

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	October 16, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Wednesday
Project #:	AECOM: 60445033	Report No:	14
Contractor:	Ludlow Construction	Page:	1 of 11

Weather Conditions

Conditions: Daylight hours. Hazy to overcast. Occasional gusts.
Temperature (°F): High 62°F Low 36°F

Contractors & Subcontractors Workforce				Equipment in Use			
Trade	#	x	hrs	Trade	#	x	hrs
USACE				Ludlow Construction			
Field Engineer	1	x	8	Superintendent	1	x	8
				Safety Officer	1	x	8
				Foreman	1	x	8
				Dump truck Operator	3	x	8
				Excavator Operator	2	x	8
				Skid Steer/Bucket Loader Op.	1	x	8
				Laborers	4	x	8
				<i>Total 10 persons + 1 sub. Trucker</i>			
				<i>Note that some persons operate</i>			
				<i>Multiple pieces equipment.</i>			
				Sub-contractor			
				Dump truck Operator	1	x	8
				Middletown Police Dept.			
				Police Officer Detail	0	x	8
				Concrete sawing machine	0	x	8
				Dump truck	4	x	8
				Excavator - Large	1	x	8
				Skid Steer / Bucket Loader	1	x	8
				Plate Compactor	1	x	8
				Jumping Jack Compactor	1	x	8
				Light Tower	0	x	8
				Mid-size Excavator	1	x	8
				Tractor-style Excavator	0	x	8
				Pipe saw	1	x	8
				Rolling Compactor	1	x	8
				Street Sweeper (Broce Broom)	1	x	8
				Material Hopper	1	x	8

Visitors: None

Notes:

Begin at 47+75 and End at 47+27.67 Distance counts down as one proceeds up – east on - Talcott Ridge Dr.; distance is by length of pipe, not by straight/curved line up hill along Talcott. Odd ending point related to installation of 2x22.5⁰ bends.

Photos: Note that time stamps on photos are inaccurate, due to an issue with the camera settings. Attempts to adjust setting have not made a change. Time stamp will be removed tomorrow if it cannot be fixed.

Police detail was not available today, flagger was used instead for traffic control.

0745 – On site: Talcott Ridge Dr. Excavating. Using large (CAT 336E) excavator. First line has not yet been fully dug due to the location and the need to wait for the morning school bus. Begin day at 47+75; first run is to be 11 feet plus a 22.5⁰ bend of 16” DI, which will take it to station 47+64 (approx.).

0850 – First section of 16” DI pipe installed. 11 feet of pipe with a 22.5⁰ bend to the north. Station 47+64, elevation of top of bend 357.51, depth below top of asphalt 7.03 feet to top of bend. See Figures for tie-offs.

0945 – Remaining 9 feet of 20-foot section of 16” DI pipe installed after the bend.

Res. Representative:

W. Abrahams-Dematte

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1015 – Extending trench diagonally to account for shift/narrowing of Talcott Ridge Dr., just past the first intersection with Watch Hill Drive. The process is slowed by the need to locate electrical/TV conduits.

1100 – Conduits located at a depth of 3.5-4 feet. Similar string of 7 lines laid out horizontally. While excavation around the conduit lines continues, a three valve T-section for the 8” replacement line to the Watch Hill Drive Hydrant is being rebuilt after finding that the flange for the 8” T-off was missing a bolt hole. – Note that this assembly will not be installed till tomorrow.

1200 – Still excavating around the conduits. The density/strength of the material around the conduits is very high.

1230 – Setting stone bed for third run of pipe – 20 feet of 16” DI. The bell at the end of the pipe stops just about 2 feet shy of the conduit.

1330 – Building fourth section of pipe. 7 feet of 16” DI ending in a second 22.5⁰ bend to the south, several feet past the conduit. The combination of the two bends shifts the 16” water line approximately 25 feet to the north.

1400 – Fourth section of 16” DI set to the final station for today at 47+27.67. This is a total of 47 feet of 16” DI with 2 bends. With the end of day shift towards backfill and paving, the tie-ins and elevational shot for the second bend will be confirmed tomorrow. The numbers shown in the Figure are estimates (due to having to measure around the road box).

1430 – Off-site.

Payment Items:

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Figure 1 – Station 47+75. Starting point. Disregard time stamp.

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Figure 2 – Facing NW, Picture of 22.5° bend installation. First section of the day. Disregard time stamp.

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Figure 3 – Picture taken facing west from corner of Watch Hill and Talcott Ridge Drives. Overview of start of day. Disregard time stamp.

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Figure 4 – Disassembling 3-valve T-section. Note the 11-o'clock position on the 8-inch flange (center of shot). There is no bolt hole in the flange. New retainers used in the reconstruction. Disregard time stamp.

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Figure 5 – Facing east into trench. Excavating around electrical/tv conduits. Disregard time stamp.

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Figure 6 – Facing east, only full 20-foot run of 16” DI installed today. Trench box is 24 feet. Disregard time stamp.

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Figure 7 – End of 20-foot section of pipe, approximately 2 feet short of the conduit. Disregard time stamp.

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Figure 8 – View of reconstructed assembly shown in Figure 4. This is the Watch Hill Drive 8” Tee-section (to be installed tomorrow on 10/17/19). The left and right are 16” butterfly valves and the center valve is an 8” gate valve. Disregard time stamp.

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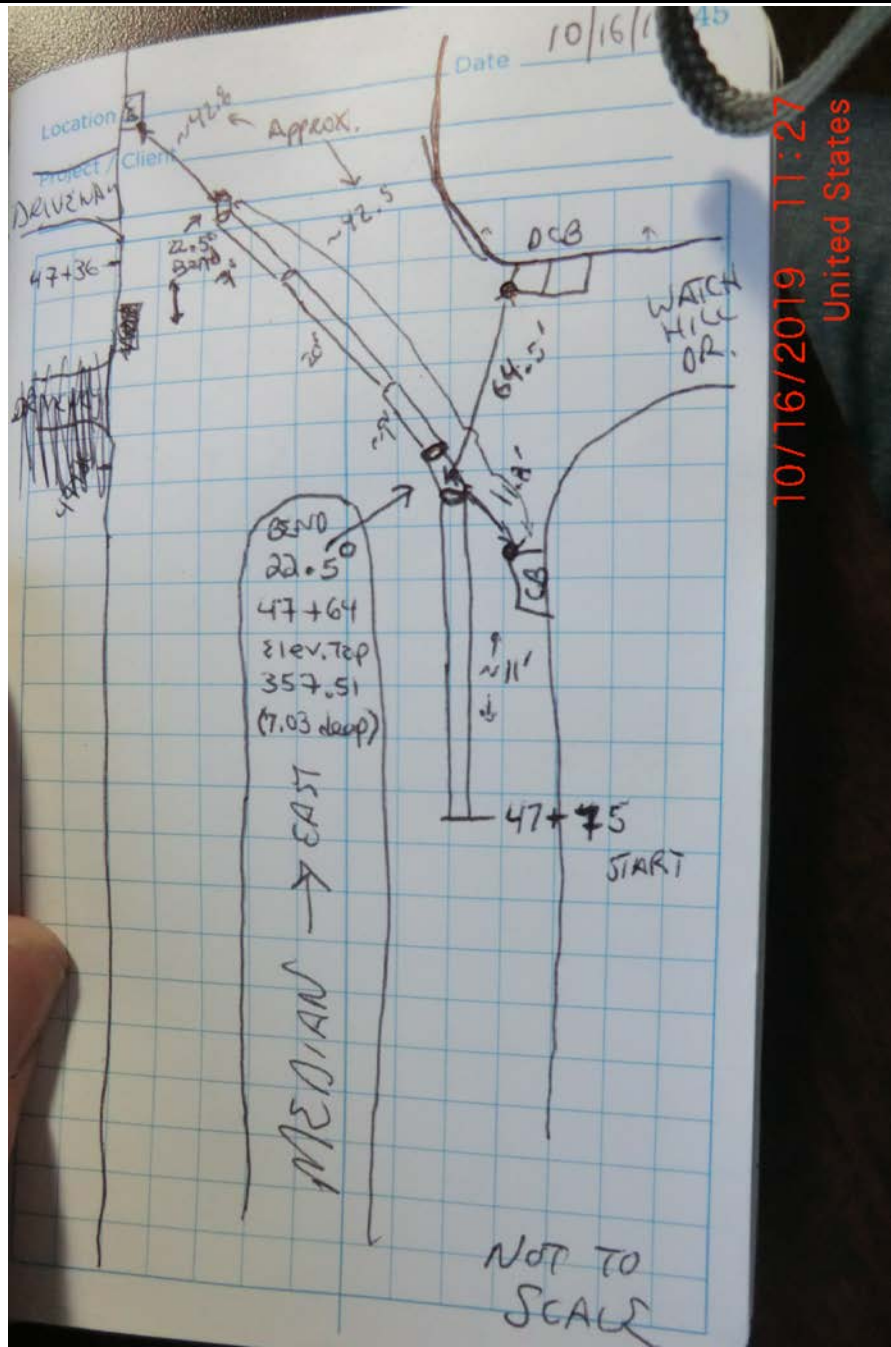


Figure 9 – Diagram of construction and tie-offs. Note that tie-offs to the second bend (at the end of the line) are approximate and need to be confirmed tomorrow. Ending Station 47+27.67 Disregard time stamp.