

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	March 31, 2020
<b>Location:</b>	Oak Terrace, Royal Oak Drive, Water tank, Durham & Middletown, CT	<b>Day of Week:</b>	Tuesday
<b>Project #:</b>	AECOM: 6061487	<b>Report No:</b>	51
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 19

### Weather Conditions

**Conditions:** Daylight hours. Sunny, winds variable 5-10 mph.  
**Temperature (°F):** High 48°F Low 31°F

Contractors & Subcontractors Workforce								Equipment in Use							
Trade		#	x	hrs	Trade		#	x	hrs	Type		#	x	hrs	
USACE					Ludlow Construction					Concrete/Asphalt Road Saw		0	x	8	
Field Engineer		2	x	8	Superintendent		1	x	8	Dump truck		4	x	8	
					Safety Officer		1	x	8	Excavator - Large		1	x	8	
					Foreman		1	x	8	Excavator - Mid-Size		1	x	8	
					Dump truck Operator		2	x	8	Excavator - Rubber Wheeled – Rock Hammer		0	x	8	
					Excavator Operator		2	x	8	Skid Steer / Bucket Loader		1	x	8	
					Skid Steer/Bucket Loader Op.		1	x	8	Rolling Compactor		1	x	8	
					Laborers		4	x	8	Plate Compactor		1	x	8	
					Total 9 persons + 1 sub. Trucker					Jumping Jack Compactor		1	x	8	
					Note that some persons operate					Street Sweeper (Broce Broom)		1	x	8	
					Multiple pieces equipment.					Material Hopper		0	x	8	
					Sub-contractor					Pipe saw		1	x	8	
					Dump truck Operator		1	x	8	Light Tower		0	x	8	
					Middletown Police Dept.										
					Police Officer Detail		1	x	8						

**Visitors:** NONE

### Notes:

**Pipe Connections:** 40 feet of 8" DI pipe (30' at Oak Terrace and 10' on Main Street) and 6' of DIP were installed today (exclusive of connecting T fittings, valve assemblies, and hydrant assemblies). ALL pipe installed on 3-31-2020 was restrained.

**Compaction Testing:** No compaction testing performed today.

0710: Ludlow begins to excavate at the intersection of Oak Terrace and Main Street. Rock is encountered 7-8 feet below grade but does not require hammering and does not seem to be slowing down the progress of the excavation. Ludlow using flagman to control traffic: there is no detail officer present.

0735: A T-fitting and an 11¼-degree section is used to connect a 10' section of 8" DIP to existing water line running down the west side of Main Street. The 10' section of DIP was placed on Oak Terrace The 11¼-degree collar was used to accommodate the rise in slope going up Oak Terrace from Main Street

0815. Ludlow compacting backfill over 10' section of 8" DIP.

0831: Excavation continues up Oak Terrace. More rock encountered but the bucket has been able to dig through it pretty easily.

0842: 20' section of 8" DIP connected to the 10' section of 8" DIP that was just installed.

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0900: Kurt Mintel and Bob Christie from the USACE are on site. Bob will be performing oversight during the night shifts.

0912: Ludlow cutting a trench 90° off the 8 inch line on Oak Terrace to install a section of 6" DIP that will connect to a hydrant assembly. The 8" DIP is currently being filled with three-quarter inch gravel.

0940: Inspect access road and tank pad at the site of the future water tank. Ludlow is continuing to install erosion control: about 90% of this work is complete along the access road; and about 50% complete around the actual tank pad.

1045: Ludlow cut 6 inch pipe to connect to 8 inch DIP on Oak Terrace. This is for the installation of a hydrant assembly on the south side of Oak Terrace. 6" DIP was connected to the 8" DIP using a T-fitting and a valve assembly.

1121: Ludlow just installed a valve operator extension stem to the 6" x 8" valve assembly and a valve box over the valve operator extension stem.

1126 Ludlow using a small compactor on sand around the valve box over the valve operator, and have placed warning tape over installed piping.

1214: Ludlow brings fill up to grade and compacts with Volvo riding compactor. There is 18' between the center of hydrant and center of valve box.

1300: Ludlow excavating through asphalt and reinforced concrete on Main Street next to the intersection of Main and Royal Oak Drive.

1326: Ludlow places a 10' section of 8" DIP to existing water line running down Main Street (across main street and pointed towards Royal Oak Drive) about 30 feet north of station 137+00. This will be part of another hydrant assembly installation that will be performed tomorrow on the south side of Royal Oak Drive.

1420: Ludlow has backfilled over the 10' section of 8" DIP. Hot patch will be delivered soon and placed over areas excavated today.

### Payment Items:

**Res. Representative:**

J. Meunier

**Date:** 3/31/20

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Picture 1: T-fitting used to connect 8" and 6" DIP on Oak Terrace.

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Picture 2: Rock encountered in trench at Oak Terrace.

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Picture 3: Trench box being deployed at Oak Terrace.

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Picture 4: Ludlow preparing bedding for 8" DIP to be placed upon.

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Picture 5: Ludlow excavating trench for 6" DIP.

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Picture 6: View of access road to future water tank from the Talcott Ridge cul-de-sac depicting erosion control View to the southeast.

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Picture 7: Close-up of erosion control fencing seated into the ground.

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Picture 8: Access road to tank pad with erosion control in place. View to the southeast.

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Picture 9: View of tank pad area; view to the northwest.

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Picture 10: View of tank pad area; view to the southeast.

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Picture 11: Installation of T-fitting and valve assembly on Oak Terrace.

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Picture 12: Installation of hydrant assembly on Oak Terrace. View to the south.

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Picture 13: Caution tape placed over 6: DIP on Oak Terrace. View to the north.

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Picture 14: Installed hydrant on Oak Terrace. View to the west.

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Picture 15: Compacting fill at Oak Terrace. View to the west.

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Picture 16: Excavating just north of Station 137+00. View to the southwest.

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Picture 17: Thickness of asphalt and concrete on Main Street just north of Station 137+00.

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