CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION PROJECT Durham Meadows Waterline Remedial Design CONTRACTOR Ludlow Construction Co., Inc. REPORT NUMBER 513 DATE 14 May 2020 - Thursday CONTRACT NUMBER Weather Weather Weather Caused No Delay

Temperature Min 37 °F Max 72 °F No Precipitation 7 MPH Wind

QC NARRATIVES

JOB SAFETY

SAFETY:

Crews arrived at 7:00am, 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)

* 1 Laborer performing chlorination testing; accompanied by John Ewanowski of Middletown and John Sugrue of JMI

*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).

*Weekly Progress Meeting: Safety; briefly discussed Monday's dumptruck rollover, and Wednesday's angry civilian driver, and the additional measures taken after each.

TESTS REQUIRED BY SPECIFICATIONS, PERFORMED, AND THE RESULTS

Chlorine Testing Starting at Talbott Road going south to Oak Lane; Started running out the water at approximately 8:30 AM;

Middletown Water;

Test 1=Sample Taken at 63 Trigo Drive at 10:41 AM

Test 2= Sample Taken at 8 Little Lane at 11:26 AM

Test 3= Sample Taken at 2175 South Main at 10:33 AM

Test 4=Sample Taken at 2330 South Main at 1051 AM

Ludlow

Test 1 Sample Taken at 7 Royal Oak Drive at 11:19 AM

Test 2 Sample Taken at Little Lane at 11:34 AM

Test 3 Sample Taken at 11 Oak Terrace at 11:30 AM

Compaction Tests on Rt 17:

| OTA 101 15 | | 0=4 404 0= | 074 404 00 | 0=4 400 4= | 074 400 07 | |
|-----------------|----------------|-----------------|-----------------|----------------|----------------|-------|
| STA 191+15; | STA 191+40 | STA 191+65 | STA 191+90 | STA 192+15 | STA 192+65 | STA |
| 192+90 | | | | | | |
| 1. 95.8%% M 3.6 | 1. 96.6% M 3.5 | 1. 95.7.% M 3.0 | 1. 98.2% M 3.7 | 1. 95.6% M 7.2 | 1. 98.7% M 8.6 | 99.2% |
| M 8.6 | | | | | | |
| 2. 96.2% M 2.9 | 2. 97.1% M 3.3 | 2. 97.7% M 3.5 | 2. 96.0% M 3.9 | 2. 96.7% M 7.4 | 2. 973% M 8.4 | 98.8% |
| M 3.2 | | | | | | |
| 3. 95.9% M 3.6 | 3. 98.2% M 2.4 | 3. 97.0% M 2.6 | 3. 100.1% M 2.4 | 3. 96.9% M 9.4 | 3. 95.7% M 3.6 | 97.4% |
| M 4.2 | | | | | | |
| 4. 98.4% M 7.5 | 4. 97.8% M 2.2 | 4. 98.1% M 7.1 | 4. 99.0% M 2.7 | 4. 98.5% M 2.7 | 4. 96.3% M 2.8 | 98.0% |
| M 1.8 | | | | | | |
| 5. 97.1% M 2.6 | 5. 97.4% M 2.2 | 5. 99.7% M 2.8 | 5. 96.5% M 2.3 | 5. 96.7% M 2.4 | 5. 99.3% M 1.9 | 99.1% |
| M 1.2 | | | | | | |
| IVI I.Z | | | | | | |

STA 193+15

1. 97.4% M 8.3

2.99.1% M 4.0

| CONTRACTORS QUALITY CONTROL REPORT (QCR) | REPORT NUMBER Page 2 of 4 513 |
|--|-------------------------------|
| DAILY LOG OF CONSTRUCTION | DATE 14 May 2020 - Thursday |
| PROJECT | CONTRACT NUMBER |
| Durham Meadows Waterline Remedial Design | W912WJ19C0002 |

3. 95.9% M 3.9

4. 98.2% M 1.7

5. 96.2% M 2.8

VERBAL INSTRUCTION RECEIVED FROM THE GOVERNMENT

Discussion with USACE Rep Kurt Mintell:

1) Placing extra signs on Pickett Lane after angry driver incident

2) End of day cleanup efforts could improve.

RESULT: Extra signs were placed, the Bobcat broom was used more on Rt 17 and Pickett Lane

WORK PERFORMED TODAY

WORK PERFORMED TODAY

Onsite 7:00 AM; Offsite 3:00 PM

PERSONAL; Project Manager 1 Superintendent 6 Operators 7 Labors 12 Truck Drivers 6

VISITERS:

Steve Wright: DOT JMS: John Sugrue

John E. Ewanowski: Middletown Water

SUBCONTRACTORS ON SITE:

Police Officers = 2 2 Certified Flaggers. John Turner 1

WORK COMPLETED;

Jon's Crew Waterline on Rt 17 South; Quincy's Crew on Pickett Lane; Billy's Crew: New Water Tank Area.

16" DI Restrained Pipe = 207 Feet of TR FLEX at STA 191+29 TO 193+36

16: 1-16x16x12 at STA 191+62

16" 2-16 Inch Butterfly Valves at STA 191+58 AND 191+66

1- 1/12 Inch Gate Valve at STA 191+62

7-1 Inch Corps: STA 191+30, 191+69, 192+27, 192+50, 193+12, 193+15, 193+29.

12" D1 Restrained Pipe = 168 Feet of TR Flex at STA 508+17 TO 509+12, 512+00 TO 512+73

4-1 inch Corps: STA 184+28, STA 184+47, STA 189+75, 190+18.5, 190+52.5, 190+91

2-2/12 Inch Gate Valves at STA 509+12 AND 512+03

Road Gravel= 24.82 CY Bank Run Gravel

Saw Cut= 414 feet in State Road/ 336 feet on Pickett Lane; Total=750 Feet

Water Storage Tank and Access Roadway:

Raised Catch Basin to binder grade: STA 14+00, STA 14+37, STA 13+70, STA 13+00

Excavated and Gravel Driveways #214, #216, and #224 and compacted.

COMPACTION:

State Road 17 South starting at STA 191+15+15 to STA 195+40

Pickett Lane Start at STA 509+20

QA/QC:

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.

PROJECT LAISON COORDINATOR:

Job Narrative:

Prepared for the Weekly Progress Meeting to be held at 10:00 am.

10:00 -10:30 am. Weekly Progress Meeting

Visited all three construction sites.

Worked on the minutes of the Weekly Progress Meeting.

MJC offsite at 3:00 pm.

REPORT NUMBER Page 3 of 4 513 **CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION** DATE 14 May 2020 - Thursday CONTRACT NUMBER **PROJECT** W912WJ19C0002 Durham Meadows Waterline Remedial Design PREP/INITIAL DATES (Preparatory and initial dates held and advance notice) Preparatory Inspections held today No preparatory inspections held today Initial Inspections held today No initial inspections held today **ACTIVITY START/FINISH** Activity No Description No activities were started or finished today **QC REQUIREMENTS** Requirement No Description Results CT-00135 QC Test **Awaiting Results** Chlorine Samples Taken from Talbott Road to Oak Drive: CT-00136 QC Test Awaiting Results Compaction Tests from STA 191+15 to 193+15 ISSUED QA/QC DEFICIENCY (Describe QA and QC Deficiency items issued) Item No Location Description No QC Deficiency items were issued today CORRECTED QA/QC DEFICIENCY (Report QC and QA Deficiency items corrected) Item No Location Description Office Section 01 50 00 Page 10 paragraph 3.11.1 (Resident Engineer Office), Contractor is QA-00005 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. **CONTRACTORS ON SITE** (Report first and/or last day contractors were on site) First Day Last Day No Contractors had their first or last day on the site **LABOR HOURS** Number of Hours **Employer** Labor Classification Worked **Employees** Ludlow Construction Co., Inc. TRUCK DRIVER, GROUP 1 7.0 56.0 96.0 Ludlow Construction Co., Inc. LABORER, GROUP 1 12.0 Ludlow Construction Co., Inc. PROJECT MANAGER 8.0 10 **OPERATOR HEAVY EQUIPMENT 1** 7.0 56.0 Ludlow Construction Co., Inc. SSHO Ludlow Construction Co., Inc. 1.0 8.0 Ludlow Construction Co., Inc. QUALITY CONTROL SYSTEM MGR 1.0 8.0 Vellieux Sawcutting CIRCULAR SAW OPERATOR 1.0 0.0 Total hrs worked to date: 13,614.5 Hrs worked MTD: Total: 30.0 232.0 1,990.0 **EQUIPMENT HOURS** Idle Operating Serial Number Description Hours Hours L-20 Kumatsu Front End Loader L-20 0.0 8.0 TE-6 Excavater 03101 TE-6 Volvo EW170 Rubber Tire Track Hoe, 0.0 20 E-4 0336FCRAB E-4 Cat 336 Track Hoe 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

| | | | | REPORT NUMBER Page 4 of 4 | | | | |
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| CONTRACTORS Q | 513 | ; | Page | 4 01 4 | | | | |
| DAILY L | DATE | | | | | | | |
| | 14 1 | 14 May 2020 - Thursday | | | | | | |
| PROJECT | | CONTR | CONTRACT NUMBER | | | | | |
| Durham Meadows Water | erline Remedial Design | | W9 | 12WJ19C0002 | | | | |
| 07 | T-07 Dump Truck, Vynalel | k | | | | 0.0 | 0.0 | |
| Ludlow | Walk Behind Saw | | | | | 0.0 | 0.0 | |
| E-20 ECR145DL, | E-20 Volvo Excavator E-20 | 0 . | 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 (1 | Гаn bed) | | | | 0.0 | 0.0 | |
| T 9 | Dump Truck T-9 | | | | | 0.0 | 0.0 | |
| T-77 | PU 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 | |
| T-42 | Ludlow Pickup T-42 | Jon | | | | 0.0 | 0.0 | |
| T-86 Work Truck | Pick Up Truck Billy | y | | | | 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 JOI | N | | | | 0.0 | 8.0 | |
| D1 Cat | D-1 Cat D-5 Dozer Bil | | | | | 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 | |
| PU 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 | |
| · | ' | | | | | | 8.0 | |
| | | | | | | | 0.0 | |
| | | D: 0.0 | Onr hre MTD: | 1 820 0 | Total: | | 178.0 | |
| , , | (Describe mishaps) | | | · | | | | |
| G-3 Volvo Grader W-1200 Total operating hrs to date: MISHAP REPORTING | G-3 Road Grader Miing Machine 13,037.5 Idle hrs MTE (Describe mishaps) | D: 0.0 | Opr hrs MTD: | 1,829.0 | Total: | 0.0 | | |
| CONTRACTOR CERTIFICATION On behalf of the contractor, I certify that this Report is complete and correct and all equipment at material used and work performed during this Reporting period are in compliance with the contra | | | | | | | | |
| QC REPRESENTATIVE'S SIGNATI | JRE | DATE | SUPERIN | ITENDENT'S INITIALS | | DATE | | |