

<b>QUALITY ASSURANCE REPORT (QAR)</b> <b>DAILY LOG OF CONSTRUCTION</b>					REPORT NUMBER 552		Page 1 of 0		
					DATE 22 Jun 2020 - Monday				
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002				
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 68 °F Max 87 °F No Precipitation 14 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 %	68 °F	87 °F	14 MPH		
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO FACT?					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					
				<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 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.									
<b>QA NARRATIVES</b>									
<b>Contractor/Subcontractor &amp; Area of Responsibility for Work:</b>					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									
<b>Work Performed Today:</b>					Unresolved Issue: No      Shift: 1				
Robert Christie Billy's Crew: Worked on the water tank site prepping the area before the installation begins on 8 Jul. He also had one worker at the meter vault by Royal Oak drive weed whacking the grass.									
John's Crew: 2 - State Police directing traffic Connected to the 16" water line on route 17 at Maiden lane and began installing the 12" Restrained pipe for Maiden lane from station 400+00 to 400+74.									
Quincy's Crew: 2- Certified Flaggers Installed - 252 Feet of 12" Non-Restrained pipe on route 68 from Station 416+05 to 413+53. Installed - 40 Feet of 12" Restrained pipe from station 413+53 to 413+13. Installed 3 - 1" Corporations at stations 415+10, 414+72 and 413+36.									
Pete from Ludlow pressure tested the remaining section of the 16" pipe on route 17 from station 195+26 to 209+25. The line was pressurized to 150psi for two hours with no pressure loss.									
Pay Items: 1. Police - 2 State Police 2. Flaggers - 2 3. Illuminated Signs - yes 4. Sawcut State Roads - 122 Feet 5. Sawcut Town Roads - 610 Feet 7. Bank Run Gravel- 43.38 Cubic Yards 8. 1" Curb stops - 3 9. 12" Non-Restrained Pipe - 252 Feet 10. 12" Restrained Pipe - 114 Feet									
<b>Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken:</b>					Unresolved Issue: No      Shift: 1				
Robert Christie Quincy and John's crew: 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.  
Water was observed in Quincy's trench. Water was pumped out.

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 Billy's crew prepping the water tower site for the installation of the water tank. They are working on leveling out the area by adding fill and checking grades with a laser level.

**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

**Miscellaneous Remarks and Visitors to Project:**

Unresolved Issue: No Shift: 1

Robert Christie  
Water encountered while excavating:  
Water was encountered in the trench of Quincy's crew on Maiden lane. The water was pumped out.

PR Comments, encounters or issues:  
Received an email from Ed concerning some trees that were removed at 110 Maple for the stream crossing. The homeowner is concerned about the metal marker for there property line. Kurt and I went out and did find the stake which located in the area of which the trees were removed and will need to have the stumps pulled for the pipe installation. Kurt spoke to Mike Pio about the stake to inform him that it needs to not be disturbed or if they need to disturb it they are going to be liable to put it back in the same location.

CT DOT onsite or communication:  
None to report.

**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. 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:**

Requirement #		Results
CT-00166	Comp Tests on Rt 17 and 68:	Awaiting Results
CT-00167	Com Tests on Rt 17 and 68:	Awaiting Results
CT-00168	Pressure Testing on 17; Started at STA 195+26.5, Ended at STA 209+25; Test Started at 12:45 PM and Ended at 2:34 PM: 150 Pounds Held. Test Passed.	Awaiting Results

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