

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

REPORT NUMBER 547 Page 1 of 0

DATE
17 Jun 2020 - Wednesday

PROJECT
Durham Meadows Waterline Remedial Design

CONTRACT NUMBER
W912WJ19C0002

CONTRACTOR
Ludlow Construction Co., Inc.

WEATHER
Weather Caused No Delay
Temperature Min 57 °F Max 76 °F
No Precipitation 15 MPH Wind

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE WIND

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE	MINIMUM	MAXIMUM	WIND
0 %	0 %	0 %	0 %	0 %	57 °F	76 °F	15 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
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 - John Turner Consulting - Compaction testing
- Subcontractor - NY-CONN - Repairing of the traffic loops
- Subcontractor - Veilleux Concrete cutting - Saw cutting

Work Performed Today: Unresolved Issue: No Shift: 1

Robert Christie
Billy's Crew:
2- State police directing traffic
Installed 3 - 1" curb stops in Durham on route 17 at stations 154+69, 155+86 and 156+65.

John's Crew:
2 - State Police directing traffic
Installed 82 Feet of 12" Non-Restrained pipe on route 68 from Station 603+82 to 604+64.
Installed 1 - 1.5" Corporation at station 604+60
Encountered ledge, jack hammered 53.148 cubic yards from station 602+42 to 603+42.
Applied 50lbs of calcium chloride to the driveway of the office trailers.

Quincy's Crew:
2- Certified Flaggers
Installed - 283 Feet of 12" Non-Restrained pipe on route 68 from Station 424+00 to 421+17.
Installed 2 - 1" Corporations at stations 422+54 and 421+74.
Installed 1 - 2" Corporation at station 422+50.

- Pay Items:
1. Police - 4 State Police
 2. Flaggers - 2
 3. Illuminated Signs - yes
 4. Sawcut State Roads - 331.5 Feet
 5. Sawcut Town Roads - 566 Feet
 6. Bank Run Gravel- 0 Cubic Yards
 7. Ledge Removal - 53.148 Cubic Yards
 8. 1" Curb stops -
 9. 1" Cooper Pipe - 120.5 Feet
 10. 1" Corporation - 5
 11. 1.5" Corporation - 1
 12. 2" - Corporation - 1
 13. 12" Non-Restrained Pipe - 365 Feet

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

Robert Christie

Follow up inspection of the 12" water main installation on route 68. Once the hole was excavated they 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 unsuitable 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.
No water was encountered in the trench today.
*** Ledge was encountered. ***

Follow up inspection of the 12" water main installation on Maiden lane. Once the hole was excavated they 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 unsuitable 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.
No water was encountered in the trench today.

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

Drove by the storage 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.

Follow up inspection of the curb stop installations on route 17 in Durham. Curb stops are being installed per the drawings.
*** Minor run off of water was observed in the trench. ***

Verbal Instructions Given to Contractor:

Unresolved Issue: No Shift: 1

Robert Christie
Verbally instructed SSHO Rob to give a quick safety talk to the visitors once they arrive before they tour the access road and water tower site.

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
JTC Consulting

USACE:
Lisa Belisle
Steve Dunbar
Maj General Milhorn
Shirley Albribton

Miscellaneous Remarks and Visitors to Project:

Unresolved Issue: No Shift: 1

Robert Christie
Water encountered while excavating:
Water was encountered in the curb stop trenching on route 17 in Durham. Water was very minor and di not require pumping out.

PR Comments, encounters or issues:
Resident of 166 Maple called Mike Cunningham with concerns. He along Kurt and myself went out and she just didn't know what the flags and markings on her property were. Mike explained to her that it was marking out the utilities to locate them before any digging occurs.

Maj. General Milhorn performed a site visit of the tank access road and water tower site this morning.

CT DOT onsite or communication:
Steve Wright was onsite this morning. I meet with him on the route 68 jobsite to discuss the possibility of him having to switch that crew over to nights. He is trying not to switch the crew over but will make the final decision this Friday once he see's how many feet they have left.

Safety:

Unresolved Issue: No Shift: 1

Robert Christie
**** While excavating for one of the curb stops on route 17 this morning they nicked the new gas line. The gas company was called out to look at it. They determined that they just nicked the outside coating. The gas line was re-coated and wrapped. A picture is attached.

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. Discussed situational awareness while working around heavy equipment, and while allowing residents to use the shared driveway while under construction
3. Situational awareness not to work in close proximity to each other (COVID PREVENTION)
4. Trench box being used for all excavations while working in trench.

QA VERIFICATIONS

(Verification of QC requirements reported completed by the Contractor)

The following QC Requirement(s) were verified today:

<u>Requirement #</u>		<u>Results</u>
CT-00163	Heat Test was taken on the Asphalt. 299 % after the spread. 280% after 1st roll. Heat Good.	Awaiting Results
CT-00164	Com Tests on Rt 17 and 68:	Awaiting Results
CT-00165	Comp Testing on Rt 17 and 68:	Awaiting Results

QA REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE