

TOWN OF EASTEND WTP, RAW WATER RESERVOIR & INTAKE UPGRADES

BCL File #103.02-7B

October 9, 2020

General Progress to Date

In September, project progress included:

- Completed the top slab, pony wall, curb, and equipment pad concrete pours.
- Completed the hydrostatic leakage test on both reservoir chambers.
- Completed the framing and exterior sheathing of the exterior walls.
- Roof truss construction was underway at the time of inspection.
- Completed the remaining reservoir and river intake structural work (top slabs).
- Completed the reservoir intake structure except for the grating yet to be installed.
- Completed the air scour line to both structures (as per Change Order).
- Continued to complete the earthwork for the raw water reservoir. Excavation quantities were not included on this progress payment but will be surveyed and processed next month.

During the next work period (month), construction is expected to include final closeup of the building envelope and backfilling of the reservoirs. Earthwork for the earthen reservoir will continue leading up to installation of the liner material before winter.

Progress Certificate

Progress No. 5 is certified and represents work completed to September 30, 2020. Westridge Construction Ltd. is eligible for payment in the amount of \$344,574.98.

Westridge provided their required WCB clearance and Statutory Declaration paperwork along with their invoice.

Payment in the amount of \$34,491.99 should also be made to the holdback trust account, as required by the Builder's Lien Act. Total holdback to date should be \$234,231.72 plus taxes.

Construction Schedule

An updated construction schedule was provided by Westridge on August 5, 2020. Based on the submission, Westridge appears to still be on schedule.

Testing

Since the last report, concrete tests were completed on the top slab and pony walls of the reservoir. All concrete testing received to date meets or exceeds the specifications. An updated summary is appended.



Shop Drawings

Westridge has provided 48 shop drawing submittals to date and all have been reviewed and returned.

Shop drawings that have been reviewed since the last project engineer's report are:

Transmittal	Description	Status				
49	HDPE Liner	Reviewed & Returned				
50	Spray Foam Insulation	Reviewed & Returned				
51	Overhead Door	Reviewed & Returned				

Photos



Exterior framing and sheathing is completed; truss construction at right.





Exterior walls and door, window and louvre openings framed in.



Grating frame, curbs, pump sleeves and access hatches.





Dry pit access frames.



Generator set and air compressor equipment pads.





Reservoir intake pumphouse with top slab incl. access hatches, gooseneck vent.



River intake pumphouse.





Reservoir intake structure (grating yet to install) with air scour / hot water line.



Earth moving from bottom of pond to build up berms.

Prepared by: Matthew Feige, P.Eng.



Town of Eastend Water Treatment Plant Concrete Test Results Updated October 9, 2020 Job # 103.02

NumberDate CatsDate FailerTheir Party FairerLocationShumpNume Air PartyTopPagePagePageAdditional Commention50/342020-06192020-0717CliftonPin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin<Pin< <t< th=""><th>Cylinder</th><th></th><th></th><th></th><th></th><th>Measured</th><th></th><th colspan="2">Compressive Strength (MPa)</th><th>Required</th><th></th></t<>	Cylinder					Measured		Compressive Strength (MPa)		Required			
5074 20206-679 2020-677 <	Number	Date Cast	Date Taken	Third Party Tester	Location	Slump	Measured Air	7 Day	28 Day	56 Day	Strength (MPa)	Additional Comments	
50744 2020e101 2020e717 Clifton Parts 90 mm 1.0% 4.2.4 35 Pasted. Very high. 50745 3020e101 2020e717 2020e11 2020e1	50743	2020-06-19	2020-06-26					30.9				88.3% of design at 7 days - Good.	
S0748 2020 0619 2020 0614 2020 0614 2020 0614 2020 0614 Piss Piss <thpiss< th=""></thpiss<>	50744	2020-06-19	2020-07-17	Clifton	Base Slab -	90 mm	1.6%		42.4		35	Passed. Very high.	
Stor24 3020-06-13 2020-06-12 Cuiton Base Slab - SW Coner 90 mm 1.6% 32.2 1.00 32.2 1.00 90% 1.6% 32.2 1.00 90% 90% 1.6% 32.2 1.00 1.00	50745	2020-06-19	2020-07-17	Cinton	Pits	90 11111	1.070		46.7		55	Passed. Very high.	
35747 2020-06-19 2020-06-76 Cilton Base Slab- SW Corner 90 mm 1.6% 2.2 4.6 35 30748 2020-06-19 2020-06-77 Cilton SW Corner 90 mm 1.6% 2.2 4.31 1 <t< td=""><td>50746</td><td>2020-06-19</td><td>2020-08-14</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	50746	2020-06-19	2020-08-14										
53748 2020 06-19 2020 06-717 Culton Base Sab- SW Corner 90 nm 1.6% 45.6 0 35 Passed. Very high. 50739 2020 06-19 2020 06-77 Culton Base Slab. We side Corner 0 41.0 0 100 nm 42.0 35 82.3% of design at 7 days. Good. 50731 2020 06-19 2020 07-77 Culton Base Slab. We side Corner 0 42.2 35 86.3% of design at 7 days. Good. 50735 2020 06-19 2020 07-77 Culton Base Slab. WW Corner 1.8% 1.8% 0 45.1 0 90.0% <td>50747</td> <td>2020-06-19</td> <td>2020-06-26</td> <td></td> <td></td> <td></td> <td></td> <td>32.2</td> <td></td> <td></td> <td></td> <td>92% of design at 7 days - High, but good.</td>	50747	2020-06-19	2020-06-26					32.2				92% of design at 7 days - High, but good.	
Syr39 2020-6719 2020-0717 Cliffon SW Correr Attack Attack <t< td=""><td>50748</td><td>2020-06-19</td><td>2020-07-17</td><td>Clifton</td><td>Base Slab -</td><td>90 mm</td><td>1.6%</td><td></td><td>45.6</td><td></td><td>25</td><td>Passed. Very high.</td></t<>	50748	2020-06-19	2020-07-17	Clifton	Base Slab -	90 mm	1.6%		45.6		25	Passed. Very high.	
S0750 2020-06-19 2020-06-19 2020-06-19 2020-06-19 2020-07-17 Clifton Base Slab- Wet Side Corner 1.4% 4.0.2 35 82.3% of design at 7 days - Good. 50753 2020-06-19 2020-07-17 Clifton Base Slab- Wet Side Corner 0 mm hofore Super P vas 30.2 6 30.2 86.3% of design at 7 days - Good. 50755 2020-06-19 2020-07-17 Clifton Base Slab- WCorner 60 mm hofore Super P vas 30.2 6 86.3% of design at 7 days - Good. 50755 2020-06-19 2020-06-19 2020-06-19 2020-06-19 2020-06-19 2020-06-19 2020-06-19 2020-06-19 2020-06-19 2020-06-19 2020-06-19 2020-07-17 Clifton North Four(4) 75 mm (before Super P vas 1.7% 42.1 0 97.5% 42.3 97.5% 97.5% 40.6 0 - <td< td=""><td>50749</td><td>2020-06-19</td><td>2020-07-17</td><td>Cinton</td><td>SW Corner</td><td>50 11111</td><td>1.070</td><td></td><td>43.1</td><td></td><td>55</td><td>Passed. Very high.</td></td<>	50749	2020-06-19	2020-07-17	Cinton	SW Corner	50 11111	1.070		43.1		55	Passed. Very high.	
S073 2020-619 2020-67-17 Clifton Base Slab- Wet Side Correr Base Slab- Wet Side Correr 2.88 4.28 4.22 3.23 6.23.36 of design at 7.days-Good. 50752 2020-6619 2020-6717 Clifton Base Slab- Wet Side Correr 0	50750	2020-06-19	2020-08-14										
S572 2020-01-19 2020-07-17 Clifton Base Slob- West Side Comer 100 mm 1.4% Clifton Base Slob- Super Para added 100 mm 4.42 aspect Super Para Super Para added 353 Passed. Somewhat high. 50753 2020 06-19 2020 06-19 2020 06-19 2020 07-17 Clifton Base Slob- Super Para Added 1.8% 41.0	50751	2020-06-19	2020-06-26					28.8				82.3% of design at 7 days - Good.	
S0733 2020-619 2020-07-17 Clifton West Side Comer NOV (nm) Laws QL QL QL Passed. Somewhat high. 50754 2020-619 2020-07-17 Clifton Base Slab- Super Pusa All.0 All.0 Passed. Somewhat high. 50757 2020-619 2020-07-17 Clifton Base Slab- Super Pusa All.0 All.0 Passed. Somewhat high. 50758 2020-06-19 2020-07-17 Clifton Base Slab- South Centre All.0 All.0 Passed. Somewhat high. 50760 2020-06-19 2020-07-17 Clifton Base Slab- South Centre All.0 All.0 Passed. Somewhat high. 50761 2020-07-13 Clifton North Four(4) Column All.0 Clifton All.0 Passed. Somewhat high. 51004 2020-07-13 Clifton North Four(4) Column Some Medica All.0 Passed. Somewhat high. Passed. Somewhat high. 51104 2020-07-13 Clifton North Four(4) Column Some Medica All.0 Passed. Somewhat high. Passed. Somewhat high. 51104 2020-07-13 Clifton North Four(50752	2020-06-19	2020-07-17	Clifton	Base Slab -	100 mm	1 404		40.2		25	Passed. Somewhat high.	
S0754 2020 0619 2020-0614 2020-0717 Clifton Base Slab- South centre 7 mm (before Super P was added) 2.5.7 44.6 2.5.7<	50753	2020-06-19	2020-07-17	Cinton	West Side Corner	er 100 mm	1.470		42.2		33	Passed. Somewhat high.	
50750 2020 60-19 2020-07-17 Clifton Base Slab- Super Para Added 60 mm (bolow Super Para Added 1.8% 41.0 25 66.3% of design at 7 days - Good. 50757 2020 60-19 2020-07-17 Clifton Base Slab- South Centre 7.5 mm (before Super Para Added) 1.8% 41.0 25 21 41.0 25 220 Passed. South Ltip (Ltip (L	50754	2020-06-19	2020-08-14				1						
10756 2020-06-19 2020-07-17 Clifton Base Slab- NW Corner 1.8% added 1.8% added 1.8% 4.5. 1.7% 4.2. 1.7% 4	50755	2020-06-19	2020-06-26			60 mm (hoforo		30.2				86.3% of design at 7 days - Good.	
S0757 2020-619 2020-07-17 Cliffun NW Comer added 1.8% d 4.5.1 Image: Cliffun in the stand	50756	2020-06-19	2020-07-17	Cliffon	Base Slab -	Super Dwor	1.00/		41.0		25	Passed. Somewhat high.	
Sorgs 2020-06-19 2020-06-34 Clifton Base Slab-South Centre 75 mm (before sudded) 21.7% 44.6 35 91.7% 91.7	50757	2020-06-19	2020-07-17	Cinton	NW Corner	Super P was	1.0%		45.1		55	Passed. Very high.	
S0799 2020-06-19 2020-06-26 Pased. South Centre 75 nm (before super Pass added) 32.1 Method Pased. South 2 days design at 7 days - High, but god. 50700 2020-06-19 2020-07-17 Clifton South Centre added 1.7% 44.6 9.7% Pased. South 2 days - Good. 75.4% of design at 7 days - Good. 9.7% of design at 7 day	50758	2020-06-19	2020-08-14			added)							
Spron 2020-06-19 2020-07-17 Clifton Base Slab - South Centre Sprint Debra sadded) 1,7% 44.6 35 Passed. Very high. Passed. Very high. 50761 2020-06-19 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-13 2020-07-14 2020-07-1	50759	2020-06-19	2020-06-26					32.1				91.7% of design at 7 days - High, but good.	
Sorbeit 2020-06-19 2020-07-17 Clifton South Centre Super P was 1.7% 42.9 5.5% 42.9 5.5% 73.4% of design at 7 days - Good. 51207 2020-07-13 2020-07-20 Clifton North Four (4) Columns 75 mm (before Super P was 1.7% 2 2 73.4% of design at 7 days - Good. 51109 2020-07-14 2020-07-21 Clifton North south (4) Columns 80 mm 6.0% 2 73.4% of design at 7 days - Good. 51193 2020-07-14	50760	2020-06-19	2020-07-17	Cliffe	Base Slab -	75 mm (before	1 70/		44.6		25	Passed. Very high.	
50762 2020-06-19 2020-08-14 addedi	50761	2020-06-19	2020-07-17	Clitton	South Centre	added)	1.7%		42.9		35	Passed. Somewhat high.	
51207 2020-07-13 2020-07-20 Clifton North Four (4) 75 mm (before Super P was added) 25.7 35 73.4% of design at 7 days - Good. 51208 2020-07-13 2020-08-11 2020-07-14 2020-08-11 Clifton Walls - North and Northeast Corner 80 mm 6.0% 25.7 35 73.4% of design at 7 days - Good. 51191 2020-07-14 2020-08-11 Clifton Walls - North and Northeast Corner 80 mm 6.0% 35.9 73.4% of design at 7 days - Good. 51193 2020-07-14 20	50762	2020-06-19	2020-08-14									¥	
S1208 2020-07-13 2020-08-10 Clifton North Pour (n) Super P was added) 1.7% Image: Constraint of the cons	51207	2020-07-13	2020-07-20		North Four (4)	75 mm (before Super P was added)		25.7				73.4% of design at 7 days - Good.	
51209 2020-07-13 2020-08-01 Columns added) added) madded madded <th< td=""><td>51208</td><td>2020-07-13</td><td>2020-08-10</td><td>Clifton</td><td rowspan="2">1.7%</td><td></td><td></td><td></td><td rowspan="2">35</td><td></td></th<>	51208	2020-07-13	2020-08-10	Clifton			1.7%				35		
51191 2020-07-14 2020-07-21 Walls - North and Northeast Corner 80 mm 6.0% 35.9 35 76.3% of design at 7 days - Good. 51192 2020-07-14 2020-07-14 2020-08-11 Cliffon Walls - North and Northeast Corner 80 mm 6.0% 41.2 Passed. Good strength. 51194 2020-07-14 2020-07-21 Walls - South and Southwest Corner 50 mm (before Super P was added) 25.7 36.4 76.3% of design at 7 days - Good. 51196 2020-07-14 2020-08-11 Cliffon Walls - South and Southwest Corner 5.5% 38.4 35 78.4% of design at 7 days - Good. 51197 2020-07-14 2020-07-21 Walls - South and Southwest Corner 5.5% 38.4 35 78.3% 90.0% 90.0% 90.0% 41.6 90.0% 90.0% 22.3 35 90.0%	51209	2020-07-13	2020-08-01		Columns								
S1192 2020-07-14 2020-08-11 Cliffon Walls - North and Northeast Corner 80 mm 6.0% 35.9 41.2 935 Passed. Good strength. 51193 2020-07-14	51191	2020-07-14	2020-07-21				6.0%	26.7			35	76.3% of design at 7 days - Good.	
51193 2020-07-14 2020-08-11 Cliffon Northeast Corner 80 mm 6.0% 41.2 35 Passed. Good strength. 51194 2020-07-14 2020-07-21 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-08-11 Cliffon So mm (before Super P was added) 5.5% 38.4 35 Passed. Good strength. 51199 2020-07-14 2020-08-11 Cliffon Valls - South and Southwest Corner 5.5% 40.7 40.7 Passed. Good strength. Passed. Good strength. 51200 2020-07-14 2020-08-11 Cliffon Walls - East 70 mm 5.2% 35.1 60.9% of design at 7 days - Sido dstrength. 51201 2020-07-14 2020-08-11 Cliffon Walls - South and Southwest Corner 90 mm 1.8% 35.2 60.9% of design at 7 days - Good. 92.3%, Passed It 5 days - good. 57.7% of design at 7 days - Good. 57	51192	2020-07-14	2020-08-11	Cliffe	Walls - North and	80 mm			35.9			Passed. Good strength.	
51194 2020-07-14	51193	2020-07-14	2020-08-11	- Clifton	Northeast Corner					41.2		Passed. Good strength.	
51195 2020-07-14 2020-07-21 Walls - South and Southwest Corner 50 mm (before Super P was added) 25.7 38.4 35 73.4% of design at 7 days - Good. 51197 2020-07-14 2020-08-11 Clifton Southwest Corner 50 mm (before Super P was added) 38.4 35 73.4% of design at 7 days - Good. 51197 2020-07-14 2020-07-21 35 35 57.7% of design at 7 days - Bitlow, will monitor. 83.1%. Monitor at 56 days - good. 83.1%. Monitor at 56 days - good. </td <td>51194</td> <td>2020-07-14</td> <td>2020-09-08</td> <td></td> <td></td> <td>40.1</td> <td>Passed. Good strength.</td>	51194	2020-07-14	2020-09-08							40.1		Passed. Good strength.	
51196 2020-07-14 2020-08-11 Clifton Walls - South and Southwest Corner 5.5% 38.4 35 Passed. Good strength. 51197 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-08-11 Clifton Walls - East 70 mm 5.2% 21.3 60.9% of design at 7 days - Bit low, will monitor. 51200 2020-07-14 2020-08-11 Clifton Walls - South and Southwest Corner 5.2% 21.3 60.9% of design at 7 days - Bit low, will monitor. 51201 2020-07-14 2020-08-11 Clifton Walls - South and Southwest Corner 5.2% 21.3 35 92.3%. Passed the +/- 3.5MP a criteria. 51203 2020-07-14 2020-08-11 Clifton Walls - South and Southwest Corner 90 mm 1.8% 20.2 57.7% of design at 7 days - Bit low, will monitor. 51205 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested 31.7 35 Suspected to high of air content led to low strength. 51325 2020-07-14 <td>51195</td> <td>2020-07-14</td> <td>2020-07-21</td> <td></td> <td></td> <td rowspan="4">50 mm (before Super P was added)</td> <td rowspan="4">5.5%</td> <td>25.7</td> <td></td> <td></td> <td rowspan="4">35</td> <td>73.4% of design at 7 days - Good.</td>	51195	2020-07-14	2020-07-21			50 mm (before Super P was added)	5.5%	25.7			35	73.4% of design at 7 days - Good.	
51197 2020-07-14 2020-08-11 Clifton Southwest Corner Super P was added 5.5% 40.7 35 Passed. Good strength. 51198 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-08-11 5.2% 21.3 60.9% of design at 7 days. Bit low, will monitor. 51201 2020-07-14 2020-08-11 Clifton Walls - East 70 mm 5.2% 21.3 32.3 92.3%. Passed the +/-3.5MPa criteria. 51201 2020-07-14 2020-08-11 Clifton Walls - South and Southwest Corner 90 mm 1.8% 20.2 57.7% of design at 7 days - Low, will monitor. 51205 2020-07-14 2020-08-11 Clifton Southwest Corner 90 mm 1.8% 20.2 57.7% of design at 7 days - Low, will monitor. 51205 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested. 18.1 35 Suspected to high of air content led to low 51326 2020-07-14	51196	2020-07-14	2020-08-11	Clifton	Walls - South and				38.4			Passed. Good strength.	
51198 2020-07-14 2020-09-08 added) 41.6 Passed. Good strength. 51199 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested. 18.1 35 35 Stappendee dool high of air content led to low strength. contractor indicated that they were going to remove these columns and re-pour. 51360 2020-07-14 2020-08-11 <td>51197</td> <td>2020-07-14</td> <td>2020-08-11</td> <td>Southwest Corner</td> <td></td> <td></td> <td>40.7</td> <td>Passed. Good strength.</td>	51197	2020-07-14	2020-08-11		Southwest Corner					40.7		Passed. Good strength.	
\$1199 2020-07-14 2020-07-21 2020-07-14 2020-07-21 Malls - South and Southwest Corner 90 mm 1.8% 20.2 57.7% of design at 7 days - Low, will monitor. 51205 2020-07-14 2020-08-11 Clifton Columns 90 mm 1.8% 20.2 57.7% of design at 7 days - Low, will monitor. 83.1%. Monitor at 56 days - good. 51325 2020-07-14 2020-08-11 Clifton Columns Not tested. 14.6 18.1 35 Suspected too high of air content led to low strength. Contractor indicated that they were going to remove these columns and re-pour. 51360 2020-07-14 2020-08-11 Clifton	51198	2020-07-14	2020-09-08							41.6		Passed. Good strength.	
\$1200 2020-07-14 2020-08-11 Clifton Walls - East 70 mm 5.2% 32.3 35 92.3%. Passed the +/- 3.5MP criteria. \$1201 2020-07-14 2020-08-11 Not tested Not tested 18.1 35 5 Suspect too high of air contractor indicated that they were going to remove these columns and re-pour. 31.3 6 9.4% of design at 7 days - High, but good. 90.6% of design at 7 days - High, but good. 17.7 5 5 2 2 2 <td>51199</td> <td>2020-07-14</td> <td>2020-07-21</td> <td></td> <td></td> <td></td> <td></td> <td>21.3</td> <td></td> <td></td> <td></td> <td>60.9% of design at 7 days - Bit low, will monitor.</td>	51199	2020-07-14	2020-07-21					21.3				60.9% of design at 7 days - Bit low, will monitor.	
51201 2020-07-14 2020-08-11 Clifton Walls - East 70 mm 5.2% 35 Passed at 56 days - good. 51203 2020-07-14 2020-07-21 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-08-11 Southwest Corner 90 mm 1.8% 20.2 57.7% of design at 7 days - Low, will monitor. 83.1%. Monitor at 56 day breaks. 90.6%. Passed at 96 days - good. 51205 2020-07-14 2020-08-11 Clifton Walls - South and Southwest Corner 90 mm 1.8% 20.2 57.7% of design at 7 days - Low, will monitor. 51206 2020-07-14 2020-08-11 Clifton Columns Not tested. 1.8% 35.1 35 Suspected too high of air content led to low 51326 2020-07-14 2020-08-11 Clifton Columns Not tested. 14.6 35.1 35 Suspected too high of air content led to low 51326 2020-07-14 2020-08-11 Clifton Columns Not tested.	51200	2020-07-14	2020-08-11	Clifton					32.3			92.3%. Passed the +/- 3.5MPa criteria.	
51202 2020-07-14 2020-09-08 Net tested 35.2 Passed at 56 days - good. 51203 2020-07-14 2020-07-21 2020-07-14 2020-07-21 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-14 2020-07-21 31.7 31.7 31.7 31.7 90.6%. Passed the spec criteria. 90.0%. 3)	51201	2020-07-14	2020-08-11		Clifton	Walls - East	70 mm	5.2%			35.1		Passed at 56 days - good.
51203 2020-07-14 2020-07-21 Walls - South and Southwest Corner 90 mm 1.8% 20.2 57.7% of design at 7 days - Low, will monitor 51204 2020-07-14 2020-08-11 Southwest Corner 90 mm 1.8% 29.1 35 83.1%. Monitor at 56 day breaks. 51205 2020-07-14 2020-09-08 Clifton Support Corner 90 mm 1.8% 31.7 35 83.1%. Monitor at 56 day breaks. 51205 2020-07-14 2020-09-08 Clifton Columns Not tested 14.6 31.7 35 Support do high of air content led to low strength. Contractor indicated that they were going to remove these columns and re-pour. 51360 2020-07-14 2020-07-21 Clifton Columns Not tested 31.3 31.3 89.4% of design at 7 days - High, but good. 51361 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested 31.3 31.3 89.4% of design at 7 days - High, but good. 51362 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested. 31.3 92.6% of design at 7 days - High, will monitor. 51521 2020-07-27<	51202	2020-07-14	2020-09-08							35.2		Passed at 56 days - good.	
51204 2020-07-14 2020-08-11 Clifton Walls - South and Southwest Corner 90 mm 1.8% 29.1 35 83.1%. Monitor at 56 day breaks. 51206 2020-07-14 2020-09-08 2020-07-14 2020-09-08 31.7 90.6%. Passed the spec criteria. 51325 2020-07-14 2020-09-08 Clifton Columns Not tested 14.6 31.7 51326 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested 18.1 35 Suspected too high of air content led to low strength. Contractor indicated that they were going its to remove these columns and re-pour. 51360 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested. 31.3 49.4% of design at 7 days - High, but good. 51361 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested. 31.3 49.4% of design at 7 days - High, but good. 51362 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested. 32.4 492.6% of design at 7 days - High, will monitor. 51521 2020-07-27 2020-08-25 Clifton Columns	51203	2020-07-14	2020-07-21	Clifton				20.2			35	57.7% of design at 7 days - Low, will monitor	
51205 2020-07-14 2020-08-11 Southwest Corner 90 mm 1.8% 35 Outbound of the spec criteria. 51206 2020-07-14 2020-09-08 2020-07-14 2020-07-21 Hold until 112 days (Nov. 3) 51325 2020-07-14 2020-08-11 Clifton Columns Not tested 14.6 Suspected too high of air content led to low 51326 2020-07-14 2020-08-11 Clifton Columns Not tested 14.6 Suspected too high of air content led to low 51327 2020-07-14 2020-07-21 Clifton Columns Not tested Not tested 18.1 35 Suspected too high of air content led to low 51326 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested 31.3 35 89.4% of design at 7 days - High, but good. 51361 2020-07-14 2020-08-11 Clifton Columns Not tested 31.3 35 89.4% of design at 7 days - High, but good. 51362 2020-07-27 2020-08-25 Clifton Columns Not tested 32.4 <td>51204</td> <td>2020-07-14</td> <td>2020-08-11</td> <td>Walls - South and</td> <td></td> <td></td> <td></td> <td>29.1</td> <td></td> <td>83.1%. Monitor at 56 day breaks.</td>	51204	2020-07-14	2020-08-11		Walls - South and				29.1			83.1%. Monitor at 56 day breaks.	
51206 2020-07-14 2020-09-08 Hold until 112 days (Nov. 3) 51325 2020-07-14 2020-07-21 Anter the second seco	51205	2020-07-14	2020-08-11		Southwest Corner	90 mm	1.8%	-		31.7		90.6%. Passed the spec criteria.	
51325 2020-07-14 2020-07-21 Clifton Columns Not tested 14.6 Suspected too high of air content led to low 51326 2020-07-14 2020-08-11 Clifton Columns Not tested 18.1 35 Suspected too high of air content led to low 51327 2020-07-14 2020-08-11 Clifton Columns Not tested 17.7 51.3 35 Suspected too high of air content led to low 51360 2020-07-14 2020-08-11 Clifton Columns Not tested 31.3 89.4% of design at 7 days - High, but good. 51361 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested. 31.3 89.4% of design at 7 days - High, but good. 51362 2020-07-27 2020-08-11 Clifton Columns Not tested 32.4 35 92.6% of design at 7 days - High, will monitor. 51521 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested. 35 92.6% of design at 7 days - High, will monitor. 51523 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested. 35 <td>51206</td> <td>2020-07-14</td> <td>2020-09-08</td> <td>-</td> <td>1</td> <td>••••</td> <td>Hold until 112 days (Nov. 3)</td>	51206	2020-07-14	2020-09-08					-	1	••••		Hold until 112 days (Nov. 3)	
51326 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested 18.1 35 strength. Contractor indicated that they were going to remove these columns and re-pour. 51327 2020-07-14 2020-07-14 2020-07-21 17.7 100 17.7 100 </td <td>51325</td> <td>2020-07-14</td> <td>2020-07-21</td> <td rowspan="3">Clifton</td> <td></td> <td rowspan="3">Not tested</td> <td></td> <td>14.6</td> <td></td> <td></td> <td rowspan="3">35</td> <td>Suspected too high of air content led to low</td>	51325	2020-07-14	2020-07-21	Clifton		Not tested		14.6			35	Suspected too high of air content led to low	
51327 2020-07-14 2020-08-11 Image: Columns and re-pour. 51360 2020-07-14 2020-07-21 51361 2020-07-14 2020-08-11 51362 2020-07-14 2020-08-11 51361 2020-07-14 2020-08-11 51362 2020-07-14 2020-08-11 51521 2020-07-27 2020-08-25 51522 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested Not tested S1523 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested S1523 2020-07-27 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested S1523 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested S1	51326	2020-07-14	2020-08-11		Columns		Not tested.		18.1			strength. Contractor indicated that they were going	
51360 2020-07-14 2020-07-21 51361 2020-07-14 2020-08-11 51362 2020-07-14 2020-08-11 51521 2020-07-27 2020-08-04 51522 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested S13.3 S13.3 S1521 2020-07-27 2020-08-04 51523 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested Not tested 32.4 S1523 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested Not tested 35	51327	2020-07-14	2020-08-11						17.7			to remove these columns and re-pour.	
51361 2020-07-14 2020-08-11 Clifton Columns Not tested Not tested 35 S130 S100 S130 S100 S100 </td <td>51360</td> <td>2020-07-14</td> <td>2020-07-21</td> <td></td> <td></td> <td></td> <td></td> <td>31.3</td> <td></td> <td></td> <td></td> <td>89.4% of design at 7 days - High, but good</td>	51360	2020-07-14	2020-07-21					31.3				89.4% of design at 7 days - High, but good	
51362 2020-07-14 2020-08-11 51362 2020-07-72 2020-08-04 51521 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested Not tested	51361	2020-07-14	2020-08-11	Clifton	Columns	Not tested	Not tested	51.5			35		
51521 2020-07-27 2020-08-04 51522 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested Not tested	51362	2020-07-14	2020-08-11	1							1		
5152 2020-07-27 2020-08-25 Clifton Columns Not tested Not tested 35	51521	2020-07-27	2020-08-04	1		1	1	32.4				92.6% of design at 7 days - High, will monitor	
51523 2020-07-27 2020-08-25	51527	2020-07-27	2020-08-25	Clifton	Columns	Not tested	Not tested	52.1			35		
	51523	2020-07-27	2020-08-25	-									



Town of Eastend Water Treatment Plant Concrete Test Results Updated October 9, 2020 Job # 103.02

Cylinder					Measured		Compressive Strength (MPa)		Compressive Strength (MPa) Required				
Number	Date Cast	Date Taken	Third Party Tester	Location	Slump	Measured Air	7 Day	28 Day	56 Day	Strength (MPa)	Additional Comments		
51360	2020-07-27	2020-08-05	Clifton		Not tested	Not tested.	31.5			35	90% of design at 7 days - High, but good.		
51361	2020-07-27	2020-08-25		Columns									
51362	2020-07-27	2020-08-25											
51725	2020-08-06	2020-08-17		Columns -	Not tested	Not tested.	30.0			35	85.7% of design at 7 days - Very good.		
51726	2020-08-06	2020-09-03	Clifton	Replacement of				38.8			Passed. Good strength.		
51727	2020-08-06	2020-09-03		51325-51327 pour.				39.2			Passed. Good strength.		
52408	2020-09-08	2020-09-15					30.2				86.3% of design at 7 days - Very good.		
52409	2020-09-08	2020-10-06	Clifton	Clifferen	Top Slab -	00	2.00/		43.3		25	Passed. Good strength.	
52410	2020-09-08	2020-10-06		Southwest Corner	90 mm	2.0%		42.7		55	Passed. Good strength.		
52411	2020-09-08	2020-11-03											
52412	2020-09-08	2020-09-15			Slab - Centre of	2.0%	31.6				90.3% of design at 7 days - Good.		
52413	2020-09-08	2020-10-06	Clifton	Top Slab - Centre of				44.8		25	Passed. Good strength.		
52414	2020-09-08	2020-10-06	Cinton	Cinton	North Portion	30 11111	2.070		43.3		55	Passed. Good strength.	
52415	2020-09-08	2020-11-03											
52416	2020-09-08	2020-09-15					32.6				93.1% of design at 7 days - High, but good.		
52417	2020-09-08	2020-10-06	Clifton	Clifton	Top Slab - Centre of	f 70 mm	2.0%		46.7		- 35	Passed. Good strength.	
52418	2020-09-08	2020-10-06			Slab				46.1			Passed. Good strength.	
52419	2020-09-08	2020-11-03											
52420	2020-09-08	2020-09-15	- Clifton						30.8				88% of design at 7 days - Good.
52421	2020-09-08	2020-10-06		Top Slab - In Front of	of 110 mm	1.5%		42.7		35	Passed. Good strength.		
52422	2020-09-08	2020-10-06		Loading Dock				41.6			Passed. Good strength.		
52423	2020-09-08	2020-11-03											
52645	2020-09-14	2020-09-26	Clifton	Clifton	Clifton Pony Walls	90 mm	6.0%	29.2			35	83.4% of design at 7 days - Good.	
51361	2020-09-14	2020-10-12											
51362	2020-09-14	2020-10-12											