

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 497		Page 1 of 1	
					DATE 28 Apr 2020 - Tuesday			
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002			
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 43 °F Max 63 °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 43 °F	MAXIMUM 63 °F	14 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	TO M	TO M	TO 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 - 0 Subcontractor: John Turner Consulting - YES (Steve) Subcontractor Vellieux - 0 Middletown Police - 0 State Police -2					Unresolved Issue: No Shift: 1			
Work Performed Today: Robert Christie Water Tank Site and Access Road: Installed 2 - Catch basins Installed 66.5 Feet of 12" RCP (Reinforced Concrete Pipe) Installed 55.4 Feet of 15" RCP (Reinforced Concrete Pipe) State/Town Roads: 2 State Police directing traffic Continued installing the 16" Restrained water from station 169+35 to 171+60 Installed Non-Restrained 16" from station 171+60 to 172+40 Installed 2 - 1 inch corps at station 170+24 and 171+10.5 JTC conducted compaction tests. 1 - Ludlow employee continued pressurizing the new water main. Pickett lane: Received 2 truck loads of material and staged it at one of the designated areas. No other work was performed today. Pay Items: 1. 8" Restrained Pipe - 0 2. Fire Hydrant Assembly - 0 3. Police - 2 State Police 4. Illuminated Signs - yes 5. Sawcut Town Roads - 0 Feet 6. Sawcut State Roads - 610 Feet 7. 16" Restrained Pipe - 225 Feet 8. 16" Non-Restrained Pipe - 80 Feet 9. 20 inch pipe at access road - 0 10. 20 inch pipe Restrained - NA 11. Ledge Removal - None encountered today 12. Trailer cleaned - Yes 13. 8 inch Gate Valve - 0 14. Bank Run Gravel- 86.52 CY 15. Manual Drain Assembly - 0 16. 16x16x8 TEE - 0					Unresolved Issue: No Shift: 1			

- 17. 16x16x16 TEE - 0
- 18. 16" Butterfly valve - 0
- 19. 1" Corporation - 2
- 20. 1" Curb stop - 0
- 21. 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 0740 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 processed and or native material, compacted each lift. (They tried to use the native material in the first 25' but the compactor sunk, so they switched to using just the 3" processed, then ended up switching back to native material). 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%.

No water was encountered today.

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.

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

Robert Christie

Kurt directed John Pio this morning again to not dump any material before 0700 in the lay down area. This morning USACE Bob Christie witnessed a dump truck of loam being dumped and banging of the tail gate at approximately 0640.

During this morning's safety meeting that discussed yesterday's issues with confined space USACE reminded the contractor verbally that safety is of the utmost importance.

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:

Kurt directed John Pio this morning again to not dump any material before 0700 in the lay down area. This morning USACE Bob Christie witnessed a dump truck of loam being dumped and banging of the tail gate at approximately 0640.

CT DOT onsite or communication:

Jose Torres was onsite this afternoon. He did not have any issues, no discussion past an introduction occurred.

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

Jose Torres - CT DOT

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 DEFICIENCY (Describe QA Deficiency items issued, verify QA Deficiency items reported corrected by contractor)

The following QA Deficiency items were issued today:

QA Deficiency Item	Location	Description	Status
QA-00004	Tank Site	The silt fence that was identified during the SWPP inspection with the SSHO/QC on 22 Apr 2020 as needing to be repaired hasn't been corrected.	QA Verification Required

QA REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE