

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

REPORT NUMBER 920 Page 1 of 1

DATE
25 Jun 2021 - Friday

PROJECT
Durham Meadows Waterline Remedial Design

CONTRACT NUMBER
W912WJ19C0002

CONTRACTOR
Ludlow Construction Co., Inc.

WEATHER
Weather Caused No Delay
Temperature Min 52 °F Max 77 °F
No Precipitation No Wind

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE WIND

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE	MINIMUM	MAXIMUM	WIND
100 %	100 %	100 %	100 %	100 %	52 °F	77 °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	ENDING
0.00	M

NUMBER OF GOVERNMENT EMPLOYEES

RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR	FEET	TIME
0	0	0	2	2	0	0.0	M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
0	0	0	0	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: Yes Shift: 1

Kurt Mintell
Complete the water connection/ exterior at 174 Main Street.
KTR connected curb stop to 1" copper pipe already installed last year. NO issues with the tie in
Total = 3 LF

Exterior water connection at 202 Main Street - KTR encountered black water while excavating along the path for the water pipe drawn on the plans. There are signs of leeching materials.
KTR closed up trench and put loam & seed.
Homeowner has been notified and understands the situation.

KTR spent approx. 3 hours excavating at 202 Main Street and back filling. The system for 202 Main will have to go back to AECOM for review and possible redesign - this may result in a REA from Ludlow

Work Performed Today:

Unresolved Issue: No Shift: 2

Joseph Currier
Ludlow Construction - Workers are backfilling conduit trench along the access road to the tank. Backfilling process consists of sand being placed around conduit, marking tape placed on top, followed by native soil in 12" lifts. Compaction is being achieved by roller.

CQC Inspection Phases Attended and Instructions Given:

Unresolved Issue: No Shift: 1

Kurt Mintell
Jerry ,
Please see identified issues for the INTERIOR of the water tank that should be addressed prior to the walk through:

1. There is a penetration hole on NW side of the tank towards the NW at the top.
2. There is a penetration hole on the SE side of the tank towards the SE at the top.
3. Clean black paint splatter in the footing and floor of the tank
4. Final touchup of the black epoxy to smooth the seams
5. There are shims behind the railing inside the tank railings facing the access road.
6. Clean and flush the drain in floor
7. Wood form pieces around the drain need to be removed (floor)
8. Patch holes in the ceiling.

Feel free to add additional comments if anyone identifies other items.

Inspection at 1100 for PRE-FINAL of the interior

Respect,
Kurt J. Mintell
Construction Control
USACE
OFF: 9783188362
Cell: 4138005219

Noted KTR removing larger stones while excavating for the waters services. See photo.

Noted 2 different color paint on the Teleflex piping inside the tank - FOLLOW UP

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

Kurt Mintell
See email from DN Tank concerning the PRE-FINAL INSPECTION:
All,

After this morning's preliminary walk-through, a handful of items were brought to our on-site superintendent's attention that needed to be addressed or answers needed to be provided. Below are responses to those items:

- Mil thickness of Tnemec N140 on interior riser piping: I have already reached out to the supplier of the pipe for confirmation on the mil thickness of the coating that was applied, and I will communicate that once I receive it from the supplier.
- Interior finish on temporary opening: We are in the process of procuring an NSF-61 certified repair mortar to improve the finish on the interior portion of the temporary opening. This work should be accomplished on Monday of next week.
- Measurement from top of weir cone to dome surface: We are unable to safely take this measurement with the equipment available to us.
- Silt ring on drain pipe: There was not a silt ring or silt stop detailed on the drain line in the approved shop drawings (DWG 8.20). There is a 2' square sump surrounding the pipe as is detailed on the drawings.

DN Tanks intends to complete all remaining work, including a final cleaning of the tank interior as well as our work area, and be off-site by end of day Thursday next week.

Please let me know if anyone has any questions regarding any of this information.

Thank you,

Jake Sreca

Miscellaneous Remarks and Visitors to Project: Unresolved Issue: No Shift: 2

Joseph Currier

A pre-final inspection of the interior of the water tank was conducted today. Personnel present for inspection were Myself, Kurt M. from USACE. From AECOM Rich B. and Joel M, with Ludlow construction attendees were Rob P, Jerry B. DN tanks consisted of Andrew the superintendent. Notes and any deficiencies are listed further in this report under QA activities.

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-00009	Tank site	1. Rough concrete finish needs to be smoothed out with approved filler material 2. Verify paint thickness on the tideflex pipe system 3. Clean drain 4. Remove existing black paint with no primer behind 5. Pressure wash interior of tank 6. Tighten brackets holding the tideflex piping 7. Verify the top of the overflow elevation	Not Reported Corrected

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