

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 518		Page 1 of 1	
					DATE 19 May 2020 - Tuesday			
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002			
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 52 °F Max 68 °F No Precipitation 22 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 52 °F	MAXIMUM 68 °F	22 MPH	
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO FACT? <div style="float: right;"> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (Explain) </div>					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				
				<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3				
SUPERVISORY 0	SKILLED 0	LABORERS 0	TOTAL 0	FROM 0700	TO 1530 M	FROM M	TO M	FROM M
				TO 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: 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 - 2 Subcontractor -John Turner Consulting - YES (Steve) Subcontractor - Vellieux - 0 Middletown Police - 2 State Police -2					Unresolved Issue: No Shift: 1			
Work Performed Today: Robert Christie Water Tank Site and Access Road: (Billy's crew) 1- Middletown Police officer 1 - Employee from Ludlow was onsite saw cutting of the asphalt on Talcott Ridge drive and Watch Hill drive. Saw cutting of the asphalt is being done instead of milling due to there milling machine having a blown head gasket. Removed the asphalt and material to a depth of 4 inches and a width of 12 inches past each side of the trench and replaced it with 2- 2 inch lifts of asphalt. State/Town Roads: (John's crew) 2 State Police directing traffic 1 Middletown Police officer directing traffic for saw cutting Installed 16" Restrained water from station 195+36 to 196+16 Installed 1 - 1" Corporations at station 195+82 JTC conducted compaction tests. 1- Ludlow employee was saw cutting the asphalt for the curb stops on route 17 in Middletown. *** Ledge was encountered today, removed 59.25 cubic yards *** Pickett Lane: (Quincy's crew) 2 Certified Flaggers Installed 12" Non-Restrained water pipe from station 519+98 to 522+34 Installed 12" Restrained water pipe from station 518+38 to 519+98 1- Hydrant assembly at 519+73 (Not payable yet, hydrant is not installed)					Unresolved Issue: No Shift: 1			
Water line testing: Pete from Ludlow was here today to test the water line at Talcott Ridge Dr where Ludlow's new 16" meets Middletown's existing 12". A representative from Middletown was onsite to observe it. Test Failed, they will check the gauge tomorrow and per John Pio Middletown is going to approve it. They think it's getting by an old existing gate valve. Pay Items: 1. Police - 2 State Police 2. Police - 2 Middletown Police 3. Flaggers - 2 4. Illuminated Signs - yes								

5. Sawcut Town Roads - 792 Feet
6. Sawcut State Roads - 160 Feet
7. 12" Restrained Pipe - 160 Feet
8. 12" Non-Restrained Pipe - 236 Feet
9. 16" Restrained Pipe - 80 Feet
10. Bank Run Gravel- 0 CY
11. 1" Corporation - 1
12. Trailer cleaned - Yes

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 the tank access road crew saw cutting of the trench on Talcott Ridge drive and Watch hill drive. They are removing an additional 12 inches of asphalt on either side of the trench. They are removing 4 inches of material and replacing it with 2 - 2" lifts of HMA. Each lift is compacted with a vibratory roller.

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

Robert Christie

Kurt verbally instructed the SSHO to have the stones that have been dropped in the road from the off site storage yard back to the site to be cleaned up. Contractor complied and cleaned them up.

During one of my spot checks of the off site storage facility I noticed the catch basin at the entrance was full. Kurt called the SSHO to have the silt bag cleaned. Contractor complied and cleaned out the silt bag.

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

JMS Connections - onsite

Brian Curtis - Town Engineer for Durham

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:

The town engineer for the town of Durham (Brian Curtis) meet Kurt and I over at the Pickett lane job site to take some photos of the asphalt thickness and base material for future work.

CT DOT onsite or communication:

Jose Torres was onsite. He conveyed to me that he did not have any issues.

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: 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 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-00128	Chlorine Testing on Waterline from Talbott To Oak Street	Awaiting Results
CT-00129	Compaction Testing was done from STA 181+40 to STA 184+40	Awaiting Results
CT-00131	SWPP inspection after Rain on Saturday the 9th, 2020.	Awaiting Results
CT-00132	Compaction Testing on Rt 17 South from STA 186+90 to STA 188+90	Awaiting Results
CT-00133	Compaction Tests on Rt 17 South from STA 189+15 to STA 191+15	Awaiting Results
CT-00134	Chlorine Test samples were taken today from Talbott Road to Oak Lane;	Awaiting Results
CT-00135	Chlorine Samples Taken from Talbott Road to Oak Drive:	Awaiting Results
CT-00136	Compaction Tests from STA 191+15 to 193+15	Awaiting Results
CT-00137	SWPP inspection was performed by QC and Safety	Awaiting Results
CT-00138	Com tests were done on RT 17 and Pickett RD.	Awaiting Results

QA REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE