

<b>CONTRACTORS QUALITY CONTROL REPORT (QCR)</b> <b>DAILY LOG OF CONSTRUCTION</b>		REPORT NUMBER 498	Page 1 of 4
		DATE 29 Apr 2020 - Wednesday	
PROJECT Durham Meadows Waterline Remedial Design		CONTRACT NUMBER W912WJ19C0002	
CONTRACTOR Ludlow Construction Co., Inc.	WEATHER Weather Caused No Delay Temperature Min 33 °F Max 63 °F No Precipitation 8 MPH Wind		

**QC NARRATIVES**

**JOB SAFETY**

SAFETY:  
Crews arrived at 7:00am, Departed at 3:30pm  
 \*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 172+40 to 174+23  
 \*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 used an asphalt paver to shim low spots along SB Rt 17 See QC narrative for specific data.  
 \*2-Operators, 2-Truck drivers (1-sub), 3-Laborers  
 \*Traffic Control: 2 local police in A.M.; 2 State police in P.M.

\*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, Initial Inspections, and Daily Equipment Inspections (See PDFs attached to RMS Report)

**WORK PERFORMED TODAY**

WORK PERFORMED TODAY  
 Onsite 7:00 AM ; Offsite 3:30 PM  
 PERSONAL;  
 Project Manager 1  
 Superintendent 5  
 Operators 5  
 Labors 8  
 Truck Drivers 5  
 VISITERS:  
 SUBCONTRACTORS ON SITE:  
 Turner Consultants = 1  
 Police Officers = 6  
 WORK COMPLETED;  
 Jon's Crew continued installing 16" pipe on Rt 17.  
 HIT ROCK AND HAD TO HAMMER ROCK OUT STARTING AT STA 173+43.  
 Billie's crew Shimmed on Rt 17  
 PAY ITEMS:  
 16" DI Restrained Pipe = 183 Feet of TR FLEX at STA 172+40 to 174+23.  
 16" TEE: 1-16"X16"X8" TEE at STA 173+75  
 16" Butterfly Valve: 1-16" Butterfly Valve at STA 173+70.5  
 8" Gate Valve: 1-8" Gate Valve at STA 173+75  
 3- 1" Water Service Corps = 1st at STA 172+77, 2nd at STA 173+18, 3rd at STA 174+07  
 Shem: Shem trench on Rt 17 From STA 119+06 to STA 124+22, Also STA 141+88 to STA 156+88.  
 Loam and Seed: Hydrant at STA 118+97  
 Rock Excavation from STA 173+43 to 174+23.33 CYs  
 Road Gravel= 29.22 CY Bank Run Gravel  
 THE REST OF THE BANK RUN GRAVEL USED IS INCLUDED IN THE ROCK EXCAVATION LINE ITEM.)  
 Saw Cut= 366 feet in State Road  
 COMPACTION:  
 QC/QA discussed the compaction layers and materials used in Excavation and Backfill when installing the new water lines.  
 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. 97.2 - 2.4	172+40
2. 95.9 - 3.2	
3. 97.0 - 2.2	
4. 97.3 - 2.7	

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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>5. 96.6 - 2.2</p> <p>1. 97 - 2.8                      172+65</p> <p>2. 95.5 - 3.1</p> <p>3. 97.3 - 4</p> <p>4. 97 - 2.3</p> <p>5. 99.6 - 2</p> <p>1. 96.5 - 2.9                      172+90</p> <p>2. 96.8 - 2.7</p> <p>3. 98.4 - 2.9</p> <p>4. 98.9 - 2.5</p> <p>5. 99.1 - 2.7</p> <p>1. 95.7 - 3.8                      173+15</p> <p>2. 96.3 - 2.7</p> <p>3. 98.5 - 2.6</p> <p>4. 98.3 - 3.4</p> <p>5. 98 - 3.3</p> <p>1. 96.1 - 3.8                      173+40</p> <p>2. 97.3 - 2.7</p> <p>3. 97.8 - 2.2</p> <p>4. 97.6 - 2.7</p> <p>5. 97.9 - 2.5</p> <p>1. 96.7 - 2.7                      173+65</p> <p>2. 95.1 - 2.9</p> <p>3. 96.5 - 2.4</p> <p>4. 97.5 - 2</p> <p>5. 97.2 - 2.3</p> <p>1. 95.3 - 2.6                      173+90 to 174+15</p> <p>2. 96.3 - 2.2</p> <p>3. 96.1 - 1.9</p> <p>4. 99.3 - 3</p> <p>5. 97.1 - 3.3</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>11-Dumps; T-25, T-36, T-64, T-86, T-64, T-25, T-36, T-84, V-07, T-21, T-27</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, E-4</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-PB1 Paver</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 for Ludlow repairs of the Silt Fence. Silt fence was corrected from items on SWPP.</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.</p> <p>AM. Worked on the Agenda for tomorrow's Weekly Progress Meeting.</p> <p>PM. Worked on As-Built Drawings for work completed in 2020.</p> <p>PM. Visited the site on Main Street in Durham where the 16" Dip was being installed</p> <p>Visited the paving site where Billy's crew was overlaying the trench with a paver from Little Lane down to Winsome Road, 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><b>PREP/INITIAL DATES</b></p> <p>Preparatory Inspections held today</p> <p><b>No preparatory inspections held today</b></p> <p>Initial Inspections held today</p> <p><b>No initial inspections held today</b></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><b>ACTIVITY START/FINISH</b></p> <p>Activity No                      Description</p> <p><b>No activities were started or finished today</b></p> </div> <div style="width: 50%;"></div> </div>			

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<b>QC REQUIREMENTS</b>			
Requirement No	Type	Description	Results
No QC requirements were completed today			
<b>ISSUED QA/QC DEFICIENCY</b> (Describe QA and QC Deficiency items issued)			
Item No	Location	Description	
No QC Deficiency items were issued today			
<b>CORRECTED QA/QC DEFICIENCY</b> (Report QC and QA Deficiency items corrected)			
Item No	Location	Description	
No QC Deficiency items were corrected today			
<b>CONTRACTORS ON SITE</b> (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			
<b>LABOR HOURS</b>			
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:	11,456.5	Hrs worked MTD: 2,670.0	Total: 21.0 168.0
<b>EQUIPMENT HOURS</b>			
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
Vynalek	Dump Truck, Unmarked (Tan bed) Jons	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

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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-86 Work Truck	Pick Up Truck	Billy			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	
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	
Total operating hrs to date:		11,029.5	Idle hrs MTD:	0.0	Opr hrs MTD:	3,439.0	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