

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

REPORT NUMBER 847 Page 1 of 0

DATE
13 Apr 2021 - Tuesday

PROJECT
Durham Meadows Waterline Remedial Design

CONTRACT NUMBER
W912WJ19C0002

CONTRACTOR
Ludlow Construction Co., Inc.

WEATHER
Weather Caused No Delay
Temperature Min 45 °F Max 63 °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 45 °F | MAXIMUM 63 °F | WIND 0 MPH |
|--------------------------------|----------------------------|---------------------|-------------------|--------------------|------------------|------------------|---------------|

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO 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 1 | TOTAL 1 | LABOR 0 | FEET 0.0 | TIME M |
|------------------|-------------|-------------|-----------------|------------|------------|-------------|-----------|

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 |
|------------------|--------------|---------------|------------|--------------|--------------|-----------|---------|-----------|---------|

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

Billy Crew

Barnhardt Crane - 5 workers & John onsite to place the components of the Altitude Vault into the excavation
 1. Operator for Crane - Mike Marino
 2. Lift Supervisor - Steve Caron
 3. Assistant to Operator
 4. 2 Truck Drivers

United Concrete - assist placing and assembling the Altitude Vault Components - 4 workers:
 1. Supervisor - Wayne
 2. 3 laborers

Progress of Work, Causes and Extent of Delays: Unresolved Issue: No Shift: 1

Kurt Mintell
Barnhardt - still assembling the crane at 12:00 PM. Per John from BC the cable needed to be rerouted.
Altitude Vault components being dropped at the trailer lot

First section of the Altitude Vault lifted off the trailer at 1300 - placed in the excavation on the proper location layout marks.
Second second of the Altitude Vault lifted off the trailer at 1330 - there was some effort needed to line up this section with the first.

Billys crew is working at the Meter Building site- there is some water in the excavation. This is being pumped though filter fabric and into the woods. They are also prepping the site for the driveway.
While excavating for the footing, the Contractor encountered enough ground water to pump. Per Mike P, there will be a RFI coming concerning the groundwater

CQC Inspection Phases Attended and Instructions Given: Unresolved Issue: No Shift: 1

Kurt Mintell
Email sent to Ludlow concerning the Booster Building:

Jerry & Rob,

Please arrange QC Meetings for the excavation, footing, frost wall and rebar requirements for this Structure, in addition include AHAs for any of the work. Also include any environmental requirements. (ie silt fence).

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

This item remains open

Unresolved Issue: No

Shift: 1

Safety:

Kurt Mintell

Safety Meeting with Barnhardt Crane, Ludlow, & United Concrete:

Discussed PPE requirements, basic crane safety, Means and methods for egress in and out of the excavation.

ALSO Verified with SSHO

Rob,

Please see attached items we should verify when the crane & rigging is onsite & prior to any lifting activities:

1. Crane Inspection is current, this has not been included in the lift plan.
2. Crane is a LTM1400-500 ton crane. VERIFIED AT PREP MEETING
3. Mike Marino is the Crane Operator. VERIFIED AT PREP MEETING
4. Steve Caron is The Onsite Lift Supervisor. VERIFIED AT PREP MEETING
5. Sling = TPXCF/TPXC4000.-good
6. Snatch Block is a 12BB 120176.- good
7. Shackles – 1" Stock #1018653 and a 1.5" 1018614- good
8. Unilift Hardware – 6.0 – 100T. - good

If anyone would like to add additional SAFETY or QC comments please do.

I would like to meet Monday at the Lift Site to review the Lift Plan and discuss any concerns.

Respect,

Kurt J.Mintell

Construction Control

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Additional Safety Requirements discussed:

Respiratory Protection required while mixing SIKA non - shrink grout

No walking on top of the vault walls without fall protection - United Concrete workers will install the sealer between the walls and roof on step ladders from inside the vault.

LABOR INTERVIEWS

The following employees were interviewed today:

| Employer | Employee / Classification |
|----------|-------------------------------------|
| | Gregario Juarez LABORER, GROUP 1 |
| | Matt Shea LABORER, GROUP 1 |
| | Rodolfo Juarez LABORER, GROUP 1 |
| | Wayne Rivera LABORER, GROUP 1 |

QA REPRESENTATIVE'S SIGNATURE

DATE

RE/PROJECT ENGR'S INITIALS

DATE