

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

REPORT NUMBER 967 Page 1 of 0

DATE
11 Aug 2021 - Wednesday

PROJECT
Durham Meadows Waterline Remedial Design

CONTRACT NUMBER
W912WJ19C0002

CONTRACTOR
Ludlow Construction Co., Inc.

WEATHER
Weather Caused No Delay
Temperature Min 73 °F Max 94 °F
No Precipitation No Wind

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE WIND

| | | | | | | | |
|-----------------------|-------------------|------------|----------|-----------|---------|---------|-------|
| STRUCTURAL EXCAVATION | BORROW EXCAVATION | EMBANKMENT | CONCRETE | STRUCTURE | MINIMUM | MAXIMUM | WIND |
| 0 % | 0 % | 0 % | 0 % | 0 % | 73 °F | 94 °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 | 1 | 1 | 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 | 1500 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 - working at the booster station site excavating for 2 fire hydrants. Per the drawings these are outside the pay limit for the booster station. Noted KTR pumped water from the trench and connected into previously installed 6" pipe

Tie rebar cages for the light poles & lay out panel bolt patterns for the light poles.

Place concrete (10CY) for mixer at tank and generator forms at booster.

Noted AR Electric is onsite today installing the conduits for the tank in the duct bank

Fazzino - installing internal plumbing at 272 Main Street. Arrived onsite at 1100. Also removed 1 filtration system from this location

Results of QA Inspections and Tests, Deficiencies Observed, Actions Taken:

Unresolved Issue: No Shift: 1

Kurt Mintell
Concrete Placement for the generator pad at the booster station and mixer pad at the tank:

1. Ticket on the concrete truck indicated concrete was mixed at 0900
 2. No concrete was placed until 1035
 3. JTC noted slump of 6" - requirements were 3.5-4.5
 4. Air Content was 4.2 - requirement was 5-7.
- KTR ordered 5000LB mix rather than 4000 LB mix

Contractor chose to place the concrete into the two forms.
First was the mixer footing, then the generator pad (placed at 1100).
See photos of the slump being placed in the generator pad.

272 Main Street - Fazzino connected the water inside and removed 1 filtration system.

Review requirements for:

1. Spacing of hangers holding the pipe
2. Components meet requirements for Made in America Act.
3. PRV set at 60 PSI

Miscellaneous Remarks and Visitors to Project:

Unresolved Issue: No Shift: 1

Kurt Mintell
220 Main Street had a leased water softener from Eco water - phone number 8607063435 - relayed to M. PIO. He will resolve.
The filter was removed and thrown away.

Safety:

Unresolved Issue: No Shift: 1

- Kurt Mintell
Safety Inspections items:
1. PPE - good
 2. Traffic pattern/control - 1 flagger at Booster
 3. Working in excavation - Trenching for hydrants at booster station - box used
 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 - Discussion prior the work day - Agreed that workers will wear a mask when entering someone's home

- 7. Concrete placement today - YES 10 CY
- 8. Ladders in the trench - as needed
- 9. Safety Meeting to review bad weather protocols while working
- 10. Plumber onsite - working at 272 Main Street - No safety violations noted.
- 11. Rebar caps when needed in duct bank form work

Safety Inspection at trenching activities to review AHA & EM-385 Requirements:

- 1. Ladders in trench as required - good
- 2. Trench depth & setback of materials - reviewed - GOOD
- 3. Shelving requirements in trench - NOTED shelves being less then 24" - discussed with Rob Peddicord & Bill from Ludlow.

AAV Electrical panel - noted open excavation, rebar needing caps -CLOSED

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