

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 507		Page 1 of 1		
					DATE 08 May 2020 - Friday				
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002				
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 45 °F Max 56 °F No Precipitation 9 MPH Wind				
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS					TEMPERATURE		WIND		
STRUCTURAL EXCA- VATION 0 %	BORROW EXCA- VATION 0 %	EMBANKMENT 0 %	CONCRETE 0 %	STRUCTURE 0 %	MINIMUM 45 °F	MAXIMUM 56 °F	9 MPH		
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO FACT?					24 HOUR PRECIPITATION				
					INCHES 0.00		ENDING M		
NUMBER OF GOVERNMENT EMPLOYEES					RIVER STAGE				
SUPERVISORY 0	OFFICE 0	LAYOUT 0	INSPECTION 2	TOTAL 2	LABOR 0	FEET 0.0		TIME M	
NUMBER OF CONTRACTOR'S EMPLOYEES				NUMBER OF SHIFTS					
SUPERVISORY 0	SKILLED 0	LABORERS 0	TOTAL 0	FROM 0700	TO 1530 M	FROM M	TO M	FROM M	TO 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 Worked on grading both sides of the access road. They also continued working on building the access to rough grade so that the grader can grade to the road. Whenever a homeowner needs to pass by they accommodated them with no issues. State/Town Roads: 2 State Police directing traffic Continued installing the 16" Restrained water from station 182+32 to 184+ 23 Installed 1 - 1" Corporations at station 183+24.5 Installed 1 - 16" Butterfly valve at station 183+61 Installed 1 - Hydrant assembly at station 183+54 JTC conducted compaction tests. *** From station 183+10 to 183+30 contractor jack hammered out ledge totaling 7.4 CY. *** Pickett Lane: Continued saw cutting. Water line testing: Pete from Ludlow pressure tested the water main from Little lane up to and including Talcott lane. Representatives from Middletown were onsite. Pay Items: 1. 8" Restrained Pipe - 0 2. Fire Hydrant Assembly - 1 (Not the hydrant yet so not payable) 3. Police - 2 State Police 4. Illuminated Signs - yes 5. Sawcut Town Roads - 0 Feet 6. Sawcut State Roads - 382 Feet 7. 16" Restrained Pipe - 191 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 - 7.4 Cubic Yards									

12. Trailer cleaned - Not today
13. 8 inch Gate Valve - 0
14. Bank Run Gravel- 60.64 CY
15. Manual Drain Assembly - 0
16. 16x16x8 TEE - 0
17. 16x16x16 TEE - 0
18. 16" Butterfly valve - 1
19. 1" Corporation - 1
20. 1.5" Corporation - 0
21. 1" Curb stop - 0
22. 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 0715 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 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 today..

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

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 adding material to the hill leading up to the tank site. The material was brought in by a 10 wheel dump truck, spread and graded with the bulldozer. Finally the roller compacted the gravel. This material to bring up the grade is material that was excavated previously from clearing and installing the new water line. They also worked on the side slopes of the access road. The excavator graded out the slope and loaded the excess material into a dump truck.

Observed 2 Ludlow employee's working on Pickett lane. One employee was flagging traffic well the other was performing the saw cutting of the road. Proper signage was out and visible to traffic.

Observed Pete from Ludlow working the representatives from Middletown pressure testing the water line from Little lane up to and including Talcott lane. The representatives from Middletown verified the test passed and that no residents pressure dropped to low during the test.

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

Robert Christie

Kurt and I spoke to QC Jerry about making sure he enters any water testing into his daily reports under the QC requirements section. We also went over page C-504 of the blueprints for backfilling of the pipe. Verbally instructed him to go over with the contractor and to have a initial inspection on Monday which Kurt and I will attend.

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.

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

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 VERIFICATIONS

(Verification of QC requirements reported completed by the Contractor)

The following QC Requirement(s) were verified today:

Requirement #		Results
CT-00121	Compaction Tests on Rt 17 South	Awaiting Results
CT-00122	Comp Tests on 17 South	Awaiting Results

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