

CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION		REPORT NUMBER 496	Page 1 of 5
		DATE 27 Apr 2020 - Monday	
PROJECT Durham Meadows Waterline Remedial Design		CONTRACT NUMBER W912WJ19C0002	
CONTRACTOR Ludlow Construction Co., Inc.	WEATHER Weather Caused No Delay Temperature Min 37 °F Max 45 °F 0.33 IN Precipitation 15 MPH Wind		

QC NARRATIVES

JOB SAFETY

SAFETY:
 Crews arrived at 7:00am, Departed at 3:30pm
 *SSHO Rob Peddicord:
 *Monitored 2 crews production activities: Jonathon Pio and Billy DaCruz, foremen
 *Jonathon Pio's crew working at Rt 17 SB, intersection of 147. Installed pipe from 167+13 to 169+35
 *Monitored Traffic Safety setup: In compliance with Plan 13 of DOT Form 817. Two State Police doing traffic control
 *2-Operators, 2-Truck drivers, 5-laborers

*Billy DaCruz crew continued installing pipe at the back end of the cul-de-sac of Talcott Ridge; in the driveway, working in the water tank area. Installed corrugated pipe into Catch Basin at sta 14+40. Also relocated WS at sta 15+25. See QC narrative for specific data.
 *2-Operators, 2-Truck drivers (1-sub), 3-Laborers

NOTE: SSHO notified at 9:00am of a confined space concern by USACE rep Kurt Mintell. The SSHO proceeded to the Water Tank Area to investigate. Crewman stood in the top of the CB to kick out concrete core being cut out for corrugated pipe. Technically required confined space precautions. (See Safety Inspections for further details)

*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, Trench boxes, ladders being used, Crews alert of surroundings. Safety in compliance with EM 385-1-1. COVID-19 precautions being followed. (SEE Attached Ludlow SSHO Daily PDF Report)

*Office work: The SSHO continued collecting and filing crew paperwork for AHAs, Initial Inspections, and Daily Equipment Inspections

*See Attached Safety PDFs for Daily Inspection, Weekly Inspection, Deficiency Checklist, Proficiency Checklist, Weekly Safety Meeting, and Lift Plans

SAFETY INSPECTION (Report violations, corrective instruction/action taken):

Upon being notified of a confined space concern by USACE Rep Kurt Mintell, the SSHO proceeded to the Water Tank Area to investigate. The SSHO documented the following after talking to Ludlow Foreman Billy DaCruz:
 *The Catch Basin involved was at sta 14+40 of the road to the water tank. The Grate opening on top was approximately 3ft x 2ft. The total depth of the CB was 8ft.
 *At the time of the infraction, Crew-2 was laying an 8" corrugated plastic pipe to connect to the catch basin. An approximate 10" hole was cut into the wall of the CB, to allow connection. As the hole was being completed, a laborer entered the top of the CB, and stood atop the concrete pipe that was only 4ft down, to prevent the concrete core from falling into the CB.
 *Upon being informed of the above, the SSHO reminded Mr DaCruz that had the laborer fallen into the CB, that rescue was made much more difficult in not having a harness and tripod setup. Mr DaCruz stated he didnt think those precautions were necessary in only entering the top 4ft of the CB, but said he will take those precautions from now on, regardless of the depth of entry. The SSHO documented the facts, took photos, and will follow up with a reminder class on Confined Spaces tomorrow morning. The situation was also discussed with foreman Jonathon Pio and Supervisor Mike Pio. See attached SSHO Daily PDF for photos

VERBAL INSTRUCTION RECEIVED FROM THE GOVERNMENT

*USACE Rep Kurt Mintell contacted the SSHO about a Ludlow loader carrying long segments of pipe while travelling from the laydown yard to the work area on SB Rt-17, without the escort of a pickup truck in front. The SSHO immediately relayed the concern to Ludlow Foreman Jonathon Pio

WORK PERFORMED TODAY

WORK PERFORMED TODAY
 Onsite 7:00 AM ; Offsite 3:30 PM
 PERSONAL;
 Project Manager 1
 Superintendent 5

CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION	REPORT NUMBER 496	Page 2 of 5
	DATE 27 Apr 2020 - Monday	
PROJECT Durham Meadows Waterline Remedial Design	CONTRACT NUMBER W912WJ19C0002	
<p> Operators 5 Labors 7 Truck Drivers 4 VISITERS: Steve Wright, Dale E SUBCONTRACTORS ON SITE: Turner Consultants = 1 Police Officers = 2 WORK COMPLETED; Jon's Crew continued installing 16" pipe on Rt 17. Billie's crew continued with Drain service at House # 224. PAY ITEMS: 16" DI Restrained Pipe = 122 Feet of TR FLEX at STA 167+13 to 168+35 16" DI Pipe = 100 Feet of DI Pipe at STA 168+35 to 169+35 4- 1" Water Service = 1st at STA 167+72, 2nd at STA 168+2.5, 3rd at STA 168+81, and 4th at STA 169+22.5 1 - 1" Water Service at House # 224 = Relocated to STA 15+25 1 - 1" Water Service Curb Stops at House # 224 1 - 1" Water Service 1" Copper Pipe at House # 224 = 33 Feet of Copper Pipe. 8" ADS Drain pipe = 55 Feet of ADS was replaced from House 224 Driveway to Catch Basin at STA 14+40. Rip Rap was placed at flared end of drains. The existing 12 inch covert was removed at STA 15+00 Road Gravel= 31.49 CY Bank Run Gravel Saw Cut= 444 feet in State Road COMPACTION: The compaction tests took place over the distance from Station number 167+05 to 169+05, 200 ft total working distance. Following the specs I took 5 test per 25 feet (1 test per each lift of "bank run" (3.5" or On site totaling 3 tests, and 1 per each lift of "process" (1.5") totaling 2 tests, again per 25 linear feet. Totaling 40 test over 200 feet. Below are the percentages for the final dry density and moisture results in order of first lift to final. They are separated by 25 foot sections. These will be in the final report and will have the comprehensive information. 1. 96.4 - 8.9 167+05 to 167+30 2. 97.9 - 3.9 3. 95.5 - 3.2 4. 98.4 - 3.7 5. 97.5 - 3.3 1. 96.5 - 7.0 167+30 to 167+55 2. 96.6 - 4.1 3. 98.1 - 4.4 4. 97.3 - 4.3 5. 97 - 3.4 1. 95.7 - 7.9 167+55 to 167+80 2. 96.2 - 6.5 3. 96.5 - 2.8 4. 98.4 - 3.3 5. 96.5 - 2.9 1. 97.3 - 7.7 167+80 to 168+05 2. 96.0 - 4.6 3. 97.6 - 3.6 4. 98.8 - 3.0 5. 99.0 - 2.7 1. 97.6 - 5.1 168+05 to 168+30 2. 95.7 - 7.9 3. 96.5 - 4.7 4. 98.4 - 3.4 5. 99.9 - 3.9 1. 95.7 - 3.6 168+30 to 168+55 2. 96.4 - 2.9 3. 97.3 - 3.3 4. 97.9 - 3.4 5. 98.6 - 3.3 1. 97.0 - 3.7 168+55 to 185+80 2. 95.8 - 3.8 3. 95.5 - 3.5 4. 95.2 - 4.4 5. 100.0 - 3.7 1. 98.6 - 3.8 168+80 to 169+5 2. 96.6 - 3.5 3. 95.4 - 3.6 4. 97.7 - 3.0 5. 96.0 - 3.1 EQUIPMENT: 7-Pickups; T-77, T-84, T-65, T-14, T-78, T-50. T-45 </p>		

CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION		REPORT NUMBER <div style="text-align: center;">496</div>	Page 3 of 5												
		DATE <div style="text-align: center;">27 Apr 2020 - Monday</div>													
PROJECT Durham Meadows Waterline Remedial Design		CONTRACT NUMBER <div style="text-align: center;">W912WJ19C0002</div>													
<p>10-Dumps; T-25, T-36, T-64, T-86, T-64, T-25, T-36, T-84, V-07, T-21 5-Excavators; E-19 Track Hoe, E-9 336 Cat Track Hoe, TE 15 Volvo EW170 Rubber Tire Track Hoe Volvo E-20, Volvo TE-6 4-Front End Loader, Cat 950K L-5 (@ Pit), , L-20 Komat'su 380 L-20, Cat 950M L-18, 1-Bull Dozer 3-R-4 Volvo Roller. Volvo R-18, R-17 2-Broom B-5, B-4 UTILITIES ENCOUNTERED: QA/QC: Sediment Control is in good shape. SWPP inspection was completed by Quality Control Manager and the Health Site and Safety Officer. It is attached in this report. QC/QA discussed the compaction layers and materials used in Excavation and Backfill when installing the new water lines.</p> <p>PROJECT LAISON COORDINATOR: Job Narrative: Discussed with Billy from Ludlow about Bill Gregorio's email concerning with the grade of the new catch basins installed and his concerns with his corvettes bottoming out when the final pavement is done. Billy told me the basins are at finished grade per the plans at this time. Once road is graded, we will review the issue and make adjustments at that time. I will relay this information with Bill Gregorio. Sent an email to Bill Gregorio explaining that we will revisit this issue one we grade the road and copied Ed Hathaway and Mike Pio. Worked on minutes of Thursday's Weekly Progress Meeting. Offsite at 3:30 pm.</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															
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; width: 15%;">Activity No</th> <th style="text-align: left; width: 85%;">Description</th> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; height: 20px;"></td> </tr> </table>				Activity No	Description										
Activity No	Description														
No activities were started or finished today															
QC REQUIREMENTS															
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; width: 15%;">Requirement No</th> <th style="text-align: left; width: 10%;">Type</th> <th style="text-align: left; width: 55%;">Description</th> <th style="text-align: left; width: 20%;">Results</th> </tr> <tr> <td>CT-00113</td> <td>QC Test</td> <td>The compaction tests took place over the distance from Station number 167+05 to 169+05, 200 ft total working distance. Following the specs I took 5 test per 25 feet (1 test per each lift of "bank run" (3.5" or On site totaling 3 tests, and 1 per each lift of "process" (1.5") totaling 2 tests, again per 25 linear feet. Totaling 40 test over 200 feet.</td> <td>Awaiting Results</td> </tr> <tr> <td>CT-00114</td> <td>QC Test</td> <td>The compaction tests took place over the distance from Station number 167+05 to 169+05, 200 ft total working distance. Following the specs I took 5 test per 25 feet (1 test per each lift of "bank run" (3.5" or On site totaling 3 tests, and 1 per each lift of "process" (1.5") totaling 2 tests, again per 25 linear feet. Totaling 40 test over 200 feet.</td> <td>Awaiting Results</td> </tr> </table>				Requirement No	Type	Description	Results	CT-00113	QC Test	The compaction tests took place over the distance from Station number 167+05 to 169+05, 200 ft total working distance. Following the specs I took 5 test per 25 feet (1 test per each lift of "bank run" (3.5" or On site totaling 3 tests, and 1 per each lift of "process" (1.5") totaling 2 tests, again per 25 linear feet. Totaling 40 test over 200 feet.	Awaiting Results	CT-00114	QC Test	The compaction tests took place over the distance from Station number 167+05 to 169+05, 200 ft total working distance. Following the specs I took 5 test per 25 feet (1 test per each lift of "bank run" (3.5" or On site totaling 3 tests, and 1 per each lift of "process" (1.5") totaling 2 tests, again per 25 linear feet. Totaling 40 test over 200 feet.	Awaiting Results
Requirement No	Type	Description	Results												
CT-00113	QC Test	The compaction tests took place over the distance from Station number 167+05 to 169+05, 200 ft total working distance. Following the specs I took 5 test per 25 feet (1 test per each lift of "bank run" (3.5" or On site totaling 3 tests, and 1 per each lift of "process" (1.5") totaling 2 tests, again per 25 linear feet. Totaling 40 test over 200 feet.	Awaiting Results												
CT-00114	QC Test	The compaction tests took place over the distance from Station number 167+05 to 169+05, 200 ft total working distance. Following the specs I took 5 test per 25 feet (1 test per each lift of "bank run" (3.5" or On site totaling 3 tests, and 1 per each lift of "process" (1.5") totaling 2 tests, again per 25 linear feet. Totaling 40 test over 200 feet.	Awaiting Results												
ISSUED QA/QC DEFICIENCY (Describe QA and QC Deficiency items issued)															
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; width: 15%;">Item No</th> <th style="text-align: left; width: 15%;">Location</th> <th style="text-align: left; width: 70%;">Description</th> </tr> <tr> <td>QA-00003</td> <td>Tank site</td> <td>Observed a Ludlow employee working at the tank access road enter a catch basin which is a confined space. I told the foreman Billy to get the employee out. A few minutes later I witnessed the employee back in the catch basin. I then directed the employee out of the hole myself. UASCE Kurt then called the SSHO Rob to inform him of what had happened and told Rob to go over confined space with the crew. Both times the employee entered the catch basin it was witnessed by USACE Bob and Kurt that the employee's body was fully in the catch basin.</td> </tr> </table>				Item No	Location	Description	QA-00003	Tank site	Observed a Ludlow employee working at the tank access road enter a catch basin which is a confined space. I told the foreman Billy to get the employee out. A few minutes later I witnessed the employee back in the catch basin. I then directed the employee out of the hole myself. UASCE Kurt then called the SSHO Rob to inform him of what had happened and told Rob to go over confined space with the crew. Both times the employee entered the catch basin it was witnessed by USACE Bob and Kurt that the employee's body was fully in the catch basin.						
Item No	Location	Description													
QA-00003	Tank site	Observed a Ludlow employee working at the tank access road enter a catch basin which is a confined space. I told the foreman Billy to get the employee out. A few minutes later I witnessed the employee back in the catch basin. I then directed the employee out of the hole myself. UASCE Kurt then called the SSHO Rob to inform him of what had happened and told Rob to go over confined space with the crew. Both times the employee entered the catch basin it was witnessed by USACE Bob and Kurt that the employee's body was fully in the catch basin.													
CORRECTED QA/QC DEFICIENCY (Report QC and QA Deficiency items corrected)															
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; width: 15%;">Item No</th> <th style="text-align: left; width: 15%;">Location</th> <th style="text-align: left; width: 70%;">Description</th> </tr> <tr> <td>QA-00003</td> <td>Tank site</td> <td>Observed a Ludlow employee working at the tank access road enter a catch basin which is a confined space. I told the foreman Billy to get the employee out. A few minutes later I witnessed the employee back in the catch basin. I then directed the employee out of the hole myself. UASCE Kurt then called the SSHO Rob to inform him of what had happened and told Rob to go over confined space with the crew. Both times the employee entered the catch basin it was witnessed by USACE Bob and Kurt that the employee's body was fully in the catch basin.</td> </tr> </table>				Item No	Location	Description	QA-00003	Tank site	Observed a Ludlow employee working at the tank access road enter a catch basin which is a confined space. I told the foreman Billy to get the employee out. A few minutes later I witnessed the employee back in the catch basin. I then directed the employee out of the hole myself. UASCE Kurt then called the SSHO Rob to inform him of what had happened and told Rob to go over confined space with the crew. Both times the employee entered the catch basin it was witnessed by USACE Bob and Kurt that the employee's body was fully in the catch basin.						
Item No	Location	Description													
QA-00003	Tank site	Observed a Ludlow employee working at the tank access road enter a catch basin which is a confined space. I told the foreman Billy to get the employee out. A few minutes later I witnessed the employee back in the catch basin. I then directed the employee out of the hole myself. UASCE Kurt then called the SSHO Rob to inform him of what had happened and told Rob to go over confined space with the crew. Both times the employee entered the catch basin it was witnessed by USACE Bob and Kurt that the employee's body was fully in the catch basin.													

CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION		REPORT NUMBER 496	Page 4 of 5
		DATE 27 Apr 2020 - Monday	
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
Ludlow Construction Co., Inc.	TRUCK DRIVER, GROUP 1	3.0	24.0
Ludlow Construction Co., Inc.	LABORER, GROUP 1	6.0	48.0
Ludlow Construction Co., Inc.	PROJECT MANAGER	1.0	8.0
Ludlow Construction Co., Inc.	OPERATOR HEAVY EQUIPMENT 1	3.0	16.0
Ludlow Construction Co., Inc.	SSHO	1.0	8.0
Ludlow Construction Co., Inc.	QUALITY CONTROL SYSTEM MGR	1.0	8.0
Total hrs worked to date:	11,120.5	Hrs worked MTD: 2,334.0	Total: 15.0 112.0
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	8.0
531660128	Bobcat Skidsteer S-2	0.0	3.0
0336FCRAB	Cat 336 Track Hoe E-4	0.0	8.0
T-36	Dump Truck T-36	0.0	8.0
B-5	Sweeper B-4	0.0	0.0
T-25	Dump Truck T-25	0.0	8.0
007	Dump Truck, Vynalek 007	0.0	8.0
ECR145DL, E-20	Volvo Excavator E-20	0.0	8.0
L-5	Cat 950K L-5 Pit	0.0	8.0
E-19	Cat 314C Trackhoe E-19	0.0	8.0
T-41	Ludlow Pressure Test Truck T-41	0.0	8.0
T-50	Ludlow Pickup Truck T-50	0.0	8.0
T-14	Ludlow Pickup Truck T-14	0.0	8.0
TE-6	Track Hoe (Already listed at 0002) Same as item 2	0.0	8.0
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	8.0
T-64	Dump Truck T-64	0.0	8.0
T-77 Work Truck	Pick Up Truck Billys	0.0	8.0
T-65	Ludlow Pickup Truck T-65	0.0	8.0
B-5 Sweeper	Sweeper Billys Crew	0.0	2.0
R-4 Roller Jons	Roller Compacter Billies	0.0	2.0
TE 15 Excavator	Track Hoe	0.0	8.0
T-84 Pick Up	Work Truck	0.0	8.0
T-78 PU Truck	PU Truck	0.0	8.0
950 M L-18	Loader Jon	0.0	8.0
R-15 Roller	Compactor JON	0.0	8.0
D5 Cat	D-1	0.0	2.0

CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION				REPORT NUMBER 496		Page 5 of 5	
				DATE 27 Apr 2020 - Monday			
PROJECT Durham Meadows Waterline Remedial Design				CONTRACT NUMBER W912WJ19C0002			
T-86 Dump		Dump				0.0	0.0
T-21 Dump Billy		Dump Truck T-21 Billy				0.0	8.0
P U L45		PU L- 45 Billy				0.0	0.0
R-17 Roller		Roller Billy				0.0	1.0
T-86 Work Truck		Pick Up Truck Billy				0.0	8.0
Total operating hrs to date:		10,671.5	Idle hrs MTD:	0.0	Opr hrs MTD:	3,081.0	Total: 0.0 218.0
MISHAP REPORTING (Describe mishaps) No mishaps reported today							
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