		Daily R	eport		
Project:	Durham Meadow	s Pipeline Installation		Date: November	c 12, 2019
Location:	Talcott Ridge Dri	ve, Middletown CT		Day of Week:	Tuesday
Project #:	AECOM: 604450	33		Report No:	28
v	Ludlow Construct	tion		Page:	1 of 13
		Weather C	onditions		
Conditions:	Davlight	hours. Cloudy, rain, snow, win	nds variable f	5-20 mph	
Temperature (°F)	•••	49°F Low 31°F		20 mpm	
Temperature (F)): High	+9 I [*] LOW 51 I [*]			
Co	ontractors & Sub	contractors Workforce		Equipment in Use	
Trade	# x hrs	Trade	# x hrs	Туре	# x hrs
USACE		Ludlow Construction		Concrete/Asphalt Road Saw	0 x 8
Field Engineer	1 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	1 x 8
		Sub-contractor		Pipe saw	0 x 8
		Dump truck Operator	1 x 8	Light Tower	0 x 8
		Middletown Police Dept.			
		Police Officer Detail	1 x 8		
Visitors: NON Notes: Begin at 32+04.62		9.04 – ADJUSTED Distance.	Note: the in	itial starting point at the junction of Ta	alcott
Ridge Dr. and So. 3 51+72, however, af adjusted, however, reported. That me	Main Street (RT) fter a review by I , <u>Stations reporte</u> eans 4.83 will hav	E. 17) was off by 4.83 feet. In Ludlow, that distance should ed in Daily Daytime reports f	iitially on Oo have been 5 <u>`rom Octobe</u> stations dur	ctober 7, 2019 the starting point was rep 1+76.83. Moving forward the distance r 7 through 29, 2019 will be off by 4.83 ing this time frame. Distance counts do	ported as will be <u>feet as</u>

Road Distance vs. Pipe distance: This has been an on-going issue compounded by the direction the station numbers are laid out (i.e. counting down as one proceeds up Talcott Ridge Drive. Just as a point of clarification, the difference in numbers is related to the physical track of the pipe, which is not strait and level as the road distance shown on plan. Both vertical pitch and horizontal deflection/bends contribute to the distance. For reference, "pipe" distance at station 34+04.62 matches to "road" distance station of 34+11. Distances reported in the daytime daily reports are pipe distance.

Pipe Connections: Unrestrained 16" DI pipe connections for 25 feet today from 32+04.62 to 31+79.04. 16" pipe transitioned to a 16'x20" reducer via a restrained connection, transitioning to a ~2' section of 20" pipe via another restrained connection, which was then connected to 20"x20" union (with a 6" tee with a gate valve) via a restrained connection. The 20"x20" union connected to a 20' section of 20" pipe, followed by 2 more sections of 20' pipe via unrestrained connections. 20" pipe work ran from 31+79.04 to 31+16.31.

Compaction Testing: No Compaction testing today.

Res. Representative:

J. Meunier

Date: 11/12/19

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	2 of 13

0730 – On-site. First length of 16" pipe in place being covered with sand and overlain by silver/blue caution tape. Pipe runs from 32+04.62 to 31+84.62. Sand is compacted after placement.

0830 – 5' section of 16" pipe is added using an unrestrained connection.

0915 - Assemblage of connections comprised a 16'x20" reducer transitioning to a ~2' section of 20" pipe transitioning to 20"x20"x6" hydrant tee and 6" gate valve is placed in the trench and connected to the 16" pipe from approximately 31+79.62 to 31+76.31.

1115 – Ludlow having difficulty connecting first stick of 20" pipe to the 20" tee with 6" gate valve.

1150 – Ludlow succeeds in fitting first stick of 20" pipe to the 20" hydrant tee.

1217 – Ludlow covering first stick of 20" pipe with sand, compacting sand, and covering with silver/blue caution tape.

1235 – Ludlow places second (unrestrained) stick of 20" pipe, covers with sand, compacts sand, and covers with silver/blue caution tape.

1235 – Ludlow places third (unrestrained) stick of 20" pipe, covers with sand, compacts sand, and covers with silver/blue caution tape.

1310 – Ludlow backfilling and compacting fill in trench. 20" pipe placement terminated at 31+16.31. Plywood placed in front of open end of pipe prior to backfilling. ³/₄" gravel was arriving for placement from 0-14" BSG as I departed site.

Payment Items:

Daily Report

	JF		
Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	3 of 13



Figure 1 – First section of placed 16" pipe, view to the south.

		-	
Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	4 of 13

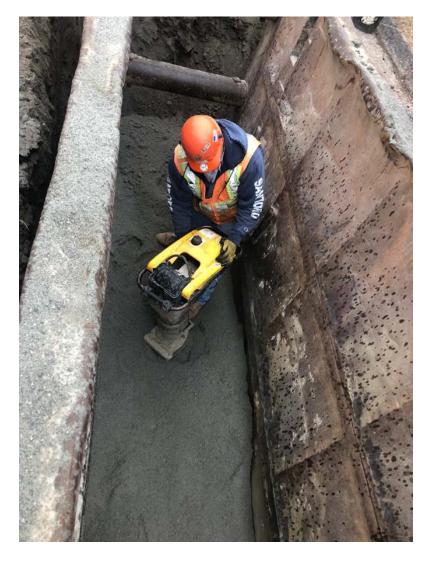


Figure 2 – Compacting sand placed over first section of placed 16" pipe, view to the south.

	JF		
Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	5 of 13
	-		

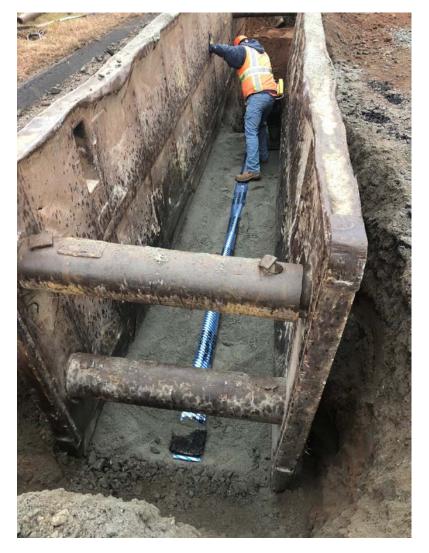


Figure 3 – Silver/blue caution tape placed over 16" pipe, view to the south.

	JF		
Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	6 of 13
	-		



Figure 4 – 16''x20'' reducer on the left and 20''x20''x6'' hydrant tee on the right.

Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	7 of 13
	·		



Figure 5 – 16"x20" reducer connected to 20"x20"x6" hydrant tee with a ~2-foot section of 20" pipe.

	JF		
Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	8 of 13



Figure 6 – Trench box being placed in trench.

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Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	9 of 13
	•		



Figure 7 – 3" minus gravel being placed in trench. View to the northeast.

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	10 of 13
	•		



Figure 8 – Installation of 16''x20'' reducer and 20''x20''x6'' hydrant tee. View to the south.

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Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	11 of 13
	·		

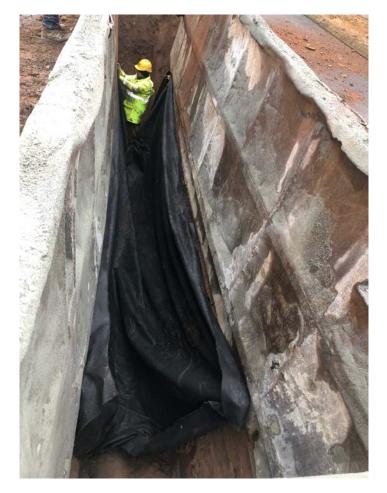


Figure 9 – Placement of geotech fabric on bottom of trench. View to the south.

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	12 of 13



Figure $10 - \frac{3}{4}$ " minus gravel placed on top of geotech fabric. View to the south.

JJ			
Project:	Durham Meadows Pipeline Installation	Date:	November 12, 2019
Location:	Talcott Ridge Drive, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	28
Contractor:	Ludlow Construction	Page:	13 of 13
	-		



Figure 11 – Compacting 3" minus gravel in trench. View to the north.