

CONTRACTORS QUALITY CONTROL REPORT (QCR) DAILY LOG OF CONSTRUCTION		REPORT NUMBER 497	Page 1 of 5
		DATE 28 Apr 2020 - Tuesday	
PROJECT Durham Meadows Waterline Remedial Design		CONTRACT NUMBER W912WJ19C0002	
CONTRACTOR Ludlow Construction Co., Inc.	WEATHER Weather Caused No Delay Temperature Min 44 °F Max 63 °F 0.07 IN Precipitation 8 MPH Wind		

QC NARRATIVES

JOB SAFETY

SAFETY:
 Crews arrived at 7:00am, Departed at 3:00pm
 *SSHO Rob Peddicord:
 *Extra Safety Meeting at 7:00 AM: Topic: Confined Spaces.
 *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 169+35 to 172+40
 *Monitored Traffic Safety setup: In compliance with Plan 13 of DOT Form 817. Two State Police doing traffic control
 *2-Operators, 3-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 RCP from 13+00 to 14+37; CBs at 13+70 and 13+00. See QC narrative for specific data.
 *2-Operators, 2-Truck drivers (1-sub), 3-Laborers

*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, with attached photos)

*Office work: The SSHO continued collecting and filing crew paperwork for Lift Plans, AHAs, Initial Inspections, Confined Spaces, and Daily Equipment Inspections (See PDFs attached to RMS Report)

NOTE: Extra Weekly Safety Meeting over Confined Spaces. (See Safety Inspections)

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

REVIEW FROM 4-27-2020:
 (The SSHO was notified of a confined space concern by USACE Rep Kurt Mintell, the SSHO proceeded to the Water Tank Area to investigate, and 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, and took photos.)

UPDATE TODAY: An extra Weekly Safety Toolbox Meeting was held before work began this morning. Confined Space specifications were reviewed to the crew by the SSHO, foreman Jonathon Pio, and foreman Billy DaCruz. Additional comments were made by USACE reps Kurt Mintell and Bob Christie. (See attached PDFs of the meeting material and the crew sign-in sheet)
 ALSO: A Confined Space hazard was added to AHA for Earth Excavation, Backfill, Fill and Grading (PDF of AHA attached to RMS)

WORK PERFORMED TODAY

WORK PERFORMED TODAY
 Onsite 7:00 AM ; Offsite 3:00 PM
 PERSONAL;
 Project Manager 1
 Superintendent 5
 Operators 5
 Labors 8
 Truck Drivers 5
 VISITERS: Steve Wright
 SUBCONTRACTORS ON SITE:
 Turner Consultants = 1

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Police Officers = 2
WORK COMPLETED;
Pressure Testing = (4/28/20. We tested from STA 100+00 to STA 109+37. and STA 109+37 to 124+71.) Jon E with Water Dept witnessed. 150 pound PSI: Test passed.
Jon's Crew continued installing 16" pipe on Rt 17.
Billie's crew continued with Drain service.
PAY ITEMS:
16" DI Restrained Pipe = 80 Feet of TR FLEX at STA 171+60 to 172+40
16" DI Pipe = 225 Feet of DI Pipe at STA 169+35 to 171+60
2- 1" Water Service Corps = 1st at STA 170+24 and STA 171+10.5
15" RCP = 55.4 Feet from Catch Basin at STA 14+37 to the right to Catch Basin at STA 13+70.
12" RCP = 66.5 Feet from Catch Basin at STA 13+70 to the right to Catch Basin at STA 13+00.
Catch Basin installed at STA 13+70.
Catch Basin installed at STA 13+00
Road Gravel= 86.52 CY Bank Run Gravel
Saw Cut= 610 feet in State Road
COMPACTION:
The compaction tests took place over the distance from Station number 169+20 to 172+40 (320 ft), 300 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 60 test over 300 feet. The variance in the testing distance accounts for the re-disturbed soils for the continuation both in the previous and following days.
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. This data is not in finalized or in final format.

1. 95.2 - 3.3	169+20
2. 95.6 - 4.2	
3. 100.1 - 2.9	
4. 97.9 - 3	
5. 98.5 - 3.3	
1. 96.9 - 5.1	169+45
2. 97.6 - 3.6	
3. 96.1 - 2.6	
4. 97 - 2.8	
5. 96.8 - 2.5	
1. 96.1 - 4.0	169+70
2. 95.1 - 3.4	
3. 97.3 - 3	
4. 97.8 - 2.7	
5. 97.6 - 2.4	
1. 96.0 - 2.9	169+95
2. 97.1 - 2.9	
3. 98.2 - 4.9	
4. 98.1 - 3.3	
5. 97.9 - 2.4	
1. 95 - 4.1	170+20
2. 96.8 - 2.7	
3. 95.6 - 5.1	
4. 97-3	
5. 97.1 - 2.8	
1. 97.4 - 3.8	170+45
2. 96.7 - 3.3	
3. 98.3 - 4.9	
4. 97.3 - 3.3	
5. 98.9 - 3	
1. 97.9 - 4.2	170+70
2. 99 - 4.3	
3. 99.1 -5.4	
4. 98.6 - 4.9	
5. 98.4 - 2.7	
1. 95 - 4.7	170+95
2. 95.8 - 4.4	
3. 95.5 - 4.3	
4. 98 - 2.2	
5. 95.7 - 1.8	
1. 97.9 - 5.6	171+20
2. 97 - 4.8	
3. 96.7 - 4.4	
4. 98.4 - 3	
5. 98.3 - 3.8	
1. 98.4 - 3.5	171+45
2. 98.1 - 3.5	

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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>3. 98.3 - 3.9</p> <p>4. 97.5 - 3.6</p> <p>5. 98.1 - 3.7</p> <p>1. 94.9 - 3.7 171+70</p> <p>2. 96 - 4.1</p> <p>3. 97.1 - 2.9</p> <p>4. 96.3 - 2.8</p> <p>5. 95.1 - 3.6</p> <p>1. 95.2 - 3.3 171+95 to 172+20 (30)</p> <p>2. 96.9 - 3.8</p> <p>3. 98.5 - 3.8</p> <p>4. 99.1 - 3.4</p> <p>5. 98.7 - 3.6</p> </div> <div style="width: 50%;"> <p>EQUIPMENT:</p> <p>7-Pickups; T-77, T-84, T-65, T-14, T-78, T-50, T-45</p> <p>10-Dumps; T-25, T-36, T-64, T-86, T-64, T-25, T-36, T-84, V-07, T-21</p> <p>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</p> <p>4-Front End Loader, Cat 950K L-5 (@ Pit), , L-20 Komat'su 380 L-20, Cat 950M L-18,</p> <p>1-Bull Dozer</p> <p>3-R-4 Volvo Roller. Volvo R-18, R-17</p> <p>2-Broom B-5, B-4</p> <p>UTILITIES ENCOUNTERED:</p> <p>QA/QC:</p> <p>Sediment Control is in good shape.</p> <p>SWPP inspection was completed by Quality Control Manager and the Health Site and Safety Officer. It is attached in this report.</p> <p>QC/QA discussed the compaction layers and materials used in Excavation and Backfill when installing the new water lines.</p> <p>PROJECT LAISON COORDINATOR:</p> <p>Job Narrative:</p> <p>MJC onsite at 7:00 am. Completed the Minutes of the Weekly Progress Meeting held last Thursday, April 23, 2020 and sent out to the email to the team.</p> <p>Mailed notification letter to the residents on Main Street in Durham between Talcott Avenue and Wallingford Road (Rte. 68) about the projected schedule and copied Lisa Belisle, Kurt Mintell, Steve Dunbar, Ed Hathaway, Mike Pio and Jonathan Pio.</p> <p>Started working on the Agenda for Thursday's Weekly Progress Meeting.</p> <p>Visited both construction sites in Middletown and Durham.</p> <p>MJC offsite at 3:30 pm.</p> </div> </div>															
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>PREP/INITIAL DATES</p> <p>Preparatory Inspections held today</p> <p>No preparatory inspections held today</p> <p>Initial Inspections held today</p> <p>No initial inspections held today</p> </div> <div style="width: 50%;"> <p>(Preparatory and initial dates held and advance notice)</p> </div> </div>															
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>ACTIVITY START/FINISH</p> <p>Activity No Description</p> <p>No activities were started or finished today</p> </div> <div style="width: 50%;"></div> </div>															
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>QC REQUIREMENTS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Requirement No</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Description</th> <th style="text-align: left;">Results</th> </tr> </thead> <tbody> <tr> <td>CT-00115</td> <td>QC Test</td> <td>4/28/20. We tested from 100+00 to 109+37 and 109+37 to 124+71. Please put this in the RMS daily report</td> <td>Awaiting Results</td> </tr> <tr> <td>CT-00116</td> <td>QC Test</td> <td>The compaction tests took place over the distance from Station number 169+20 to 172+40 (320 ft), 300 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 60 test over 300 feet. The variance in the testing distance accounts for the re-disturbed soils for the continuation both in the previous and following days.</td> <td>Awaiting Results</td> </tr> </tbody> </table> </div> <div style="width: 50%;"></div> </div>				Requirement No	Type	Description	Results	CT-00115	QC Test	4/28/20. We tested from 100+00 to 109+37 and 109+37 to 124+71. Please put this in the RMS daily report	Awaiting Results	CT-00116	QC Test	The compaction tests took place over the distance from Station number 169+20 to 172+40 (320 ft), 300 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 60 test over 300 feet. The variance in the testing distance accounts for the re-disturbed soils for the continuation both in the previous and following days.	Awaiting Results
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CORRECTED QA/QC DEFICIENCY (Report QC and QA Deficiency items corrected)			
Item No	Location	Description	
QA-00004	Tank Site	The silt fence that was identified during the SWPP inspection with the SSHO/QC on 22 Apr 2020 as needing to be repaired hasn't been corrected.	
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	5.0	40.0
Ludlow Construction Co., Inc.	LABORER, GROUP 1	8.0	64.0
Ludlow Construction Co., Inc.	PROJECT MANAGER	1.0	8.0
Ludlow Construction Co., Inc.	OPERATOR HEAVY EQUIPMENT 1	5.0	40.0
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:	11,288.5	Hrs worked MTD: 2,502.0	Total: 21.0 168.0
EQUIPMENT HOURS			
Serial Number	Description	Idle Hours	Operating Hours
WH5449, L-20	Kumatsu Front End Loader Billy	0.0	0.0
03101	Volvo EW170 Rubber Tire Track Hoe, TE-6	0.0	8.0
531660128	Bobcat Skidsteer S-2 Jon	0.0	3.0
0336FCRAB	Cat 336 Track Hoe E-4 Jon	0.0	8.0
T-36	Dump Truck T-36 Billy	0.0	0.0
B-5	Sweeper B-4	0.0	8.0
T-25	Dump Truck T-25 Billy	0.0	8.0
007	Dump Truck, Vynalek 007 Jon	0.0	8.0
ECR145DL, E-20	Volvo Excavator E-20	0.0	0.0
L-5	Cat 950K L-5 Pitt	0.0	8.0
E-19	Cat 314C Trackhoe E-19 Billy	0.0	8.0
T-41	Ludlow Pressure Test Truck T-41 Billy	0.0	0.0
T-50	Ludlow Pickup Truck T-50 Jon	0.0	8.0
T-14	Ludlow Pickup Truck T-14 Jon	0.0	8.0
T-27	Dump Truck T-27 Billy	0.0	8.0
E-9	336 Track Hoe Billy	0.0	8.0
Cat 950M	Cat 950M Fork Loader Jon	0.0	0.0
T-64	Dump Truck T-64 Billy	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	8.0
R-4 Roller Jons	Roller Compacter Billies	0.0	0.0
TE 15 Excavator	Track Hoe	0.0	0.0
T-84 Pick Up	Work Truck	0.0	0.0
T-78 PU Truck	PU Truck Jon	0.0	8.0
950 M L-18	Loader Jon	0.0	8.0

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R-15 Roller	Compactor	JON			0.0	8.0	
D5 Cat	D-1	Billy			0.0	0.0	
T-86 Dump	Dump	Billy			0.0	8.0	
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	0.0	
T-86 Work Truck	Pick Up Truck	Billy			0.0	8.0	
Vynalek	Dump Truck, Unmarked (Tan bed)	Jons			0.0	8.0	
Total operating hrs to date:	10,850.5	Idle hrs MTD:	0.0	Opr hrs MTD:	3,260.0	Total: 0.0 179.0	
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