

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 486		Page 1 of 1	
					DATE 17 Apr 2020 - Friday			
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002			
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 36 °F Max 50 °F No Precipitation 16 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 36 °F	MAXIMUM 50 °F	16 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 1	TOTAL 1	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	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: 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 Middletown Police - 0 State Police - 2					Unresolved Issue: No Shift: 1			
Work Performed Today: Robert Christie Water Tank Site and Access Road: 1. Installed 1 Fire Hydrant at 14+70. 2. Installed (1) 1" water service corporation at house 224 3. Installed (1) 1" curb stop at house 224 4. Installed 24 feet of 1" cooper pipe at house 224 State/Town Roads: POLICE onsite State Road 1: 1. Began installing the 16" Restrained pipe on Main St at approximately station 160+08 to approximately 161+17. 2.. Installed a 1" water service corporation at 160+95. 3. Installed (3) 16" butterfly valves at approximately stations 161+09, 161+13 & 161+17. 4. Installed 16" x 16" x 16" TEE at approximately station 161+13. 5. Steve from JTC performed the required compaction tests. All of the tests were above the required 95%. Pay Items: 1. 8" Restrained Pipe - 2. Fire Hydrant Assembly - 14+70 (at the tank access road) 3. Police - 2 State Police 4. Illuminated Signs - yes 5. Sawcut Town Roads - 0 Feet 6. Sawcut State Roads - 218 - pipe along edge of road - only cut ones side, excavated along curb line 7. 16" Restrained Pipe - 109 8. 20 inch pipe at access road - LF included in Water Tank CLIN87 9. 20 inch pipe Restrained - NA 10. Silt Fence - None today 10. Ledge Removal - None encountered today 11. Trailer cleaned - N 12. 8 inch Gate Valve - 0 13. Bank Run Gravel- 42.26 14. Manual Water Main drain -1 15. 16x16x16 TEE - 1					Unresolved Issue: No Shift: 1			

- 16. 1" Corporation - 2
- 17. 16" Butterfly valve - 3
- 18. 1" Curb stop - 1
- 19. 1" Cooper Pipe - 24'

Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken: Unresolved Issue: No Shift: 2

Robert Christie
Tank Site:
Observed the contractor installing the fire hydrant.

Main St - Route 17

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.

**** Due to the amount of water at the beginning of the excavating they couldn't back fill with the native material. ****

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
1. Ensure storm drains are covered & protected per the SWPP - Verbal instruction to John Pio to put a sock on the drain at the intersection of Main St and Middlefield Rd. John complied and put a sock on the cover.
 2. All road signs removed from work areas and put away properly at the end of shift. Jerry B

Miscellaneous Remarks and Visitors to Project: Unresolved Issue: No Shift: 1

Robert Christie
Water encountered while excavating:
Water was encountered at approximately station 160+00. This were they ended last season on Main St.

PR Comments, encounters or issues:
None to report today.

CT DOT onsite or communication: Steve Wright was onsite. 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 - NO
USACE - KM
AECOM - Joel onsite
JTC - Steve
Mike Cunningham

CT DOT - Steve Wright was onsite. Steve let me know that the work on route 68 that was scheduled to begin Sunday is delayed a week due to Eversource not able to get equipment. They will be starting a week late. Steve also noted that he is going to have them begin working nights due to us working days. Once we shift to nights they will shift to days.

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.

DISCUSSED DAILY

1. Noted proper PPE while cutting Steel pipe with cut off saw.
2. Traffic Control - proper cone usage & signage for working on the road
3. Discussed situational awareness while working around heavy equipment, and while allowing residents to use the shared driveway while under construction - there has been no issues with residents on the shared access drive
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. The trench is getting shallower as the excavation continues up the hill toward the tank site. Trench Box requirements will change - discussed with the SSHO, he has reviewed requirements & discussed at Safety Meeting. EM385 25.A.01 paragraph b. states less then 5 feet the excavation trenching plan is optional
6. Traffic Control Excavation on 17 - 2 State Troopers

QA REPRESENTATIVE'S SIGNATURE	DATE	RE/PROJECT ENGR'S INITIALS	DATE