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| CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION | | REPORT NUMBER 331 | Page 1 of 4 |
| | | DATE 14 Nov 2019 - Thursday | |
| PROJECT Durham Meadows Waterline Remedial Design | | CONTRACT NUMBER W912WJ19C0002 | |
| CONTRACTOR Ludlow Construction Co., Inc. | WEATHER Weather Caused No Delay Temperature Min 21 °F Max 49 °F No Precipitation 16 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 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.

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; Clear, cold
*Monitored Traffic Safety setup: In compliance with Plan 13 of DOT Form 817. Certified Flaggers used; certs verified. Traffic Control stations sufficiently illuminated
*Performed daily checklist inspections on Daily Report; Crew wearing all required PPE, Trench boxes, ladders being used, Work zones illuminated, Crew alert of surroundings. Safety in compliance with EM 385-1-1
*Inspected haul road and Borrow/Dump Pit; silt fence needs attention

WORK PERFORMED TODAY

JERRY BRANDON QC/SSHO. Onsite 6:00 AM ; Offsite 2:30 PM
PERSONEL;
Superintendent 1
Operators 2
Labors 4
Truck Drivers 2
SUBCONTRACTORS ON SITE:
Police Officer 1 = 8 Hours
WORK COMPLETED;
16" DI Pipe= N/A
20 "DI Restrained Pipe= N/A
8" DI Restrained Pipe = at Station 756+48 to 756+46.35= 1.67 Feet of Pipe.
8"x8"x8" TEE at Station 756+48.33=Tapping Sleeve.
8" Gate Valve at Station 756+46.33
Road Gravel=2.15 CY.
Saw Cut=43 Feet. = 13' By 8' Tapping Sleeve.
COMPACTION:
Review methods in sequences of installation with Ludlow Superintendent:
Compaction Lifts were checked and measured by QC.
All Compactions were Good.
Heat Test Performed=354 Degrees off the truck.
Fire Hydrant: N/A
EQUIPMENT: 3-Pickups; T-84, T-77, T-87
4-Dumps; T-9, T-36, T-64, Vynalek JRV Unmarked.
3-Excavators; E-19 Track Hoe, E-9 336 Cat Track Hoe, Volvo EW170 Rubber Tire Track Hoe.
2-Front End Loader, Cat 950K L-5 (@ Pit) , L-20 Komat'su 380 L-20
1-R-3 Sweeper,
1-R-8 Dynapac Roller.

COMPONENTS INSTALLED;
1=8"x8"x8" TEE Tap
1=8" Gate Valve

UTILITIES ENCOUNTERED:
8" Water line at 47+27
QA/QC:
Sediment Control on Talbott Road is in good shape. Silt Fence's all were in good condition and performing Adequately.
Haul Road was checked for Debris. None Found.

NIGHT SHIFT: Arrived 7:00pm, Departed 5:00am
*Crew Foreman Jonathon Pio; SSHO/QC Rob Peddicord

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| CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION | | REPORT NUMBER <div style="text-align: center;">331</div> | Page 2 of 4 |
| | | DATE <div style="text-align: center;">14 Nov 2019 - Thursday</div> | |
| PROJECT Durham Meadows Waterline Remedial Design | | CONTRACT NUMBER W912WJ19C0002 | |
| <p> *CREW: 1-Foreman, 1-Op, 3-Truck drivers, 1-Op/Labor, 4-Labor *EQUIPMENT: 4-Pickups; T-14, T-50, T-78, T-42 5-Dumps; T-7, T-25, T-40, T-60, 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-Police Officers *PRODUCTION: Installed 16" pipe from Sta 151+40 to 153+47 = 207ft; all restrained *16" x 16" x 8" M.J.C.L.D.I Tee at Sta 151+50 *Two 16" MJ BV at Stas 151+46 and 151+54 *WS at Sta 151+70, 152+19, 152+70, 152+94 *Four 1" Corp *UTILITIES ENCOUNTERED: N/A *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. (Ludlow continued using native soil as middle backfill) *Ludlow Foreman Jonathon Pio checked pipe elevations and station locations *QC Mgr Rob Peddicord checked asphalt temperatures off the truck and during compaction </p> <p> PROJECT LAISON COORDINATOR: Job Narrative: MJC onsite at 7:00 am at the Durham Field Office. 8:00-9:00 am. Met with Lisa, KM, Ed and Mr. Barone to go over the clearing limits of the proposed work on the tank access road. Onsite on Main Street in Durham and Talcott Ridge Drive at the intersection of Watch Hill Drive as Middletown Water and Sewer were on site making the 8" Tap for the proposed 8' water main installation on Talcott Ridge Drive headed back towards South Main Street. Went to # 87 Watch Hill Drive to notify them of the planned work tomorrow in front of their residence. Nobody home. Left card in door asking them to call me. 3:00 pm. Saw-cut crew completed work on Main Street in Durham and were offsite. 3:30 pm. MJC offsite. </p> | | | |
| 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 | Type | Description | Results |
| CT-00082 | QC Test | Asphalt was 354 Degrees off the truck. Good results. | Awaiting Results |
| CT-00083 | QC Test | Rt 17 South, Beginning Sta 151+50, Parsons road and in front of Durham Auto. Compaction Tests were performed as layers of fill were placed. No failing tests. | Awaiting Results |
| CT-00084 | QC Test | 1st Truckload at 270-310% out of truck. 2nd Truckload at 275-320% out of truck | Awaiting Results |
| 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 | |
| No QC Deficiency items were corrected today | | | |

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| 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 | | 2.0 | 16.0 |
| Ludlow Construction Co., Inc. | PROJECT MANAGER | | 1.0 | 4.0 |
| Ludlow Construction Co., Inc. | QC SYST MGR/SSHO | | 2.0 | 18.0 |
| Ludlow Construction Co., Inc. | QUALITY CONTROL SYSTEM MGR | | 0.0 | 0.0 |
| Total hrs worked to date: | 6,269.0 | Hrs worked MTD: | 1,756.5 | Total: 25.0 218.0 |
| 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 | 4.0 |
| 531660128 | Bobcat Skidsteer S-5 | | 0.0 | 5.0 |
| 0336FCRAB | Cat 336 Track Hoe E-4 | | 0.0 | 7.0 |
| T-36 | Dump Truck T-36 | | 0.0 | 0.0 |
| T-85 | Dump Truck T-85 | | 0.0 | 0.0 |
| B-5 | Sweeper B-5 | | 0.0 | 3.0 |
| R.8 | Roller, Dynapac R.8 | | 0.0 | 0.0 |
| 007 | Dump Truck, Vynalek 007 | | 0.0 | 0.0 |
| R-15 | Roller R-15 | | 0.0 | 5.0 |
| ECR145DL, E-20 | Volvo Excavator E-20 | | 0.0 | 6.0 |
| L-5 | Cat 950K L-5 | | 0.0 | 5.0 |
| E-19 | Cat 314C Trackhoe E-19 | | 0.0 | 8.0 |
| 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 | 0.0 |
| T 9 | Dump Truck T-9 | | 0.0 | 8.0 |
| T-77 | Dump Truck T-77 | | 0.0 | 0.0 |
| T-27 | Dump Truck T-27 | | 0.0 | 8.0 |
| E-9 | 336 Track Hoe | | 0.0 | 8.0 |
| Cat 950M | Cat 950M Fork Loader | | 0.0 | 5.0 |
| Cat 430E Backhoe | Cat 430E Backhoe | | 0.0 | 0.0 |
| T-60 | Dump Truck T-60 | | 0.0 | 10.0 |

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| T-64 | Dump Truck T-64 | | | | | 0.0 | 0.0 |
| T-42 | Ludlow Pickup T-42 | | | | | 0.0 | 10.0 |
| Dump Truck T-7 | Dump Truck T-7 | | | | | 0.0 | 18.0 |
| Sweeper B-3 | Sweeper B-3 | | | | | 0.0 | 0.0 |
| T-77 Work Truck | Pick Up Truck | | | | | 0.0 | 0.0 |
| T-86 Work Truck | Pick Up Truck | | | | | 0.0 | 0.0 |
| T-25 | Dump Truck T-25 | | | | | 0.0 | 10.0 |
| T-40 | Dump Truck T-40 | | | | | 0.0 | 10.0 |
| Total operating hrs to date: | | 5,497.5 | Idle hrs MTD: | 0.0 | Opr hrs MTD: | 1,741.0 | Total: 0.0 165.0 |
| 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 |