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| CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION | | REPORT NUMBER 316 | Page 1 of 4 |
| | | DATE 30 Oct 2019 - Wednesday | |
| PROJECT Durham Meadows Waterline Remedial Design | | CONTRACT NUMBER W912WJ19C0002 | |
| CONTRACTOR Ludlow Construction Co., Inc. | WEATHER Weather Caused No Delay Temperature Min 59 °F Max 66 °F 0.10 IN Precipitation 12 MPH Wind | | |

QC NARRATIVES

JOB SAFETY

SAFETY:
DAY SHIFT:
PPE; Personal Protective Equipment worn by all the crew.
Job site clean up after work performed. Looks Good.
Haul Road;
Haul route was inspected for debris. Road Clean, Looks Good.
Daily Inspections of the Environmental Protection and silt fences. The Protection is Operational and no problems found.
A storm drain in Good Shape.

NIGHT SHIFT: Arrived at 7:00pm. Traffic safety setup by 7:15pm. Production began at 7:30pm.
*SSHO Rob Peddicord:
*Monitored Jonathon Pio's crew production
*Monitored weather; Misty rain early, light rain late
*Monitored Traffic Safety setup: In compliance with Plan 13 of DOT Form 817. NOTE: No police available; certified flaggers used, SSHO previously verified certifications for Dexter Scott and Jennifer Pronovost. Traffic Control stations sufficiently illuminated
*Filed additional safety paperwork: AHAs sign-in/sign-out, Initial Inspection sheet, Daily Vehicle Inspections
*Performed daily checklist inspections on Daily Report; Crew wearing all required PPE, Trench boxes being used, Work zones illuminated, Crew alert of surroundings.
*Inspected haul road and Borrow/Dump Pit: Reminded truck drivers of wet slick roads with deer crossing back roads

WORK PERFORMED TODAY

JERRY BRANDON QC/SSHO. Onsite 6:00 AM ; Offsite 2:30 PM
Weather was overcast and it sprinkled rain most of the day.
PERSONEL;
Superintendent 1
Operators 2
Labors 4
Truck Drivers 2
SUBCONTRACTORS ON SITE:
Police Officer 1
WORK COMPLETED;
16"DI Restrained Pipe=N/A
16" DI Pipe=N/A
Road Gravel=5.62 CY.
Saw Cut=73.6 Feet
Compaction Tests:=N/A
Heat Test Performed= N/A
Ex & Backfill Test Pit= Station 752+00 Restrained Pipe was found=9.16 CY.
Fire Hydrant: Installed at Station 51+44.83
EQUIPMENT:
380 K-20 Cat Front End Loader
336 E-9 Cat Track Hoe
Volvo EW-170 Track Hoe
R-5 Sweeper
R-8 Roller
Dump Trucks
COMPONENTS INSTALLED;
Fire Hydrant: 1 Installed.
UTILITIES ENCOUNTERED;
18 inch Drain pipe.
Curtain Drain. Broke and was repaired.

QA/QC:
QA and QC inspected hi way 17 where equipment was parked.
Silt Fence on 17 was Okay.
Haul Road Inspection; Good
Sediment Control. None found today. Sediment Control is in good shape.

NIGHT SHIFT: Arrived 7:00pm, Departed 4:30am
*Crew Foreman Jonathon Pio; SSHO/QC Rob Peddicord
*CREW: 1-Foreman, 1-Op, 3-Truck drivers, 1-Op/Labor, 4-Labor

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| PROJECT Durham Meadows Waterline Remedial Design | | CONTRACT NUMBER W912WJ19C0002 | | | | | | | | | | | | | |
| <p> *EQUIPMENT: 4-Pickups; T-14, T-50, T-78, T-42 5-Dumps; T-9, T-7, T-36, T-85, Vynalek 07 4-Excavators; Cat 336 E-4, Volvo E170, Volvo E-20, Cat 325 2-Loaders: Cat 950M, Cat 950K L-5 (@ Pit) 1-Bobcat S-5, 1-Broom B-5, 1-Roller RD27 R-15 *SUPPORT/SUBS: 1-JTC tech, 2-Certified Flaggers *PRODUCTION: Installed pipe from Sta 135+58 to 137+72 = 114ft *Sta 136+62: 16" x 16" x 8" MJ Tee *Two 16" MJ BFV; sta 136+58 and 136+66 * One 8" MJ Gate Valve UTILITIES ENCOUNTERED: Sta 137+65; 24" RCP QA/QC: *JTC tech Steve Sturges performed and recorded NDTs as required, Tech also monitored lift thicknesses, elevations, and rock content in soil backfill. Ludlow laborer also monitored lifts and rock content in soil *NOTE: Both the trench material and the Borrow/Dump Pit soil were still too wet for the vibrating plate to move atop. Ludlow continued to use 3" minus stone for middle backfill material, atop the bedding sand and below the Processed Stone. *Ludlow Foreman Jonathon Pio checked pipe elevations and station locations *QC Mgr Rob Peddicord checked asphalt temperatures off the truck and during compaction Project Liaison Coordinator: Job Narrative: MJC onsite at 6:45 am at the Ludlow Material yard at the DOT Property. Middletown Police Officer onsite at 7:00 am. Notified the residents directly at # 8 and # 17 Watch Hill Drive that the crew will begin installing the water main on Watch Hill Drive this afternoon. 12:00 pm -1:00 pm. Went out with Kurt Mintell to # 7 Royal Oak Drive to try to meet with the property owner (Andrew Bellemare) who was not home. Witnessed the damaged area and noted. Will email Andrew back this afternoon and let him know that I am the contact to discuss the issue. 3:00 pm. Andrew Bellemare returned my email. We agreed as a resolution to Have Ludlow buy new Eastern Aphrodite's plantings and replant in the Spring where the existing plantings are damaged. 3:30 pm. MJC offsite. </p> | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> PREP/INITIAL DATES Preparatory Inspections held today No preparatory inspections held today Initial Inspections held today No initial inspections held today </div> <div> (Preparatory and initial dates held and advance notice) </div> </div> | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> ACTIVITY START/FINISH Activity No Description No activities were started or finished today </div> </div> | | | | | | | | | | | | | | | |
| QC REQUIREMENTS <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 15%;">Requirement No</th> <th style="width: 10%;">Type</th> <th style="width: 55%;">Description</th> <th style="width: 20%;">Results</th> </tr> </thead> <tbody> <tr> <td>CT-00056</td> <td>QC Test</td> <td>Rt 17 South, across from Royal Park Drive. Compaction Tests were performed as layers of fill were placed. No failing tests</td> <td>Awaiting Results</td> </tr> <tr> <td>CT-00057</td> <td>QC Test</td> <td>1st layer 280-300% out of truck. 2nd layer 295-315% out of truck</td> <td>Awaiting Results</td> </tr> </tbody> </table> | | | | Requirement No | Type | Description | Results | CT-00056 | QC Test | Rt 17 South, across from Royal Park Drive. Compaction Tests were performed as layers of fill were placed. No failing tests | Awaiting Results | CT-00057 | QC Test | 1st layer 280-300% out of truck. 2nd layer 295-315% out of truck | Awaiting Results |
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| <div style="display: flex; justify-content: space-between;"> <div> ISSUED QA/QC DEFICIENCY Item No Location Description No QC Deficiency items were issued today </div> <div> (Describe QA and QC Deficiency items issued) </div> </div> | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> CORRECTED QA/QC DEFICIENCY Item No Location Description No QC Deficiency items were corrected today </div> <div> (Report QC and QA Deficiency items corrected) </div> </div> | | | | | | | | | | | | | | | |

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| | | DATE 30 Oct 2019 - Wednesday | | |
| PROJECT Durham Meadows Waterline Remedial Design | | CONTRACT NUMBER W912WJ19C0002 | | |
| CONTRACTORS ON SITE (Report first and/or last day contractors were on site) | | | | |
| Name | | First Day | Last Day | |
| No Contractors had their first or last day on the site | | | | |
| LABOR HOURS | | | | |
| Employer | Labor Classification | | Number of Employees | Hours Worked |
| AR Electric | ELECTRICIAN | | 0.0 | 0.0 |
| Ludlow Construction Co., Inc. | TRUCK DRIVER, GROUP 1 | | 5.0 | 46.0 |
| Ludlow Construction Co., Inc. | LABORERS | | 8.0 | 72.0 |
| Ludlow Construction Co., Inc. | SUPER - CONSTRUCTION | | 2.0 | 18.0 |
| Ludlow Construction Co., Inc. | PROGRESS CLERK | | 1.0 | 8.0 |
| Ludlow Construction Co., Inc. | HEAVY-EQUIPMENT OPERATOR | | 4.0 | 36.0 |
| Ludlow Construction Co., Inc. | CIRCULAR SAW OPERATOR | | 0.0 | 0.0 |
| Ludlow Construction Co., Inc. | PROJECT MANAGER | | 1.0 | 2.0 |
| Ludlow Construction Co., Inc. | QC SYST MGR/SSHO | | 2.0 | 17.5 |
| Ludlow Construction Co., Inc. | QUALITY CONTROL SYSTEM MGR | | 0.0 | 0.0 |
| Total hrs worked to date: | 4,424.5 | Hrs worked MTD: | 3,291.5 | Total: 23.0 199.5 |
| EQUIPMENT HOURS | | | | |
| Serial Number | Description | | Idle Hours | Operating Hours |
| WH5449, L-20 | Kumatsu Front End Loader | | 0.0 | 0.0 |
| 03101 | Volvo EW170 Rubber Tire Track Hoe, TE-6 | | 0.0 | 5.0 |
| 531660128 | Bobcat Skidsteer S-5 | | 0.0 | 5.0 |
| 0336FCRAB | Cat 336 Track Hoe E-4 | | 0.0 | 8.0 |
| T-36 | Dump Truck T-36 | | 0.0 | 10.0 |
| T-85 | Dump Truck T-85 | | 0.0 | 18.0 |
| B-5 | Sweeper B-5 | | 0.0 | 3.0 |
| R.8 | Roller, Dynapac R.8 | | 0.0 | 2.0 |
| 007 | Dump Truck, Vynalek 007 | | 0.0 | 10.0 |
| R-15 | Roller R-15 | | 0.0 | 5.0 |
| ECR145DL, E-20 | Volvo Excavator E-20 | | 0.0 | 5.0 |
| L-5 | Cat 950K L-5 | | 0.0 | 5.0 |
| E-19 | Cat 314C Trackhoe E-19 | | 0.0 | 0.0 |
| T-78 | Ludlow Rack Truck T-78 | | 0.0 | 10.0 |
| T-50 | Ludlow Pickup Truck T-50 | | 0.0 | 10.0 |
| T-14 | Ludlow Pickup Truck T-14 | | 0.0 | 10.0 |
| 325 Excavator | Cat 325 Trackhoe, E-8 | | 0.0 | 5.0 |
| Vynalek | Dump Truck, Unmarked (Tan bed) | | 0.0 | 8.0 |
| T 9 | Dump Truck T-9 | | 0.0 | 10.0 |
| T-77 | Dump Truck T-77 | | 0.0 | 0.0 |
| T-27 | Dump Truck T-27 | | 0.0 | 8.0 |
| Cat 950M | Cat 950M Fork Loader | | 0.0 | 16.0 |
| Cat 430E Backhoe | Cat 430E Backhoe | | 0.0 | 0.0 |
| T-60 | Dump Truck T-60 | | 0.0 | 0.0 |
| T-64 | Dump Truck T-64 | | 0.0 | 0.0 |

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| T-42 | | Ludlow Pickup T-42 | | 0.0 | | 10.0 | |
| Dump Truck T-7 | | Dump Truck T-7 | | 0.0 | | 10.0 | |
| Sweeper B-3 | | Sweeper B-3 | | 0.0 | | 2.0 | |
| Total operating hrs to date: | | 3,696.5 | Idle hrs MTD: | 0.0 | Opr hrs MTD: | 3,122.5 | Total: 0.0 175.0 |
| MISHAP REPORTING (Describe mishaps) No mishaps reported today | | | | | | | |
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| 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 |