

QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION					REPORT NUMBER 485		Page 1 of 1	
					DATE 16 Apr 2020 - Thursday			
PROJECT Durham Meadows Waterline Remedial Design					CONTRACT NUMBER W912WJ19C0002			
CONTRACTOR Ludlow Construction Co., Inc.					WEATHER Weather Caused No Delay Temperature Min 38 °F Max 49 °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 38 °F	MAXIMUM 49 °F	0 MPH	
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO FACT?					24 HOUR PRECIPITATION			
					INCHES 0.00		ENDING M	
NUMBER OF GOVERNMENT EMPLOYEES					RIVER STAGE			
SUPERVISORY 0	OFFICE 0	LAYOUT 0	INSPECTION 0	TOTAL 0	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.								
QA NARRATIVES Contractor/Subcontractor & Area of Responsibility for Work: <div style="float: right;">Unresolved Issue: No Shift: 1</div> <p>Kurt Mintell Project involves installing water main from a new Middletown Water Tank into Durham and tying into homes & businesses:</p> <p>Prime Contractor: Ludlow - Installing watermain & associated components. Subcontractor: ACE Consulting - SSHO Rob Peddicord & CQC Jerry Brandon Subcontractor: John Turner Consulting - NO Subcontractor Vellieux - Saw cut on 17 - 1 worker Middletown Police - State Police -</p> Work Performed Today: <div style="float: right;">Unresolved Issue: No Shift: 1</div> <p>Kurt Mintell Water Tank Site and Access Road: Install 20 inch pipe along shared access drive heading towards the water tank. Excavation is past the driveway intersection and heading up the hill toward the tank site. Noted a sump installed to allow the trench to be pumped prior to excavation. No ledge removal needed as of 0900 - rocky material being removed from trench - will need to be replaced with suitable</p> <p>State/Town Roads: POLICE onsite</p> <p>State Road 1: 1. Hydrant installed yesterday - approx STA 19+00 was closer then 24" to the road. Contractor excavated and corrected the hydrant location first thing. Working in the State ROW - no lanes closed- completed correction by 0800. Hydrant is now 28" from road edge. 2. Install Fire hydrant - approx 128+58 , the hydrant is placed at 24" from edge of road - KTR notified me that the slope of the terrain did not allow the hydrant to be pushed back any further or it would be sticking out of the ground too much. 3. Install Manual Water Main Drain at STA137+73. KTR excavated to the 16 inch water main installed in 2019 and attached 6" restrained pipe to gate valve. This pipe terminates into the Manual Water main drain. (Large accessible concrete structure with man hole cover)</p> <p>Sawcut on 17 - 2 State Police and saw cut truck. Noted sweeper keeping the rod clear of slurry and debris from saw cutting.</p> <p>Pay Items: 1. 8" Restrained Pipe - 2. Fire Hydrant Assembly - 1 at 128+58 3. Police - 3 State Police 4. Illuminated Signs - yes 5. Sawcut Town Roads - 129 Feet 6. Sawcut State Roads - - pipe along edge of road - only cut ones side, excavated along curb line 7. 16" Restrained Pipe - 0 8. 20 inch pipe at access road - LF included in Water Tank CLIN87 9. 20 inch pipe Restrained - 139 LF STA 12+52- STA11+14 10. Silt Fence - installed yesterday 188LF 11. Ledge Removal - None encountered today 11. Trailer cleaned - Y 12. 8 inch Gate Valve</p>								

13. Bank Run Gravel- 9.78 CD @ 128+58 & 137+73
14. Manual Water Main drain =1
15. 6" restrained into Manual Drain - 10'6"

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

- Kurt Mintell 1. Agreed 24 inches the minimum placement of fire hydrants from the roadside of curb or edge of road where there is no curb. This was discussed with Jon Pio. Sheet C502 shows proper placement of the with curb only.
2. Tanks site trench - there is rocky material coming being excavated - reviewed requirement with Jerry (QCM) and Billy Decruz (Ludlow Foreman) that anything larger than 5 inches should not be put back into the trench when backfilling.
3. Observed manual water main drain install at STA137+73 - 6 inches of proper gravel placed in excavation with fabric.

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

- Kurt Mintell 1. Ensure storm drains are covered & protected per the SWPP - phone call to John Pio - he informed me that some of the storm drain covers may not come off due to being bent - when this is encountered, he wants to cover with fabric and gravel. This would be removed at the end of the shift. This was
2. Ensure State Right of Way is being repaired of equipment ruts and any other construction debris. Jerry B - notified Mike Cunningham that the State ROW in from to Compass Powder Coating has ruts and torn grass (STA 19+00), he is adding this to the punch list of items needing repair.
3. 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

Kurt Mintell Water encountered while excavating:
Noted water where the fire hydrant was tied into the 16" water main last year at STA128+58
Water at STA 137+73 where manual drain is installed - water is flowing from the trench with 16" main on 17

PR Comments, encounters or issues:
Called Mike Cunningham to advise him the State ROW and some grass in front of Compass Powder Coating is damaged and to repair prior to next meeting

CT DOT onsite or communication: None today

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 Vynak =9 skilled
7 laborers + 1 saw cutter (Vallieux)= 8 laborers

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

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 is reviewed requirements & discussed at Safety Meeting. EM385 25.A.01 paragraph b. states less than 5 feet the excavation trenching plan is optional
6. Traffic Control Excavation on 17 -

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-00002	Fire Hydrant	The fire hydrant placed at station 118+90 was placed 16" from the edge of the road. It's required to be 2 feet. I verified the measurement with Jon and he agreed it was to close to the road. Jon is planning on moving it back off the road further tomorrow.	QA Concurrs Corrected

QA REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE