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| QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION | | | | | REPORT NUMBER 616 | | Page 1 of 0 | | | | | | | | |
| | | | | | DATE 25 Aug 2020 - Tuesday | | | | | | | | | | |
| PROJECT Durham Meadows Waterline Remedial Design | | | | | CONTRACT NUMBER W912WJ19C0002 | | | | | | | | | | |
| CONTRACTOR Ludlow Construction Co., Inc. | | | | | WEATHER Weather Caused No Delay Temperature Min 74 °F Max 91 °F No Precipitation No Wind | | | | | | | | | | |
| PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS | | | | | TEMPERATURE WIND | | | | | | | | | | |
| STRUCTURAL EXCA- VATION 0 % | | BORROW EXCA- VATION 0 % | | EMBANKMENT 0 % | | CONCRETE 0 % | | STRUCTURE 0 % | | MINIMUM 74 °F | | MAXIMUM 91 °F | | WIND 0 MPH | |
| HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING FO FACT? <div><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (Explain)</div> | | | | | | | | | | 24 HOUR PRECIPITATION | | | | | |
| | | | | | | | | | | INCHES 0.00 | | | | | |
| NUMBER OF GOVERNMENT EMPLOYEES | | | | | | | | | | RIVER STAGE | | | | | |
| SUPERVISORY 0 | | OFFICE 0 | | LAYOUT 0 | | INSPECTION 2 | | TOTAL 2 | | LABOR 0 | | FEET 0.0 | | TIME M | |
| NUMBER OF CONTRACTOR'S EMPLOYEES | | | | | NUMBER OF SHIFTS <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 | | | | | | | | | | |
| SUPERVISORY 0 | | SKILLED 0 | | LABORERS 0 | | TOTAL 0 | | FROM 0700 | | TO 1530 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 | | | | | | | | | | | | | | | |
| Work Performed Today: Unresolved Issue: No Shift: 1 | | | | | | | | | | | | | | | |
| Kurt Mintell DN Tank Forming for tomorrow pour, noted rebar installed, 9" water stop installed as shown on the plan. Working at the intersection of Talcott Lane and Maple Ave ITEMS: 7: 163.5 FEET OF 8 INCH TR FLEX PIPE: STA 305+96 TO 306+16.5 AND 940+93 TO 939+50 18: 1 8X8X8 TEE: STA 940+58 23: 4 8 INCH GATE VALVES: STA 306+15, 940+59.5, 940+56.5, 940+93 28: 2 1 INCH CORPS: STA 940+85.5 AND 939+57 62: 327 FEET OF TOWN SAW CUT Curbstop Crew on 17: Install curb stops at three residences - noted ledge encountered and removed. KTR used new material to replace the rocky material with new approved- this material is included in the CLIN (54) 0031: 1" Curbstops = 3 at 220 Main Street 195+82 216 Main Street 196+92 208 Main Street 198+06 0034: 1" Copper Pipe = 146 LF 0054: Rock and Boulder excavation - 34.58 CY 0062: Sawcut 103' LF | | | | | | | | | | | | | | | |
| CQC Inspection Phases Attended and Instructions Given: Unresolved Issue: No Shift: 1 | | | | | | | | | | | | | | | |
| Kurt Mintell 1100 meeting at the tank site to review items for Slab Placement tomorrow: 1. Safety while placing concrete 2. Proper Mix design 3. Time allowed on truck from mix - placement 4. Testing requirements 5. Rebar Inspection DN Tank AECOM Ludlow USACE | | | | | | | | | | | | | | | |
| Safety: Unresolved Issue: Yes Shift: 1 | | | | | | | | | | | | | | | |
| Kurt Mintell Emailed additional comments related to the Critical Lift Plan at 0830. See attached email: 1. 16.B.5 exemption is for hoisting equipment. Cranes are considered Load Handling Equipment (LHE) in the EM-385 so crane operators are not exempt from this requirement. 2. I will have to check with the High Hazard Working Group (HHWG) for LHE and Floating Plants if the State of Connecticut Crane Licenses meet the requirements in EM-385-16.B.03 (Option 4) 3. Need Lift supervisor's name and designation. (Lift supervisor should be on site with a critical lift.) | | | | | | | | | | | | | | | |

4. Need to complete form 16-1
5. Limiting factor for this lift will be the line pull not the load chart.
The Working Load Limit (WLL) of this wire is stated to be 22,500 LBS.
(Although I can't verify because the certificate is not in English). So
 $22,500 \text{ lbs} \times 3 \text{ parts of wire rope} = 67,500$ which changes the capacity to 97%.
5. Block is stated to be 1600 lbs. the photo of the block states 750 kg.
 $2.205 \text{ kg to 1 lbs} = 750 \times 2.205 = 1653.75$ round up to 1654. This could also change the capacity percentage.
6. There is not any deduction for the wire rope.
7. (The maximum wind speed allowable for operation at this capacity is 32ft./second, which is located in the attached package.) please convert to MPH. Also please follow EM-385 requirements on environmental conditions. This should be covered in the narrative and lift brief.
8. Plan needs to specify coordination and communication requirements for the lift operation.
9. Need designation letter for Qualified Rigger, Signaller, Crane Operator, and Lift Supervisor
10. Please describe how the load will not shift and rigging will not get chaffed while standing panel up.
11. Proof of rigging weight. I know the rigging has been engineered but I have some questions on capacity.
12. Please show how the panels will be rigged.
13. Need full inspection for crane not just the signed cover sheet. (need to see if there were any deficiencies and if there were, inspect that they have been corrected.)

I would like to discuss my review before it is sent to the contractor.

Thank you,
Bill

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