

**QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION**

REPORT NUMBER 1016 Page 1 of 1

DATE  
29 Sep 2021 - Wednesday

PROJECT  
Durham Meadows Waterline Remedial Design

CONTRACT NUMBER  
W912WJ19C0002

CONTRACTOR  
Ludlow Construction Co., Inc.

WEATHER  
Weather Caused No Delay  
Temperature Min 66 °F Max 52 °F  
No Precipitation No Wind

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
100 %	0 %	0 %	0 %	0 %

TEMPERATURE		WIND
MINIMUM	MAXIMUM	
66 °F	52 °F	0 MPH

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION  
INCHES 0.00 ENDING M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
0	0	0	2	2	0

RIVER STAGE	
FEET	TIME
0.0	M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
0	0	0	0

NUMBER OF SHIFTS		<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	
FROM	TO	FROM	TO	FROM	TO
0700	1530 M	M	M	M	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**

**Work Performed Today:**

Unresolved Issue: No Shift: 1

Kurt Mintell  
Ludlow crew:  
Working at 325 Main Street installing the external water service.  
1. Rock encountered  
2. Cut parking lot  
3. Install 1.00 pipe  
4.

DN Tank:  
Installing Tank Ventilation components at the tank.

**Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken:** Unresolved Issue: No Shift: 1

Kurt Mintell  
Requested materials audit of all components being used by AR Electric. Meaning collect all shop drawings and verify the components and means and methods being used match the spec since there is some variation in the drawings.  
KEEP OPEN AND CARRY DAILY

Contractor installed additional sediment & Silt controls worked well for the 6" rain event. This was extra material & labor requested by EPA, the contractor will be requesting Equitable Adjustment for this work & labor. KEEP OPEN.

Requested silt controls improved at the Maiden Stream Crossing. - REMAINS OPEN.

Noted compaction at the tank site = 1.25" processed in 6" lifts being rolled with driven roller.

Tank Ventilation:  
1. Made in America components. BOLTS MADE IN CHINA - see photo, Per Mike Pio he is buying bolts that meet Made in America ACT  
2. Review brackets for pipe. - good  
3. Inspecting the vertical piping. good

EMAIL TO QCM for DFOW starting Monday:  
Jerry,  
I have a few comments/questions concerning the electrical work that will be done next week:

1. Will the electrician be removing the inside wiring from the abandoned wells?
2. Will the breaker be removed that powered up the wells?
3. What type of grounding connectors will be used on the new water systems and where will they be placed?
4. Will all grounding rods be cad welded as described in your PREP MEETING paperwork, even existing grounds?
5. I believe the new water system will be grounded directly to the electrical panel – what gauge wire is required for this?

This is a few items I would like to verify prior to the beginning of this DFOW. I assume there will be more.

Respect,  
Kurt J. Mintell  
Construction Control  
USACE

OFF: 9783188362  
Cell: 4138005219

**Miscellaneous Remarks and Visitors to Project:**

Unresolved Issue: No

Shift: 1

Kurt Mintell

Request to Jerry (QCM) to clean up at the Maiden Stream Crossing - there is still silt fence not installed properly - or remove it. Equipment left on the town right of way with mud and track marks - please clean up the site in general.

Visit Luigi on the tank access road to discuss the drainage issue with his apron / driveway. Mike Pio agreed to repair this next week when doing the rest of the drainage. ( per MP approx. 2500.00 )

Visit 248 Main with issues with water running into the basement along with the fines.

I just spoke with Kurt. My suggestion was to re-excavate just beyond the trench area that was disturbed for the water service installation to expose the foundation, clean the stone foundation exterior as best you can and apply a mortar parge coat to the foundation exterior from the ground surface to the base of the wall. Once the mortar has dried apply a bituminous foundation sealer to the area. Hopefully this will solve the water infiltration problem.

**Safety:**

Unresolved Issue: No

Shift: 1

Kurt Mintell Safety Inspections items:

1. PPE - Good -
2. Traffic pattern/control - work at Durhm RX - flagger onsite for traffic control
3. Working in excavation - No trenching.
4. Muddy & trip hazards - while trenching and working around tight quarters - none today
4. Situational awareness while working around heavy equipment. Excavating for trench/ mini excavator
5. Proper lifting techniques - lift with knees not low back
6. COVID - Discussion prior the work day - Agreed that workers will wear a mask when entering someone's home
7. Ladders in the trench - as needed.
8. Discussion with Rob ensuring the jobsite is secure at all locations prior to leaving the site.
9. Equipment being driven on roads - have a truck behind with flashing lights.
10. Safety mask / full cover while cutting rebar. NA TODAY
11. Hearing protection used during ledge removal operations - YES - there is rock removal at Durham RX
12. Sika requirements - United Concrete mixing non shrink mask required for this activity

REVIEW WITH SSHO:

NO new safety issues to review today.

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

**The following QA Deficiency items were issued today:**

<u>QA Deficiency Item</u>	<u>Location</u>	<u>Description</u>	<u>Status</u>
QA-00019	Tank Ground	Section 16450-5 H Please ensure all buried ground connections are exothermic welded.	QA Concurrs Corrected

QA REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE