

# AECOM

## Daily Report

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| <b>Project:</b>    | Durham Meadows Pipeline Installation                      | <b>Date:</b>        | May 10, 2021 |
| <b>Location:</b>   | S. Main Street and the Shared Access Driveway, Middletown | <b>Day of Week:</b> | Monday       |
| <b>Project #:</b>  | AECOM: 6061487  | <b>Report No:</b>   | 239          |
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### Weather Conditions

Conditions: Daylight hours: Sunny/overcast. Winds variable 0-9 mph.  
 Temperature (°F): High 69°F Low 45°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                    | 0 | x | 8   |
|  |   |   |     | Dump truck Operator        | 1 | x | 8   |
|  |   |   |     | Excavator Operator         | 1 | x | 8   |
|  |   |   |     | Skid Steer/ Bucket Loader  | 1 | x | 8   |
|  |   |   |     | Laborers                   | 3 | X | 8   |
|  |   |   |     | Note that some persons     |   |   |     |
| United Concrete                        | 3 | x | 8   | Multiple pieces equipment. |   |   |     |
| Farmington Ready Mix                   | 2 | x | 8   |                            |   |   |     |
| JTC                                    | 1 | x | 8   | Sub-contractor             | 3 | X | 8   |
| CT Traffic Control                     | 0 | x | 8   | Municipal Police Detail    | 0 | X | 8   |
|  |   |   |     | State Police Detail        | 0 | X | 8   |

Visitors: None.

### Pipe Connections, Installations, and Other Work

Ludlow placed concrete for the frost wall of the booster station located at Station 750+63 South Main Street in Middletown. United Concrete installed insulation on the inside of the altitude vault located east of the Shared Access Driveway in Middletown. Ludlow also finished placing concrete over the PVC conduits located between the pressure reducing valve vault and the adjoining electrical enclosure.

### Daily Activities – booster station work zone, S. Main Street, Middletown

Ludlow placed concrete for the frost wall of the booster station located at Station 750+63 South Main Street in Middletown.

0705: Ludlow is holding a health and safety meeting at the 291 Main Street, Durham property.

0800: Ludlow is staged at the booster station work zone located at Station 750+63 South Main Street in Middletown as they prepare for today's concrete pour. Ludlow has already applied Harris Super X (release compound) to the inside of the concrete forms for the frost wall.

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0902: Farmington Ready Mix arrives at the booster station work zone located at Station 750+63 with the first of two loads of concrete for the frost walls.

0906: JTC representative arrives at the booster station work zone at Station 750+63 to collect QC data on the concrete delivered by Farmington Ready Mix for the frost wall.

0909: Farmington Ready Mix starts placing concrete on the south wall of the booster station frost wall. Ludlow is using a vibrator to settle the concrete as it is placed into the forms.

0915: Ludlow starts using a second vibrator as Farmington Ready Mix continues to place concrete into the forms. Proper vibration technique being used.

0924: JTC performs a slump test on the first load of concrete. JTC reports a slump of slightly greater than 6 inches. Farmington Ready Mix truck spins the load of concrete more to tighten up the concrete.

0935: JTC performs another slump test on the first load of concrete and arrives at a slump of 4.25 inches.

0948: JTC performs an air entrainment test on the first load of concrete brought to the site by Farmington Ready Mix. JTC reports an air entrainment value of 5.25%. JTC also collect 6 cylinders of concrete for laboratory testing.

0952: A second truck of concrete arrives at the booster station work zone at Station 750+63 from Farmington Ready Mix.

1032: JTC performs a slump test on the first load of concrete and arrives at a slump of 3.75".

1151: Ludlow is using water to hose off the exterior of the concrete forms and the exterior of the footings at the booster station work zone located at Station 750+63 in Middletown.

1251: Ludlow is performing finish work on the top of the concrete on the frost wall at the booster station work zone located at Station 750+63 in Middletown. Elevation checks are being performed periodically to make sure the top of the wall is level.

1417: Ludlow is finishing work at the booster station work zone located at Station 750+63 South Main in Middletown.

### Daily Activities – water tank work zone, Shared Access Driveway, Middletown

United Concrete installed insulation on the inside of the altitude valve vault located east of the Shared Access Driveway in Middletown.

0835: United Concrete has three laborers installing insulation to the inside of the altitude valve vault at the water tank work zone located east of the Shared Access Driveway in Middletown.

1128: Three United Concrete workers continue to place insulation on the inside of the altitude valve vault located east of the Shared Access Driveway in Middletown.

1339: United Concrete has finished installing insulation for the day at the altitude valve vault.

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### Daily Activities – Pressure reducing valve vault, ~Station 161+40 Main Street, Durham

Ludlow and Farmington Ready Mix placed concrete over the PVC electric conduits at the pressure reducing valve vault located at ~Station 161+40 Main Street in Durham.

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Picture 1: Form release agent that Ludlow applied to the inside of the frost wall concrete forms. Booster station work zone, Station 750+63 South Main Street in Middletown.

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Picture 2: Ludlow vibrating concrete as it is being placed into the frost wall forms by Farmington Ready Mix. Booster station work zone, Station 750+63 South Main Street in Middletown. View to the west.

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Picture 3: JTC preparing a slump test sample on the first of two loads of concrete brought to the booster station work zone in Middletown.

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Picture 4: Ludlow vibrating concrete as it is being placed into the frost wall forms by Farmington Ready Mix. Booster station work zone, Station 750+63 South Main Street in Middletown. View to the southwest.

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**Picture 5: JTC preparing an air entrainment sample on the first of two loads of concrete brought to the booster station work zone, South Main Street in Middletown.**

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Picture 6: JTC preparing cylinder samples from the first of two loads of concrete brought to the booster station work zone in Middletown.

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Picture 7: Slump test sample that JTC prepared from the second of two loads of concrete brought to the booster station work zone in Middletown.

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**Picture 8: Concrete placed over the PVC conduits located between the electrical enclosure and the pressure reducing valve vault located at ~Station 161+40 Main Street in Durham. View to the east.**

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Picture 9: United Concrete installing insulation to the inside of the altitude valve vault located east of the Shared Access Driveway in Middletown. View to the east.

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Picture 10: Ludlow washing off the exterior of the concrete forms at the booster station work zone in Middletown. View to the south.

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Picture 11: Overview of the frost wall that was placed today at the booster station work zone in Middletown. View to the southeast.

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