

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 526		Page 1 of 1		
					DATE 27 May 2020 - Wednesday				
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002				
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 60 °F Max 75 °F No Precipitation 9 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 60 °F	MAXIMUM 75 °F	9 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 -John Turner Consulting - YES (Nick) Subcontractor - Vellieux - 0 Subcontractor: Flaggers - 2 Middletown Police - 1 State Police -2									
Work Performed Today:					Unresolved Issue: No Shift: 1				
Robert Christie Water Tank Site and Access Road: (Billy's crew) 1 - Middletown Police directing traffic Installed 2 curb stops and 1 Corporation that was overlooked during the installation of the water main. 1 - 1" Corporation at station 109+23.6 2 - 1" Curb stops at stations 109+23.6 and 104+38.5 44.5' of 1" Copper pipe State/Town Roads: (John's crew) 2 State Police directing traffic Installed 16" Non-Restrained water from station 201+40 to 202+40 Installed 16" Restrained water from station 202+40 to 203+80 Installed 2 - 1" Corporations at station 202+45 and 202+79 JTC conducted compaction tests. Pickett Lane: (Quincy's crew) 2 Certified Flaggers Installed 12" Restrained water pipe from station 530+45 to 530+75, 530+75 / 538+55 to 538+51 / Maiden Lane 425+98.5 to 426+7.5 1 - 12x12x4 TEE at station 530+52 1 - 12x12x8 TEE at station 530+50 1 - 12x12x12 TEE at station 426+03 1- 4" Gate valve at station 530+52 1- 8" Gate valve at station 530+50 4 - 12" Gate valves at stations 425+98.5, 426+7.5, 530+71 and 538+51 Pay Items: 1. Police - 2 State Police 2. Police - 1 Middletown Police 3. Flaggers - 2 4. Illuminated Signs - yes 5. 1" Copper pipe - 44.5 Feet 6. 1" Curb stops - 2									

7. Sawcut Town Roads - 86 Feet
8. Sawcut State Roads - 480 Feet
9. 12" Restrained Pipe - 43 Feet
11. 16" Restrained Pipe - 140 Feet
12. 16" Non-Restrained Pipe - 100 Feet
13. Bank Run Gravel- 68.08 CY
14. 4" Gate valve - 1
14. 8" Gate valve - 1
- 16 12" Gate valve - 1
17. 12x12x4 TEE - 1
18. 12x12x8 TEE - 1
19. 12x12x12 TEE - 1
16. 1" Corporation - 2

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 Nick 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 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 curb stops on route 17 in Middletown.

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 SSHO 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

Water encountered while excavating:

Water was encountered in the curb stop trench. A picture of the water is attached.

PR Comments, encounters or issues:

Only one Middletown police officer showed up. Mike Pio and Mike Cunningham said they requested two but the police said they only requested one and had no more available. About half way through the day they ended up taking one of the flaggers from Quincy's crew to assist Billy's crew.

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

Nick - JTC Consulting

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
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