

<b>QUALITY ASSURANCE REPORT (QAR)</b> <b>DAILY LOG OF CONSTRUCTION</b>					REPORT NUMBER 520		Page 1 of 1	
					DATE 21 May 2020 - Thursday			
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002			
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 58 °F Max 72 °F No 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  58 °F	MAXIMUM  72 °F	0 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  1	OFFICE  0	LAYOUT  0	INSPECTION  2	TOTAL  3	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				
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> 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: Connecticut Traffic Control - 0 Subcontractor: John Turner Consulting - YES (Steve) Subcontractor Vellieux - 0 Middletown Police - 0 State Police -2					Unresolved Issue: No                      Shift: 1			
<b>Work Performed Today:</b> Kurt Mintell Water Tank Site and Access Road: Due to asphalt Mill machine not working the KTR is: 1. Sawcutting the 12" overlaps 2. Excavating the material with excavator 3. Hand grading prior to paving- working up Watch Hill on the cul de sac side   State/Town Roads: 2 State Police directing traffic Install 16" DI pipe from on 17. Encountered ledge and had to chip out, cut Contractor production by 60%. All ledge replaced with suitable fill, & compacted (fill included in the CLIN. JTC onsite testing each lift every 25LF   Pickett Lane 3rd Crew (Quincy Foreman) at Pickett Lane to installing 12" Restrained DI Pipe: 2 flaggers onsite  Pay Items: ITEMS  5: 120 FEET OF 16 INCH PIPE: STA 197+36 TO 198+56 12: 1 16X16X8 TEE: STA 198+10 (INSTALL A 16X16X6 TEE FOR DURHAM MANUFACTURING, PLANS Call FOR A 4 INCH SERVICE BUT 16X16X4 TEES DO NOT EXIST SO A 16X16X6 TEE WAS INSTALLED AND REDUCED TO FOUR INCH WITH A FOUR INCH GATE VALVE. May need to be paid as a 16*16*8 TEE) 25: 4 INCH GATE VALVE: STA 198+10 28: 1 1 INCH CORP: STA 198+06 54: 19.25 CUBIC YARDS OF ROCK EXCAVATION: STA 198+30 TO 198+56 55: 31.91 CUBIC YARDS OF BANK RUN GRAVEL: 90X3.83X2.5=861.75/27=31.91 CY 61: 240 FEET OF STATE SAW CUT  QUINCY'S CREW 6: 217 FEET OF 12 INCH TR FLEX PIPE: STA 525+18 TO 527+35 16: 12X12X4 TEE: STA 525+75					Unresolved Issue: No                      Shift: 1			

22: 1 12 INCH GATE VAVLE: STA 526+00

25: 1 4 INCH GATE VAVLE: STA 525+75

55: 60X3.5X2=420/27=15.55 CUBIC YARDS OF BANK RUN GRAVEL (HIT UNSUITABLE MATERIAL AT STA 525+75 TO 526+35)

62: 434 FEET OF TOWN SAW CUT

**Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken:**

Unresolved Issue: No

Shift: 1

Kurt Mintell

Observed the installation of the 16" Pipe - reminded the QCM Jerry & Jon Pio to ensure no rocks larger than 5" are in the compacted layers of the trench.

Compaction Tests today - Steve (JTC) onsite - noted each lift being tested every 25LF as required in CT Permit.

Review compaction requirements in Pickett Lane. Initial Inspection. Reviewed the Lift thickness, proper material and compaction testing every 500Feet.

Inspection of permanent paving method - KTR is cutting 12" past the original trench cut and excavating down 4" as shown on the drawings.

**Verbal Instructions Given to Contractor:**

Unresolved Issue: No

Shift: 1

Kurt Mintell

Ensure no out of spec. rocks are put back in the trench after installing the pipe (5 inch pipe)

Ensure silt fence is all in place and functioning

Trench Box Requirements Reviewed DAILY.

Ensure all Road CLOSED signs are removed at the end of each shift.

Ensure Pickett Lane is swept clean of dirt and debris left from construction activities prior to opening the road. COVERED DAILY

Ensure the traffic limit is clearly marked on Pickett Lane to prevent vehicles from entering the construction zone. COVERED DAILY

Spoke with Jon Pio & Quincy: ensure all signs are removed, all material removed from the roadway and all construction related materials and equipment off the road at the end of the shift & prior to opening PICKETT Lane. COVERED DAILY

Enforce the speed limit on the dirt road going to the trailers to prevent unnecessary dust, CLIN74 for Calcium Chloride for dust control can be used to keep dust down.

**Miscellaneous Remarks and Visitors to Project:**

Unresolved Issue: No

Shift: 1

Kurt Mintell

Jerry - QC

Rob P - SSHO

John Pio - Superintendent

Mike Pio - onsite

USACE - Kurt Mintell, Bob Christie & Lisa

AECOM - Joel

Mike Cunningham

Steve - JTC Consulting

Quincy - Foreman on Pickett

**Miscellaneous Remarks and Visitors to Project:**

Unresolved Issue: No

Shift: 1

Kurt Mintell

Water encountered while excavating:

NONE

PR Comments, encounters or issues:

Email for Karen Keane concerning dust control. I spoke with Mike Cunningham, he agreed contractor will wet the area down 2-3 times to keep the dust down, mentioned to Jon Pio about possibility of keeping a water truck onsite. I responded to Karen with this information.

CT DOT onsite or communication or CTDOT related items:

Reviewed Permit Required Requirements of equipment parked 15' feet off the road. Clean all debris and components from the SROW prior to shift end.

Remind contractor to ensure no gravel or material is being dropped on the haul route.

**Miscellaneous Remarks and Visitors to Project:**

Unresolved Issue: No

Shift: 1

Kurt Mintell Discussion with Mike Pio concerning the pay width of the trench for each diameter of water main being installed. We have an understanding that any bank run material or rock and ledge removal quantities being done during the water main installation are only paid inside the pay limits identified on the drawings on page C-502. Ludlow is over excavating beyond the pay limits by 14" in width.

Mike Pio understands the Government will not pay for the additional quantities to fill the trench.

All daily quantities will accurately portray this pay limit.

The QTYS will be verified daily that.

**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.

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. 1 Middletown Police for 4 hours on Talcott Ridge, 2 certified flaggers on Pickett Lane.

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. REVIEW & INSPECTED today.

6. Low overhanging wires, and methods used to ensure no contact with wires. KTR is using specifically designed extendable poles to support the low hanging wires. Jon Pio is the competent person overseeing. CONTINUING

- 7. Noted tri axle trucks on Talcott Ridge access road - back up alarms working & back up lights working.
- 8. No issues with spilled material in the road today.
- 9. Discuss jobsite Safety Requirements on Picket Lane with new crew installing pipe. REVIEWED TODAY

Inspection of hooks with spring loaded protectors-  
noted one not operational - reported to SSHO. he informed me the crews are not using the hooks. LEAVE OPEN and FOLLOW UP.

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