

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	April 30, 2020
Location:	Main Street and shared access road, Durham & Middletown, CT	Day of Week:	Thursday
Project #:	AECOM: 6061487	Report No:	69
Contractor:	Ludlow Construction	Page:	1 of 8

Weather Conditions

Conditions: Daylight hours. Sunny, some clouds. Winds variable 0-10 mph.
Temperature (°F): High 61°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	0	x	8
				Safety Officer	1	x	8
				Foreman	2	x	8
				Dump truck Operator	4	x	8
				Excavator Operator	4	x	8
				Skid Steer/Bucket Loader	1	x	8
				Laborers	6	x	8
				<i>Note that some persons</i>			
				<i>Multiple pieces equipment.</i>			
				Sub-contractor	1	x	8
				Middletown Police Detail	0	x	8
				State Police Detail	2	x	8
				Concrete/Asphalt Road Saw	0	x	8
				Dump truck	5	x	8
				Excavator – Large	3	x	8
				Excavator - Mid-Size	1	x	8
				Excavator - Rubber Wheeled – Rock	1	x	8
				Skid Steer / Bucket Loader	1	x	8
				Rolling Compactor	1	x	8
				Plate Compactor	1	x	8
				Jumping Jack Compactor	1	x	8
				Street Sweeper (Broce Broom)	1	x	8
				Material Hopper	2	x	8
				Pipe saw	0	x	8
				Light Tower	0	x	8

Visitors: None

Pipe Connections and Installations

Ludlow placed on 20-foot stick of unrestrained 16" DIP from Station 174+23 to Station 174+43. There were no corporation stops due to the short distance and lack of houses between the current position and the intersection with Talcott Road, Durham Meadows, CT. There is roughly another 40-60 feet to go to reach the intersection where a 16"x16"x8" valve assembly will be installed. The assembly has 2 16" butterfly valves and one 8" gate valve. The structure is 6 feet in length.

Compaction Testing

Compaction testing was performed today at essentially one location along the 20-foot of pipe installed. Due to the sloped access to trench for drum compactor, the testing agent ran the first two test such that they covered the first 3 lifts. The last two test were for the last two lifts.

Compaction Data for 4-30-20

Station	Percent Compaction	Percent Moisture Content
173+58 to 174+32	98.5	3.8
	97.3	3.5
	97.8	3.9
	99.4	3.8
	-	-

Res. Representative:

W. Abrahams-Dematte

Date: 4/30/20

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Additional Data

Ludlow significantly expanded the gravel parking area at the trailer site, creating a large pad in front of the USACE trailer. The added gravel makes a significant improvement in the parking area.

Daily Activities – Pressure Testing

Ludlow continued pressure testing at multiple locations today.

Daily Activities – Pickett Lane

Pickett Lane was not inspected today.

Daily Activities – Shared Access Road

Other than moving stockpiled materials (gravel) from a point along the shared access road, Ludlow did not perform any activities along the road. Work was being conducted on the slope up to the tank field area and at the top of the slope. The work included installing roughly 120-150 feet of 12" concrete drainpipe along the north side of the slope. After running out of pipe, they converted to adding gravel to the slope and the top of slope to stabilize the road so that trucks could be run up to the top.

Daily Activities – Main Street, Middletown

There was no activities along Main Street in Middletown today.

Daily Activities – Main Street, Durham

Ludlow began trenching on Main Street in Durham, just north of Talcott Road. When I first arrived, they were hammering bedrock at Station 174+50. Once cleared they installed a road box and one 20-foot stick of 16" DIP. This was observed from my vehicle during the start of the Thursday meeting. After installation of the pipe, Ludlow began close-up and clean-up activities and shut down operations due to the rain. Traffic detail was provided by CT State Police. Traffic on Main Street was restricted to one lane in the construction zone.

0745: On-site at 281 Main Street. Ludlow adding a gravel parking area in front of the Army Corps. trailer and preparing to mobilize to Main Street Durham.

0812: Drove up to the shared access road and water tank site. No activity currently on Main Street. On the shared access road, work was being done on the slope up to the water tank field. Ludlow was installing 12" drainpipe heading up the slope. Later found out that they ran out of pipe near the top of the slope.

0945: Ludlow is underway on Main Street. Starting at 174+23, they had already excavated approximately 30 feet of trench and are currently hammering bedrock which appeared to run approximately 4-5 feet below grade and from approximately 174+35 to 174+50.

1000: Back in vehicle for Thursday morning meeting call. Situated to observe operations on Main Street, Durham.

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1030: Ludlow placed 20-feet of 16" DIP with from 174+23 to 174+43 feet and is currently working on backfill and compaction. Compaction testing was being conducted during the back-filling process.

1115: Checked back at 281 Main Street to arrange to have Mike C. (Ludlow) call when a decision is reached on whether work will be conducted tomorrow on Main Street and/or the shared access. Note: received call around 1400 that Ludlow will attempt to get some work done on Main Street and will be working on the slope and tank field area regardless.

1145: Made one last pass up to the shared access road to see that erosion controls were still in good shape and to observe the grading being conducted.

1215: Off site.

Payment Items:

Res. Representative:	<u>W. Abrahams-Dematte</u>	Date:	<u>4/30/20</u>
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Picture 1: 281 Main Street, Durham, CT. New gravel parking area in front of USACE trailer.



Picture 2: Facing east. Installation of 12" concrete drainpipe up the slope to the water tower. Middletown, CT.

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Picture 3: View facing southwest on Main Street, Durham, CT. DIP installation approaching Talcott Road, seen left of center in the picture (white pickup parked at intersection).



Picture 4: View facing west, across Main Street, Durham, CT. On going trenching. Note Station 174+50 on curb in orange and two fiberglass poles holding up power and phone lines to the house in the background.

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Picture 5: Ludlow hammering bedrock in trench. Note station marker to the right in the picture is Station 174+50. View facing south. Durham, CT.



Figure 6: Three valve assembly to be installed at the intersection with Talcott Road and Main Street, Durham. Two 16" butterfly valves either side and an 8" gate valve facing the camera.

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Figure 7: Backfilling the one 20-foot section of 16" DIP installed today from Station 174+23 to Station 174+43.



Figure 8: Clean-up operations along Main Street Durham.

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Figure 9: Having installed all the 12" drainpipe, Ludlow changes over to adding gravel to slope to sure it up and allow truck access up the slope.



Figure 10: Facing east, silt fencing in good shape along the north (lower) side of the slope.

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