

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 491		Page 1 of 0		
					DATE 22 Apr 2020 - Wednesday				
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002				
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 37 °F Max 0 °F 0.43 IN Precipitation 25 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 37 °F	MAXIMUM 0 °F	25 MPH		
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO FACT?					24 HOUR PRECIPITATION				
					INCHES 0.43		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 1700 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 Middletown Police - 0 State Police -3									
Work Performed Today:					Unresolved Issue: No Shift: 1				
Robert Christie Water Tank Site and Access Road: Installed 17.4 feet of 18" Reinforced concrete pipe Installed 27 feet of 24" Reinforced concrete pipe Installed 1 new catch basin State/Town Roads: 3 State Police directing traffic Continued installing the 16" Restrained pipe from station 164+19 to 165+66 Installed 3 - 1" water corporations at stations 164+62, 165+58.5, and 165+60.5 JTC conducted compaction tests. 1- Ludlow employee worked on pressurizing and testing the water main.									
Pay Items: 1. 8" Restrained Pipe - 0 2. Fire Hydrant Assembly - 0 3. Police - 3 State Police 4. Illuminated Signs - yes 5. Sawcut Town Roads - 0 Feet 6. Sawcut State Roads - 294 Feet 7. 16" Restrained Pipe - 147 8. 20 inch pipe at access road - 0 9. 20 inch pipe Restrained - NA 10. Ledge Removal - None encountered today 11. Trailer cleaned - no today 12. 8 inch Gate Valve - 0 13. Bank Run Gravel- 41.7 14. Manual Drain Assembly - 0 15. 16x16x16 TEE - 0 16. 16" Butterfly valve - 0 17. 1" Corporation - 3 18. 1" Curb stop - 0 19. 1" Cooper pipe - 0									

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. At approximately 0730 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 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.

Compaction Tests today - Yes, Observed Steve from John Turner Consulting performing the compaction tests. All of the tests were above the required 95%.

Contractor encountered ground water during the excavation. The water was pumped out into the woods and into a storm drain. The storm drain had a sediment control fabric.

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 installation of the new catch basin being installed on the tank access road.

Performed a SWPP post rain inspection of the worksite with SSHO Rob Peddicord & CQC Jerry Brandon at 0850. Found one small area of silt fence that was laying over a little from a part of a stump on it. Jerry stated he would pull it back up and secure it.

Verbal Instructions Given to Contractor:

Unresolved Issue: No

Shift: 1

Robert Christie

Spoke with Jon and Jerry asking them to ensure storm drains are covered & protected per the SWPP.

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 - KM

AECOM - Joel was onsite providing extra oversight of the contractor.

Mike Cunningham

Steve - JTC Consulting

Miscellaneous Remarks and Visitors to Project:

Unresolved Issue: No

Shift: 1

Robert Christie

Water encountered while excavating:

Water was encountered on 17 while excavating. Contractor installed a sump pump and was able to pump water from the trench while excavating.

Water was encountered while excavating the tank access road to install a new catch basin. Contractor installed a sump pump and was able to pump water from the trench while excavating.

PR Comments, encounters or issues:

Contractor hit a fiber optic line at approximately station 165+76. 2 representatives from Keystone communications came out determined there wasn't any damage to the line. They performed a temporary repair for the night and will be back tomorrow to do a permanent fix.

Steve from CT DOT was onsite and is aware of it. ** (See the two attached pictures labeled Fiber Optic line) ** Crew was onsite till 1700 due to this.

CT DOT onsite or communication: Steve, Dale and Chris were onsite, They had no issues.

Steve did mention that he thinks the asphalt plant is going to be open nights starting next week since Eversource is starting work this Sunday. If that occurs they said he will be having us switch over to nights.

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: 3 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