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|---|--|----------------------------------|-------------|--|
| <b>CONTRACTORS QUALITY CONTROL REPORT (QCR)</b><br><b>DAILY LOG OF CONSTRUCTION</b> |  | REPORT NUMBER<br>511             | Page 1 of 4 |  |
|   |  | DATE<br>12 May 2020 - Tuesday    |             |  |
| PROJECT<br>Durham Meadows Waterline Remedial Design                                 |  | CONTRACT NUMBER<br>W912WJ19C0002 |             |  |
| CONTRACTOR<br>Ludlow Construction Co., Inc.   | WEATHER<br>Weather Caused No Delay<br>Temperature Min 39 °F Max 56 °F<br>0.20 IN Precipitation 15 MPH Wind |                                  |             |  |

**QC NARRATIVES**

**JOB SAFETY**

SAFETY:  
 Crews arrived at 6:30am, Departed at 3:00pm  
 \*SSHO Rob Peddicord:  
 \*Monitored 3 main crews production activities: Jonathon Pio, Billy DaCRuz, and Quincy Cope foremen

\*Jonathon Pio's crew: Pipe installation on SB Rt 17.  
 \*2 State Police for traffic control

\*Billy DaCruz crew back at Water Tank Area; worked on the access driveway back to the WTA; grading road surface and slope surfaces

\*Quincy Cope crew working on Pickett lane, installing pipe.  
 \*2 Certified flaggers for traffic control (Certs on record)

\*Borrow/Dump Yard: 1 Operator loading dumps with trench backfill material; maintaining waste piles

\*Performed daily checklist inspections on Daily Report; Crews wearing all required PPE, Following Trench Safety, Crews alert of surroundings. Safety in compliance with EM 385-1-1. COVID-19 precautions being followed. (SEE Attached Ludlow SSHO Daily PDF Report, with attached photos)

\*Office work: The SSHO continued collecting and filing crew paperwork for Lift Plans, Confined Spaces, and Daily Equipment Inspections (See Lift Plan PDFs attached to RMS).

REVIEW: Yesterday afternoon incident: Truck driver from Ludlow subcontractor Vynalek Trucking rolled over his dump truck at the 3-way intersection of Rt 157 (East-West) into Rt 147 (North-South). See Safety Inspections comments

IN RESPONSE: 1) The subcontractor Vynalek was removed from the site

2) An additional safety meeting was held this morning on driving safety. The SSHO stressed obeying all local traffic laws,

including speed limits and traffic signs.

3) The SSHO, the QC Manager, and the Ludlow foremen will be closely monitoring compliance with safe driving standards

**TESTS REQUIRED BY SPECIFICATIONS, PERFORMED, AND THE RESULTS**

Compaction Tests: RT 17 South  
 STA 186+90 through STA 189+15

| STA 186+90     | STA 187+15     | STA 187.40     | STA 187+65     | STA 187+90     | STA 188+40     | STA |
|----------------|----------------|----------------|----------------|----------------|----------------|-----|
| 188+65         |                |                |                |                |                |     |
| 1: 96.2% M 4.1 | 1: 95.2% M 3.3 | 1: 95.5% M 3.7 | 1: 95.4% M 3.8 | 1: 95.7% M 4.1 | 1: 97.8% M 4.3 | 1:  |
| 96.8% M 3.7    |                |                |                |                |                |     |
| 2: 95.7% M 3.6 | 2: 96.0% M 4.0 | 2: 96.6% M 4.2 | 2: 97.3% M 3.0 | 2: 96.9% M 4.4 | 2: 97.5% M 3.6 | 2:  |
| 98.5% M 4.1    |                |                |                |                |                |     |
| 3: 99.5% M 3.6 | 3: 97.5% M 3.9 | 3: 98.2% M 2.6 | 3: 97.9% M 2.9 | 3: 97.7% M 3.4 | 3: 98.9% M 3.2 | 3:  |
| 95.4% M 4.3    |                |                |                |                |                |     |
| 4: 98.0% M 2.7 | 4: 97.0% M 2.6 | 4: 96.3% M 5.0 | 4: 96.7% M 4.8 | 4: 98.3% M 3.8 | 4: 97.4% M 3.0 | 4:  |
| 97.2% M 4.0    |                |                |                |                |                |     |
| 5: 96.4% M 5.0 | 5: 95.1% M 5.4 | 5: 95.9% M 4.6 | 5: 99.7% M 3.5 | 5: 98.1% M 4.0 | 5: 96.1% M 4.4 | 5:  |
| 95.2% M 4.1    |                |                |                |                |                |     |

STA 188+90

1: 95.5% M 3.3

2: 98.3% M 2.9

3: 98.6% M 2.8

4: 95.7% M 4.9

5: 97.1% M 4.5

**WORK PERFORMED TODAY**

WORK PERFORMED TODAY

Weekly Safety Meeting: Driver Safety

Onsite 7:00 AM ; Offsite 3:30 PM

|  |             |   |                  |                |             |             |         |          |         |   |                  |
|--|-------------|---|------------------|----------------|-------------|-------------|---------|----------|---------|---|------------------|
| <b>CONTRACTORS QUALITY CONTROL REPORT (QCR)</b><br><b>DAILY LOG OF CONSTRUCTION</b>  |             | REPORT NUMBER   | Page 2 of 4      |                |             |             |         |          |         |   |                  |
|  |             | 511   |                  |                |             |             |         |          |         |   |                  |
|  |             | DATE  |                  |                |             |             |         |          |         |   |                  |
|  |             | 12 May 2020 - Tuesday   |                  |                |             |             |         |          |         |   |                  |
| PROJECT  |             | CONTRACT NUMBER   |                  |                |             |             |         |          |         |   |                  |
| Durham Meadows Waterline Remedial Design   |             | W912WJ19C0002   |                  |                |             |             |         |          |         |   |                  |
| <p>PERSONAL;<br/> Project Manager 1<br/> Superintendent 6<br/> Operators 7<br/> Labors 12<br/> Truck Drivers 5</p> <p>VISITERS:</p> <p>SUBCONTRACTORS ON SITE:<br/> Police Officers = 2<br/> 2 Certified Flaggers.<br/> John Turner 1</p> <p>WORK COMPLETED;</p> <p>Jon's Crew Waterline on Rt 17 South;<br/> Quincy's Crew on Pickett Lane;<br/> Billy's Crew: New Water Tank Area.</p> <p>16" D1 pipe = 243 Feet of D1 Pipe installed from STA 186+85 to STA 189+28<br/> 12" D1 Restrained Pipe = 116 Feet of TR Flex at STA STA 503 TO 504+16<br/> 12" 1-12X8 TEE: STA 503+85<br/> 12" 1-12X4 TEE: 503+81<br/> 12" 1-12 Inch Gate Valve: 503+97.5<br/> 8" 1-8 Inch Gate Valve: STA 503+85<br/> 4" 1-4 Inch Gate Valve: 503+81<br/> 5-1 inch Corps: STA 186+97, 187+64.5, 188+26, 188+63, AND 189+19<br/> 1-1.5 Inch Corp: STA 187+28<br/> Rock Excavation: 7.4 Cubic Yards at STA 187+28 TO 187+48<br/> Road Gravel= 63.26 CY Bank Run Gravel<br/> Saw Cut= 486 feet in State Road/ 232 feet on Pickett Lane; Total=718 Feet<br/> Water Storage Tank and Access Roadway:<br/> Fill Slope and Road from STA 13+00 to STA 11+50<br/> Slope Stabilization from STA 16+00 to STA 14+26</p> <p>COMPACTION:<br/> State Road 17 South starting at STA 186+90 to STA 189+15</p> <p>QA/QC:<br/> QA Bob Christie and Kurt Mintell discussed with QC for Ludlow Construction, the compaction layers and materials used in Excavation and Backfill when installing the new water lines.</p> <p>PROJECT LAISON COORDINATOR:<br/> Job Narrative:<br/> Stopped out to all three job sites. Sent email to James Croteau (Regional School District # 13) asking about water availability form the Durham School District Building on Pickett Lane for construction activities.<br/> Talked with the owner of the building at the Durham Market at # 238 Main Street about the construction activity in front of the Market scheduled for Thursday, May 14, 2020.</p> |             |   |                  |                |             |             |         |          |         |   |                  |
| <p><b>PREP/INITIAL DATES</b> (Preparatory and initial dates held and advance notice)</p> <p>Preparatory Inspections held today _____</p> <p><b>No preparatory inspections held today</b></p> <p>Initial Inspections held today _____</p> <p><b>No initial inspections held today</b></p>   |             |   |                  |                |             |             |         |          |         |   |                  |
| <p><b>ACTIVITY START/FINISH</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; border-bottom: 1px solid black;">Activity No</td> <td style="border-bottom: 1px solid black;">Description</td> </tr> </table> <p><b>No activities were started or finished today</b></p>   |             |   |                  | Activity No    | Description |             |         |          |         |   |                  |
| Activity No  | Description |   |                  |                |             |             |         |          |         |   |                  |
| <p><b>QC REQUIREMENTS</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; border-bottom: 1px solid black;">Requirement No</td> <td style="width: 10%; border-bottom: 1px solid black;">Type</td> <td style="width: 55%; border-bottom: 1px solid black;">Description</td> <td style="width: 20%; border-bottom: 1px solid black;">Results</td> </tr> <tr> <td>CT-00132</td> <td>QC Test</td> <td>Compaction Testing on Rt 17 South from STA 186+90 to STA 188+90</td> <td>Awaiting Results</td> </tr> </table>   |             |   |                  | Requirement No | Type        | Description | Results | CT-00132 | QC Test | Compaction Testing on Rt 17 South from STA 186+90 to STA 188+90 | Awaiting Results |
| Requirement No   | Type        | Description   | Results          |                |             |             |         |          |         |   |                  |
| CT-00132   | QC Test     | Compaction Testing on Rt 17 South from STA 186+90 to STA 188+90 | Awaiting Results |                |             |             |         |          |         |   |                  |

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|   |   | DATE<br>12 May 2020 - Tuesday  |                 |
| PROJECT<br>Durham Meadows Waterline Remedial Design                                 |   | CONTRACT NUMBER<br>W912WJ19C0002   |                 |
| <b>ISSUED QA/QC DEFICIENCY</b> (Describe QA and QC Deficiency items issued)         |   |  |                 |
| Item No   | Location                                | Description  |                 |
| QA-00005  | Office                                  | Section 01 50 00 Page 10 paragraph 3.11.1 ( Resident Engineer Office), Contractor is responsible to provide a double wide trailer with an indoor lavatory. USACE on multiple occasions has raised the issue with the contractor that the bathroom has a bad odor coming from it and it appears to be vented improperly. This is a safety issue of possible toxic sewer gasses being released into the trailer. |                 |
| <b>CORRECTED QA/QC DEFICIENCY</b> (Report QC and QA Deficiency items corrected)     |   |  |                 |
| Item No   | Location                                | Description  |                 |
| <b>No QC Deficiency items were corrected today</b>                                  |   |  |                 |
| <b>CONTRACTORS ON SITE</b> (Report first and/or last day contractors were on site)  |   |  |                 |
| Name  | First Day                               | Last Day   |                 |
| <b>No Contractors had their first or last day on the site</b>                       |   |  |                 |
| <b>LABOR HOURS</b>  |   |  |                 |
| Employer  | Labor Classification                    | Number of Employees  | Hours Worked    |
| Ludlow Construction Co., Inc.   | TRUCK DRIVER, GROUP 1                   | 5.0  | 40.0            |
| Ludlow Construction Co., Inc.   | LABORER, GROUP 1                        | 12.0   | 96.0            |
| Ludlow Construction Co., Inc.   | PROJECT MANAGER                         | 1.0  | 8.0             |
| Ludlow Construction Co., Inc.   | OPERATOR HEAVY EQUIPMENT 1              | 7.0  | 56.0            |
| Ludlow Construction Co., Inc.   | SSHO                                    | 1.0  | 8.5             |
| Ludlow Construction Co., Inc.   | QUALITY CONTROL SYSTEM MGR              | 1.0  | 8.5             |
| Vellieux Sawcutting   | CIRCULAR SAW OPERATOR                   | 1.0  | 0.0             |
| Total hrs worked to date:   | 13,158.5                                | Hrs worked MTD:  | 1,534.0         |
|   |   | Total:   | 28.0            |
|   |   |  | 217.0           |
| <b>EQUIPMENT HOURS</b>  |   |  |                 |
| Serial Number   | Description                             | Idle Hours   | Operating Hours |
| L-20  | L-20 Kumatsu Front End Loader Billy     | 0.0  | 8.0             |
| TE-6 Excavater 03101  | TE-6 Volvo EW170 Rubber Tire Track Hoe, | 0.0  | 8.0             |
| E-4 0336FCRAB   | E-4 Cat 336 Track Hoe Jon               | 0.0  | 8.0             |
| T-36  | Dump Truck T-36                         | 0.0  | 8.0             |
| B-5   | Sweeper B-5                             | 0.0  | 8.0             |
| T-25  | T-25 Dump Truck                         | 0.0  | 8.0             |
| 07  | T-07 Dump Truck, Vynalek                | 0.0  | 0.0             |
| Ludlow  | Walk Behind Saw                         | 0.0  | 0.0             |
| E-20 ECR145DL,  | E-20 Volvo Excavator E-20 Jon           | 0.0  | 8.0             |
| E-19 Cat  | E-19 Cat 314C Trackhoe Billy            | 0.0  | 8.0             |
| T-50  | Ludlow Pickup Truck T-50                | 0.0  | 8.0             |
| T-14 PU   | Ludlow Pickup Truck T-14                | 0.0  | 8.0             |
| Vynalek   | Dump Truck, Unmarked (Tan bed)          | 0.0  | 8.0             |
| T 9   | Dump Truck T-9                          | 0.0  | 0.0             |
| T-77  | P U T-77 Billy                          | 0.0  | 8.0             |
| T-27  | Dump Truck T-27                         | 0.0  | 8.0             |
| E-9 Track Hoe   | E-9 336 Track Hoe Billy                 | 0.0  | 8.0             |
| T-64  | Dump Truck T-64                         | 0.0  | 0.0             |

|   |                          |          |               |   |                           |             |                  |
|---|--------------------------|----------|---------------|---|---------------------------|-------------|------------------|
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| T-42  | Ludlow Pickup T-42       | Jon      |               |   | 0.0                       | 0.0         |                  |
| T-86 Work Truck   | Pick Up Truck            | Billy    |               |   | 0.0                       | 8.0         |                  |
| T-40  | Dump Truck T-40          |          |               |   | 0.0                       | 0.0         |                  |
| T-65  | Ludlow Pickup Truck T-65 |          |               |   | 0.0                       | 8.0         |                  |
| T-78  | T-78 PU Work Truck       | Jon      |               |   | 0.0                       | 0.0         |                  |
| TE 15 Excavator   | Track Hoe                |          |               |   | 0.0                       | 0.0         |                  |
| T-84 Pick Up  | T-84 Work Truck          |          |               |   | 0.0                       | 0.0         |                  |
| L-18 950  | L-18 Loader              | Jon      |               |   | 0.0                       | 8.0         |                  |
| R-18 Roller   | R-18 Compactor           | JON      |               |   | 0.0                       | 8.0         |                  |
| D1 Cat  | D-1 Cat D-5 Dozer        | Billy    |               |   | 0.0                       | 8.0         |                  |
| T-86  | T-86 Dump Truck          |          |               |   | 0.0                       | 8.0         |                  |
| T-21 Dump   | Dump Truck T-21          |          |               |   | 0.0                       | 8.0         |                  |
| P U T-45  | PU T- 45                 | Billy    |               |   | 0.0                       | 0.0         |                  |
| R-17 Roller   | R-17 Roller              | Billy    |               |   | 0.0                       | 8.0         |                  |
| PB1   | Paver                    | Billy    |               |   | 0.0                       | 0.0         |                  |
| T-12 P U  | T-12 Work Truck          |          |               |   | 0.0                       | 8.0         |                  |
| T-67 Dump Truck   | T-67 Dump Truck          |          |               |   | 0.0                       | 0.0         |                  |
| G-3 Volvo Grader  | G-3 Road Grader          |          |               |   | 0.0                       | 8.0         |                  |
| W-1200  | Miing Machine            |          |               |   | 0.0                       | 0.0         |                  |
| Total operating hrs to date:  |                          | 12,673.5 | Idle hrs MTD: | 0.0   | Opr hrs MTD:              | 1,465.0     | Total: 0.0 192.0 |
| <b>MISHAP REPORTING</b> (Describe mishaps)<br><b>No mishaps reported today</b>      |                          |          |               |   |                           |             |                  |
|   |                          |          |               |   |                           |             |                  |
| CONTRACTOR CERTIFICATION  |                          |          |               | On behalf of the contractor, I certify that this Report is complete and correct and all equipment and material used and work performed during this Reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above. |                           |             |                  |
| QC REPRESENTATIVE'S SIGNATURE   |                          |          | DATE          |   | SUPERINTENDENT'S INITIALS |             | DATE             |