

Daily Report

Project: Date: December 13, 2019 **Durham Meadows Pipeline Installation** Day of Week: **Location:** Middletown and Durham, CT Friday Report No: 47 Project #: AECOM: 60445033 1 of 4 Page: **Contractor: Ludlow Construction**

Weather Conditions

Conditions: Daylight hours. 100% overcast, no wind. **Temperature** (°**F**): High 33°F Low 16°F

Con	tracto	rs &	k St
Trade	#	X	hrs
USACE			
Field Engineer	1	X	8

ontractors Workforce			
Trade	#	X	hrs
Ludlow Construction			
Superintendent	1	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 Op.	1	X	8
Laborers	4	X	8
Total 8 persons + 0 sub. Trucker			
Note that some persons operate			
Multiple pieces equipment.			
Sub-contractor			
Dump truck Operator	0	X	8
Durham Police Dept.			
Police Officer Detail	2	X	8

Equipment in Use			
Туре	#	X	hrs
Concrete/Asphalt Road Saw	0	X	8
Dump truck	1	X	8
Excavator - Large	0	X	8
Excavator - Mid-Size	1	X	8
Excavator - Rubber Wheeled - Rock Hammer	0	X	8
Skid Steer / Bucket Loader	1	X	8
Rolling Compactor	1	X	8
Plate Compactor	0	X	8
Jumping Jack Compactor	0	X	8
Street Sweeper (Broce Broom)	1	X	8
Material Hopper	0	X	8
Pipe saw	0	X	8
Light Tower	0	X	8

Visitors: John Ewanowski

(Middletown Water Dept)

Notes: Todays activities included shimming on Main St. and pressure testing Test 1 Lines on Talcott Ridge and Watch Hill Drives.

Shimming on Main St.: Ludlow was scraping of previous asphalt path and re-applying new asphalt to a stretch of Main St. Roughly 300-400 feet. Two town police officers were directing traffic and had one lane shut down for periods of time.

Northern Land Clearing: No show, Ludlow said that they would be back Monday. There are still some logs to move, chipping on the Tank area to be completed and the vault/meter and booster station sites on Main and Acorn to be cleared. This work is still in the plan for this year.

Water System Pressure Test: At the end of yesterday Test 2 at 200 psi passed (area from the bend in Talcott to the cul-de-sac and upper Watch Hill hydrant) but Test 1 did not pass. While Test 1 held steady during the first hour at 170 psi, something changed in the system when the pressure was increased resulting in poor performance and upset system. It was not determined if trapped air in the line (from slow filling the system and not conducting a full flush of the line) or a leak in the Main St./Talcott tri-valve connection (Main Street Line had no water pressure, so pressure was applied unevenly across the valve) that resulted in the failure. It was decided that the system need to re-equilibrate and be tested again the following day (today). John Ewanowski from the Town of Middletown water department was on-site again today to observe the test.

Test 1: Test 1 includes all 16" DIP piping from the tri-valve connection at the S. Main Street line up to the tri-valve assembly at the bend in Talcott Ridge Drive, 8" DIP spur up lower Watch Hill Drive to the new hydrant, and all 6" hydrant legs. Total footage tested included 1,160 feet of 16" DIP, 213 feet of 8" DIP, and 61 feet of 6" hydrant legs. According to standards acceptable leakage would be about 3.5 gallons at 160 PSI.

Res. Representative:	W. Abrahams-Dematte	Date:	12/13/19



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	necks system and increases the pressure. They	then installed a third gauge at the hydrant lo	cated across from 68
Talcott Ridge.	creased the pressure at the Talcott/Main St. h	riduant to 162 mai and hagan a true have wate	ah
0730 – Ludiow III	creased the pressure at the Talcott/Main St. II	ydrain to 162 psi. and began a two nour wate	JII.
0950 – After obse	rving the system several times during the two	hour test, it was determined that the system	was tight as there was no
	e at any of the three gauges. John Ewanowski		
	Vater and Sewer Dept. Middletown) agreeing		
last item was obta	ined by word of mouth from John Ewanowsk	i at the site. Assumption is that this will become	ome official later.
1000 117 1	I M' C. W. d. I		1 1 200 400
feet of main Stree	ted on Main Street. Weather warmed up enou	igh to scrape off and replace the asphalt patch	along roughly 300-400
rect of main succ			
1300 – Off site.			
Payment Items:			

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Figure 1 – Facing north from the passage seat. View of traffic set up along Main St. Route 17.

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Figure 2 – View looking southeast at the repair work being conducted on Main Street. The excavator scraped off the initial layer place when piping was done and is now re-applying the asphalt to specification.

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