

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

REPORT NUMBER 875 Page 1 of 0

DATE
11 May 2021 - Tuesday

PROJECT
Durham Meadows Waterline Remedial Design

CONTRACT NUMBER
W912WJ19C0002

CONTRACTOR
Ludlow Construction Co., Inc.

WEATHER
Weather Caused No Delay
Temperature Min 48 °F Max 65 °F
No Precipitation No Wind

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

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

TEMPERATURE		WIND
MINIMUM	MAXIMUM	
48 °F	65 °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

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
0700	1530 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

Contractor/Subcontractor & Area of Responsibility for Work: Unresolved Issue: No Shift: 1

Kurt Mintell
LUDLOW - Prime
United Concrete - AAV

Work Performed Today: Unresolved Issue: No Shift: 1

Kurt Mintell

United Concrete has three workers onsite (carpenters) installing the track and foam insulation inside the AAV. Verified 2" iso insulation installed in the ceiling - with NUDO FRP on 3/4 fire treated plywood.

Ludlow - installing 8" pipe from the Booster Building heading toward 17. No work in the road.

WORK PERFORMED TODAY BOOSTER STATION

- 8" water main station 750+00 and station 750+42
- 8" tee At station 750+24
- 8" gate valve at station 750+21
- 8" gate valve at station 750+09
- Fire hydrant at station 750+09
- 8" piping 200' 8x8x8 tee with 2' f pipe 8" GU 9'1" nip 8x6 and 11x6x9" bend vent 90' and 4.8" vent

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

Kurt Mintell
Visit to United Concrete to meet with Dan Orsini for QA Inspection:
Discussed :

1. PRV joint on the top of the vault - the caulking material is failing. Dan will schedule field inspection of the joint.
2. Fastening system to attach the booster building to the cast in place foundation - A-2 of the As- built show the detail of #6 rebar drilled onto the footing 8.5" deep and sealed with non shrink grout.
3. Verified 2" overhang - noted there was not a 2" overhang - more like 1.5.
4. 6" slop of the roof - while I was not able to physically climb onto the roof to verify - there was a slope that may have been 6"
5. Verified 6" access opening. Two 36" doors.
6. Noted cold joint in the pour - Dan the PM assured us with the rebar and required pretensioning system the join is a non issue. Also mentioned concrete carries a 20 year warranty.

Inspection AV - verified 2" iso insulation on the ceiling - proper insulation and fasteners
NUDO with 3/4 treated plywood with trim pieces

Comments Pertaining to Contractors' CQC Activities: Unresolved Issue: No Shift: 1

Kurt Mintell
Suggested to Russell to verify the work being done at The AV is correct - SEE QA Comments.

- Russell,
Please review the drawings for the AV, booster & meter buildings:
1. insulation requirements interior and exterior
 2. Fasteners & spacing

- 3. Fastening building to footing. (BOOSTER ONLY)
- 4. Caulk joints exterior and interior – there is caulk failing on the PRV
- 5. Verify ¾ ply with NUDO is fire rated.

This is the minimum I would like cover

Lets set up a FOLLOW UP meeting with UNITED CONCRETE to review these items.
Review AHAs of needed.

Safety:

Unresolved Issue: No

Shift: 1

Kurt Mintell

Safety Inspections items:

- 1. PPE good
- 2. Traffic pattern/control - only for moving concrete trucks around at the Booster Station - no issues
- 3. Working in excavation - NONE TODAY
- 4. Muddy & trip hazards identified.
- 4. Situational awareness while working around heavy equipment.
- 5. Proper lifting techniques - lift with knees not low back
- 6. COVID - no discussion today
- 7. Concrete placement today - AHA reviewed by SSHO - placement at the Booster Station
- 8. Caps on REBAR at booster station - NA today
- 9. Ladders at the AAV vault - United Concrete workers - no issues.

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