

WARWICK SEWER AUTHORITY
Quarterly Report to City Council
April 10, 2017

WSA Budget

See attached line item budget report for FY17 to date as of February 28th (approximately 67% of fiscal year complete). In summary:

- o Revenues -- \$15,885,857 (74.1%)
- o Expenses -- \$15,953,206 (74.4%)

The WSA Finance Committee has begun reviewing the draft FY18 budget. WSA's Rate consultant has started the annual review of WSA's budget, especially projected revenues. The five-year rate study approved last year includes an increase in FY18 of the Renewal & Replacement charge to fund capital infrastructure improvement projects. Additional committee/Board review and public hearings on the proposed budget are being scheduled.

Major WSA Board Actions in Last Quarter

The WSA Board of Directors met twice in January. A special meeting was held on January 17th to award the time-sensitive bid for Contract 95 (primary clarifier rehabilitation) to low-bidder Hart Engineering Corporation (Cumberland, RI) in the amount of \$121,000. The Board held its regular business meeting on January 26th, welcoming new Board member Tina Moretti. At that meeting, the Board approved a no-cost contract extension for levee contractor DiGregorio Corporation due to winter weather conditions. The substantial completion date for the project was extended to March 31st. The Board also approved an administrative abatement policy for sewer usage bills allowing the Executive Director to approve abatements under \$1,000, with bill adjustments to be done after Board consent.

In February, the Board approved a contract amendment with Pare Corporation for extended construction inspections and administrative services related to the levee improvements (not to exceed \$32,000). The Board also approved a contract amendment with Gordon R. Archibald, Inc. for construction-phase engineering services for the Governor Francis Farms Phase III sewer project in the amount of \$423,175.33 based on about 60 weeks of construction. The Board also approved several large purchases including: gasoline and diesel fuel from Roberts Energy LLC (based on City bid results); a new replacement pump for the Cedar Swamp pumping station (\$25,671 from Diversified Pump); and odor and corrosion control chemicals/services for the Cedar Swamp sewershed (\$16,350 from Bison Environmental).

In March, the Board approved an additional two week extension for levee contractor DiGregorio with more delays due to weather conditions with the stipulation that WSA reserves the right to charge liquidated damages back to the previously approved March 31st deadline if the new deadline is not met. The Board voted to extend the contracts and pricing on five (5) treatment facility chemicals. The Board also approved the purchase of two (2) new internal recycle pumps (\$62,070 from Carlsen Systems, LLC) and a high-sensitivity hydrogen sulfide detection meter

(\$15,485 from Arizona Instrument LLC), both of which to be funded by WSA's capital improvement plan budget.

Treatment Facility Operations and Maintenance

Flows to the treatment facility remain fairly steady, averaging about 4.5 million gallons per day (versus plant capacity of 7.7 mgd). There were no permit violations in the last quarter and removal efficiencies for primary pollutants (suspended solids and biological oxygen demand) were 98.4% and 99.4% respectively for February.

Upgrades to the primary treatment process (installation of new mechanical solids removal equipment) are well underway by contractor Hart Engineering. The project is expected to be completed quickly in order to avoid impacts on the treatment process and WSA's compliance with seasonal nitrogen limits. Final completion deadline per the contract is August 1st.

Contract 91 (Treatment Facility Construction)

The new ACTIFLO® phosphorus removal system has been meeting the new permit limit of 0.1 milligrams per liter) for about a week as of the time of this report. Commissioning and performance testing activities continue, as well as fine-tuning of operations and chemical dosages.

The most recent progress report from AECOM has been included with this report.

Contract 91A (Levee Improvements)

The most recent progress report from PARE Corporation has been included with this report. The WSA did receive a final grant project deadline extension to June 30, 2017. Substantial completion is expected in April.

CONTRACT 91/91A EXPENSE SUMMARY (as of March 31, 2017)						
Contractor	Original Contract Amount	Change Orders or Amendments	Total Contract Amount	Amount Paid to Date	%	Contract Amount Remaining
AECOM	\$ 1,803,900.00	\$ 79,865.00	\$ 1,883,765.00	\$ 1,719,676.24	91.3%	\$ 164,088.76
PARE	\$ 78,810.00	\$ 228,900.00	\$ 275,710.00	\$ 258,383.13	84.0%	\$ 49,326.87
Hart	\$14,479,000.00	\$ 784,655.17	\$15,263,655.17	\$14,644,046.28	95.9%	\$ 619,609.89
DeGregorio	\$ 2,465,460.00	\$ -	\$ 2,465,460.00	\$ 1,638,165.88	66.1%	\$836,294.12

Change Order No.	Date	Amount	Reason
1	10/23/2014	\$ 4,051.00	Raise drainage structure in levee for maintenance/access
2	11/20/2014	\$ 21,919.20	Additional clearing of area adjacent to Route 95 to facilitate levee maintenance
3	10/23/2014	\$ 22,247.07	Add drainage to north side of Animal Shelter
4	2/26/2015	\$(530,639.15)	Adjustments to Bid Item No. 8 for floodwall installation
6	12/18/2014	\$13,198.87	Modifications to sludge grinder pump piping
7	2/26/2015	\$ 911.05	Increase grating area
8	3/26/2015	\$ (35,332.07)	Junction chamber relocation/reconfiguration
10	7/23/2015	\$ 29,151.29	Fiber optic line reroute
11	6/18/2015	\$ 40,100.20	PCB removal work
12	5/20/2015	\$ 3,472.42	Upgraded grinder pump
13	11/19/2015	\$ 58,240.18	Phosphorus analyzers
14	6/18/2015	\$ 61,547.41	New frac tank for sludge storage
15	7/23/2015	\$ 39,576.68	Pre-stressed concrete cylinder pipe
16	9/17/2015	\$ 4,819.68	Extend low pressure scum line
17	10/22/2015	\$ 59,433.79	Clarifier concrete repairs
18	11/19/2015	\$ 9,771.27	Center clarifier electrical work
19	10/22/2015	\$ 14,643.07	Hydrocone modifications
22	11/5/2015	\$(357,276.00)	Credit for levee work
26	11/5/2015	\$ 644,375.00	Phase I levee construction
27	11/5/2015	\$ 635,850.00	Phase II levee construction
31	4/28/2016	\$ -	TIME EXTENSION -- substantial completion to June 30, 2016
32	<i>pending</i>		Seal water piping for propellor pumps
35	6/23/2016	\$ -	TIME EXTENSION -- substantial completion to October 31, 2016
36	9/22/2016	\$ 35,100.00	Install new mixer supplied by Kruger
37	8/25/2016	\$ 911.05	Additional signage
39	7/28/2016	\$ 8,583.16	Relocate drainage swale for Phase II levee
41	10/27/2016	\$ -	TIME EXTENSION--substantial completion to December 31, 2016
42	12/15/2016	\$ -	TIME EXTENSION -- substantial completion to March 31, 2017
Total Change Orders:		\$ 784,655.17	

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

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) – Engineering design continues to advance. The most recent progress report has been included with this report.

Bayside (Contracts 86A & B) – The most recent progress report has been included with this report. The engineer, GRA, has begun compiling information about service connection locations to be included in the plans. Additional archaeological work for final design is expected to begin in June.

See attached Construction Project Data Table for a summary of information related to projects with revenue bond funding authorization.

Warwick Sewer Authority FY17 Budget Report

Fund 80 - Sewer Operations, Maintenance, and Administration

As of February 28, 2017 (67% of fiscal year complete)

	FY17 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of February 28	% Expended/ Collected
Personnel					
Sick Time & Other Leave	\$0		\$0	\$21,331	0.00%
Salaries	\$2,209,822		\$2,209,822	\$1,086,699	49.18%
Overtime	\$65,000		\$65,000	\$65,035	100.05%
Overtime Storm/Snow	\$10,000		\$10,000	\$5,602	56.02%
Easement Overtime	\$20,000		\$20,000	\$8,905	44.53%
Temporary Services	\$7,000		\$7,000	\$5,179	73.99%
Fringe Benefits	\$950,804		\$950,804	\$494,369	51.99%
Commodities					
Office Supplies & Equipment	\$11,800		\$11,800	\$5,975	50.64%
Print, Bind & Reproduction	\$18,200		\$18,200	\$6,872	37.76%
Advertising	\$3,500		\$3,500	\$0	0.00%
Postage	\$35,000		\$35,000	\$12,393	35.41%
Laboratory Supplies	\$22,500		\$22,500	\$9,790	43.51%
Gasoline	\$50,000		\$50,000	\$19,519	39.04%
Natural Gas	\$44,000		\$44,000	\$29,449	66.93%
Electricity	\$600,000		\$600,000	\$412,823	68.80%
Supplies - Safety Equipment	\$6,500		\$6,500	\$2,383	36.66%
Chemicals - Polymer	\$120,000		\$120,000	\$46,841	39.03%
Chemicals - Chlorine	\$54,000		\$54,000	\$28,834	53.40%
Chemicals - Dechlor	\$39,000		\$39,000	\$15,055	38.60%
Chemicals - Odor Control	\$207,000		\$207,000	\$78,932	38.13%
Chemicals - Alum	\$86,000		\$86,000	\$33,354	38.78%
Chemicals - Caustic	\$169,000		\$169,000	\$77,131	45.64%

	FY17 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of February 28	% Expended/ Collected
Clothing	\$8,000		\$8,000	\$5,985	74.81%
Maintenance Materials	\$100,000		\$100,000	\$56,878	56.88%
Small Tools	\$3,000		\$3,000	\$1,903	63.43%
Deduct Meters	\$5,000		\$5,000	\$1,112	22.24%
Grinder Pumps	\$100,000		\$100,000	\$50,295	50.30%
Easement Maintenance	\$7,500		\$7,500	\$4,392	58.56%
Services					
Travel	\$500		\$500	\$211	42.20%
Training & Education	\$7,500		\$7,500	\$11,136	148.48%
Telephone	\$22,000		\$22,000	\$10,982	49.92%
Water Usage	\$8,000		\$8,000	\$9,059	113.24%
Equipment Repair	\$80,000		\$80,000	\$38,522	48.15%
Tax Sale	\$25,000		\$25,000	\$0	0.00%
Insurance	\$210,358		\$210,358	\$105,179	50.00%
Auto Maintenance	\$22,000		\$22,000	\$15,784	71.75%
Service Contracts	\$83,945		\$83,945	\$52,409	62.43%
Insured Accidents	\$0		\$0	\$5,731	0.00%
Professional Services	\$84,000		\$84,000	\$25,757	30.66%
Construction Services	\$135,000		\$135,000	\$102,628	76.02%
Sludge Removal	\$955,200		\$955,200	\$499,344	52.28%
Administration	\$114,158		\$114,158	\$45,936	40.24%
DEM - User Fees & Permits	\$3,370		\$3,370	\$370	10.98%
Testing & Lab Samples	\$46,400		\$46,400	\$22,251	47.95%
Engineering Services	\$80,000		\$80,000	\$82,894	103.62%
Sewer Connection Grants	\$41,100		\$41,100	\$0	0.00%
Public Outreach	\$4,000		\$4,000	\$85	2.13%
Services - Other	\$49,800		\$49,800	\$17,017	34.17%
Other Expenditures					
West Warwick WWT F	\$47,000		\$47,000	\$10,791	22.96%

	FY17 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of February 28	% Expended/ Collected
Debt Service					
Paying Agent Fees	\$12,600		\$12,600	\$6,500	51.59%
Renew & Replacement	\$10,000		\$10,000	\$0	0.00%
Debt Service	\$10,735,384	\$456,000	\$11,191,384	\$11,011,384	98.39%
Debt Interest	\$2,276,232		\$2,276,232	\$1,166,450	51.24%
Sewer Connection Loan Default	\$5,000		\$5,000	\$0	0.00%
Infrastructure Replacement	\$884,945	(\$456,000)	\$428,945	\$0	0.00%
Misc Capital Expenditures	\$550,000		\$550,000	\$125,750	22.86%
Total Expenses	\$21,446,118		\$21,446,118	\$15,953,206	74.39%

	FY17 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of February 28	% Expended/ Collected
Revenues					
Industrial Pretreatment Fees	\$359,000		\$359,000	\$108,929	30.34%
Sewer Usage Fees	\$11,887,691		\$11,887,691	\$9,480,496	79.75%
Capital Account/Meters	\$5,000		\$5,000	\$1,578	31.56%
Energy Buyback Revenue	\$18,000		\$18,000	\$1,324	7.36%
Pretreatment Application Fees	\$6,000		\$6,000	\$6,375	106.25%
Sewer Service Charge	\$4,074,127		\$4,074,127	\$3,033,595	74.46%
Engineering Review Fees	\$6,600		\$6,600	\$6,000	90.91%
Sewer Assessment Fees	\$4,720,000		\$4,720,000	\$2,947,716	62.45%
Septage Dumping Fees	\$44,000		\$44,000	\$15,360	34.91%
Sewer Insurance	\$8,400		\$8,400	\$9,703	115.51%
Lease Income	\$41,100		\$41,100	\$41,100	100.00%
Pretreatment Fines	\$0		\$0	\$1,550	0.00%
Miscellaneous Income	\$4,000		\$4,000	\$3,115	77.88%
Sewer Connection Permits	\$37,500		\$37,500	\$24,475	65.27%
Reimburse - Grinder Pumps	\$32,000		\$32,000	\$12,328	38.53%
Sewer Tax Title Revenue	\$25,000		\$25,000	\$0	0.00%
Interest on Investments	\$1,200		\$1,200	\$920	76.67%
Interest Income	\$175,000		\$175,000	\$190,182	108.68%
SLA Administrative Fee	\$500		\$500	\$400	80.00%
SLA Inspection Fee	\$1,000		\$1,000	\$711	71.10%
Total Revenues	\$21,446,118		\$21,446,118	\$15,885,857	74.07%

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 \$334,000 (with an additional \$2,000,000 due from Fund 80).
3. **Debt Service Reserve Funds** (created with a portion of the proceeds from all revenue bond loans) currently totals \$3,200,000 to be used for final years of loan payments (starting in about 10 years).
4. There are other smaller Funds established and maintained for various purposes including Inflow & Infiltration Fund approximately (\$165,000), Sewer Line Agency Fund (revolving account for miscellaneous sewer line extensions paid for by private developers and property owners, about \$250,000).

**WARWICK SEWER AUTHORITY
 CONTRACT 91: PHOSPHORUS REMOVAL UPGRADE / FLOOD
 CONTROL AND MITIGATION
 FEBRUARY/MARCH 2017 PROGRESS REPORT
 March 24, 2017**

This Progress Report summarizes activity between February 17, 2017 and March 24, 2017 on Contract 91: Phosphorus Removal Upgrade/Flood Control & Mitigation Project, and provides a look ahead.

Progress

- Construction is complete
- Performance testing started

Look Ahead

- Continuation of punch/incomplete work items
- Sampling program action items
- Continuation of performance testing

Progress Items

No.	Item	Task For	Status
1	Administrative		
	Time extension, substantial completion and close out paperwork	AECOM, Hart, WSA	Ongoing
	Record drawings	AECOM, Hart	Drafting continuing for those submitted; edits in process. Electrical from FREA and some Hart drawings incomplete; awaiting resubmittal
	O&M Manual	AECOM	Draft submitted on 2-13-17. WSA review underway
2	Construction		
	Punch list/Warranty Items	Hart, AECOM	Ongoing
3	Startup, Troubleshooting and Testing		
	Troubleshooting startup issues	Kruger	Complete January 2017
	Startup of mixer and small polymer pump	Hart/WSA	Completed and considered effective; observation continues
	Provide two additional polymer pumps	Kruger	Ongoing assessment of provided poly pump; awaiting low flow for check-out

Phosphorus Removal/Flood Control and Mitigation
Warwick Sewer Authority

	Process adjustments; monitoring enhancements	WSA staff/AECOM	Ongoing. ORP probes relocated, RAS pump flow control completed week of 2/13, historian complete, data collection and observation ongoing. Adjustments to process control including flow splitting and ORP observation and control appear to be improving operations. Looking at other improvements.
	Performance testing	Hart, Kruger, AECOM	Initiated March 16 with system startup, alum pump calibration, pump control adjustments, and instrumentation checkout. Started performance testing Tuesday, March 21.

Warwick Wastewater Treatment Plant Levee Project
Warwick, Rhode Island
Pare Project No. 15069.00

Project Progress Update No. 22
Submitted March 27, 2017

PHASE III LEVEE PROJECT: CONSTRUCTION PHASE

The following activities have occurred since the last report:

Please refer to the daily field summaries for more detailed description of the work completed.

- Coordinated with DiGregorio regarding schedule and re-mobilization
- Received, reviewed, and processed project submittals
- Pare provided part and full-time Construction Observation February 27th through March 24th
- Reviewed DiGregorio's request for a two-week schedule extension (March 31st to April 14th)
- Pare observed the following activities by DiGregorio Corporation (DC):

February 27, 2017

- DC placed compacted lifts of on-site fill and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 16+50 and 19+30.

February 28, 2017

- DC placed compacted lifts of engineered fill and on-site fill as backfill behind and adjacent to the retaining wall between STA 16+00 and 19+30.

March 1, 2017

- DC placed compacted lifts of engineered fill, low-permeability fill, and on-site fill as backfill behind and adjacent to the retaining wall between STA 15+50 and 19+30.

March 2, 2017

- DC placed compacted lifts of engineered fill, low-permeability fill, and on-site fill as backfill behind and adjacent to the retaining wall between STA 15+50 and 19+30.

March 3, 2017

- DC placed compacted lifts of engineered fill, low-permeability fill, and on-site fill as backfill behind and adjacent to the retaining wall between STA 15+50 and 19+30.

March 6, 2017

- DC placed compacted lifts of engineered fill and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 15+50 and 16+50.

March 7, 2017

- DC placed compacted lifts low-permeability fill as backfill behind and adjacent to the retaining wall between STA 15+50 and 16+25.
- DC placed riprap on the outbound side of the slope between STA 15+50 and 16+25.

March 8, 2017

- DC placed compacted lifts of engineered fill and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 16+25 and 16+75.

- DC continued to place riprap on the outbound side of the slope between STA 15+50 and 16+25.

March 9, 2017

- DC placed compacted lifts of on-site fill, engineered fill, and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 16+25 and 17+00.
- DC began installing riprap on the outbound side of the embankment between STA 16+25 and 17+00.

March 10, 2017

- DC continued installing riprap between STA 16+25 and 17+00 on the outbound side of the embankment.

March 13, 2017

- DC placed compacted lifts of on-site fill and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 17+00 and 17+70.

March 15, 2017

- DC placed compacted lifts of engineered fill and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 17+00 and 17+70.
- DC placed riprap along the outbound side of the embankment between STA 17+00 and 17+70.

March 16, 2017

- DC placed compacted lifts of on-site fill, engineered fill, and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 17+70 and 18+30.
- DC continued to place riprap on the outbound side of the embankment between STA 17+00 and 17+70.

March 17, 2017

- DC placed compacted lifts of on-site fill, engineered fill, and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 17+70 and 18+30.
- DC began placing riprap on the outbound side of the embankment between STA 17+70 and 18+30.

March 20, 2017

- DC placed compacted lifts of on-site fill, engineered fill, and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 18+30 and 18+60.
- DC began placing riprap on the outbound side of the embankment between STA 18+30 and 18+60.

March 21, 2017

- DC placed compacted lifts of on-site fill, engineered fill, and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 18+60 and 19+00 and between 15+75 and 16+50.
- DC continued placing riprap on the outbound side of the embankment between STA 18+30 and 18+60.
- DC continued grading the inbound side of the embankment between STA 16+50 and 15+75.

March 22, 2017

- DC placed compacted lifts of on-site fill, engineered fill, and low-permeability fill as backfill behind and adjacent to the retaining wall between STA 18+60 and 19+00 and between 15+00 and 15+75.
- DC began placing riprap on the outbound side of the embankment between STA 18+60 and 19+00.
- DC continued grading the inbound side of the embankment between STA 15+75 and 15+00.

March 23, 2017

- DC placed compacted lifts of engineered fill, between STA 14+00 and 15+00.
- DC continued placing riprap on the outbound side of the embankment between STA 18+60 and 19+00.
- DC continued grading the inbound side of the embankment between STA 14+00 and 15+00.

Two-Week Look Ahead

- **Continue construction of the embankment for Phase III**
- **Contractor will prepare and submit a revised schedule**



Gordon R. Archibald, Inc.
Civil and Environmental Engineers

March 24, 2017

PROGRESS REPORT
GOVERNOR FRANCIS PHASE III





Work this Period:

1. Purchase and sales agreement is being prepared by WSA's legal counsel.
2. Administrative Subdivision plan will be submitted upon purchase agreement between WSA and Owner.

Design Schedule:

Tasks	2016											2017				
	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan.	Feb	Mar	Apr	May	Jun
Final Design																
• Plans and Specifications																
• Pumping Station																
- Civil																
- Mechanical																
- Electrical																
• Utility Company Reviews																
• Land Acquisition																
• RIDEM Order of Approval																
• RIDEM RICRMC Approval																
Construction Bid Documents																
Advertise, Bids & Award																
Construction																

Legend

	GRA - Tasks
	WSA - Tasks
	Agency Reviews
	Contractor



PROGRESS REPORT
EAST NATICK – PHASE 3 (O'DONNELL HILL)

DATE MARCH 25, 2017
PROJECT NUMBER 04635.00
INVOICE NUMBER N/A

PROFESSIONAL SERVICES FROM FEBRUARY 26, 2017 TO MARCH 25, 2017

PROJECT SUMMARY:

FILE REVIEW

Completed

BASE PLAN MODIFICATIONS

Completed

DESIGN PLAN, SPECS & EST. MOD.

Completed

ADDITIONAL SERVICES BEYOND SCOPE OF CONTRACT

No work this period

CONSTRUCTION BIDDING SERVICES

No work this period

WETLANDS BIOLOGIST

Completed

PRINTING

No work this period

CONTRACT AMENDMENT #1

Completed

CONTRACT AMENDMENT #2

No work this period

CONTRACT AMENDMENT #3

No work this period



PROGRESS REPORT
SANITARY SEWER IMPROVEMENTS – NORTHWEST GORTON POND

DATE MARCH 25, 2017
PROJECT NUMBER 6342.01
INVOICE NUMBER 110687

PROFESSIONAL SERVICES FROM FEBRUARY 26, 2017 TO MARCH 25, 2017

PROJECT SUMMARY:

FINAL DESIGN – PLAN PREPARATION
Completed.

FINAL DESIGN – SPECS & QUANTITIES
Completed this Period.

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

FINAL DESIGN REIMBURSABLES
No work this period

CONTRACT AMENDMENT #4

FILE REVIEW AND PROJECT RESTART
Completed.

LAND SURVEYS
Completed.

AERIAL MAPPING
Completed

PLAN PREPARATION OF COLLECTION SYSTEM
Continued Plan Preparation of Collection System.

CONTRACT SPECS, QUANTITIES & ESTIMATE
Continued Preparation of Contract Specifications, Quantities & Estimate.

(2) PUMP STATION AND FORCE MAIN DESIGN PLANS / DETAILS
Continued Preparing Design Plans & Details.



Gordon R. Archibald, Inc.
Civil and Environmental Engineers

March 24, 2017

PROGRESS REPORT
BAYSIDE SEWERS PROJECT

Work this Period:

1. WSA and EPA are still coordinating with the Tribe on the Memorandum of Agreement (MOA).
2. GRA has started the distribution of service connection cards on March 6, 2017 to homeowners to determined proposed service locations.
3. GRA continues to prepare project base plans.

PROJECT STATUS

As Of: 03/31/17

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)	<i>Preparing to bid in 2017</i>	95%	N/A	5/16/16	N/A		
Northwest Gorton Pond	Still Planning for 2017	75%	N/A				
Governor Francis III	<i>Preparing to bid in 2017</i>	95%	8/4/2008	12/27/2016	9/19/2016		
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)	<i>Still Planning for 2017</i>	30%	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		98%
AWT Levee Improvement	12/31/13	100%	N/A	3/14/2014	4/3/2013		90%

PROJECT EXPENSES

Projects Included in \$33 Million Revenue Bond Authorization

Project Name	Design Expenditures	Land Acquisition	Construction Expenditures	Inspection Expenditures	Traffic Details Expenditures	Miscellaneous Expenditures	Expenditures to Date	RI Infrastructure Bank Payments	To be Reimbursed by FEMA
East Natick III (O'Donnell Hill)	\$28,697.50	N/A				\$800.00	\$29,497.50	\$4,537.50	N/A
Northwest Gorton Pond	\$249,995.83	N/A			\$1,427.43		\$251,423.26	\$0.00	N/A
Governor Francis III	\$199,703.39						\$199,703.39	\$33,300.22	N/A
Bayside 86A-1 (Tidewater Interceptor)	\$11,511.25	N/A	\$302,841.88	\$26,793.73	\$1,105.19	\$0.00	\$342,252.05	\$330,740.80	N/A
Bayside 86B (Tidewater Interceptor and Lateral Pressure Sewers)	\$436,773.33	N/A			\$24,094.21	\$103,687.32	\$564,554.86	\$564,554.86	N/A

Projects Included in \$23 Million Revenue Bond Authorization

Project Name	Design Expenditures	Land Acquisition	Construction Expenditures	Inspection Expenditures	Traffic Details Expenditures	Miscellaneous Expenditures	Expenditures to Date	RI Infrastructure Bank Payments	To be Reimbursed by FEMA
AWT Phosphorus Upgrade	\$749,457.85	N/A	\$12,368,222.05	\$1,615,852.82	\$0.00	\$448,190.96	\$15,181,723.68	\$14,970,136.71	N/A
AWT Levee Improvement	\$147,312.96	N/A	\$3,913,990.11	\$359,281.38	\$0.00	\$0.00	\$4,420,584.45	\$0.00	\$3,600,000.00

Cost of Issuance and Debt Service Reserve for all borrowing: \$1,751,432.42
 Total Bond Authorization Utilized: \$17,654,702.51
 Total Bond Authorization Remaining (of \$56 Million): \$38,345,297.49