

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

REPORT NUMBER 919 Page 1 of 0

DATE  
24 Jun 2021 - Thursday

PROJECT  
Durham Meadows Waterline Remedial Design

CONTRACT NUMBER  
W912WJ19C0002

CONTRACTOR  
Ludlow Construction Co., Inc.

WEATHER  
Weather Caused No Delay  
Temperature Min 79 °F Max 53 °F  
No Precipitation No Wind

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE WIND

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %	MINIMUM 79 °F	MAXIMUM 53 °F	WIND 0 MPH
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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

RIVER STAGE

SUPERVISORY 0	OFFICE 0	LAYOUT 0	INSPECTION 0	TOTAL 0	LABOR 0	FEET 0.0	TIME M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 0	SKILLED 0	LABORERS 0	TOTAL 0	FROM 0700	TO 1530 M	FROM M	TO M	FROM M	TO M
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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  
Complete the water connection/ exterior at 188 Main Street.  
KTR made effort to avert the large tree in the yard.  
This is a continued effort by the KTR to complete this service started yesterday.  
Noted 12" sand and marking tape and backfilled.  
Total = 82 LF

Exterior water connection at 199 Main Street - site visit showed improper drawing. 1" copper pipe shown coming through the wall where there is a crawl space and additional foundation wall inside. Running the pipe at this location will not work. KTR is able to relocate the penetration on the NORTH side of the structure not far from the original location. This may change the LF of copper needed to make this connection but will not be a CHANGE. - 18 LF

Exterior water connection at 201 - Durham Manu - drill from inside to outside due to finished inside. Noted trench excavated to 60" and 1" copper pipe connected from the curb stop and snaked through the foundation. Grout used to seal the penetration inside and out-  
Total LF = 33  
Noted blue marking tape place approx 12" above the new copper pipe  
NOted each service is flushed prior to connecting

DN is unable to complete the installation of the TIDEFLEX system piping due to incorrect fasteners. They will have the fasteners tomorrow. Today they are working on the punch list for tomorrow interior inspection at 1100

**Progress of Work, Causes and Extent of Delays:**

Unresolved Issue: No Shift: 2

Joseph Currier

DN Tanks - Is finishing up the inset pipe within the tank today. They are planning on finishing the toe boards and lift hole fills on top of the tank tomorrow. Demobilization DN Tanks is scheduled for tomorrow the 25th.

**CQC Inspection Phases Attended and Instructions Given:**

Unresolved Issue: No Shift: 1

Kurt Mintell  
See email concerning the pipe finishes on the Tidelflex system inside the tank - THIS ITEM IS CLOSED

Good afternoon Kurt,

To answer your questions:

- The piping is coated in a red NSF-61 approved epoxy, Thnec N140 Pota Pox Plus, as is called out on our approved shop drawings. The Tidelflex components are manufactured and coated with NSF-61 certified components. All piping and valves associated with the Tidelflex system are NSF-61 certified.
- We are in the process of procuring a small amount of the Thnec N140 Pota Pox Plus to perform touch-ups on the interior pipe to remove any surface imperfections.

Please let me know if you need any additional information or have any other questions.

Thanks,

Jake

Jake B. Sreca | Project Engineer  
DN TANKS | Generations Strong  
11 Teal Road, Wakefield, MA 01880  
Main Office 781.224.5164  
Mobile 804.252.3420  
www.dntanks.com

**Miscellaneous Remarks and Visitors to Project:**

Unresolved Issue: No

Shift: 2

Joseph Currier

Had a 0900 site visit at the tank to discuss installation of electrical conduit on the exterior of the tank. Several parties were present, Rich AECOM, Brian Middletown water, Mike Ludlow Construction and electrical subcontractor/supplier. KTR is proposing a conduit material change. Instead of galvanized they are proposing a PVC coated steel conduit. KTR will submit the material change for review. Another issue discussed was installation of the antennae at the top of the tank. No issues are foreseen with installation however it was stressed to ensure mast is independent from the railing system.

**Safety:**

Unresolved Issue: No

Shift: 1

Kurt Mintell

Safety Inspections items:

1. PPE - good at 2 separate work sites.
2. Traffic pattern/control - Traffic control for the water services at 188 and 199 - no lane closure
3. Working in excavation - Trenching for exterior 1" pipe from curb stop to house - trench box utilized if deeper the 5 feet.
4. Muddy & trip hazards - while trenching and working around tight quarters
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 - no discussion today
7. Concrete placement today - NONE
8. Caps on REBAR at booster station - on the rebar for the generator.
9. Ladders in the trench - yes
10. Safety Meeting for the installation of the tideflex pipe inside the pipe - review requirements for rigging.
11. DN - working in the tank - noted log in log out sheet at the entrance to the tank

QA REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE