

Daily Report

Project:	Durham Meadows Pipeline Installation
Location:	Talcott Ridge Road, Middletown CT
Project #:	AECOM: 60445033
Contractor:	Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 1 of 13

Weather Conditions

Conditions:	Day			
Temperature (°F):	High	73°F	Low	54°F

Contractors & Subcontractors Workforce					Equipment in Use						
Trade	#	x	hrs	Trade	#	x	hrs	Type	#	x	hrs
USACE				Ludlow Construction				Concrete sawing machine	0	x	8
Field Engineer	1	x	8	Superintendent	2	x	8	Dump truck	3	x	8
				Safety Officer	1	x	8	Excavator - Large	0	x	8
				Dump truck Operator	1	x	8	Skid Steer / Bucket Loader	1	x	8
				Excavator Operator	1	x	8	Plate Compactor	0	x	8
				Skid Steer Operator	1	x	8	Jumping Jack Compactor	2	x	8
				Laborers	4	x	8	Light Tower	0	x	8
								Mid-size Excavator	2	x	8
								Tractor-style Excavator	1	x	8
				Sub-contractor				Pipe sawing machine	0	x	8
				Dump truck Operator	1	x	8	Rolling Compactor	0	x	8
								Street Sweeper (Broce Broom)	0	x	8
				Middletown Police Dept.							
				Traffic officer	1	x	8				

Summary of Work

Visitors:

Notes:

0700 – on site – Town Yards
0705 – Load of 16” DI pipe arrives
0715 – Tailgate meeting.
0735 – Police detail in place. Mid-size excavator begins excavating at the T-section, corner of South Main St. and Talcott Ridge Rd.
---- – START 51+93
0800 – Using midsize excavator due to confined space at this location. Curt (USACE) on-site
0830 – Excavation ran into 18” drain pipe (expected). Had to remove because the down-flow end was 18” coupling but the up-flow end was mis matched to a 15” pipe. Ludlow removed and put aside.
0900 – Excavation ran into water table at approximately 6-12 inches below invert of Tee-section. At approximately 8 feet below grade.
0915 – Continued excavation, mobilize road boxes to be installed.
0930 – Contractor adding gravel to hole due to water influx. Installing sump pump and silt traps in catch basins to handle water purged from hole.
1015 – Due to the crossing of two stormwater drain near the Tee-section, Ludlow had to spend a bit of time maneuvering the road-boxes into place.
1030 – Setting geotextile fabric and foot of gravel. Once wrapped added stone dust on top of gravel.
1100 – 20 feet of 16” DI installed with mega-lug retainer.
1115 – Jumping Jacks compacting bedding around and above pipe. Compaction in 12 inch lifts.
1145 – Continue compaction in lifts. Replacing 18” stormwater drain. Due to mis-match in pipe size, bricks were used to plug holes, then geotextile wrap and duct taped around joint.
1200 – Cement placed on and around both ends of replaced stormwater drain and over tamped stone dust above Tee-joint connection.

Res. Representative:

W. Abrahams-Dematte

Date: 10/07/19

Daily Report

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Project #:	AECOM: 60445033	Report No:	9
Contractor:	Ludlow Construction	Page:	2 of 13

1215 – A discussion arose about compaction testing. Ludlow noted that they were not doing testing on Talcott Ridge, USACE thought differently. Phone calls were made to Rich Berlandy (AECOM) to confirm specs. Specs note once per day and once minimum in 500 feet. Ludlow in turn called in with different interpretation. Clarification is still pending. Carl (USACE) is checking on the reference. No compaction testing was conducted today.

1250 – Trench back-filled and on final compaction lift. Stone dust lifts to approximately 3 feet below grade, then soil/gravel fill. Last two lifts 7 inches.

1300 – Off-site. Trench waiting for asphalt for final 2” temporary patch. END 51+73.

Payment Items:

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Location: Talcott Ridge Road, Middletown CT
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Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 3 of 13



Figure 1 – First of two pipe deliveries.

Daily Report

Project: Durham Meadows Pipeline Installation
Location: Talcott Ridge Road, Middletown CT
Project #: AECOM: 60445033
Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 4 of 13



Figure 2 – Start of operations. Note 52+00 in foreground. START 51+93 – Tee-connection.

Daily Report

Project: Durham Meadows Pipeline Installation
Location: Talcott Ridge Road, Middletown CT
Project #: AECOM: 60445033
Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 5 of 13



Figure 3 – Mis-matched 18" (left) to 15" (right) stormwater drain.

Daily Report

Project: Durham Meadows Pipeline Installation
Location: Talcott Ridge Road, Middletown CT
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Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 6 of 13



Figure 4 – Stormwater drain section removed. Looking up flow at 15” opening. Pipe on chain is 18”. Catch Basins top center of picture.

Daily Report

Project: Durham Meadows Pipeline Installation
Location: Talcott Ridge Road, Middletown CT
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Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 7 of 13



Figure 5 – Second storm drain center of picture. Note gravel in pit placed because of water infiltrations. 15" drain behind road-box.

Daily Report

Project: Durham Meadows Pipeline Installation
Location: Talcott Ridge Road, Middletown CT
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Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 8 of 13



Figure 6 – Geotextile fabric and gravel base installation.

Daily Report

Project: Durham Meadows Pipeline Installation
Location: Talcott Ridge Road, Middletown CT
Project #: AECOM: 60445033
Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 9 of 13



Figure 7 – 16" DI pipe installation

Daily Report

Project: Durham Meadows Pipeline Installation
Location: Talcott Ridge Road, Middletown CT
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Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 10 of 13



Figure 8 – Connection with MJ retainer gland. Note sump line hose.

Daily Report

Project: Durham Meadows Pipeline Installation
Location: Talcott Ridge Road, Middletown CT
Project #: AECOM: 60445033
Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 11 of 13



Figure 9 – Compacting pipe bedding lifts

Daily Report

Project: Durham Meadows Pipeline Installation
Location: Talcott Ridge Road, Middletown CT
Project #: AECOM: 60445033
Contractor: Ludlow Construction

Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 12 of 13



Figure 10 – Using bricks to fill gap at 15"/18" stormwater pipe connection. Gap filled with brick pieces, followed by wrapping in geotextile fabric, and duct tape ends.

Daily Report

Project: Durham Meadows Pipeline Installation
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Date: October 07, 2019
Day of Week: Monday
Report No: 9
Page: 13 of 13



Figure 11 – Cement cover over stormwater drain connections and T-connection. Note valve boxes.