

AECOM

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 03, 2021
Location:	South Main Street, Middletown, Main Street, Maple Avenue, Durham	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	234
Contractor:	Ludlow Construction	Page:	1 of 7

Weather Conditions

Conditions: Daylight hours: Mostly Sunny. Winds variable 0-5 mph.
 Temperature (°F): High 68°F Low 45°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
				Foreman	1	x	8
				Dump truck Operator	1	x	8
				Excavator Operator	1	x	8
				Skid Steer/Bucket Loader	0	x	8
				Laborers	3	X	8
				Note that some persons			
Barnhart	0	x	8	Multiple pieces equipment.			
Farmington Ready Mix	1	x	4				
JMS	0	x	8	Sub-contractor (Turner)	1	X	2
CT Traffic Control	0	x	8	Municipal Police Detail	0	X	8
				State Police Detail	0	X	8

Visitors: Ed Hathaway EPA, Will Simmons (sampler for EPA).

Pipe Connections, Installations, and Other Work

Ludlow placed the footing at the booster station located at Station 750+63, South Main St. in Middletown. They also placed concrete for the thrust block up at the Water Tank and attempted to fill the concrete form to secure power/communication conduits at the Pressure Reducing Valve (PRV) Vault located near the intersection of Routes 17 & 147 (by the Valero Gas Station). Ludlow spent the rest of the day repairing the water service trenches at 172 and 166 Maple Ave. Both residents complained of their lawn settling/no grass and although the lines will need to be re-dug for final connection to the house, they were not happy with the interim look. Last thing was prepping 8" drainage line (assembling pipe/making connections) for continued construction of the drainage system at the Water Tank.

0715: Arrived at site, headed to trailer to check in with Kurt. Spoke with Kurt M. Discussed the specs for the concrete (Type B 4,000 PSI), Kurt confirmed with Ludlow.

0745: Make a circuit of the site (Maple Ave, PRV, Water Tank, and Booster Station).

Daily Activities – Booster Station, S. Main Street, Middletown

Ludlow continued with the construction at the booster station located at Station 750+63 in Middletown.

Res. Representative:	W. Abrahams-Dematte	Date:	05/03/21
-----------------------------	---------------------	--------------	----------

AECOM

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 03, 2021
Location:	South Main Street, Middletown, Main Street, Maple Avenue, Durham	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	234
Contractor:	Ludlow Construction	Page:	2 of 7

0830: Ludlow was preparing for delivery of 11 yards of concrete. They were constructing an extension and a vertical pour down attachment to use with the concrete truck sluice in order to better direct flow of concrete. Turned out the concrete sluice was long enough so only the vertical pour down attachment was used. Ludlow was also running power lines to power the vibration unit to aid in settling concrete into forms and around the rebar.

0920: Farmington Ready Mix arrives on site.

0930: Placing of concrete footing begins. Concrete is placed into the forms followed by use of the concrete vibration tool. More concrete added as needed.

0945: Turner testing services arrive to test concrete. They perform an air test - 4.2 reading (range 4.5-7.5) - which is just below spec; two slump tests (range 4.5-6.5"), the first test failed (8" slump), however the particular sample seemed overly wet so a second test was done and resulted in 5.75 inch slump; and the last test was to collect 5 cylinders of concrete for compression/fracture testing.

1020: Concrete placement is completed; Ludlow sends Farmington up to the water tank to place concrete at the thrust block while some of Ludlow continues to finalize the rebar at the booster station.

1040: The thrust block is poured up at the Water Tank.

1055: Ludlow has mobilized the concrete truck to the PRV vault located near Routes 17 & 147. They begin place concrete but run out of concrete after only filling half of the form that is meant to prevent someone from accidentally excavating the communication/power conduits between the station and control panel. The conduit is still exposed just above the concrete. Ludlow says that they will complete next week when they have another concrete pour. Note that the grounding line is not in the form that protects the hot/active lines.

1130: Ludlow breaks for lunch.

1230: Ludlow prepares to head over to 166 and 172 Maple Street to repair lawns that have settled during the installation of water services.

1350: Ludlow completes the Maple Street restorations and heads back to the Water Tank to make pipe preparations for continued 8" drainage work. They are not going to start any installation today due to time and rain starting.

1415: Off site.

Res. Representative:	<u>W. Abrahams-Dematte</u>	Date:	<u>05/03/21</u>
-----------------------------	----------------------------	--------------	-----------------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 03, 2021
Location:	South Main Street, Middletown, Main Street, Maple Avenue, Durham	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	234
Contractor:	Ludlow Construction	Page:	3 of 7



Picture 1: View of the booster station footprint before and after concrete footing is placed. Ludlow placed the concrete and positioned the rebar within the concrete to the proper configuration for the foundation walls of the booster station located at Station 750+63 South Main Street in Middletown. Views are to south and to the west.

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 03, 2021
Location:	South Main Street, Middletown, Main Street, Maple Avenue, Durham	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	234
Contractor:	Ludlow Construction	Page:	4 of 7



Picture 2: Thrust block form and pre and post concrete placement. Tank driveway is to the top left of the photo.

Res. Representative:

W. Abrahams-Dematte

Date: 05/03/21

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 03, 2021
Location:	South Main Street, Middletown, Main Street, Maple Avenue, Durham	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	234
Contractor:	Ludlow Construction	Page:	5 of 7



Picture 3: View of the form at the PRV vault near Routes 17 & 147. Note that Ludlow ran short of concrete and will need to complete the pour next week. The line not inside the form is the grounding line.

Res. Representative:

W. Abrahams-Dematte

Date: 05/03/21

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 03, 2021
Location:	South Main Street, Middletown, Main Street, Maple Avenue, Durham	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	234
Contractor:	Ludlow Construction	Page:	6 of 7



Picture 4: View to south. Ludlow restores water service trenches in response to complaints from homeowners at 166 Maple St. (foreground) and 172 Maple Street (in background).

Res. Representative:	<u>W. Abrahams-Dematte</u>	Date:	<u>05/03/21</u>
-----------------------------	----------------------------	--------------	-----------------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	May 03, 2021
Location:	South Main Street, Middletown, Main Street, Maple Avenue, Durham	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	234
Contractor:	Ludlow Construction	Page:	7 of 7



Picture 5: View to west of 172 Maple Street lawn repair. Water service trench settling was not acceptable to homeowner.