

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 519		Page 1 of 1		
					DATE 20 May 2020 - Wednesday				
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002				
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 45 °F Max 62 °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 %	45 °F	62 °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		
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (Explain)					0.00		M		
NUMBER OF GOVERNMENT EMPLOYEES					RIVER STAGE				
SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR	FEET	TIME		
0	0	0	1	1	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.									
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 - YES (Steve) Subcontractor - Vellieux - 0 Subcontractor: Flaggers - 2 Middletown Police - 1 State Police -3									
Work Performed Today:					Unresolved Issue: No Shift: 1				
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) 3 State Police directing traffic Installed 16" Restrained water from station 196+16 to 197+36 Installed 2 - 1" Corporations at station 196+57.5 and 196+95 JTC conducted compaction tests. 1- Ludlow employee was saw cutting the asphalt for the curb stops on route 17 in Durham with one of the state police detail. *** Ledge was encountered today, removed 74.07 cubic yards from station 196+16 to 197+16 *** Pickett Lane: (Quincy's crew) 2 Certified Flaggers Installed 12" Non-Restrained water pipe from station 522+34 to 523+12 Installed 12" Restrained water pipe from station 523+12 to 525+18 1- 12" Gate valve at station 524+68 1- Hydrant Assembly (Not payable yet, Hydrant wasn't installed) 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 - 3 State Police 2. Police - 1 Middletown Police 3. Flaggers - 2 4. Illuminated Signs - yes 5. Sawcut Town Roads - 568 Feet									

6. Sawcut State Roads - 240 Feet
7. 12" Restrained Pipe - 206 Feet
8. 12" Non-Restrained Pipe - 78 Feet
9. 16" Restrained Pipe - 120 Feet
10. Bank Run Gravel- 5.6 CY
11. 12" Gate valve - 1
12. 2" Corporation - 0
13. Hydrant Assembly - 1 (Not payable yet, Hydrant wasn't installed)

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

I witnessed a 20 foot section of pipe that was being installed on Pickett lane had a flat spot on the end of it. I let Quincy know and he had the crew pull the pipe back out and cut off the end. He stated that the delivery driver did tell him that two pieces of pipe had fallen off the truck when it was delivered causing the flat spot and even though it wouldn't have leaked still wanted to cut out the flat spot and didn't realize that piece was already being installed.

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:

Took a soil sample on Pickett lane at station 524+30 and noted the asphalt was 3" thick in this area. The soil was placed outside by the trailer door in a bag, Brian Curtis will pick it up Friday.

CT DOT onsite or communication:

No one was onsite 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

JMS Connections - onsite

USACE - Alex Dumas

Brian Curtis - Town Engineer for Durham dropped off some bags to take soil samples of Pickett lane material

Safety: Unresolved Issue: No Shift: 1

Robert Christie

USACE - Alex Dumas from our safety office was onsite for a site visit. He noted the strap being used to lift the compactor in/out of the trench on Pickett lane was not being used correctly and was frayed. I let Quincy know and it was fixed immediately.

He spoke with SSHO Rob and asked to develop and AHA specifically for COVID-19. Rob is currently working on it.

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 REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE