

| | | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------|-------------|
| CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION | | REPORT NUMBER 336 | Page 1 of 4 |
| | | DATE 19 Nov 2019 - Tuesday | |
| PROJECT Durham Meadows Waterline Remedial Design | | CONTRACT NUMBER W912WJ19C0002 | |
| CONTRACTOR Ludlow Construction Co., Inc. | WEATHER Weather Caused No Delay Temperature Min 46 °F Max 52 °F 0.12 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 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, cool
*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 5:30 AM ; Offsite 3:00 PM
PERSONEL;
Superintendent 1
Operators 2
Labors 4
Truck Drivers 2
VISITERS:
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 = Start 602+82.92 Stop 604+34.42 = 151.5 Feet of Pipe
Rock = N/A
Road Gravel= 22.86 CY.
Saw Cut= 303 Feet.
COMPACTION:
Review methods in sequences of installation with Ludlow Superintendent:
Reviewed with QA Kurt, on procedures.
Compaction Lifts were checked and measured by QC.
All Compactions were Good.
Heat Test Performed = 301 Degrees Off Truck, 280 Degrees after spread 176 Degrees after rolled 1st time.
Temp Asphalt looks good. Nice and even.
Good job on placement.
Fire Hydrant: 1=Fire Hydrant Assembly at 604+33.92
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;
Fire Hydrant Assembly.
UTILITIES ENCOUNTERED:
French Drain; Cut and replaced.
Electrical wires direct burial 1' below surface behind fire hydrant. Cut and Repaired.
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.

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------|------------------|
| CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION | | REPORT NUMBER <div style="text-align: center;">336</div> | Page 2 of 4 |
| | | DATE <div style="text-align: center;">19 Nov 2019 - Tuesday</div> | |
| PROJECT <div style="text-align: center;">Durham Meadows Waterline Remedial Design</div> | | CONTRACT NUMBER <div style="text-align: center;">W912WJ19C0002</div> | |
| <p>NIGHT SHIFT: Arrived 7:00pm, Departed 3:30am</p> <p>*Crew Foreman Jonathon Pio; SSHO/QC Rob Peddicord</p> <p>*CREW: 1-Foreman, 1-Op, 3-Truck drivers, 1-Op/Labor, 4-Labor</p> <p>*EQUIPMENT: 4-Pickups; T-14, T-50, T-78, T-42</p> <p style="padding-left: 40px;">5-Dumps; T-27, T-40, T-36, T-85, Vynalek 07</p> <p style="padding-left: 40px;">4-Excavators; Cat 336 E-4, Volvo E170, Volvo E-20, Cat 325</p> <p style="padding-left: 40px;">2-Loaders: Cat 950M, Cat 950K L-5 (@ Pit)</p> <p style="padding-left: 40px;">1-Bobcat S-5, 1-Broom B-5, 1-Roller Champion R-10</p> <p>*SUPPORT/SUBS: 1-JTC tech, 2-Certified Flaggers; certs verified</p> <p>*PRODUCTION: Installed 16" pipe from Sta 155+10 to 157+08 = 198ft Total</p> <p style="padding-left: 40px;">*Restrained: 155+10-155+50=40. Straight: 155+50-157+08=158</p> <p style="padding-left: 40px;">*WS at Stas 155+86, 155+93, and 156+64</p> <p style="padding-left: 40px;">*Three 1" Corp</p> <p>*UTILITIES ENCOUNTERED: 18" RCP; No damage, no undermining</p> <p>*QA/QC: Wet, rocky native material was removed from the trench and trucked out. 3" Minus Stone was then used for middle backfill material, above the sand, below the processed stone</p> <p>*JTC tech Steve Sturges performed and recorded NDTs as required, Tech also monitored lift thicknesses and elevations. Ludlow laborers also monitored lifts and pipe depths</p> <p>*Ludlow Foreman Jonathon Pio checked pipe elevations and station locations</p> <p>*QC Mgr Rob Peddicord checked asphalt temperatures off the truck and during compaction</p> <p>PROJECT LAISON COORDINATOR:</p> <p>Job Narrative:</p> <p>MJC onsite at Durham field Office at 6:45 am.</p> <p>Called the Light Tower Rental agency and informed then we would be done with the Tower on Friday, November 22, 2019. They will schedule pick-up either Friday of this week or Monday of next week.</p> <p>Measure the saw-cut that was done on Friday, November 15, 2019 on Main Street in Durham. Cut from station # 155+32 to Station # 161+60 for a total of 628 LFT.</p> <p>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-00089 | QC Test | 1st Truckload at 290-325% out of truck. | Awaiting Results |
| | | 2nd Truckload at 270-300% out of truck | |
| CT-00091 | QC Test | 1st Truckload at 290-325% out of truck. | Awaiting Results |
| | | 2nd Truckload at 270-300% out of truck | |
| CT-00092 | QC Test | 301 Degrees off the 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 | | | |

| | | | | |
|-------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------|---------------------|-------------------|
| CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION | | REPORT NUMBER 336 | Page 3 of 4 | |
| | | DATE 19 Nov 2019 - Tuesday | | |
| 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 | 42.0 |
| Ludlow Construction Co., Inc. | LABORERS | | 8.0 | 66.0 |
| Ludlow Construction Co., Inc. | SUPER - CONSTRUCTION | | 2.0 | 16.5 |
| Ludlow Construction Co., Inc. | PROGRESS CLERK | | 1.0 | 8.0 |
| Ludlow Construction Co., Inc. | HEAVY-EQUIPMENT OPERATOR | | 4.0 | 33.0 |
| Ludlow Construction Co., Inc. | CIRCULAR SAW OPERATOR | | 0.0 | 0.0 |
| Ludlow Construction Co., Inc. | PROJECT MANAGER | | 1.0 | 4.0 |
| Ludlow Construction Co., Inc. | QC SYST MGR/SSHO | | 2.0 | 16.5 |
| Ludlow Construction Co., Inc. | QUALITY CONTROL SYSTEM MGR | | 0.0 | 0.0 |
| Total hrs worked to date: | 6,726.0 | Hrs worked MTD: | 2,213.5 | Total: 23.0 186.0 |
| EQUIPMENT HOURS | | | | |
| Serial Number | Description | | Idle Hours | Operating Hours |
| WH5449, L-20 | Kumatsu Front End Loader Billy | | 0.0 | 8.0 |
| 03101 | Volvo EW170 Rubber Tire Track Hoe, TE-6 | | 0.0 | 3.0 |
| 531660128 | Bobcat Skidsteer S-5 | | 0.0 | 4.0 |
| 0336FCRAB | Cat 336 Track Hoe E-4 | | 0.0 | 6.0 |
| T-36 | Dump Truck T-36 | | 0.0 | 8.5 |
| T-85 | Dump Truck T-85 | | 0.0 | 8.5 |
| B-5 | Sweeper B-5 | | 0.0 | 4.0 |
| R.8 | Roller, Dynapac R.8 | | 0.0 | 2.0 |
| T-25 | Dump Truck T-25 | | 0.0 | 8.0 |
| 007 | Dump Truck, Vynalek 007 | | 0.0 | 8.5 |
| R-15 | Roller R-15 | | 0.0 | 5.0 |
| ECR145DL, E-20 | Volvo Excavator E-20 | | 0.0 | 7.0 |
| L-5 | Cat 950K L-5 Pit | | 0.0 | 4.0 |
| E-19 | Cat 314C Trackhoe E-19 | | 0.0 | 8.0 |
| T-78 | Ludlow Rack Truck T-78 | | 0.0 | 8.5 |
| T-50 | Ludlow Pickup Truck T-50 | | 0.0 | 8.5 |
| T-14 | Ludlow Pickup Truck T-14 | | 0.0 | 8.5 |
| 325 Excavator | Cat 325 Trackhoe, E-8 | | 0.0 | 4.0 |
| Vynalek | Dump Truck, Unmarked (Tan bed) | | 0.0 | 8.0 |
| T 9 | Dump Truck T-9 | | 0.0 | 8.0 |
| T-77 | Dump Truck T-77 OFF Site | | 0.0 | 0.0 |
| T-27 | Dump Truck T-27 | | 0.0 | 8.5 |
| E-9 | 336 Track Hoe | | 0.0 | 8.0 |
| Cat 950M | Cat 950M Fork Loader | | 0.0 | 4.0 |
| Cat 430E Backhoe | Cat 430E Backhoe | | 0.0 | 0.0 |

| | | | | | | | |
|-------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|---------------------------|-------------|------------------|
| CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION | | | | REPORT NUMBER | | Page 4 of 4 | |
| | | | | 336 | | | |
| | | | | DATE | | | |
| | | | | 19 Nov 2019 - Tuesday | | | |
| PROJECT | | | | CONTRACT NUMBER | | | |
| Durham Meadows Waterline Remedial Design | | | | W912WJ19C0002 | | | |
| T-60 | Dump Truck T-60 | | | | 0.0 | | 0.0 |
| T-64 | Dump Truck T-64 | | | | 0.0 | | 0.0 |
| T-42 | Ludlow Pickup T-42 | | | | 0.0 | | 8.5 |
| Dump Truck T-7 | Dump Truck T-7 | | | | 0.0 | | 0.0 |
| Sweeper B-3 | Sweeper B-3 | | | | 0.0 | | 2.0 |
| T-77 Work Truck | Pick Up Truck | | | | 0.0 | | 8.0 |
| T-86 Work Truck | Pick Up Truck | | | | 0.0 | | 8.0 |
| T-40 | Dump Truck T-40 | | | | 0.0 | | 8.5 |
| R-10 | Roller, Champion R-10 | | | | 0.0 | | 3.0 |
| Total operating hrs to date: | | 5,897.0 | Idle hrs MTD: | 0.0 | Opr hrs MTD: | 2,140.5 | Total: 0.0 188.5 |
| MISHAP REPORTING (Describe mishaps) No mishaps reported today | | | | | | | |
| <div style="border: 1px solid black; height: 400px; width: 100%;"></div> | | | | | | | |
| 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 |