		Daily I	Rep	or	rt		
Project:	Durham Meador	ws Pipeline Installation				Date:	October 22, 2019
Location:	Talcott Ridge D	rive, Middletown CT				Day of Week:	Tuesday
Project #:	AECOM: 60445					Report No:	18
Contractor:	Ludlow Constru					Page:	<b>1</b> of <b>13</b>
Contractor.	Eddlow Collstic	letion					
		Weather C	ond	itio	ns		
Conditions:	Daylight	hours. 100% Overcast.					
<b>Temperature</b> (°F)		58°F Low 46°F					
Co		ocontractors Workforce		-		Equipment in	
Trade	# x hrs	Trade	#	х	hrs	Туре	# x hrs
USACE		Ludlow Construction				Concrete sawing machine	0 x 8
Field Engineer	1 x 8	Superintendent	1	х	8	Dump truck	5 x 8
	1 A 0	Safety Officer	1	x	8	Excavator - Large	1 x 8
		Foreman	1	x	8	Skid Steer / Bucket Loader	1 x 8
		Dump truck Operator	2	x	8	Plate Compactor	1 x 8
		Excavator Operator	2	x	8	Jumping Jack Compactor	1 x 8
		Skid Steer/Bucket Loader Op.	1	x	8	Light Tower	0 x 8
		Laborers	4	x	8	Mid-size Excavator	1 x 8
		Total 9 persons + 1 sub. Trucker	<u> </u>	A	0	Tractor-style Excavator	0 x 8
		Note that some persons operate				Pipe saw	1 x 8
		Multiple pieces equipment.				Rolling Compactor	1 x 8
		Sub-contractor				Street Sweeper (Broce Broom)	1 x 8
		Dump truck Operator	1	х	8	Material Hopper	1 x 8
		Middletown Police Dept.	-	A	0		
		Police Officer Detail	1	х	8		
		i olice officer Detail	1	Λ	0		
Visitors: None Notes:							
Begin at 43+49.34 a length of pipe, not " Pipe Connections: Sediment Control: Heavy T-storms exp Compaction Testin and at 42+54. Neithe More details below.	road distance" up Unrestrained thru Kurt (USACE) h bected tonight. ag: First compact: er location was fu	phill along Talcott. 1 42+49.34, then restrained through 1 had some discussion with Billy 1 ion testing completed at 48+75 1 ull 5 lifts of testing; 4 upper lift	ough (Luo on 0 ts tes	dlov Octo	+49. w) at ober at fi	ls up – east on - Talcott Ridge Dr. 34. bout silt fencing and equipment or 17 <sup>th</sup> . Compaction testing today to irst location and 1 lower lift at the excavator. Begin day at 43+49.34	n Main Street. ook place at 43+49 second location.
		-foot run of unrestrained 16" D					1 0

0900 – Third 20-foot section of unrestrained 16" DI installed to 42+89.34 and covered with 1-foot lift of stone dust.

**Res. Representative:** 

W. Abrahams-Dematte

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0920 – Fourth 20-foot section of unrestrained 16" DI installed to 42+69.34 and covered with 1-foot lift of stone dust. Currently in hold waiting on to empty truck of 3 inch processed, so it can be refilled with trench cuttings.

0945 – Fifth 20-foot section of unrestrained 16" DI installed to 42+49.34. Last section unrestrained. Next section restrained.

1010 – Sixth 20-foot section 16" DI – restrained – installed to 42+29.34. First set of locks will be installed at this station.

1037 – Installing seventh 20-foot section of 16" DI to 42+09.34.

1049 – Compaction testing at location 43+49. First test at 16"-28" below top of blacktop results: 95.6% with 1.1% moisture obtained on first test. Because this section was already backfilled, the contractor excavated a foot off the top and the second test was conducted at 28'-40" below top of blacktop. The first try resulted in 89% with 2.3% moisture. Additional compaction was done using a jumping jack and the second test resulted in 95.4% with 2.9% moisture. Rather than dig deeper for next lift, moved down installation to station 42+54.

1110 – Station 42+54 compaction testing of 3" processed fill lift at 40"-52". First test resulted in 94.2% compaction. Additional compaction by plate compactor had to be done twice before final compaction passed (3<sup>rd</sup> test at 40"-52") with 98.7% compaction and 2% moisture.

1137 – Eighth 20-foot section of 16" DI installed to 41+89.34.

1140 – Returned to Station 43+49 and ran compaction testing 9"-16" (95%, 2.3% moisture) and 2"-7" (95.1%, 2.9% moisture). Both lifts compacted by roller, passed first try.

1210 – Nineth 20-foot section of 16" DI installed to 41+69.34.

1230 – Tenth 20-foot section of 16" DI installed to 41+49.34. Install total 200 feet 16" DI pipe. First 100 feet (43+49.34 to 42+49.34) unrestrained pipe followed by 100 feet (42+49.34 to 41+49.34) of restrained pipe. Run ends just short of several bends and hydrant tees that will be installed tomorrow. No utilities were crossed during todays run, however, there are several expected tomorrow.

1300 – Left site for MMC trailer to complete report.

#### **Payment Items:**

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Figure 1 – Facing east. Digging trench for pipe.

**Res. Representative:** 

W. Abrahams-Dematte

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Figure 2 – Facing east into trench. Setting fabric in base of trench.

**Res. Representative:** 

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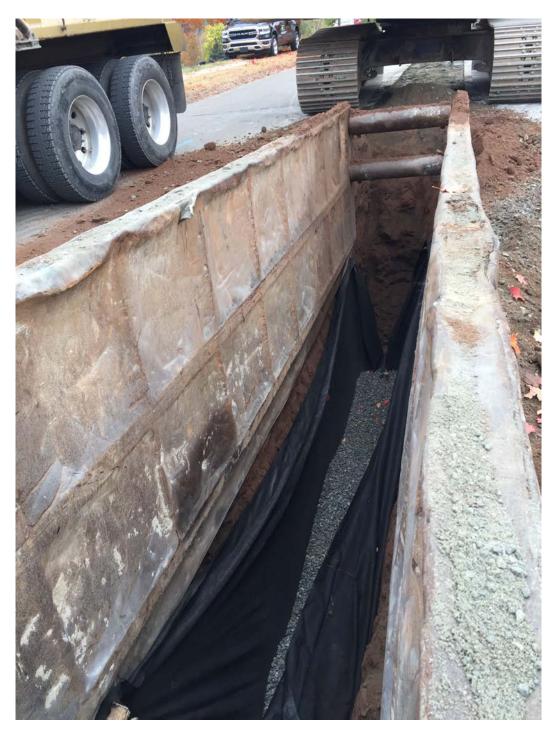


Figure 3 – Looking eastward into trench. Geotextile fabric with 1 foot of stone. Note trench box magnets used to hold fabric in place while stone is put into trench (magnet can be seen in bottom left corner of shot).

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Figure 4 – Picture facing east into trench. The so called 'gravel burrito'.

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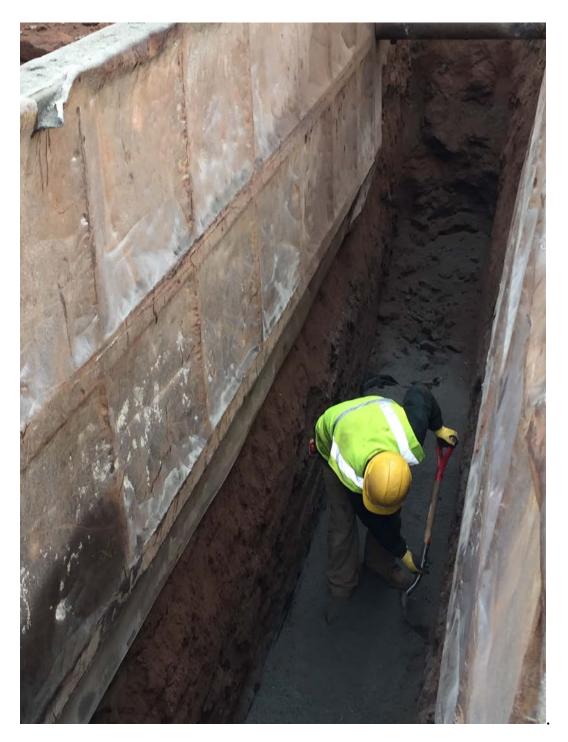


Figure 5 – Facing east into trench. The 'burrito' covered by approximately 3"-4" of stone dust and rough leveled.

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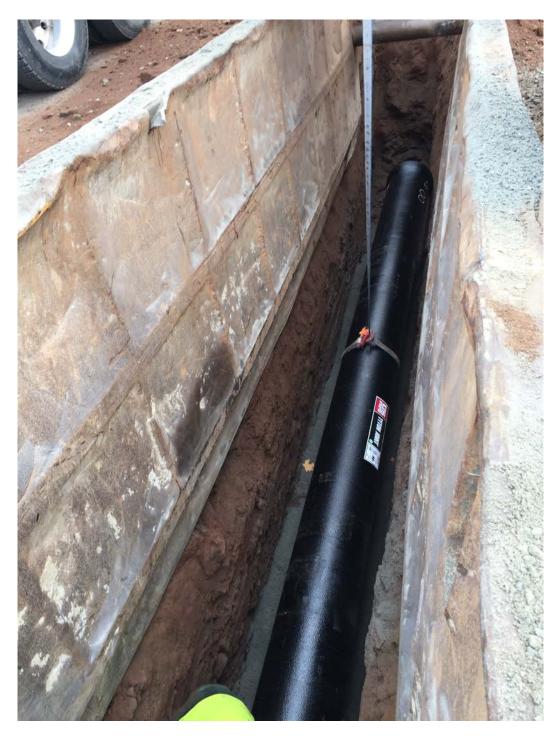


Figure 6 – Facing east into trench. Pipe set into trench.

Res. Representative:

W. Abrahams-Dematte

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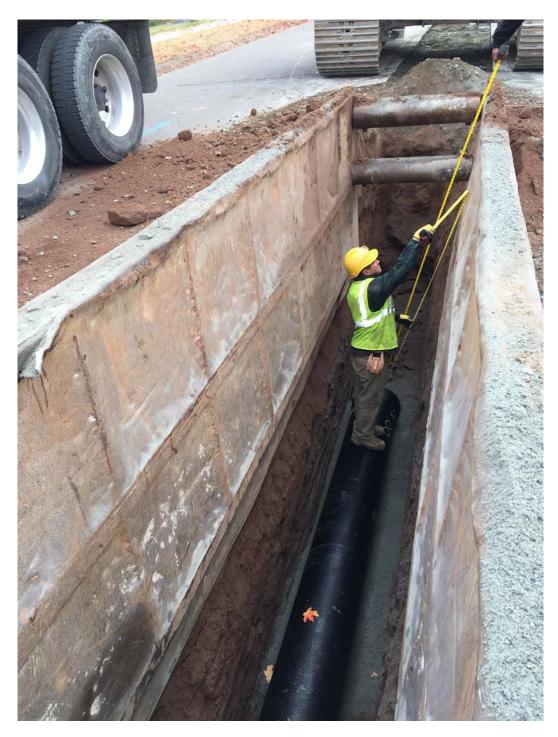


Figure 7 – Facing east into trench. Depth of pipe checked and adjusted as necessary.

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Figure 8 – Facing into trench. Unrestrained connection. Pipe seated in bell of previous section.

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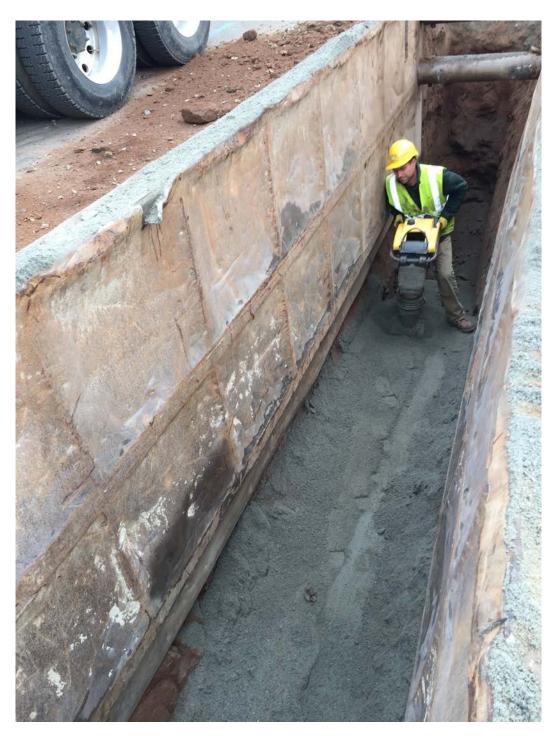


Figure 9 – Facing east into trench. First lift around and over pipe. Stone dust being compacted using Jumping Jack. Next is "Caution Water Line" tape followed by 3" processed fill lift of 12 inches, usually compacted by plate compactor.

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Figure 10 – Compaction testing at 42+54. Deepest level tested. Additional levels tested at 43+49.

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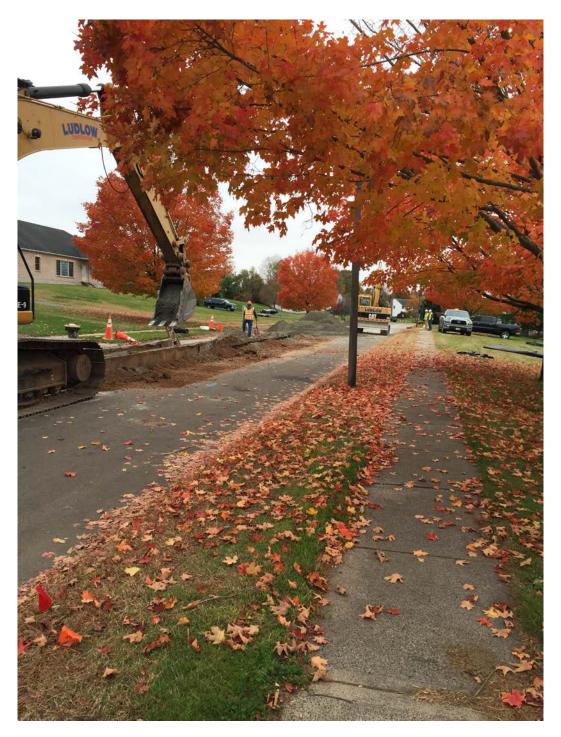


Figure 11 – Facing west along Talcott Ridge Drive.

**Res. Representative:**