

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

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DATE
04 May 2020 - Monday

PROJECT
Durham Meadows Waterline Remedial Design

CONTRACT NUMBER
W912WJ19C0002

CONTRACTOR
Ludlow Construction Co., Inc.

WEATHER
Weather Caused No Delay
Temperature Min 50 °F Max 68 °F
0.01 IN Precipitation 16 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 %	50 °F	68 °F	16 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
0.01	M

NUMBER OF GOVERNMENT EMPLOYEES

RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR	FEET	TIME
0	0	0	2	2	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	1530 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 - 0
- State Police -2

Work Performed Today: Unresolved Issue: No Shift: 1

Robert Christie
Water Tank Site and Access Road: No Work
Continued to install the 12" RCP (Reinforced Concrete Pipe). Today he installed 139 feet.
Installed 1- Catch basin

State/Town Roads: 2 State Police directing traffic
Encountered 42.2CY of rock excavation from station 174+43 to 175+00.
Continued installing the 16" Restrained water from station 174+43 to 175+ 90
Installed 1 - 16x16x8 TEE at station 175+26
Installed 2 - 16" Butterfly valves at stations 175+22 and 175+30
Installed 1 - 8" gate valve at station 175+26
Installed 2 - 1" Corporations at stations 174+52.2 and 174+75.5
JTC conducted compaction tests.

1- Pete from Ludlow to pressurized and tested some more of sections of the water line.

- Pay Items:
1. 8" Restrained Pipe - 0
 2. Fire Hydrant Assembly - 0
 3. Police - 2 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. 16" Non-Restrained Pipe - 0 Feet
 9. 20 inch pipe at access road - 0
 10. 20 inch pipe Restrained - NA
 11. Ledge Removal - No 0 Cubic Yards
 12. Trailer cleaned - Not today
 13. 8 inch Gate Valve - 0
 14. Bank Run Gravel- 25.53 CY
 15. Manual Drain Assembly - 0

- 16. 16x16x8 TEE - 1
- 17. 16x16x16 TEE - 0
- 18. 16" Butterfly valve - 2
- 19. 1" Corporation - 2
- 20. 1" Curb stop - 0
- 21. 1" Cooper pipe - 0

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

Robert Christie

*** Ledge was encountered today *** 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 or processed gravel where they encountered ledge 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.
the ledge was encountered from station 174+43 to 175+00.

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

No water was encountered in the trench today.

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 tank access road crew installing the 12" RCP pip up the hill to the water tank site. To used a laser level to achieve the proper pitch.

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

Robert Christie

I spoke to QC Jerry about the silt fence at the metering pit needing to be addressed. The bottom of a couple spots are not buried. Contractor made the repairs immediately.

Kurt spoke to John about the sidewalk not being closed. A couple of minutes later a father and son came walking up the sidewalk to where we were working. John said the signs will be out tomorrow.

Kurt spoke to the QC Jerry about no rocks over 5" being placed back in the excavation. Jerry went to spoke to John about it.

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

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

Robert Christie
Water encountered while excavating:
No water was encountered today.

PR Comments, encounters or issues:
None today.

CT DOT onsite or communication:
None today.

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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