

<b>QUALITY ASSURANCE REPORT (QAR)</b> <b>DAILY LOG OF CONSTRUCTION</b>					REPORT NUMBER 493		Page 1 of 0		
					DATE 24 Apr 2020 - Friday				
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002				
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 0 °F Max 0 °F 0.10 IN Precipitation No Wind				
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS					TEMPERATURE WIND				
STRUCTURAL EXCA- VATION 100 %	BORROW EXCA- VATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %	MINIMUM 0 °F	MAXIMUM 0 °F	WIND 0 MPH		
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO FACT?					24 HOUR PRECIPITATION				
					INCHES 0.10		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 4			SKILLED 9	LABORERS 8	TOTAL 21	FROM 0700	TO 1530 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.									
<b>QA NARRATIVES</b>									
<b>Contractor/Subcontractor &amp; Area of Responsibility for Work:</b>					Unresolved Issue: No      Shift: 1				
Kurt Mintell 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 - NO Subcontractor Vellieux - NO saw cutting today Middletown Police - State Police - 2 -afternoon shift/ Flaggers for the morning shift.									
<b>Work Performed Today:</b>					Unresolved Issue: No      Shift: 1				
Kurt Mintell    Water Tank Site and Access Road: Working on Rip Rap apron on right side of access road between 2 driveways. Talked with Billy & Mike Pio about the 8" drain for house #224, they are aware and will be tying into the existing drainage system. Talked with Mike Pio about the elevation of the elevation (one of the neighbors has concerns about car clearance. mike informed me the basin was not set final grade'  State/Town Roads: 2 Flaggers onsite State Road, State Police later in the day State Road 1: Excavate at STA 159+30 and tie into existing gate valve and butterfly valves for 8" fore service and 6 " domestic water lines. NO compaction testing today.									
Pay Items: 40 LF for fire service STA 159+30 1. 8" Restrained Pipe -0 2. Fire Hydrant Assembly -0 3. Police - 2 flaggers/ State Police 4. Illuminated Signs - yes 5. Sawcut Town Roads - Feet 6. Sawcut State Roads - 14 - 7. 16" Restrained Pipe - 0 8. 20 inch pipe at access road -0 9. 20 inch pipe Restrained -0 10.Silt Fence - NONE 10. Ledge Removal - None encountered today 11. Trailer cleaned - N 12. 8 inch Gate Valve -0 13. Bank Run Gravel- 7.9 CY 14. 6" restrained -40 for water service STA 159+26									
<b>Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken:</b>					Unresolved Issue: No      Shift: 2				
Kurt Mintell    1. Tanks site & trench - there is rocky material coming being excavated - reviewed requirement with Jerry (QCM) and Billy Decruz (Ludlow Foreman) that anything larger then 5 inches should not be put back into the trench when backfilling. Review DAILY - discussed with Jerry QCM. 2. Compaction testing requirements every 25 feet on state road. - NONE needed today 3. Compacted layers on State road backfill requirements on state - reviewed requirements of lifts.									
<b>Verbal Instructions Given to Contractor:</b>					Unresolved Issue: No      Shift: 2				

Kurt Mintell 1. Ensure crews & QC are inspecting and correcting sediment controls around work areas daily. Including Storm drains and silt fence. There is some rain today - ensure no damaged silt fence prior to leaving for the weekend.  
2. Noted mud clumps in the road due moving equipment (0715) called CQC Jerry and requested more effort to keep the road clean where traffic is passing through. REVIEW DAILY - especially after rain event.

**Miscellaneous Remarks and Visitors to Project:**

Unresolved Issue: No

Shift: 1

Kurt Mintell Jerry - QC  
Rob P - SSHO  
John Pio - Superintendent  
Mike Pio - NO  
USACE - KM  
AECOM - Joel onsite  
JTC - NONE today  
Mike Cunningham

Ludlow has:  
2 Foremen  
3 truck drivers , 5 operators + 1 Sub Truck driver Vylmak =9 skilled  
7 laborers +

**Miscellaneous Remarks and Visitors to Project:**

Unresolved Issue: No

Shift: 1

Kurt Mintell Water encountered while excavating:  
in trench at the tie in location 159+30

PR Comments, encounters or issues:

CT DOT onsite or communication:

SWPP related inspections or comments related to SWPP enforcement: Inspection of sediment controls done by CQC.  
I recommended proactive approach to maintaining sediment controls, with a known rain event in the forecast.  
I spoke with Billy DaCruz (Ludlow foreman working on the shared access drains) & Jerry Brandon (CQC) about ensuring sediment controls & silt fence are all in place and in acceptable condition prior to leaving for the weekend.

**Safety:**

Unresolved Issue: No

Shift: 1

Kurt Mintell 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 with SSHO

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.

Noted flaggers being used today in lieu of State Police, this was due to potential weather cancellation today that did not happen. Ludlow canceled State Police yesterday and ended up using flaggers today. State Police came by and stated that State Troopers would need to be used when it is raining due to limited visibility.

QA REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE