

**QUALITY ASSURANCE REPORT (QAR)
DAILY LOG OF CONSTRUCTION**

REPORT NUMBER 492 Page 1 of 1

DATE
23 Apr 2020 - Thursday

PROJECT
Durham Meadows Waterline Remedial Design

CONTRACT NUMBER
W912WJ19C0002

CONTRACTOR
Ludlow Construction Co., Inc.

WEATHER
Weather Caused No Delay
Temperature Min 28 °F Max 47 °F
No Precipitation 10 MPH Wind

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE WIND

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE	MINIMUM	MAXIMUM	
0 %	0 %	0 %	0 %	0 %	28 °F	47 °F	10 MPH

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO FACT? NO YES (Explain)

24 HOUR PRECIPITATION

INCHES	ENDING
0.00	M

NUMBER OF GOVERNMENT EMPLOYEES

RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR	FEET	TIME
1	0	0	2	3	0	0.0	M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
0	0	0	0	0700	1730 M	M	M	M	M

Attach a list of the following. (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.
NOTE: if the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

QA NARRATIVES

Contractor/Subcontractor & Area of Responsibility for Work: Unresolved Issue: No Shift: 1

Robert Christie
Project involves installing water main from a new Middletown Water Tank into Durham and tying into homes & businesses:

- Prime Contractor: Ludlow - Installing watermain & associated components.
- Subcontractor: ACE Consulting - SSHO Rob Peddicord & CQC Jerry Brandon
- Subcontractor: Connecticut Traffic Control - 0
- Subcontractor: John Turner Consulting - YES (Steve)
- Subcontractor Vellieux - 0
- Middletown Police - 2
- State Police -3

Work Performed Today: Unresolved Issue: No Shift: 1

Robert Christie
Water Tank Site and Access Road: No Work
Crew worked on route 17 repairing the loam areas on the sides of the road. They also paved some low areas of the trenches from settling.
2 Middletown Police directing traffic

State/Town Roads: 3 State Police directing traffic
Continued installing the 16" Restrained water from station 165+66 to 167+ 13
Installed 1 - 16x16x8 TEE at station 166+33.5
Installed 2 - 16" Butterfly valves at stations 166.30 and 166+38
Installed 1 - 8" gate valve at station 166+33.5
Repaired the broken loops at the intersection of route 17 and Middlefield road.
JTC conducted compaction tests.
Sleeved the fiber optic line that was hit yesterday.

1- Ludlow employee pressurizing and testing the water main

- Pay Items:
1. 8" Restrained Pipe - 0
 2. Fire Hydrant Assembly - 0
 3. Police - 3 State Police
 4. Illuminated Signs - yes
 5. Sawcut Town Roads - 0 Feet
 6. Sawcut State Roads - 294 Feet
 7. 16" Restrained Pipe - 147 Feet
 8. 20 inch pipe at access road - 0
 9. 20 inch pipe Restrained - NA
 10. Ledge Removal - None encountered today
 11. Trailer cleaned - no today
 12. 8 inch Gate Valve - 1
 13. Bank Run Gravel- 41.7 CY
 14. Manual Drain Assembly - 0

- 15. 16x16x8 TEE - 1
- 16. 16x16x16 TEE - 0
- 17. 16" Butterfly valve - 2
- 18. 1" Corporation - 0
- 19. 1" Curb stop - 0
- 20. 1" Cooper pipe - 0

Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken: Unresolved Issue: No Shift: 1

Robert Christie

Observed the installation of the 16" Restrained pipe. At approximately 0730 they began excavating. Fabric was placed in the bottom of the excavation followed by 6" of 3/4" stone. Then the stone was covered with fabric. They then placed 3" of sand, installed the pipe and placed 12" of sand over the pipe followed by 3 - 12" lifts of native material and compacted each lift. Placed 2 - 8" lifts of processed gravel and compacted each lift. Finally placed 4" of HMA in two 2" compacted lifts.

Compaction Tests today - Yes, Observed Steve from John Turner Consulting performing the compaction tests. All of the tests were above the required 95%.

Contractor encountered ground water during the excavation. The water was pumped out into the woods and into a storm drain. The storm drain had a sediment control fabric.

Drove by the storage yard twice during my shift. Observation made both times was no material was spilled on the ground and no damage to asphalt. The catch basin did have sediment control fabric in it and did not appear to be clogged.

Observed the crew working on route 17 paving low spots if the trenches from settling. They also loamed the edges of the road that was damaged during excavation.

Verbal Instructions Given to Contractor: Unresolved Issue: No Shift: 1

Robert Christie
None today.

Miscellaneous Remarks and Visitors to Project: Unresolved Issue: No Shift: 1

Robert Christie
Water encountered while excavating:
Water was encountered on 17 while excavating. Contractor installed a sump pump and was able to pump water from the trench while excavating.
Water was encountered while excavating the tank access road to install a new catch basin. Contractor installed a sump pump and was able to pump water from the trench while excavating.

PR Comments, encounters or issues:
None today.

CT DOT onsite or communication:
None today.

Miscellaneous Remarks and Visitors to Project: Unresolved Issue: No Shift: 1

Robert Christie
Jerry - QC
Rob P - SSHO
John Pio - Superintendent
Mike Pio - onsite
USACE - Kurt Mintell
AECOM - Joel was onsite providing extra oversight of the contractor.
Mike Cunningham
Steve - JTC Consulting

USACE - Lisa Belisle

Safety: Unresolved Issue: No Shift: 1

Robert Christie
Noted portable hand wash station on back of tool truck, cleaning supplies nitrile gloves, face masks.
Workers fill out daily forms indicating they are not demonstrating any symptoms of COVID 19 and turning into SSHO.

Daily Safety Inspections:

1. Noted proper PPE while cutting Steel pipe with cut off saw.
2. Traffic Control: 3 State Police and cones on 17 - while installing the new water line
3. Discussed situational awareness while working around heavy equipment, and while allowing residents to use the shared driveway while under construction
4. Situational awareness not to work in close proximity to each other (COVID PREVENTION)
5. Trench box being used for all excavations while working in trench.

QA REPRESENTATIVE'S SIGNATURE	DATE	RE/PROJECT ENGR'S INITIALS	DATE
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