

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 512		Page 1 of 1		
					DATE 13 May 2020 - Wednesday				
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002				
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 40 °F Max 61 °F No Precipitation 14 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 40 °F	MAXIMUM 61 °F	14 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 Subcontractor - JMS Connections performing chlorination and dichlorination of water line Middletown Police - 0 State Police -2									
Work Performed Today:					Unresolved Issue: No Shift: 1				
Robert Christie Water Tank Site and Access Road: (Billy's crew) Excavated out approximately 1 foot on material from station 15+72 to 14+37 and installed Carthage Mills GBX-12 Biaxial Geogrid due to this area being wet causing cracks in the roadway. Continued to build the roadway up to the tank site and the bottom of the hill with gravel due to having to set new grades. Swept Talcott Ridge Drive State/Town Roads: (John's crew) 2 State Police directing traffic Installed 16" Non-Restrained water from station 189+28 to 189+48 Installed 16" Restrained water from station 189+48 to 191+29 Installed 4 - 1" Corporations at station 189+75, 190+18.5, 190+52.5 and 190+91 JTC conducted compaction tests. Pickett Lane: (Quincy's crew) 2 Certified Flaggers Installed 12" Non-Restrained water pipe from station 505+56 to 507+56 Installed 12" Restrained water pipe from station 504+16 to 505+56 and 507+56 to 508+17 1 - Employee from Ludlow was onsite saw cutting Water line testing: Pete from Ludlow was here today to oversee the dechlorination of the water line from Talcott Ridge Drive to the hydrant located on Oak Terrace. Performing the dechlorination was JMS connections. Representatives from Middletown were onsite as well overseeing the process. Pay Items: 1. Police - 2 State Police 2. Illuminated Signs - yes 3. Sawcut Town Roads - 802 Feet 4. Sawcut State Roads - 402 Feet 5. 12" Restrained Pipe - 201 Feet 6. 12" Non-Restrained Pipe - 200 Feet 7. 16" Restrained Pipe - 181 Feet									

- 8. 16" Non-Restrained Pipe - 20 Feet
- 9. Bank Run Gravel- 57.02 CY
- 10. 1" Corporation - 4

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 installing the Carthage Mills GBX-12 Biaxial Geogrid and spreading gravel on the hill leading up to the tank site. The grader would then go over it and set the road to the correct height for asphalt.

Follow up inspection of the dechlorination of the water line from Talcott Ridge Drive to the hydrant located on Oak Terrace. Kurt and I verified that the water was treated. Representatives from Middletown were onsite to oversee the process and verify no residents had a loss of pressure.

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

Robert Christie

Kurt verbally instructed the SSHO to have the stones have been been dropped in the roadways around the site to be cleaned up today and come up with a solution to keep this from happening.

I spoke to the SSHO about the crew working on Pickett lane about having a ladder in the trench while workers are working in it.

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:

State police were called to Pickett lane jobsite for a vehicle accident. Mike Cunningham was struck by a vehicle and knocked to the ground. He was not taken to the hospital but did mention some back pain. A statement of the accident was written by Mike and forwarded off to USACE Lisa Belisle.

CT DOT onsite or communication:

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

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

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 REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE