

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	April 17, 2020
Location:	Main Street, Water tank, Durham & Middletown, CT	Day of Week:	Friday
Project #:	AECOM: 6061487	Report No:	60
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions

Conditions: Daylight hours. Partly cloudy, winds variable 0-7 mph.
Temperature (°F): High 51°F Low 37°F

Contractors & Subcontractors Workforce						
Trade	#	x	hrs	Trade	#	x hrs
USACE				Ludlow Construction		
Field Engineer	1	x	8	Superintendent	0	x 8
				Safety Officer	1	x 8
				Foreman	2	x 8
				Dump truck Operator	4	x 8
				Excavator Operator	4	x 8
				Skid Steer/Bucket Loader	1	x 8
				Laborers	6	x 8
				<i>Note that some persons</i>		
				<i>Multiple pieces equipment.</i>		
				Sub-contractor	1	x 6
				Middletown Police Dept.	0	x 8
				Police Officer Detail	2	x 8

Equipment in Use			
Type	#	x	hrs
Concrete/Asphalt Road Saw	1	x	8
Dump truck	5	x	8
Excavator – Large	3	x	8
Excavator - Mid-Size	1	x	8
Excavator - Rubber Wheeled – Rock	0	x	8
Skid Steer / Bucket Loader	1	x	8
Rolling Compactor	1	x	8
Plate Compactor	1	x	8
Jumping Jack Compactor	1	x	8
Street Sweeper (Broce Broom)	1	x	8
Material Hopper	0	x	8
Pipe saw	1	x	8
Light Tower	0	x	8

Visitors: Steve Wright, CTDOT.

Notes:

Pipe Connections and Installations: Ludlow placed 105' of 16" DIP (Station 160+05 to Station 161+10), a Tee and valve box (Station 160+90), a 16" butterfly valve (Station 161+10), a 16"x16"x16" Tee (Station 161+14), and a 16" butterfly valve (Station 161+18), a hydrant assembly (Station 14+69) and an air release valve (Station 17+91).

Update on yesterday's quantities: Ludlow states that they placed 139.95' of 20" restrained DIP from Station 12+52 to Station 11+14 on 4-16-20. In addition, Ludlow states that they placed 10' of 6" DIP (Station 137+73), a Manual Water Main Drain (Station 137+73), 9.78 cubic feet of bank run gravel, and performed 12' of saw cutting on a State road (6' at Station 137+73 and 6' at Station 128+58).

Compaction Testing: JTC was present to perform compaction testing today. The results of the testing are as follows:

Station 160+00
 99% - 5.5%
 97.3% - 6.4%
 97.5% - 6.1%
 98.6% - 4.5%
 97.9% - 5.1%

Res. Representative:

J. Meunier

Date: 4/17/20

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Station 160+25

96.1% - 5.6%
 95.7% - 6.4%
 99.5% - 6%
 97.3% - 5.2%
 96.9% - 4.1%

Station 160+50

96.8% - 6.4%
 97.2% - 5.8%
 96.9% - 5.5%
 96.6% - 4.1%
 97.7% - 4.8%

Station 160+75

95.0% - 5.3%
 96.3% - 5.4%
 97.7% - 6.0%
 98.2% - 5.1%
 97.4% - 6.1%

Station 161+00-761+15 (T Joint)

99.2% - 5.0%
 99.7% - 4.2%
 98.4% - 4.8%
 97.5% - 4.9%
 98.5% - 5.9%

Additional data: None.

Daily Activities

0715: arrive on site. One Ludlow crew is working near the top of the tank access road near the tank pad. They are preparing to perform a pressure test; testing apparatus is connected to a temporarily-installed fitting.

0730: A second Ludlow crew has begun to excavate on the southbound lane of Main Street at Station 160+05, moving in a southbound direction. Ludlow is currently excavating and liveloading asphalt and concrete from the trench and into dump trucks.

0825: Ludlow has daylighted a storm drain running perpendicular to Main Street. The corrugated metal pipe was observed to have several holes corroded through its walls. Ludlow is encountering a small amount of water in the bottom of the trench which they are currently pumping the adjoining field located west of the excavation.

0855: Ludlow has daylighted the blanked-off end of the previously installed 16" DIP water line. Ludlow removed the cap off the end of the pipe and a 2' section of 16" DIP that was attached to the cap and will start to connect additional sections of 16" DIP here.

0914: Ludlow has connected a 20' section of 16" DIP to the end of the previously installed pipe that was just daylighted from ~ Station 160+05 to ~Station 160+25.

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0925: Ludlow has placed a second 20' section of 16" DIP from ~ Station 160+25 to ~Station 160+45.

0950: Ludlow has placed a third 20' section of 16" DIP from ~ Station 160+45 to ~Station 160+65.

1030: Ludlow preparing to install a hydrant assembly today at Station 14+69.

1050: JTC takes first compaction test today off of the first 8" lift of 3"- minus gravel at ~Station 160+10. Ludlow has placed a fourth 20' section of 16" DIP from ~ Station 160+65 to ~Station 160+85.

1105: Ludlow is Station 160+90, placing a 3' section of 16" DIP with a 16"x6"x16" with a 6"x6" valve box attached to it.

1127: Ludlow currently discharging water from the excavation down Main Street south into a catch basin at the corner of Main Street and Route 147. The catch basin is not outfitted with a sock or other means to filter out silt. I notified the USACE representative about the situation. He instructed Ludlow to place a silt sock in the catch basin.

1200: Steve Wright from Connecticut DOT arrives at the excavation work being performed on Main Street.

1215: Ludlow places a silt sock in catch basin at corner of Main Street and Route 147.

1232: Ludlow is installing a 1" air release valve at Station 17+91.

1325: Ludlow installs a 16" butterfly valve (Station 161+10), a 16"x16"x16" Tee (Station 161+14), and a 16" butterfly valve (Station 161+18).

1340: Ludlow finishing installation of hydrant assembly across from 212 Talcott Ridge Drive at Station 14+69. They have also placed a valve stem onto the valve box that comes off of the 20" DIP they connected to.

1410: Ludlow backfilling trench at Main Street. JTC still present on site to collect soil compaction data. Depart Site.

Payment Items:

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Picture 1: Ludlow placing temporary air release on 20" DIP at the top of the tank access road in order to perform pressure test.

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Picture 2: Ludlow pumping water from a temporary dewatering well placed at ~Station 15+00.

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Picture 3: Section of metal storm drain pipe with holes corroded through its walls that Ludlow has wrapped in filter fabric prior to backfilling at ~Station 160+20.

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Picture 4: Ludlow preparing to install a hydrant assembly today at Station 14+69. View to the southeast.

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Picture 5: JTC personnel performing soil compaction test at ~Station 160+10.

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Picture 6: Butterfly valves and piping that were installed from Station 161+10 to Station 161+18.

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Picture 7: Water being pumped from excavation at ~Station 160+90 and being discharged to catch basin on the corner of Main Street and Route 147.

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Picture 8: Ludlow tapping 16" DIP to install fitting for curb stop at ~Station 161+05.

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Picture 9: Tee and valve box installed at Station 160+90 for future installation of fire hydrant assembly.

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Picture 10: Hydrant assembly being backfilled at Station 14.69.