

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	1 of 12

Weather Conditions

Conditions: Daylight hours. Sunny. Winds variable 0-8 mph.

Temperature (°F): High 85°F Low 63°F

Contractors & Subcontractors Workforce					Equipment in Use							
Trade	#	x	hrs		Trade	#	x	hrs	Type	#	x	hr
USACE					Ludlow Construction				Concrete/Asphalt Road Saw	1	x	8
Field Engineer	1	x	8		Superintendent	0	x	8	Dump truck	5	x	8
					Safety Officer	1	x	8	Excavator – Large	3	x	8
					Foreman	2	x	8	Excavator - Mid-Size	1	x	8
Northeastern Steel					Dump truck Operator	4	x	8	Excavator - Rubber Wheeled – Rock	0	x	8
Superintendent	1	x	8		Excavator Operator	4	x	8	Skid Steer / Bucket Loader	1	x	8
Laborers	3	X	8		Skid Steer/Bucket Loader	1	x	8	Rolling Compactor	0	x	8
					Laborers	6	X	8	Plate Compactor	2	x	8
					<i>Note that some persons</i>				Jumping Jack Compactor	2	x	8
					<i>Multiple pieces equipment.</i>				Street Sweeper (Broce Broom)	1	x	8
									Material Hopper	0	x	8
					Sub-contractor	3	X	8	Pipe saw	1	x	8
					Municipal Police Detail	0	X	8	Light Tower	0	x	8
					State Police Detail	1	X	8				

Visitors: None.

Pipe Connections, Installations, and Other Work

DN Tanks subcontractor Northeastern Steel was on site today to help with the placement and fastening of rebar on the two water tank side panel concrete forms.

Ludlow placed ½" gravel on the water tank footprint.

Ludlow installed 12" DIP on Maple Avenue from Stations 913+70 to 911+09. This includes the installation of 1" corporation stop at Station 911+87, a 2" corporation stop at Station 912+50, and a 12" M.J. R.S. gate valve and valve box at Station 913+65.

Ludlow saw cut pavement today on Main Street, Durham.

Compaction Testing

Soil compaction testing was not performed today. Compaction test data for the project can be found here:

Res. Representative: J. Meunier

Date: 8/14/20

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	2 of 12

<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 – Saw cutting pavement, Main Street, Durham

Ludlow saw cut pavement today on Main Street, Durham.

0820: Ludlow is saw cutting pavement on the southbound lane of Main Street, in front of the United Churches of Durham at 228 Main Street.

1105: Ludlow is saw cutting pavement on the southbound lane of Main Street, immediately south of where Route 68 intersects with Main Street.

1206: Ludlow continues to saw cut pavement in front of 220 Main Street (just south of the where Route 68 intersects with Main Street, Durham). Ludlow is using the Broce Broom to clean up after each area is saw cut.

1252: Ludlow is saw cutting pavement in front of 215 Main Street, Durham, on the northbound lane.

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

DN Tanks subcontractor Northeastern Steel was on site today to help with the placement and fastening of rebar on the two water tank side panel concrete forms. In addition, Ludlow placed and compacted ½" gravel on the water tank footprint.

0732: Ludlow has mobilized to the water tank work zone to the east of the Shared Access Driveway. DN Tanks has their subcontractor Northeastern Steel on site today to help with the placement and fastening of rebar on the two water tank side panel concrete forms.

0914: Ludlow is working on the water tank footprint, placing ½" gravel (sourced from Tilcon) on top of filter fabric. Ludlow is compacting the gravel with a plate compactor.

0934: Northeastern Steel is securing rebar that they have placed on one of the two water tank side panel concrete forms.

1020: Northeastern Steel has finished placing rebar on the first water tank side panel concrete form and are currently placing rebar on the second concrete form. Ludlow continues to work on the water tank footprint, placing and compacting ½" gravel.

1244: Ludlow has finished placing and compacting ½" gravel on top of the water tank footprint.

Daily Activities – Installation of 12" DIP, Maple Avenue, Durham

Ludlow installed 12" DIP on Maple Avenue from Stations 913+70 to 911+09. This includes the installation of 1" corporation stop at Station 911+87, a 2" corporation stop at Station 912+50, and a 12" M.J. R.S. gate valve and valve box at Station 913+65.

Res. Representative:	J. Meunier	Date:	8/14/20
-----------------------------	------------	--------------	---------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	3 of 12

0700: Ludlow resumes the installation of 12" DIP on Maple Avenue, Durham, picking up where they left off yesterday at Station 913+70.

0912: Ludlow has installed a 12" M.J. R.S. gate valve and valve box at Station 913+65.

0945: Ludlow continues to install 12" DIP on Maple Avenue, Durham, moving in a southern direction.

1039: Ludlow has installed a 2" corporation stop at Station 912+50.

1125: Ludlow has pavement opened up to Station 911+00. Ludlow has 12" DIP installed up to Station 911+70. This includes the installation of a corporation stop at 911+87

1317: Ludlow is backfilling and compacting today's trench on Maple Avenue. Ludlow finished placing 12" DIP at Station is 911+09.

Daily Report

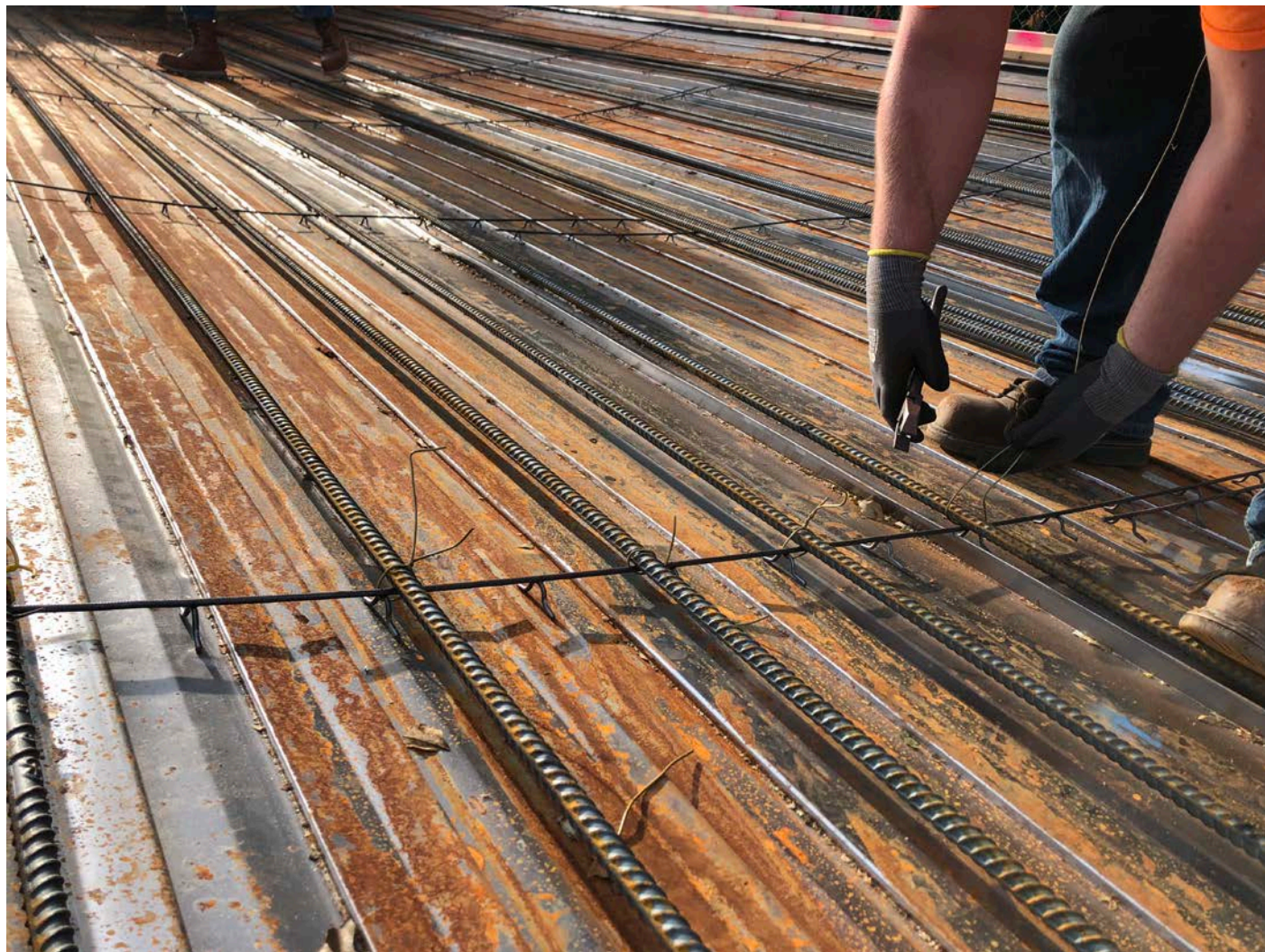
Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	4 of 12



Picture 1: Northeastern Steel begins to lay out chairs on one of the water tank side panel concrete forms that rebar will be fastened onto. Water tank work zone, east of the Shared Access Road, Middletown. View to the west.

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	5 of 12



Picture 2: Northeastern Steel fastening rebar to chairs that have been placed on the first of two water tank side panel concrete forms. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the east.

Res. Representative:

J. Meunier

Date: 8/14/20

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	6 of 12



Picture 3: The first of two water tank side panel concrete forms where Northeastern Steel has finished fastening rebar to wire chairs in preparation of concrete being placed onto the form. Water tank work zone, east of the Shared Access Driveway, Middletown. View to the west.

Res. Representative:	J. Meunier	Date:	8/14/20
-----------------------------	------------	--------------	---------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
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Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	7 of 12



Picture 4: DN Tanks adding plywood to the form surrounding the water tank footprint. East of the Shared Access Driveway, Middletown. View to the northeast.

Res. Representative:	J. Meunier	Date:	8/14/20
-----------------------------	------------	--------------	---------

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	8 of 12



Picture 5: Ludlow placing and compacting ½" gravel on the water tank footprint. East of Shared Access Driveway, Middletown. View to the north.

Res. Representative:

J. Meunier

Date: 8/14/20

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	9 of 12



Picture 6: Ludlow finishing the placement and compaction of 1/2" gravel on the water tank footprint. East of Shared Access Driveway, Middletown. View to the south.

Res. Representative:	J. Meunier	Date:	8/14/20
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Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	10 of 12



Picture 7: Ludlow saw cutting pavement on the southbound lane of Main Street, Durham, in front of 228 Main Street. View to the north.

Res. Representative:	J. Meunier	Date:	8/14/20
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Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	11 of 12



Picture 8: Ludlow trenching on the southbound lane of Maple Avenue, Durham (Station ~910+00) as they place 12" DIP while progressing in a southerly direction. View to the north.

Res. Representative:	J. Meunier	Date:	8/14/20
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Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	August 14, 2020
Location:	Maple Avenue and Main Street, Durham; Shared Access Driveway, Middletown	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	138
Contractor:	Ludlow Construction	Page:	12 of 12



Picture 9: Ludlow compacting fill in trench at Station ~910+50 on the southbound lane of Maple Avenue, Durham. View to the southwest.

Res. Representative:	J. Meunier	Date:	8/14/20
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