

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 525		Page 1 of 1	
					DATE 26 May 2020 - Tuesday			
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002			
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 58 °F Max 74 °F 0.01 IN Precipitation 8 MPH Wind			
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS					TEMPERATURE		WIND	
STRUCTURAL EXCA- VATION	BORROW EXCA- VATION	EMBANKMENT	CONCRETE	STRUCTURE	MINIMUM	MAXIMUM		
0 %	0 %	0 %	0 %	0 %	58 °F	74 °F	8 MPH	
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO FACT?					24 HOUR PRECIPITATION			
					INCHES		ENDING	
NUMBER OF GOVERNMENT EMPLOYEES SUPERVISORY OFFICE LAYOUT INSPECTION TOTAL LABOR 0 0 0 2 2 0					RIVER STAGE			
					FEET		TIME	
NUMBER OF CONTRACTOR'S EMPLOYEES					NUMBER OF SHIFTS			
SUPERVISORY SKILLED LABORERS TOTAL 0 0 0 0					<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3			
					FROM TO FROM TO FROM TO 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: <div style="float: right; text-align: right;"> Unresolved Issue: No Shift: 1 </div> <p>Robert Christie Project involves installing water main from a new Middletown Water Tank into Durham and tying into homes & businesses:</p> <p>Prime Contractor: Ludlow - Installing watermain & associated components. Subcontractor: ACE Consulting - SSHO Rob Peddicord & CQC Jerry Brandon Subcontractor -John Turner Consulting - YES (Steve) Subcontractor - Vellieux - 0 Subcontractor: Flaggers - 2 Middletown Police - 0 State Police -2</p>								
Work Performed Today: <div style="float: right; text-align: right;"> Unresolved Issue: No Shift: 1 </div> <p>Robert Christie Water Tank Site and Access Road: (Billy's crew) Worked on the side slopes of the access road and installed the temporary hydrant up the hill by where the water tank is going to be installed. Hydrant is for the installation crew of the tank. They also set up the equipment on route 17 in Middletown to begin installing the water services tomorrow.</p> <p>State/Town Roads: (John's crew) 2 State Police directing traffic Installed 16" Non-Restrained water from station 199+57 to 201+40 Installed 3 - 1" Corporations at station 199+59.6, 199+92.5 and 200+21 Installed 1- 2" Corporation at station 201+36 JTC conducted compaction tests.</p> <p>Pickett Lane: (Quincy's crew) 2 Certified Flaggers Installed 12" Restrained water pipe from station 529+55 to 530+45 1 - 12x12x4 TEE at station 529+65 1 - 12x12x8 TEE at station 529+57 1- 4" Gate valve at station 529+65 1- 8" Gate valve at station 529+57 *** Due to service markings being wrong the crew spent over 3 hours hand digging a 50L x 4W x 4.5D hole to locate the services. (See attached photo) ***</p> <p>Pay Items: 1. Police - 2 State Police 2. Police - 0 Middletown Police 3. Flaggers - 2 4. Illuminated Signs - yes 5. Sawcut Town Roads - 180 Feet 6. Sawcut State Roads - 366 Feet 7. 12" Restrained Pipe - 90 Feet</p>								

8. 16" Non-Restrained Pipe - 183 Feet
9. Bank Run Gravel- 51.91 CY
10. 4" Gate valve - 1
11. 8" Gate valve - 1
12. 12x12x4 TEE - 1
13. 12x12x8 TEE - 1
14. 1" Corporation - 3
15. 2" Corporation - 1

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 on state road 17. 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.

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

Observed the Pickett lane crew installing the 12" water line. 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 a 2" lift of HMA.

*** A flagger was positioned at each entrance, with road closure signage ***

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 Billy's crew installing the temporary hydrant at the top of the hill and grading the side slopes of the access road.

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

Robert Christie

Spoke to QC Jerry about the dump trucks leaving the lay down yard just barely turning on the parking lot of 60 Commerce. He is going to speak to the drivers and remind them that they can't be on the parking lot.

Verbally instructed SSO Rob to have the wooden ladder on John's crew taken out of service due to it having a crack in it about 1 foot long. He was going to take care of it.

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

Robert Christie

Jerry - QC

Rob P - SSO

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 to report.

CT DOT onsite or communication:

No one was onsite 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 SSO.

Daily Safety Inspections:

1. Noted proper PPE while cutting Steel pipe with cut off saw.
2. Traffic Control: 2 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