

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	April 24, 2020
<b>Location:</b>	Main Street, Water tank access road, Durham & Middletown, CT	<b>Day of Week:</b>	Friday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	65
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### Weather Conditions

**Conditions:** Daylight hours. Rain. Winds variable 0-5 mph.  
**Temperature (°F):** High 46°F Low 38°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

**Visitors:** Steve Wright, CT DOT.

### Pipe Connections and Installations

Ludlow placed 40' of 6" DIP at Station 159+25 with a 1" service connection (Durham, CT); 40' of 8" DIP at Station 159+30 with a 1" service connection (Durham, CT); a Type CL catch basin and 50' of 15" RCP at Station 15+90 (Middletown, CT), and placed riprap in the plunge bowl located at Station 14+40 (between the driveways of 214 and 216 Talcott Ridge Drive in Middletown, CT.) and at the north end of 15" RCP placed at Station 15+90.

### Compaction Testing

No compaction testing was performed today. The results of testing performed on 4-23-20 are provided below.

Compaction Data for 4-22-20		
Station	Percent Compaction	Percent Moisture Content
165+69 to 165+94	98.0	6.9
	97.5	3.6
	97.5	4.7
	98.4	3.7
	98.0	2.9

**Res. Representative:**

J. Meunier

**Date:** 4/24/20

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Station	Percent Compaction	Percent Moisture Content
165+94 to 166+19	96.3	7.9
	99.5	5.6
	95.3	4.9
	97.7	4.0
	96.4	3.3
166+19 to 166+44	95.3	4.9
	95.9	5.3
	99.2	4.5
	98.8	3.7
	99.3	2.9
166+44 to 166+69	96.2	5.8
	97.3	6.3
	100.0	3.9
	96.9	4.4
	98.9	3.4
166+69 to 166+94	96.5	4.8
	97.9	4.3
	98.7	6.3
	98.5	3.7
	98.4	4.0

### Additional Data

None.

### Daily Activities – Shared Access Road

Ludlow is installing a catch basin, 15" RCP, and placing riprap.

0832: Ludlow placing riprap in plunge bowl located at Station 14+40 (between the driveways of 214 and 216 Talcott Ridge Drive in Middletown, CT.).

1022: Ludlow installing a Type CL catch basin at Station 15+90, on the south side of the shared access road.

1100: Ludlow placing  $\frac{3}{4}$ " gravel around the catch basin they just placed at Station 15+90. Rain is currently coming down hard.

1150: Ludlow is trenching perpendicular to the shared access road (moving to the north from the catch basin they just placed) in order to place 15" RCP. In the process, they have daylighted electric and communication lines. The communication lines are unshielded; the electric line is protected by a 4" white PVC conduit.

1425: Ludlow has almost finished placing rip rap around the catch basin at Station 15+90, and where the 15" RCP they just placed.

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### Daily Activities – Main Street, Durham

Ludlow working at Stations 159+30 and 159+25 to place service connections. Traffic detail provided by private flaggers.

0725: Ludlow excavating in the southbound lane of Main Street at Stations 159+25 and 159+30.

0830: Ludlow just daylighted a 6" valve and an 8" valve that come off the main waterline running down the south side of Main Street at Stations 159+25 and 159+30, respectively.

0925: Ludlow has a 20' section of 6" DIP placed beneath a 6" clay drain line that runs down the southbound lane of Main Street. A protective layer of concrete that lies over the clay pipe is being supported by web strapping and an I-beam.

1008: Ludlow is placing a second 20' section of 6" DIP at station 159+25. The pipe is capped on the west side with a 1" port for a 1" service connection (10' of 1" copper line was subsequently added for a service connection). Rain is coming down moderate-heavy.

1100: A State Trooper has shown up and has parked with his lights on at the north end of the work zone.

1115: A small amount of water is running down Main Street into the excavation. Ludlow is preparing to place 8" DIP with a 1" service connection at the end of it at Station 159+30. Ludlow is pumping water out of the trench which is running south down Main Street to catch basin with a silt bag in it. Steve Wright from CTDOT is present at the work area.

1125: Ludlow has placed about 10' of 1" copper service line at the west end of the 40' of 8" DIP they placed at Station 159+30. A valve stem extension and valve box was placed on top of both valves that are attached to the main water line.

1130: The 6" clay pipe at Station 159+25/159+30 was damaged during the work at these stations. Ludlow is repairing the break with two Fernco boots and a section of 6" PVC.

1206: Ludlow has backfilled over the pipe placed at Stations 159+25 and 159+30 and are currently compacting the placed fill.

1232: The trooper exits his car to speak with Steve Wright. Ludlow placing hot patch over excavation area.

1240: A second trooper arrives to the work zone.

### Payment Items:

**Res. Representative:**

J. Meunier

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Picture 1: Damage to curbing on the west side of Main Street, just south of Station 159+30. View to the northwest. Durham, CT.

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Picture 2: Ludlow just about finished placing riprap in the plunge bowl located at ~Station 14+40 (between the driveways of 214 and 216 Talcott Ridge Drive). View to the north. Middletown, CT.



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Picture 3: Water accumulated due north of the culvert located north of the Type C catch basin located at Station 14+40. View to the northwest. Middletown, CT.



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Picture 4: 6" DIP being placed at Station 159+25 beneath an existing 6" clay drain pipe. Note the concrete that overlies the clay pipe being supported with web strapping attached to an I-beam. View to the northeast. Durham, CT.



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**Picture 5: Cap placed on end of 6" DIP with port for connection to 1" copper service line (which was subsequently attached and installed). Durham, CT.**



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Picture 6: Type CL catch basin placed on the south side of the shared access road.  $\frac{3}{4}$ " gravel has been placed around the catch basin. View to the southeast. Middletown, CT.



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**Picture 7: Inlet to the plunge bowl located on the south side of the shared access road, between the driveways for 214 and 216 Talcott Ridge Drive. View to the south. Middletown, CT.**



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Picture 8: One of two Fernco boots used to repair break in clay pipe at ~Station 159+30. Durham, CT.



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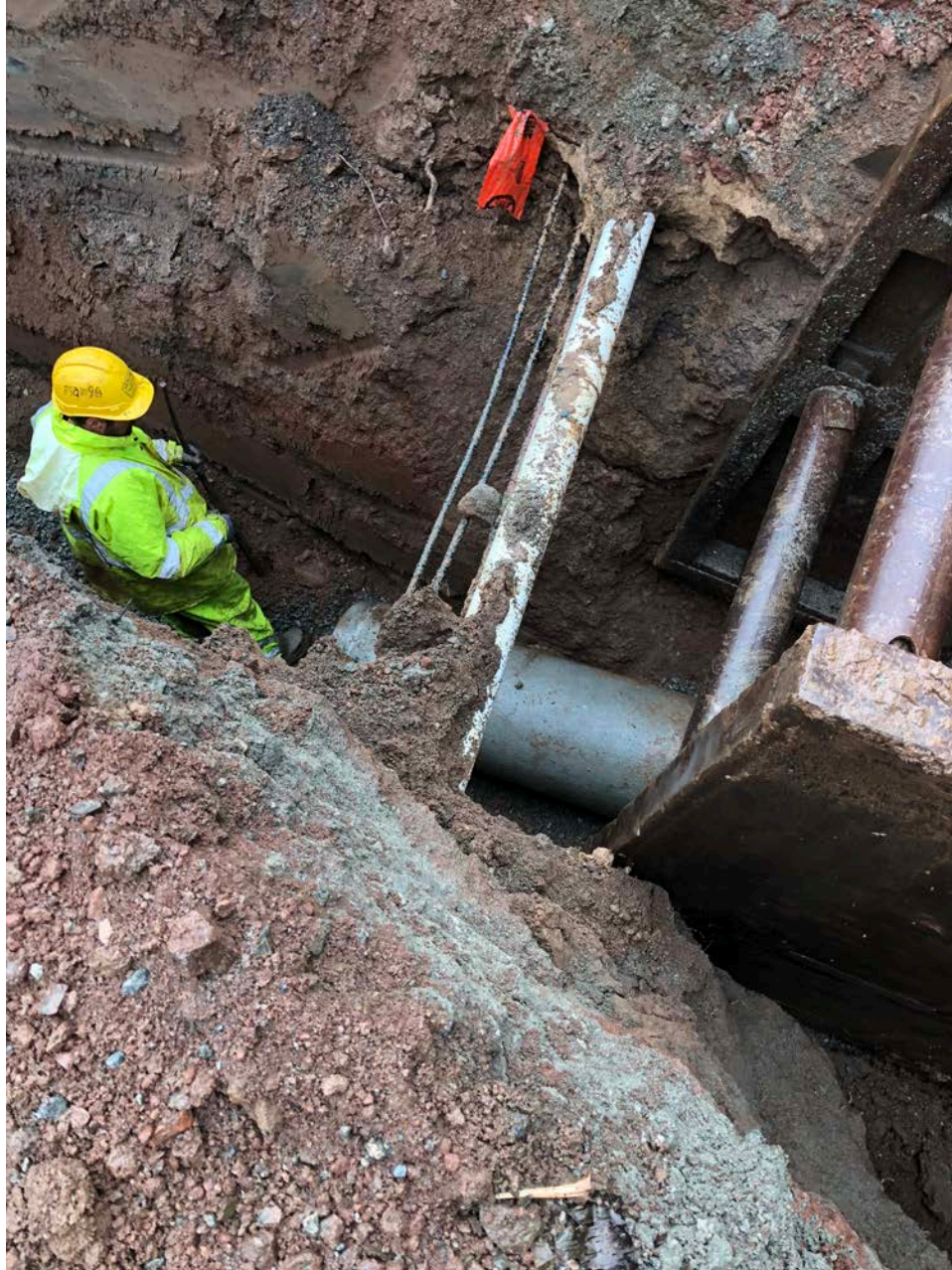


Picture 9: PVC used to repair break in clay pipe at ~Station 159+30. Durham, CT.



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Picture 10: Electric and communication lines daylighted while placing 15" RCP across the shared access road at ~Station 15+90 (just north of the Type CL catch basin Ludlow installed earlier today). Middletown, CT.



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Picture 11: 15" RCP that was placed across the shared access road at ~Station 15+90 (just west of the Type CL catch basin Ludlow installed earlier today). Middletown, CT.



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Picture 12: Hot patch being placed at Station 159+25. View to the north. Durham, CT.

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Picture 13: Ludlow covering placed 15" RCP with sand. Partially installed Type CL catch basin in the foreground. View to the north. Middletown, CT.

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Picture 14: Ludlow finishing installation of Type CL catch basin at ~Station 15+90. View to the southwest. Middletown, CT.



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Picture 15: Flared end of newly installed 15" RCP at Station 15+90. View to the south. Middletown, CT.



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Picture 16: Ludlow placing riprap to the north of 15" RCP installed today. View to the east. Middletown, CT.



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Picture 17: Riprap placed around Type CL catch basin that was installed today. View to the east. Middletown, CT.