

# AECOM

## Daily Report

<b>Project:</b>	Durham Meadows Pipeline Installation	<b>Date:</b>	December 4, 2019
<b>Location:</b>	Talcott Ridge Drive, Middletown CT	<b>Day of Week:</b>	Wednesday
<b>Project #:</b>	AECOM: 60445033	<b>Report No:</b>	40
<b>Contractor:</b>	Ludlow Construction	<b>Page:</b>	1 of 19

### Weather Conditions

**Conditions:** Daylight hours. 98% clouds, wind 0-5 mph.  
**Temperature (°F):** High 39°F Low 27°F

### Contractors & Subcontractors Workforce

### Equipment in Use

Trade	#	x	hrs	Trade	#	x	hrs	Type	#	x	hrs
USACE				Ludlow Construction				Concrete/Asphalt Road Saw		x	8
Field Engineer	1	x	8	Superintendent	1	x	8	Dump truck	4	x	8
				Safety Officer	1	x	8	Excavator - Large	0	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	1	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
				Flagger	1	x	8	Jumping Jack Compactor	1	x	8
				<i>Total 9 persons + 1 sub. Note that</i>				Street Sweeper (Broce Broom)	1	x	8
				<i>some persons operate mult. equip.</i>				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	0	x	8				

**Visitors:** None

### Notes:

**Stations & Pipe Connections:** Installing Hydrant on Parsons St. off Main Street Station 151+51. Last week they added 20 ft. (assumed full stick, was overseeing Talcott Ridge at time) of 8" DI off the Main Street hydrant T to place the tie-in outside of the state road ROW. Picked up at tie-in adding 24.5 feet (24 ft. 8" DIP plus 0.5 ft. 8" gate valve Tee to hydrant). T-extension to hydrant and hydrant upright. All connections restrained.

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

**Other:** The Parson Street hydrant installation had previously been reported as installed, but the only installation on that date was an extension to bring the hydrant tie-in out of the State ROW.

0730 – On-site. Slow start, warming up equipment.

0830 – Pete (Ludlow) up on Talcott Ridge Dr. filling water lines for testing. Pulling water from active hydrant into new hydrant. Located halfway between the two ends of Watch Hill Dr.

0910 – CT DOT salt shed yard cleaned up and all parts and equipment stored there by Ludlow has been removed to the MMC site.

0930 – Setting 20 feet of 8" restrained piping to be followed by 4 feet of 8" pipe, tee and gate valve for hydrant.

0945 – Ludlow noted that they broke out a 4-foot section of 4" drain pipe that crossed directly in front of the hydrant stand. Pipe section to be repaired.

**Res. Representative:**

W. Abrahams-Dematte

**Date:** 12/04/19

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1000 – Haul road and haul yard appear to be in good shape. No observed gravel pipes at intersections or around entrance to haul yard. May be in part due to plowing from snow storm.

1015 – Ludlow repaired 4” drain line by inserting 4” PVC and Fernco connectors to the existing line. Still preparing to set hydrant.

1148 – 8-foot x 6” DIP extension off gate valve/Tee assembly installed. Hydrant being hooked up to attach to extension.

1210 – Thrust blocks placed at end of lateral from Main Street and behind the hydrant base. Additional blocks were place under hydrant lateral, and under hydrant vertical stem. The blocks under the hydrant had to be shimmed up to support the hydrant and maintain plumb.

1220 – Minor gas spill from generator off the back of the utility pick-up. Unclear why the leak occurred. Pick-up removed from the excavation area and sand placed on spill area. No gas entered the trench. Sand is to be picked up at end and properly disposed.

1242 – Placed stone-dust/sand bedding and compacted with jumping jack compactor. Beginning first lift of 3” processed stone backfill and compaction with the plate compactor.

1300 – Off-site. Backfill and compaction still in progress.

**Payment Items:**

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**Figure 1 – MW-4 well located on MMC. Still visible above the snow line.**

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Figure 2 – Area covered by 4-6 inches snow. Roadways are completely clear. This is shot of MMC driveway entrance.

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Figure 3 – Talcott Ridge cul-de-sac facing southeast. Cul-de-sac cleaned up and all materials removed.

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Figure 4 – Facing west, shot taken from lower Watch Hill Dr. Talcott Ridge Dr. and Main St. intersection. Roads clear and dry.

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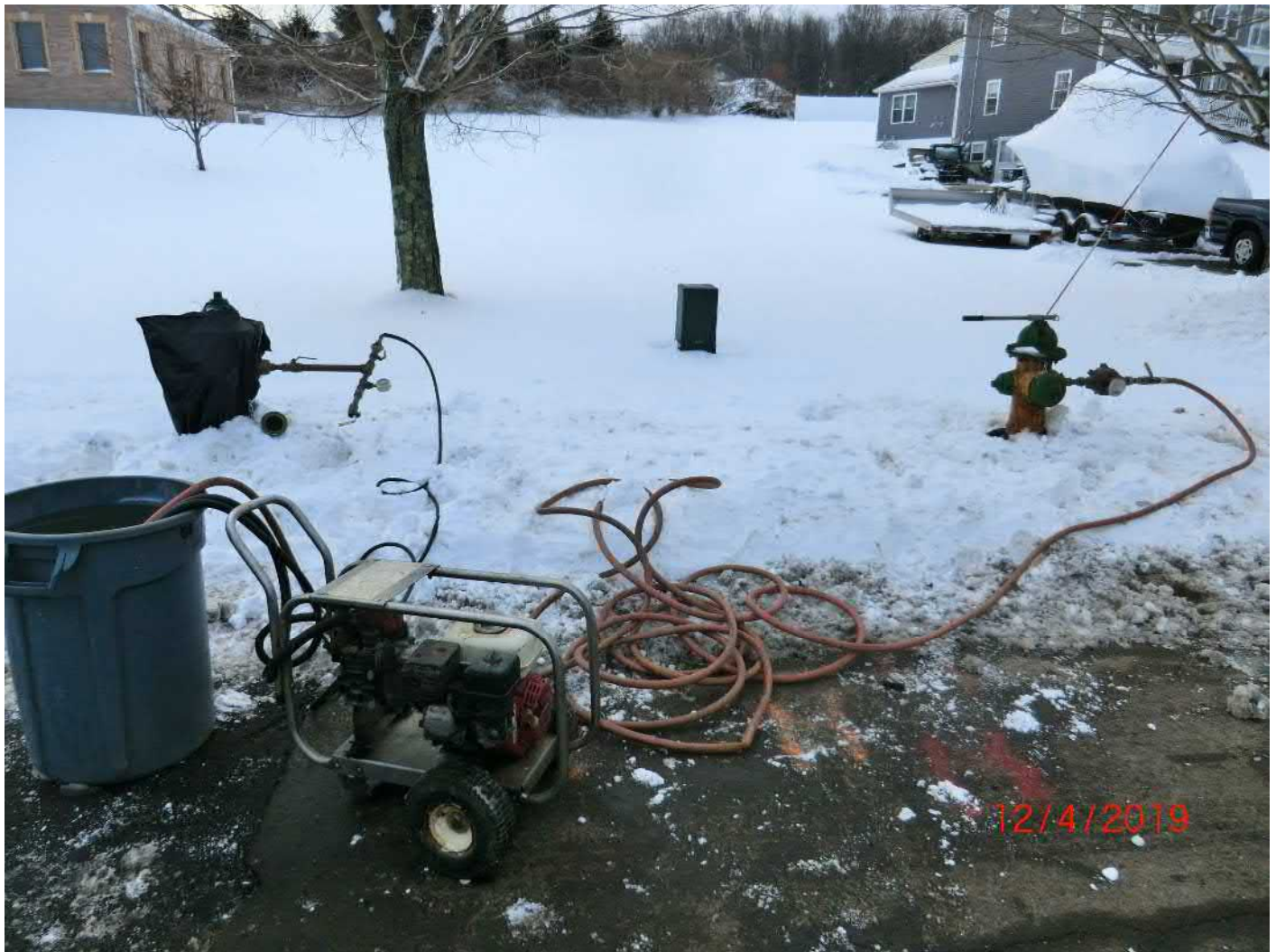


Figure 5 – Facing south midway between lower and upper Watch Hill Dr. on Talcott Ridge Dr. Taking water from existing hydrant and pumping into new water line through new hydrant. Part of the testing procedure.

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Figure 6 – Facing east northeast. CT DOT yard cleared of equipment and materials. Appears that all materials and equipment have been moved down to the MMC site (trailer area).



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Figure 7 – Facing east. Bringing 6” DIP to hydrant. Note that the starting point is out of the State ROW. A section of pipe was added last week to get the hook-up out of the ROW for hydrant install this week. Pipe in trench is just above the groundwater line. Picture shows the installation of the stone ‘burrito’ that will underlay the 6” DIP.

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Figure 8 – Facing west up Parsons St. Turn for new hydrant. Hydrant will be set just beyond the business sign in center of shot.

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Figure 9 – Installing 20 feet of 8” DI pipe with restrained fittings.

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Figure 10 – Facing west. Additional 4.5 feet of 8” DIP, 6” gate valve, and 8”x6” Tee to be installed to end of stick seen in previous figure.

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**Figure 11 – Unexpected 4-inch drain line cutting across Parsons St. Cut out during excavation for lateral line off of Main St.**

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Figure 12 – Drain line repair: 4-inch PVC and Fernco couplings.

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Figure 13 – End of 24 feet of 8” restrained DI pipe. End is 8x8x6 Tee with gate valve installed to feed hydrant installation to right of top picture.

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Figure 14 – Setting hydrant and checking for plumb.



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Figure 15 – Facing south into trench. End of lateral thrust blocking. Red 6” gate valve leads to hydrant, off bottom of picture.

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Figure 16 – Thrust blocking behind hydrant elbow. Also note support blocking for hydrant lateral on right side of picture. Shimmed blocking under hydrant elbow is not visible in this picture.

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Figure 17 – Entire installation trench. On far end is connection to lateral (off Main St. line) previously installed last week to bring connection point outside of State ROW for Route 17 (Main St.). On near side is hydrant (covered in plastic). In center of picture (roughly) is the valve box. On bottom right corner of picture just above the date stamp is the sand that was laid down on the small gas spill. The sand is to be removed later.