AECOM: 6061487 | Report No: | 212 |
| Contractor: | Ludlow Construction | Page: | 1 of 13 |

Weather Conditions

Conditions: Daylight hours: Partly sunny. Winds variable 0-10 mph.

Temperature (°F): High 55°F Low 42F

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

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow installed PVC discharge line running from the PRV vault sump to an adjacent storm drain on Main Street, Durham.

Ludlow performed permanent paving on curb stop overcuts on Main Street, Durham.

Compaction Testing

Soil compaction testing was not performed today. Compaction test data for soil, concrete, and asphalt can be found under the "Related Links" column on the righthand side of the page of the following link:

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

Daily Activities –PRV vault construction activities, Main Street, Durham

Ludlow installed PVC discharge line running from the PRV vault sump to an adjacent storm drain on Main Street, Durham.

0811: United Concrete is at the PRV vault work zone performing light carpentry in the vault.

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0823: Ludlow is excavating west of Main Street in front of the storm drain located at ~Station 160+20 as they prepare to install a 2" PVC drain line that will connect the sump in the PRV vault to the storm drainage line.

0835: Ludlow is drilling into the existing storm drain at ~Station 160+20 for the installation of a 2" PVC drain line that will connect the sump in the PRV vault to the storm drainage line.

0904: Ludlow continues to excavate west of Main Street, Durham at Station 160+20 as they prepare to install a 2" PVC drain line that will connect the sump in the PRV vault to the storm drainage line.

1211: Ludlow has finished with the installation of a 2" PVC drain line that connects the sump in the PRV vault to the storm drainage line on the west side of Main Street, Durham at ~Station 161+20. United Concrete continues to work inside of the PRV Vault.

1318: United Concrete is working on the exterior of the PRV vault, sealing wall seams and penetrations of the vault walls and roof. Ludlow has finished backfilling over the PVC discharge pipe for the PRV vault's floor drain sump. There is still approximately 15" of the vault that is standing above surface grade.

Daily Activities –Permanent paving, Main Street, Durham

Ludlow performed permanent paving on curb stop overcuts on Main Street, Durham.

0733: Ludlow has excavated a curb stop overcut at 119 Main Street, Durham for permanent paving.

0753: Ludlow is compacting 1.5" processed gravel after having removed pavement on a curb stop overcut on the northbound lane of Main Street, Durham at 119 Main Street.

0922: Ludlow has removed asphalt on the northbound lane of Main Street from the curb stop overcut at 127 Main Street. Ludlow has also compacted the underlying 1.5" processed gravel. The curb stop overcut is ready for the placement of the three 3" lifts of asphalt that Ludlow will place and compact as part of permanent paving activities.

1034: Ludlow is placing the third 3" lift of asphalt on the curb stop over cuts at 119 and 127 Main Street on the northbound lane of Main Street as part of permanent paving activities.

1102: Ludlow has finished permanent paving on the curb stop overcuts located at 127 and 119 Main Street, Durham.

Daily Activities – Miscellaneous activities, Durham

1122: AECOM completes a circuit of the site to identify items that need to be addressed before Ludlow demobilizes from the Site this construction season.

1248: AECOM and USACE inspect a sinkhole that formed on the southbound lane of Maple Avenue at Station 914+15 after Ludlow shim coated this section of the road recently. Kurt spoke to Ludlow who indicated that they will patch the hole.

1335: A complaint came in a resident at 435 Main Street, Durham, where Ludlow had previously performed a temporary repair of the curbing that was disturbed during the installation of a curb stop. The area was inspected by Ludlow, USACE, and AECOM

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independently: asphalt patching that was used in the repair of the curbing has been pushed into the road. In addition, the area to the east of the curbing repair was found to be in need of a small amount of additional Loam. Ludlow addressed these minor issues.

1341: Ludlow is placing in spreading loam on the west side of Main Street, Durham at Station 134+50.

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Picture 1: Ludlow compacting 1.5" processed gravel at the curb stop overcut on the northbound lane at 127 Main Street, Durham. View to the north.

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Picture 2: Ludlow excavating at ~Station 161+20 as they begin the installation of a 2" PVC drain line that will connect the PRV vault sump to the storm drain line that is connect to the catch basin depicted above. View to the north.

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Picture 3: Ludlow drilling into the storm drain line located at Station 161+20 as they prepare to install a 2" PVC drain line that will connect the PRV vault sump to the storm drain line. View to the east.

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Picture 4: Ludlow in the process of installing a 2" PVC drain line that will connect the PRV vault sump to the storm drain line located at Station 161+20 on the west side of Main Street. View to the south.

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Picture 5: Curb stop overcut that is ready for permanent paving, located at 119 Main Street, Durham. View to the west.

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Picture 6: Temporary curb patch located at 435 Main Street, Durham that was the subject of a complaint. Ludlow removed the asphalt that was pushed into the road and added additional loam to the east of the curb. View to the northeast.

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Picture 7: PVC drain line that has been connected to the south side of the PRV vault located at ~161+30 to the west of Main Street, Durham. View to the northeast.

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Picture 8: Seam between the PRV vault roof and the vent pipe located on the northeast corner of the vault that United Concrete sealed today. View to the southwest.

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Picture 9: Seam between PRV vault roof sections that United Concrete sealed today (tape was removed once caulk set). View to the south.

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Picture 10: PRV vault after Ludlow backfilled around it after installing a PVC drain line from the vault to a storm drain located at Station ~161+20. View to the south.