

WARWICK SEWER AUTHORITY
Quarterly Report to City Council
June 30, 2019

WSA Budget

See attached MUNIS budget report for FY19 to date as of May 31st (92% of fiscal year complete). In summary:

- Revenues -- \$16,321,908 (77.28%)
- Expenses -- \$18,840,640 (89.21%)

Revenues do not include sewer assessment collections to date as payment data has not yet been transferred into MUNIS. According to the Vision/Opal software report as of this June 30, 2019, just over \$4.7 million has been collected on sewer assessment bills.

Please note that debt service payments are made twice a year (September and April) with the most substantial principal payments due in September. As a result, the above percentages represent a typical snapshot of the WSA budget at this time of year.

Major WSA Board Actions in Last Quarter

At the Board meeting in **April**, the Board approved the following expenditures:

- Purchase Authorization: Roof Repairs for the Administration and Operations buildings and the Generator Enclosure. Beacon Roofing Company: \$15,500.00
- Award of Contract: Bid No. 2020-023: Wastewater Treatment Chemicals
Various suppliers/vendors. Lowest bid for each chemical.
- Award of Contract: Bid No. 2019-250 Turnkey Operations for Printing and Mailing of Water, Sewer and Tax Bills. Vendor: D3 Logic, East Providence, RI. \$24,655.60
- Extension of contract for analytical laboratory services (Bid No. 2017-097)
RI Analytical Laboratories, Inc.

The Board also approved five (5) administrative abatements on sewer usage bills and one abatement over \$1,000 due to a broken irrigation system pipe.

At the **May** meeting, the Board the Board approved the following expenditures:

- Contract Extension-Contract DD: Extension of existing contract through the end of calendar year 2019

The Board approved two (2) administrative abatements of sewer usage bills.

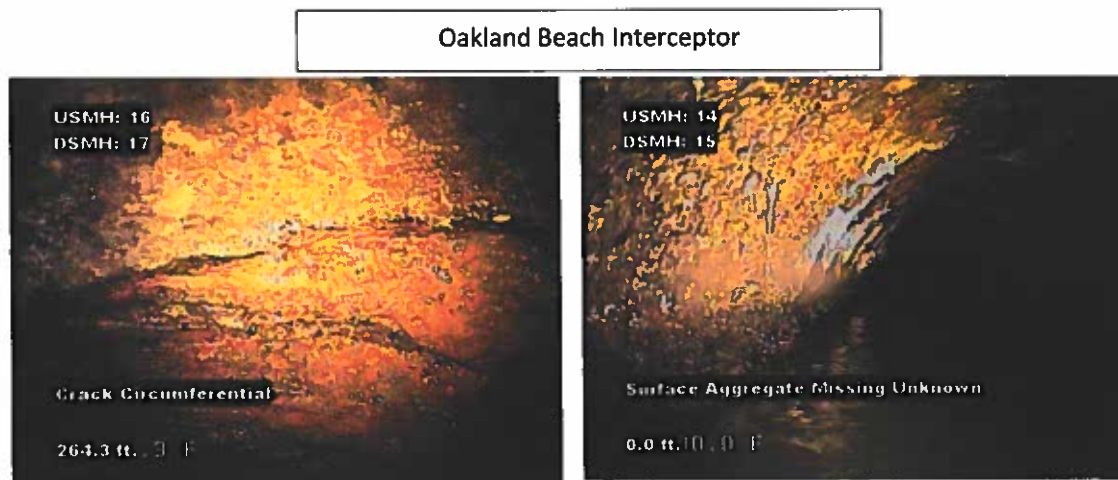
Finally in **May**, the Board voted to pass a Resolution of the Warwick Sewer Authority to amend the rules and regulations pertinent to the Industrial Pretreatment Program to allow for a mass based loading limit. This change was developed in conjunction with R.I. D.E.M.. The purpose is to adjust the limits for specific industries and allow them to operate in Warwick and discharge into the WSA's sewer lines.

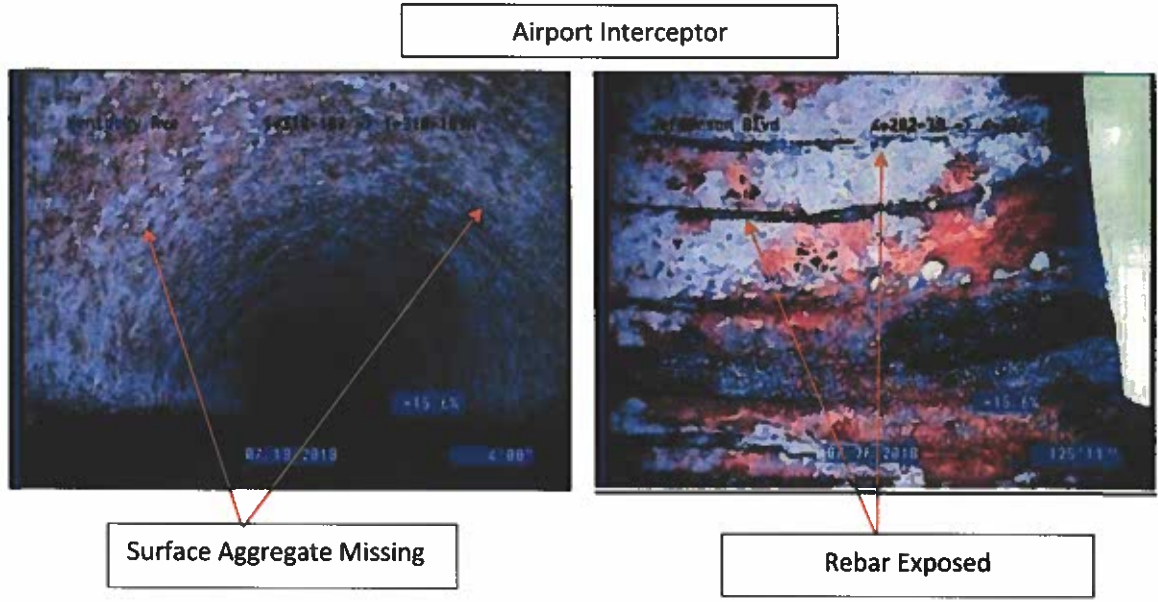
At the Board meeting in **June**, the Board approved the following expenditures:

- Awarding of Bid # 2020-048 to RI Analytical for laboratory services, effective July 1, 2019 for one year with the option to renew. \$53,400.00
- Hach Service Contract, effective July 1, 2019 for one year. \$9,719.00
- Rhode Island Resource Recovery Corporation (RIRRC) draw down for disposal of solids. Board approval for one year with a total cost of \$36,000
- Awarding of Bid 2020-047- Video Condition Assessment of Gravity Interceptors including 100,000 linear ft of pipeline and 352 manholes Cost not to exceed \$135,000.00
- CWL O & M Solutions Renewal 6 Months-\$62,400.00
- Contract No. 85B-Contract Extension- Extension of Gordon R. Achibald Inc's inspection contract. \$73,006.81
- Extension of service contract for Vision Government Services for one year at \$6,7530.00

The Board approved one (1) administrative abatements of sewer usage bills.

Finally in **June**, the Board voted to pass a Resolution Requesting Enactment of a Revenue Bond Ordinance-Authorizing the issuance of \$7,000,000 in Wastewater Service Revenue Bonds to fund the repair of identified failing interceptors. Bond Authorization will address two critical pieces of Infrastructure and reimburse for video condition assessment. Any funds remaining will address infrastructure needs resulting from the video condition assessment





Treatment Facility & Collection System Operations and Maintenance (O&M)

Over the last quarter, daily flows to the treatment facility have averaged 5.4 million gallons per day (facility design capacity is 7.7 mgd). Average monthly discharges for all pollutants complied with permit limits, including better than 99% removal efficiency for some conventional pollutants such as suspended solids and biological oxygen demand.

The facility recently received the Silver Award at the Narragansett Water Pollution Control Association's (NWPCA) annual award event. This is the third consecutive year the WSA has won a prestigious NWPCA award.

Annual Emergency Generator PM's in preparation for the 2019 hurricane season have begun.

Contract 97 Flood Hardening Project

This project has been completed.

Sewer Extension Planning & Construction (projects included in \$33 million bond authorization)

Additional review of remaining Bond authorization

- If all projects move forward additional Bond authorization will be required.
- Current est. 7 – 9 Million dollars
- WSA is reviewing Financials related to this and the Capital requirements

Governor Francis Farms Phase III (Contract 85 B) – The most recent progress report has been included with this report.

East Natick Phase III/O'Donnell Hill (Contract 69 A) – The most recent progress report has been included with this report.

Northwest Gorton Pond (Contract 88) – The project has been split into two phases. The project engineers are working with the WSA to identify and secure a parcel of land for a pumping

station in Phase I. Phase II will also require a pumping station, which will be on a private lot, once the lot is secured.

Projected costs for this project

Phase #1 \$4,500,000.00 161 Homes

Pumping station planned on a city parcel

Phase #2 \$5,100,000.00 163 Homes

Bayside (Contracts 86B) – The most recent progress report has been included with this report.

The WSA is exploring several options

Finalizing Risk analysis of project

Project may require additional Bond Authorization to complete

See attached Construction Project Data Table for a summary of information related to all projects being paid for using revenue bond authorization.

Warwick Sewer Authority FY19 Budget Report

Fund 80 - Sewer Operations, Maintenance, and Administration

As of May 31, 2019 (92% of fiscal year complete)

	FY19 Budget	Transfer /Adjustments	Revised budget	Expensed/ Received as of May 31	% Expended/ Collected
Personnel					
Sick Time & Other Leave	\$0		\$0	\$78,319	73.87%
Salaries	\$2,304,299		\$2,304,299	\$1,702,148	206.62%
Overtime	\$80,000		\$80,000	\$165,295	75.33%
Overtime Storm/Snow	\$10,000		\$10,000	\$7,533	83.99%
Easement Overtime	\$15,000		\$15,000	\$12,598	0.00%
Temporary Services	\$7,000		\$7,000	\$0	48.23%
Fringe Benefits	\$1,047,611		\$1,047,611	\$505,287	0.00%
Contractual Obligation	\$65,000		\$65,000	\$0	
Commodities					
Office Supplies & Equipment	\$9,500		\$9,500	\$5,561	58.54%
Print, Bind & Reproduction	\$24,700		\$24,700	\$11,481	46.48%
Advertising	\$4,000		\$4,000	\$1,056	26.40%
Postage	\$37,475		\$37,475	\$22,493	60.02%
Laboratory Supplies	\$24,000		\$24,000	\$16,013	66.72%
Gasoline	\$40,000		\$40,000	\$26,620	66.55%
Natural Gas	\$48,000		\$48,000	\$37,059	77.21%
Electricity	\$790,000		\$790,000	\$605,419	76.64%
Supplies - Computer	\$2,000		\$2,000	\$0	0.00%
Supplies - Safety Equipment	\$11,100		\$11,100	\$4,962	44.70%
Chemicals - Ferric Chloride	\$10,000	(\$10,000)	\$0	\$0	0.00%
Chemicals - Polymer	\$76,000	\$8,000	\$84,000	\$69,265	82.46%
Chemicals - Chlorine	\$57,000		\$57,000	\$35,419	62.14%
Chemicals - Dechlor	\$35,000		\$35,000	\$29,754	85.01%
Chemicals - Odor Control	\$150,000		\$150,000	\$112,371	74.91%
Chemicals - Alum	\$93,000	\$15,000	\$108,000	\$84,578	78.31%
Chemicals - Caustic	\$245,000	\$20,000	\$265,000	\$227,094	85.70%
Clothing	\$9,350		\$9,350	\$7,185	76.84%

	FY19 Budget	Transfer /Adjustments	Revised budget	Expensed/ Received as of May 31	% Expended/ Collected
Maintenance Materials	\$125,000		\$125,000	\$94,571	75.66%
Small Tools	\$3,000		\$3,000	\$1,418	47.27%
Deduct Meters	\$5,000		\$5,000	\$2,694	53.88%
Grinder Pumps	\$160,000	(\$41,000)	\$119,000	\$60,433	50.78%
Easement/CMOM Commodities	\$20,500		\$20,500	\$17,136	83.59%
Services					
Travel	\$1,000		\$1,000	\$312	31.20%
Training & Education	\$12,000		\$12,000	\$9,224	76.87%
Telephone	\$19,000		\$19,000	\$11,381	59.90%
Water Usage	\$15,000		\$15,000	\$6,600	44.00%
Equipment Repair	\$80,000		\$80,000	\$57,285	71.61%
Tax Sale	\$125,000		\$125,000	\$0	0.00%
Insurance	\$237,283		\$237,283	\$118,642	50.00%
Auto Maintenance	\$24,000	\$7,000	\$31,000	\$20,766	66.99%
Emergency Assistance	\$0	\$25,000	\$25,000	\$11,685	46.74%
Service Contracts	\$91,008		\$91,008	\$77,040	84.65%
Insured Accidents	\$0		\$0	\$118,371	0.00%
Professional Services	\$76,000		\$76,000	\$90,247	118.75%
Construction Services	\$155,000		\$155,000	\$82,578	53.28%
Sludge Removal	\$1,057,240	\$41,000	\$1,098,240	\$897,198	81.69%
Administration	\$111,716		\$111,716	\$45,238	40.49%
DEM - User Fees & Permits	\$3,370		\$3,370	\$370	10.98%
Testing & Lab Samples	\$50,400		\$50,400	\$33,959	67.38%
Engineering Services	\$73,000	(\$40,000)	\$33,000	\$11,252	34.10%
Sewer Connection Grants	\$41,100	(\$25,000)	\$16,100	\$0	0.00%
Public Outreach	\$4,000		\$4,000	\$90	2.25%
Services - Other	\$93,960		\$93,960	\$39,104	41.62%
Other Expenditures					
West Warwick WWTF	\$0		\$0	\$0	0.00%
Debt Service					
Paying Agent Fees	\$14,150		\$14,150	\$10,300	72.79%
Renew & Replacement	\$10,000		\$10,000	\$0	0.00%

	FY19 Budget	Transfer /Adjustments	Revised budget	Expensed/ Received as of May 31	% Expended/ Collected
Debt Service	\$11,249,893			\$11,191,892	99.48%
Debt Interest	\$2,062,635			\$2,063,344	100.03%
Sewer Connection Loan Default	\$5,000			\$0	0.00%
Infrastructure Replacement	\$0			\$0	0.00%
Misc Capital Expenditures	\$0			\$0	0.00%
Total Expenses	\$21,120,290			\$18,840,640	89.21%

	FY19 Budget	Transfer /Adjustments	Revised budget	Expensed/ Received as of May 31	% Expended/ Collected
Revenues					
Industrial Pretreatment Fees	\$390,000			\$383,268	98.27%
Sewer Usage Fees	\$11,787,123			\$11,236,211	95.33%
Capital Account/Meters	\$5,000			\$3,451	69.02%
Energy Buyback Revenue	\$35,678			\$998	2.80%
Pretreatment Application Fees	\$6,000			\$6,200	103.33%
Sewer Service Charge	\$4,291,842			\$4,225,778	98.46%
Engineering Review Fees	\$6,600			\$8,100	122.73%
Sewer Assessment Fees	\$4,136,447			\$0	0.00%
Septage Dumping Fees	\$34,000			\$18,530	54.50%
Sewer Insurance	\$0			\$120,817	0.00%
Lease Income	\$41,100			\$47,000	114.36%
Pretreatment Fines	\$0			\$12,350	0.00%
Miscellaneous Income	\$4,000			\$1,572	39.30%
Sewer Connection Permits	\$45,000			\$41,100	91.33%
Reimburse - Grinder Pumps	\$25,000			\$34,329	137.32%
Sewer Tax Title Revenue	\$0			\$0	0.00%
Interest on Investments	\$6,000			\$2,333	38.88%
Interest Income	\$300,000			\$176,691	58.90%
SLA Administrative Fee	\$4,000			\$1,500	37.50%
SLA Inspection Fee	\$2,500			\$1,680	67.20%
Total Revenues	\$21,120,290			\$16,321,908	77.28%

NOTES:

1. **Depreciation expense** of approximately \$1.5 Million will be added by auditors when preparing the Sewer Fund balance sheet.
2. Current balance in **Renewal & Replacement Fund** is approximately \$1,098,000 (with an additional \$2,030,000 due from Fund 80 and \$159,000 due from billings).
3. **Debt Service Reserve Funds** (created with a portion of the proceeds from all revenue bond loans) currently totals \$5,800,000 to be used for final years of loan payments (starting in about 6 years).
4. There are other smaller Funds established and maintained for various purposes including Inflow & Infiltration Fund approximately (\$86,000), Sewer Line Agency Fund (revolving account for miscellaneous sewer line extensions paid for by private developers and property owners, about \$250,000).

WSA Construction Project Data Table as of 6-30-19.xlsx

PROJECT EXPENSES

Projects Included in \$33 Million Revenue Bond Authorization

Project Name	Design Expenditures	Land Acquisition	Construction Expenditures	Inspection Expenditures	Traffic Details Expense	Miscellaneous Expenditures	Administration	Expenditures to Date	RI Infrastructure Bank Payments
East Natick III (O'Donnell Hill)	\$55,246.71	\$36,201.00	\$641,100.14	\$62,327.50	\$0.00	\$13,098.00	\$41,400.00	\$849,373.35	\$824,613.35
Northwest Gorton Pond	\$283,628.33	\$0.00	\$0.00	\$0.00	\$1,427.43	\$1,800.00	\$0.00	\$286,855.76	\$0.00
Northwest Gorton Pond II	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,500.00	\$0.00	\$1,500.00	\$0.00
Governor Francis III	\$262,578.77	\$70,000.00	\$2,905,382.80	\$299,732.61	\$141,047.94	\$6,472.41	\$66,306.25	\$3,751,520.78	\$3,568,402.33
Bayside 86A-1 (Tidewater Interceptor)	\$11,511.25	N/A	\$302,841.88	\$26,793.73	\$1,105.19	\$0.00	\$0.00	\$342,252.05	\$330,740.80
Bayside 86B (Tidewater Interceptor and Lateral Pressure Sewers)	\$1,925,423.15	N/A	\$0.00	\$0.00	\$87,862.53	\$130,910.34	\$5,500.00	\$2,149,696.02	\$2,149,696.02

Projects Included in \$23 Million Revenue Bond Authorization

Project Name	Design Expenditures	Land Acquisition	Construction Expenditures	Inspection Expenditures	Traffic Details Expense	Miscellaneous Expenditures	Administration	Expenditures to Date	RI Infrastructure Bank Payments
AWT Phosphorus Upgrade	\$749,457.85	N/A	\$12,578,858.69	\$1,615,852.82	\$0.00	\$448,190.96	\$0.00	\$15,392,360.32	\$15,239,298.35
AWT Levee Improvement	\$147,312.96	N/A	\$4,563,962.91	\$411,796.10	\$0.00	\$0.00	\$0.00	\$4,975,758.71	\$0.00
Primary Clarifier Rebuild	\$42,243.44	N/A	\$227,845.00	\$69,619.62	\$0.00	\$30,485.15	\$0.00	\$370,193.21	\$370,193.21

Cost of Issuance and Debt Service Reserve for all borrowing: \$2,043,432.00
 Total Bond Authorization Utilized: \$24,526,376.06
 Total Bond Authorization Remaining (of \$56 Million): \$31,473,623.94

PROJECT STATUS

Projects Included in \$33 Million Revenue Bond Authorization

Project Name	Design Completion Date	Design Percent Complete	Design Certificate of Approval	Construction Certificate of Approval	Order of Approval	Construction Completion Date	Construction Percent Complete
East Natick III (O'Donnell Hill)	06/01/18	100%	N/A	5/16/16	N/A		
Northwest Gorton Pond I	Still Planning for 2019	85%	N/A				
Northwest Gorton Pond II	Planning for 2020	30%	N/A				
Governor Francis III	04/01/18	100%	8/4/2008	12/27/2016	9/19/2016		60%
Bayside 86A-1 (Tidewater Interceptor)	05/01/15	100%	5/16/2006	7/7/2015	7/7/2015	09/04/15	100%
Bayside 86B (Tidewater Interceptor and Lateral Pressure Sewers)	Still Planning for 2019	60%	5/16/2006				

Projects Included in \$23 Million Revenue Bond Authorization

Project Name	Design Completion Date	Design Percent Complete	Design Certificate of Approval	Construction Certificate of Approval	Order of Approval	Construction Completion Date	Construction Percent Complete
AWT Phosphorus Upgrade	12/31/13	100%	N/A	3/14/2014	4/3/2013	03/30/17	100%
AWT Levee Improvement	12/31/13	100%	N/A	3/14/2014	4/3/2013	08/30/17	100%
Primary Clarifier Rebuild	12/01/16	100%	N/A	3/7/2017	N/A		98%



Gordon R. Archibald, Inc.
Civil and Environmental Engineers

June 21, 2019

PROGRESS REPORT
GOVERNOR FRANCIS PHASE III

Summary of Work:

1. C.B. Utility completed installation of the sewer main and service connections.
2. GRA continued preparation of the sewer as-built plans.
3. Project Budget is attached.
4. Plan indicating completed work is attached.
5. Contractor's Construction Schedule is attached.
6. Pump Station is under fabrication.

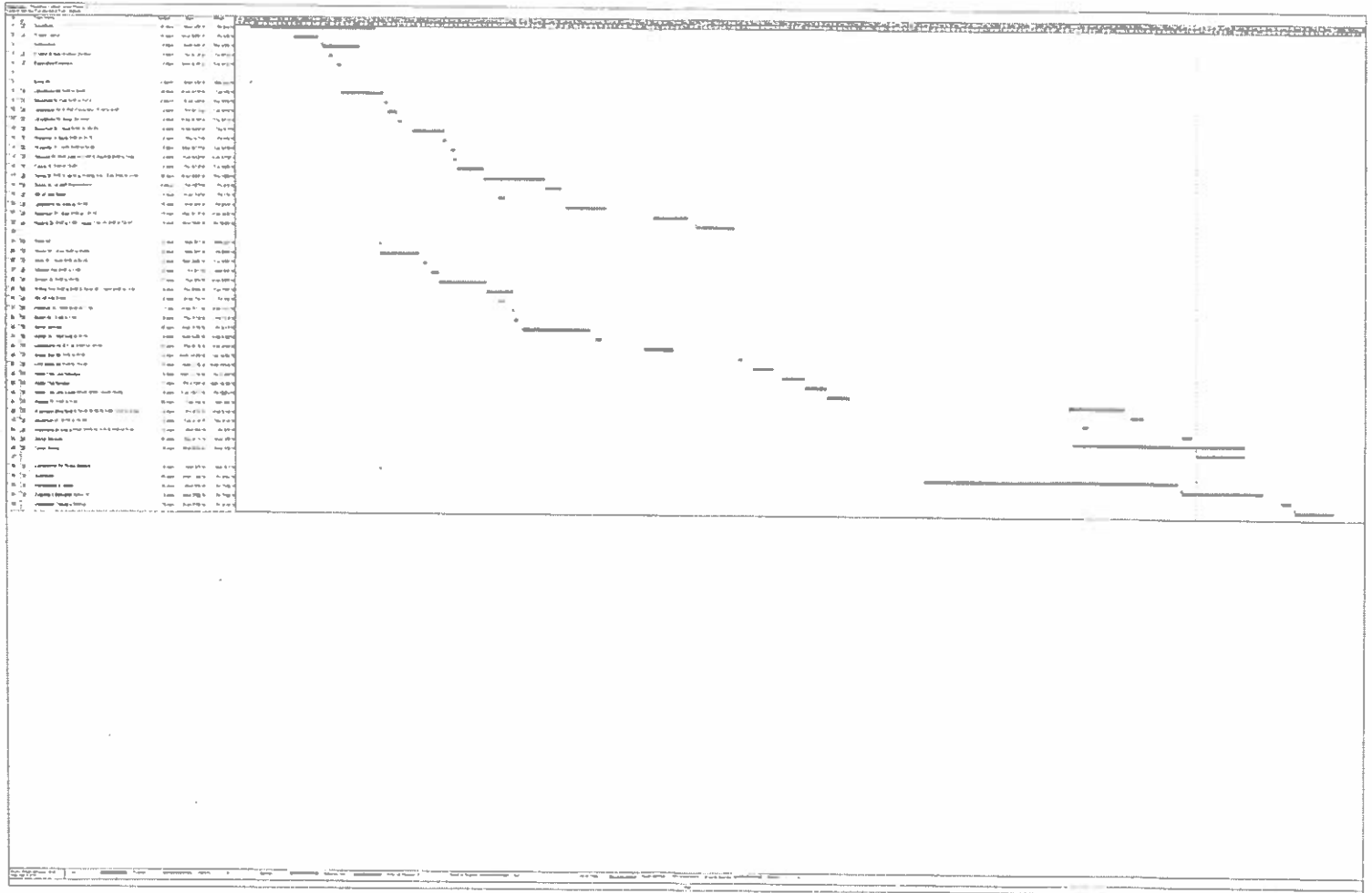
Summary of Major Quantities / Completion (Period Ending May 31, 2019)

ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT	PREVIOUS QUANTITY	MONTHLY QUANTITY	QUANTITY TO DATE	PERCENT COMPLETE
6" PVC Service Connections	6,000.00	Linear Foot	4760	283.00	5,043	84.05%
8" PVC Gravity Sewer	15155	Linear Foot	14981	1,112.00	16,093	106.19%
12" PVC Gravity Sewer	520.00	Linear Foot	461	-	461	88.65%
6" PVC Force Main	2,125.00	Linear Foot	2116	-	2,116	99.58%
6" Ductile Iron Force Main	225.00	Linear Foot	0	-	-	0.00%
8" x 6" PVC Y-Branch	259.00	Each	222	14.00	236	91.12%
12" x 6" PVC Y-Branch	6.00	Each	7	-	7	116.67%
Precast Concrete Manholes	70.00	Each	72	5.00	77	110.00%

CONTRACT NO. 2020-01-001
WATER MAINS REPLACEMENT PROJECT - PHASE 1
CONTRACT NO. 2020-01-001
WATER MAINS REPLACEMENT PROJECT - PHASE 1
CONTRACT NO. 2020-01-001

ITEM	DESCRIPTION	UNIT	QUANTITY	CONTRACT PRICE	TOTAL CONTRACT	QTY THIS PERIOD	PREVIOUS PERIOD	QUANTITY TO DATE	PERCENT COMPLETE	SCHEDULED TO DATE	OVER/UNDER AMOUNT	ESTIMATED FINAL COST	Comments
1	SITE PREPARATION	L.S.	1.00	\$300,000.00	\$300,000.00	0.00	0.00	0.00	0.00%	\$20,000.00	\$20,000.00	\$300,000.00	
2	ROCK REMOVAL	C.Y.	100.00	100.00	\$100,000.00	0.00	130.41	130.41	130.41%	\$13,041.00	\$13,041.00	\$113,959.00	
3	MISC. UTIL. EX. W. A. L.P.P.	C.Y.	250.00	60.00	\$15,000.00	0.00	397.21	397.21	158.88%	\$23,832.00	\$23,832.00	\$18,168.00	
4	EXCAVATION BELOW GRADE	C.Y.	150.00	10.00	\$1,500.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,500.00	
5	ADDITIONAL MANHOLE	C.Y.	150.00	12.00	\$1,800.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,800.00	
6	VALVE CHAMBER	CH.	150.00	1.00	\$150,000.00	0.00	11,500.00	11,500.00	76.67%	\$11,500.00	\$1,500.00	\$12,000.00	
7	ADDITIONAL GRAVEL BORROW	C.Y.	400.00	17.00	\$6,800.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$6,800.00	
8	6-INCH PVC SERVICE CONNECTIONS	L.F.	6,500.00	65.00	\$422,500.00	253.00	4,760.00	5,013.00	77.11%	\$375,905.00	\$27,595.00	\$390,000.00	
9	6-INCH HDPE SERVICE CONNECTIONS	L.F.	750.00	70.00	\$52,500.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$52,500.00	
10	6-INCH PVC GRAVEL SERVICE PIPES	L.F.	15,150.00	70.00	\$1,060,500.00	1,112.00	14,038.00	15,050.00	106.19%	\$1,125,510.00	(\$65,010.00)	\$1,060,500.00	
11	6-INCH HDPE GRAVEL SERVICE PIPES	L.F.	400.00	75.00	\$30,000.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$30,000.00	
12	12-INCH PVC GRAVEL SERVICE PIPES	L.F.	520.00	150.00	\$78,000.00	0.00	461.00	461.00	88.65%	\$39,070.00	\$38,930.00	\$78,000.00	
13	6-INCH PVC TIGHT MAIN	L.F.	2,125.00	40.00	\$85,000.00	0.00	2,106.00	2,106.00	99.15%	\$165,300.00	\$80,300.00	\$110,000.00	
14	6-INCH HDPE TIGHT MAIN	L.F.	225.00	50.00	\$11,250.00	0.00	0.00	0.00	0.00%	\$0.00	\$11,250.00	\$11,250.00	
15	3-INCH PVC BRANCH	L.V.	250.00	60.00	\$15,000.00	14.00	227.00	276.00	91.12%	\$11,000.00	\$4,000.00	\$11,000.00	
16	3-INCH HDPE BRANCH	L.V.	5.00	30.00	\$1,500.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,500.00	
16A	12-INCH PVC Y-BRANCH	L.V.	6.00	170.00	\$1,020.00	0.00	2.00	2.00	33.33%	\$130.00	(\$88.00)	\$1,020.00	
17	6-INCH CHAMBERS	C.Y.	125.00	110.00	\$13,750.00	0.00	142.00	142.00	113.60%	\$15,200.00	\$1,450.00	\$15,200.00	
18	PRECAST CONCRETE SERVICE MANHOLES	L.V.	70.00	2,000.00	\$140,000.00	0.00	72.00	72.00	102.86%	\$272,200.00	(\$132,200.00)	\$140,000.00	
19	PRECAST CONCRETE SERVICE MANHOLES	L.V.	3.00	2,500.00	\$7,500.00	0.00	3.00	3.00	100.00%	\$21,600.00	\$14,100.00	\$7,500.00	
20	DROP CONNECTION - STEEL	L.V.	3.00	1,500.00	\$4,500.00	0.00	0.00	0.00	0.00%	\$17,000.00	(\$12,500.00)	\$4,500.00	
21	DROP CONNECTION - STEEL	L.V.	0.00	0.00	\$0.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$0.00	
22	PRECAST CONCRETE SERVICE MANHOLES	L.V.	70.00	2,000.00	\$140,000.00	0.00	0.00	0.00	0.00%	\$0.00	\$14,000.00	\$140,000.00	
23	6-INCH HDPE SERVICE PIPES	L.F.	2,600.00	21.00	\$54,600.00	0.00	21,420.00	21,420.00	82.38%	\$450,000.00	(\$395,400.00)	\$54,600.00	
24	12-INCH HDPE SERVICE PIPES	L.F.	8,000.00	52.00	\$416,000.00	0.00	0.00	0.00	0.00%	\$0.00	\$416,000.00	\$416,000.00	
25	PERMANENT PAVEMENT PATCH	SQ. YD.	855.00	150.00	\$128,250.00	0.00	216.37	216.37	25.31%	\$12,825.16	\$67,911.84	\$128,250.00	
26	12-INCH HDPE SERVICE PIPES	L.F.	400.00	15.00	\$6,000.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$6,000.00	
27	6-INCH HDPE SERVICE PIPES	L.F.	2,000.00	3.00	\$6,000.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$6,000.00	
28	SAVING ROOMS CONCRETE DRIVEWAYS	C.Y.	150.00	100.00	\$15,000.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$15,000.00	
29	MISC. UTIL. EX. W. A. L.P.P.	C.Y.	150.00	10.00	\$1,500.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,500.00	
30	6-INCH HDPE SERVICE PIPES	L.F.	3,000.00	8.00	\$24,000.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$24,000.00	
31	6-INCH HDPE SERVICE PIPES	L.F.	400.00	8.00	\$3,200.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$3,200.00	
32	6-INCH HDPE SERVICE PIPES	L.F.	70.00	80.00	\$5,600.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$5,600.00	
33	6-INCH HDPE SERVICE PIPES	L.F.	100.00	5.00	\$500.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$500.00	
34	6-INCH HDPE SERVICE PIPES	L.F.	10.00	4,000.00	\$40,000.00	0.00	6.50	6.50	65.00%	\$26,000.00	\$14,000.00	\$40,000.00	
35	6-INCH HDPE SERVICE PIPES	L.F.	200.00	16.00	\$3,200.00	0.00	54.00	54.00	27.00%	\$5,600.00	(\$2,400.00)	\$3,200.00	
36	6-INCH HDPE SERVICE PIPES	L.F.	10.00	30.00	\$300.00	0.00	6.50	6.50	65.00%	\$1,950.00	(\$1,650.00)	\$300.00	
37	6-INCH HDPE SERVICE PIPES	L.F.	200.00	60.00	\$12,000.00	21.00	605.00	705.00	352.50%	\$14,500.00	(\$2,500.00)	\$12,000.00	
38	6-INCH HDPE SERVICE PIPES	L.F.	50.00	25.00	\$1,250.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,250.00	
39	6-INCH HDPE SERVICE PIPES	L.F.	50.00	25.00	\$1,250.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,250.00	
40	6-INCH HDPE SERVICE PIPES	L.F.	50.00	25.00	\$1,250.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,250.00	
41	6-INCH HDPE SERVICE PIPES	L.F.	50.00	25.00	\$1,250.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,250.00	
42	6-INCH HDPE SERVICE PIPES	L.F.	50.00	25.00	\$1,250.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,250.00	
43	6-INCH HDPE SERVICE PIPES	L.F.	20.00	50.00	\$1,000.00	0.00	0.00	0.00	0.00%	\$0.00	\$0.00	\$1,000.00	
44	6-INCH HDPE SERVICE PIPES	L.F.	400.00	70.00	\$28,000.00	0.00	205.00	205.00	51.25%	\$11,200.00	(\$16,800.00)	\$28,000.00	
45	6-INCH HDPE SERVICE PIPES	L.F.	4.00	2,500.00	\$10,000.00	0.00	15.00	15.00	37.50%	\$75,000.00	(\$65,000.00)	\$10,000.00	
46	6-INCH HDPE SERVICE PIPES	L.F.	16.00	1,400.00	\$22,400.00	11.00	11.00	11.00	68.75%	\$15,400.00	(\$7,000.00)	\$22,400.00	
47	6-INCH HDPE SERVICE PIPES	L.F.	16.00	1,400.00	\$22,400.00	11.00	11.00	11.00	68.75%	\$15,400.00	(\$7,000.00)	\$22,400.00	
48	6-INCH HDPE SERVICE PIPES	L.F.	16.00	1,400.00	\$22,400.00	11.00	11.00	11.00	68.75%	\$15,400.00	(\$7,000.00)	\$22,400.00	
49	6-INCH HDPE SERVICE PIPES	L.F.	16.00	1,400.00	\$22,400.00	11.00	11.00	11.00	68.75%	\$15,400.00	(\$7,000.00)	\$22,400.00	
50	6-INCH HDPE SERVICE PIPES	L.F.	16.00	1,400.00	\$22,400.00	11.00	11.00	11.00	68.75%	\$15,400.00	(\$7,000.00)	\$22,400.00	
51	6-INCH HDPE SERVICE PIPES	L.F.	16.00	1,400.00	\$22,400.00	11.00	11.00	11.00	68.75%	\$15,400.00	(\$7,000.00)	\$22,400.00	

57	DAPPING STAKE AND MATERIALS	EA	100	5.00000	\$10.00000	0.000	0.000	0.000	0.000	\$0.00	\$10.00000	\$0.00
58	PILE BERTH PANTS	EA	100	12.00000	\$1,200.000	0.000	0.000	0.000	0.000	\$0.00	\$1,200.000	\$0.00
59	PILE BERTH PILE	EA	0.00	0.000	\$0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.000	\$0.00
60	SCALE COMPACTON FEELS (ALLOWANCE)	LS	1.00	10.00000	\$10.00000	0.000	0.000	0.000	0.000	\$0.00	\$10.00000	\$0.00
61	MISCELLANEOUS UTILITY WORK (ALLOWANCE)	LS	1.00	100.00000	\$100.00000	0.000	0.000	0.000	0.000	\$0.00	\$100.00000	\$0.00
62	CONSTRUCTION ROADWAYS	EA	100.000	0.000	\$0.00000	0.000	400.000	0.000	0.000	\$0.00	\$0.00000	\$0.00
63	TRAFFIC BARRELS 2' X 2' X 6" (11 FT C' HIGH)	EA	6000	1.00000	\$6,000.000	0.000	15.000	0.000	0.000	\$0.00	\$6,000.000	\$0.00
64	TRAFFIC BARRELS	EA	10000	1.00000	\$10,000.000	0.000	0.000	0.000	0.000	\$0.00	\$10,000.000	\$0.00
65	PILE BERTH PROTECTION BY SNSA	EA	0.00	0.000	\$0.000	0.000	0.000	0.000	0.000	\$0.00	\$0.000	\$0.00
66	PILE BERTH AND PILE	EA	200	6.00000	\$1,200.000	0.000	0.000	0.000	0.000	\$0.00	\$1,200.000	\$0.00
67	PILE TRIMMING (ALLOWANCE)	LS	1.00	15.00000	\$15.00000	0.000	0.000	0.000	0.000	\$0.00	\$15.00000	\$0.00
68	PUMPING STATION ELECTRICAL POWER (ALLOWANCE)	LS	1.00	72.00000	\$72.00000	0.000	0.000	0.000	0.000	\$0.00	\$72.00000	\$0.00
69	PUMPING STATION ELECTRICAL EMERGENCY POWER	LS	1.00	870.00000	\$870.00000	0.000	0.120	0.000	0.000	\$0.00	\$870.00000	\$0.00
70	PUMP STATION BORING	LS	1.00	1.00000	\$1.00000	0.000	0.000	0.000	0.000	\$0.00	\$1.00000	\$0.00
71	PUMPING STATION PUMP/CAPI	LS	1.00	10.00000	\$10.00000	0.000	0.000	0.000	0.000	\$0.00	\$10.00000	\$0.00
72	PUMPING STATION PUMP/WATERING (ALLOWANCE)	LS	1.00	27.00000	\$27.00000	0.000	0.000	0.000	0.000	\$0.00	\$27.00000	\$0.00
Completed to Date										\$2,903,582.47		
Total Bid Items Cost											\$4,830,559.00	
Change Order 1 Rock Excavation											\$	271,028.41
Diesel & Asphalt Price Escalation Adjustment												\$92,811.21
Total Estimate Construction Cost											\$5,194,398.62	
Bid Price											\$	4,995,180.00
Over/Under Bid Price												\$199,218.62



Board Update Report
O'Donnell Hill Sewer Project
as of June, 25 2019

- Since the May Board meeting there have only been 2 inquires from property owners within the project area requesting information on what the final assessment will be. The response was that if the project remains on schedule and no major obstacles are encountered the final assessment would likely be closer to the initial estimate of \$17,500.
- WSA continues to work with the City's Tree Warden to coordinate the trimming of trees in the project area that would impact construction and result in damaged trees if not properly trimmed. The trimming of identified trees will be performed by applicable DPW staff. There is one (1) tree within the project area that will be cut down by an outside vendor. City's Tree Warden to trim several trees along Adelaide Ave that were impacting construction activities.
- As mentioned in last month's report WSA staff attempted to clean a City drain line running from Adelaide through private property to Levesque to support ongoing construction activities. Because of the condition of the drainage pipe and uncertainty of the pipe direction the cleaning was suspended. We meet with a City engineer and learned that this was actually a drainage dry well which needed to be repaired. A sink hole on private property developed and was plated by D'Ambra and remains plated. After communicating with the City D'Ambra will perform the required repair as soon as they can free up a back hoe to perform the necessary excavation.
- We have been working with the owner of 50 Levesque with regard to his sewer connection. This property is located where the connection could be made by gravity of via an Eone pump with gravity being the more expensive option because of the possible impact of ledge. WSA, Garofalo, and D'Ambra has met with this home owner and he has decided to work with D'Ambra at his expense to attempt to install a gravity connection.
- A request for an extension will be forthcoming which is necessary due to the five (5) Weeks D'Ambra was redirected to perform the emergency sewer line repair on Sandy Lane during November/December 2018.
- Due to a malfunction of a laser instrument used to provide pipe elevations approximately 125 feet of eight (8) inch pipe had to be removed/reinstalled. Approximately 50 feet was removed and reinstalled at the correct elevation and 75 feet was reinstalled 8.25 feet above the existing pipe. This work was done at no cost to the WSA and will lessen required ledge removal.
- The contract price is \$1,886,151.76 and to date \$780,396.25 has been expended which reflects 41.38% of the contract.
- Lateral and mainline construction continues to be in full swing and currently the anticipated ledge is slowing down construction but the project continues to be on schedule. Total construction activities to date are as follows;

- Removed 410 cubic yards of ledge.
- Installed 560 linear feet of 6" SDR-35 pipe (36 Laterals)
- Installed 3195 linear Feet of 8" sdr-35
- Installed 17 sewer manholes
- 2,576 linear feet of patch.



PROGRESS REPORT
SANITARY SEWER IMPROVEMENTS – NORTHWEST GORTON POND

DATE MAY 18, 2019
PROJECT NUMBER 6342.01
INVOICE NUMBER

PROFESSIONAL SERVICES FROM APRIL 21, 2019 TO MAY 18, 2019

PROJECT SUMMARY:

FINAL DESIGN – PLAN PREPARATION - Completed

FINAL DESIGN – SPECS & QUANTITIES - Completed
Completed this Period.

FINAL DESIGN – PUMP STATION & FORCE MAIN PLANS - Completed
Completed this Period.

FINAL DESIGN REIMBURSABLES

CONTRACT AMENDMENT #4

FILE REVIEW AND PROJECT RESTART - Completed

LAND SURVEYS – Completed

AERIAL MAPPING - Completed

PLAN PREPARATION OF COLLECTION SYSTEM - Completed

CONTRACT SPECS, QUANTITIES & ESTIMATE - Completed

(2) PUMP STATION AND FORCE MAIN DESIGN PLANS / DETAILS - Completed

CONTRACT AMENDMENT #5

WETLANDS FLAGGING AND FIELD SURVEY – No Work This Period.

REDESIGN OF PUMP STATIONS – No Work This Period

PERMITTING – No Work This Period

RIGHT OF WAY PLANS AND EASEMENTS – No Work This Period

CONSTRUCTION BIDDING SERVICES – No Work this Period



Gordon R. Archibald, Inc.
Civil and Environmental Engineers

June 21, 2019

PROGRESS REPORT
BAYSIDE SEWERS PROJECT

Work this Period:

1. GRA received comment from RIDEM on the Order of Approval. GRA began reviewing and responding to comments. Resubmission has been held based on potential design changes including utilizing directional drilling for all service connections.
2. GRA continued preparation of the Certificate of Approval. The application will be submitted upon receipt of the RIDEM Order of Approval.
3. Final Bid Documents are being reviewed by Sub-consultant Stantec.
4. The Property Access Agreement is under review by the WSA's legal counsel.
5. The pre-qualification documents were received and are under review.
6. GRA prepared a workflow chart and construction estimates to summarize design requirements and funding decisions to complete project for bidding.

