

**WARWICK SEWER AUTHORITY**  
**Quarterly Report to City Council**  
**October 14, 2015**

**WSA Budget**

See attached line item budget report for FY15 (preliminary end-of-year numbers) as well as the FY16 budget to date as of August 31<sup>st</sup> (17% of fiscal year complete). Summary for FY16:

- Revenues \$4,284,063 (20%)
- Expenses \$496,441 (2%)

Note that debt service payments are made twice a year (September and April)

**Major WSA Board Actions in Last Quarter**

In July, the Board awarded Contract 93 (Influent Sewer Rehabilitation) to R. Zoppo Corp. of Stoughton, Massachusetts, the low bidder at \$753,902. The bid and bidder were vetted by the project engineer (Brown & Caldwell) and the price tag was in line with the engineer's estimate of probable cost. The Board also awarded the Bid #2016-66 (Emergency Pumping Services) to Dennis Diffley & Sons, Inc. and Michael Perri & Sons, both Warwick businesses.

In August, the Board held a brief meeting followed by a presentation ceremony for the annual Industrial Pretreatment Program scholarships. This year, the Warwick Sewer Authority gave \$1,500 checks to Jared Paolino from Toll Gate and Patrick Mascoli from Pilgrim, two outstanding public high school graduates with plans to study engineering in college.

In September, the Board approved numerous expenses including several related to the August 4<sup>th</sup> "Macro Burst Storm" which impacted the collection system, especially related to power outages at numerous pumping stations. The Board approved award of Bid #2016-100 (2015 Sewer & Catch Basin Cleaner) to C.N. Wood, Inc. of Woburn, Massachusetts in the amount of \$298,749. The WSA had planned and budgeted for a new collection system maintenance vehicle as part of its 5-year Capital Improvement Plan. This vehicle will replace a 1999 vehicle that was becoming very expensive to maintain and keep running.

Also in September, the Board approved a one-year extension of contract with Rhode Island Analytical Laboratories, Inc. of Warwick for analytical laboratory services and a proposal from B & E Consulting, LLC to prepare the next 5-year rate study and recommend changes to the sewer usage rates and structure for the Board's consideration. Finally, the Board approved an extension of contract with Butler Construction of Warwick for Bid #2015-53 (Installation of Residential Back Water Valves) pending the approval of additional funding under the WSA's hazard mitigation grant from the Rhode Island Emergency Management Agency. This effort will build on a successful pilot project to protect homes upstream from the Gaspee pumping station from sewer back-ups.

Board-approved Change Order to Contract 91 (Treatment Facility Construction) is itemized below.

**Treatment Facility Operations and Maintenance**

The treatment facility was in full compliance with the WSA discharge permit this past quarter, including the new nitrogen limit. Flows have been averaging about 4.7 million gallons per day in 2015 (plant capacity is 7.7 mgd).

**Contract 91 (Treatment Facility Construction)**

**Project Status:** The most recent progress report has been included with this report.

**Project Issues:** The levee re-engineering is progressing. The geotechnical review and schematic design report have been completed. At this time all permits have been submitted to the Rhode Island Departments of Transportation and Environmental Management along with project plans and WSA is awaiting approval of those permits. PARE Corporation has begun working on the project specifications and construction pricing. See attached progress report for additional information.

**Project Schedule:** The phosphorus and other operational improvements are on track for compliance with new limits in 2016. The levee improvements are behind schedule and continue to be fast-tracked to the extent possible.

**CONTRACT 91 EXPENSE SUMMARY**

**As of September 23, 2015**

<b>Contractor</b>	<b>Original Contract Amount (\$)</b>	<b>Change Orders or Amendments (\$)</b>	<b>Total Contract Amount (\$)</b>	<b>Amount Paid to Date (\$)</b>	<b>%</b>	<b>Contract Amount Remaining (\$)</b>
AECOM	1,803,900.00	-	1,803,900.00	997,040.89	55.3%	806,859.11
Hart	14,479,000.00	(324,976.35)	14,154,023.65	9,346,374.62	66.0%	4,807,649.03

**CONTRACT 91 CHANGE ORDER SUMMARY**

**Change  
Order**

<b>No.</b>	<b>Date</b>	<b>Amount</b>	<b>Reason</b>
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
5	<i>reserved</i>		Steel sheeting proposal
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
9	<i>rejected</i>		Duplex strainer
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	<i>pending</i>		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 piping
16	9/17/2015	\$ 4,819.68	Extension of low pressure scum line

**Total of Change**

**Orders: \$ (324,976.35)**

**Contract 93 (Influent Sewer Rehabilitation)**

**Project Status:** The most recent progress report has been included with this report. Following the award of bid to R. Zoppo Corp. in July, the project has been proceeding with approvals of the various submittals such as the pipe materials and installation procedures. Mobilization is scheduled for the end of September with project completion scheduled for the end of November.

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

Governor Francis Farms Phase 3 (Contract 85 B) – Completion of the design work is still pending an agreement on the land acquisition for the pump station.

East Natick Phase 3/O'Donnell Hill (Contract 69 A) – WSA held a meeting with property owners in this project area on September 15<sup>th</sup> to review the status and updated construction cost numbers (just over \$1.8 million including engineering). Final design documents and construction specifications are being prepared as well as applications for permits needed from the Rhode Island Departments of Transportation (bike path crossing) and Environmental Management (wetlands). The project also requires an Order of Approval and a Certificate of

Approval from RIDEM to be eligible for state clean water revolving fund financing for construction in 2016.

Northwest Gorton Pond (Contract 88) – Currently proposed for construction in 2017. No recent activity.

Bayside – The WSA has approved a revised plan for sewerage in this area which consists of two phases. Phase I (Contract 86A) is construction of the main interceptor sewer on Tidewater Drive and Phase II (Contract 86B) will be construction of lateral pressure sewers and connections for about 40 residential streets off Tidewater Drive.

Contract 86A-1 (Tidewater Drive Pumping Station to the Mill Cove Bridge)

D'Ambra Construction has completed work on this segment of Tidewater Drive under Contract CC, including installation of the main sewer line and a dozen service connections. This portion of the construction project cost \$287,551.40 which is being paid with loan funds.

Contract 86A-2 (Tidewater Drive Interceptor)

Preliminary design is ongoing with detailed archaeological investigations on Tidewater Drive in the proposed location of the main sewer pipe and service connections. At its July meeting, the WSA Board awarded a bid to D'Ambra Construction (low bidder) in the amount of \$143,800 for flat blade excavation and paving of trenches associated with the archaeological study which began on August 31<sup>st</sup>. As of this date, the archaeological work has progressed from the southern side of the Mill Cove bridge to the vicinity of Cady Avenue.

# Warwick Sewer Authority FY15 Budget Report

Fund 80 - Sewer Operations, Maintenance, and Administration

*June 30, 2015 (100% of fiscal year complete as of 9/15/15)*

	FY15 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of June 30	% Expended/ Collected
<b>Personnel</b>					
Sick Time & Other Leave	\$0		\$0	\$66,077	0.00%
Salaries	\$1,904,043		\$1,904,043	\$1,736,036	91.18%
Overtime	\$65,000		\$65,000	\$72,264	111.18%
Overtime Storm/Snow	\$10,000		\$10,000	\$16,181	161.81%
Temporary Services	\$11,280		\$11,280	\$10,296	91.28%
Fringe Benefits	\$792,214		\$792,214	\$819,269	103.42%
<b>Commodities</b>					
Office Supplies & Equipment	\$9,800		\$9,800	\$6,024	61.47%
Print, Bind & Reproduction	\$16,100		\$16,100	\$9,104	56.55%
Advertising	\$3,350		\$3,350	\$1,060	31.64%
Postage	\$31,050		\$31,050	\$26,642	85.80%
Laboratory Supplies	\$21,500		\$21,500	\$21,275	98.95%
Gasoline	\$50,000		\$50,000	\$25,738	51.48%
Natural Gas	\$40,000		\$40,000	\$43,796	109.49%
Electricity	\$618,500		\$618,500	\$611,846	98.92%
Supplies - Computer	\$0		\$0	\$0	0.00%
Supplies - Safety Equipment	\$6,500		\$6,500	\$4,080	62.77%
Chemicals - Polymer	\$128,500		\$128,500	\$110,196	85.76%
Chemicals - Chlorine	\$53,000		\$53,000	\$34,497	65.09%
Chemicals - Dechlor	\$50,000		\$50,000	\$32,261	64.52%
Chemicals - Odor Control	\$210,000		\$192,500	\$125,664	65.28%
Chemicals - Alum	\$35,000		\$35,000	\$20,807	59.45%
Chemicals - Caustic	\$176,000		\$186,000	\$175,297	94.25%
Clothing	\$8,000		\$8,000	\$6,190	77.38%
Maintenance Materials	\$100,000		\$100,000	\$93,477	93.48%
Small Tools	\$3,000		\$3,000	\$2,987	99.57%
Deduct Meters	\$5,000	\$7,500	\$12,500	\$10,599	84.79%

	FY15 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of June 30	% Expended/ Collected
Easement Maintenance	\$3,000		\$3,000	\$850	28.33%
<b>Services</b>					
Travel	\$500		\$500	\$12	2.40%
Training & Education	\$7,500		\$7,500	\$6,333	84.44%
Telephone	\$19,500		\$19,500	\$20,401	104.62%
Water Usage	\$6,000		\$6,000	\$4,332	72.20%
Equipment Repair	\$80,000		\$80,000	\$79,956	99.95%
Tax Sale	\$25,000		\$25,000	\$349,905	1399.62%
Insurance	\$207,818		\$207,818	\$207,818	100.00%
Auto Maintenance	\$18,000		\$18,000	\$15,042	83.57%
Service Contracts	\$81,050		\$81,050	\$61,901	76.37%
Insured Accidents	\$0		\$0	\$0	0.00%
Professional Services	\$91,000		\$91,000	\$62,985	69.21%
Construction Services	\$105,000		\$105,000	\$55,889	53.23%
Sludge Removal	\$883,800		\$883,800	\$893,510	101.10%
Administration	\$115,623		\$115,623	\$133,189	115.19%
DEM - User Fees & Permits	\$3,500		\$3,500	\$3,370	96.29%
Testing & Lab Supplies	\$38,000		\$38,000	\$33,350	87.76%
Engineering Services	\$85,000		\$85,000	\$75,309	88.60%
Sewer Connection Grants	\$35,800		\$35,800	\$15,000	41.90%
Public Outreach	\$4,000		\$4,000	\$3,119	77.98%
Services - Other	\$62,800		\$62,800	\$30,752	48.97%
West Warwick WWTF	\$0		\$0	\$8,892	0.00%
<b>Debt Service</b>					
Renew & Replacement	\$10,000		\$10,000	\$0	0.00%
Debt Service	\$9,962,510		\$9,962,510	\$9,961,510	99.99%
Debt Interest	\$2,699,058		\$2,699,058	\$2,633,166	97.56%
Sewer Connection Loan Default	\$5,000		\$5,000	\$0	0.00%
Repayment - Due to General Fund	\$1,978,604		\$1,978,604	\$0	0.00%
Misc Capital Expenditures	\$550,000		\$550,000	\$81,758	14.87%
<b>Total Expenses</b>	<b>\$21,425,900</b>	<b>\$0</b>	<b>\$21,425,900</b>	<b>\$18,820,012</b>	<b>87.84%</b>

	FY15 Budget	Transfers/ Adjustments	Revised Budget	Expensed/ Received as of June 30	% Expended/ Collected
<b>Revenues</b>					
Industrial Pretreatment Fees	\$359,000			\$348,994	97.21%
Sewer Usage Fees	\$12,000,000			\$11,874,795	98.96%
Capital Account/Meters	\$5,000			\$14,946	298.92%
Energy Buyback Revenue	\$5,600			\$0	0.00%
Pretreatment Application Fees	\$6,000			\$6,750	112.50%
Sewer Service Charge	\$3,800,000			\$3,897,716	102.57%
Engineering Review Fees	\$4,500			\$10,200	226.67%
Sewer Assessment Fees	\$4,900,000			\$3,986,922	81.37%
Septage Dumping Fees	\$36,000			\$46,465	129.07%
Drainlayer Licenses	\$9,000			\$7,800	86.67%
Sewer Insurance	\$8,000			\$7,213	90.16%
Lease Income	\$35,800			\$41,100	114.80%
Pretreatment Fines	\$0			\$11,950	0.00%
Miscellaneous Income	\$4,000			\$4,845	121.13%
Sewer Connection Permits	\$60,000			\$40,325	67.21%
Reimburse - Grinder Pumps	\$15,000			\$24,962	166.41%
Sewer Tax Title Revenue	\$25,000			\$0	0.00%
Interest on Investments	\$1,500			\$1,508	100.53%
Interest Income	\$150,000			\$373,888	249.26%
SLA Administrative Fee	\$500			\$600	120.00%
SLA Inspection Fee	\$1,000			\$1,584	158.40%
<b>Total Revenues</b>	<b>\$21,425,900</b>			<b>\$20,702,563</b>	<b>96.62%</b>

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 \$702,000 (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 (\$86,000), 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 FY16 Budget Report

## Fund 80 - Sewer Operations, Maintenance, and Administration

As of August 31, 2015 (16.7% of fiscal year complete)

	FY16 Budget	Expensed/ Received as of August 31	% Expended/ Collected
<b>Personnel</b>			
Sick Time & Other Leave	\$0	\$6,262	0.00%
Salaries	\$1,918,278	\$236,801	12.34%
Overtime	\$65,000	\$9,118	14.03%
Overtime Storm/Snow	\$10,000	\$5,298	52.98%
Temporary Services	\$11,280	\$3,594	31.86%
Fringe Benefits	\$801,501	\$0	0.00%
City Contractual Obligation	\$57,548	\$0	0.00%
<b>Commodities</b>			
Office Supplies & Equipment	\$9,800	\$120	1.22%
Print, Bind & Reproduction	\$17,300	\$284	1.64%
Advertising	\$3,500	\$0	0.00%
Postage	\$35,075	\$230	0.66%
Laboratory Supplies	\$21,500	\$1,930	8.98%
Gasoline	\$50,000	\$3,614	7.23%
Natural Gas	\$44,000	\$2,699	6.13%
Electricity	\$575,000	\$54,043	9.40%
Supplies - Safety Equipment	\$6,500	\$0	0.00%
Chemicals - Polymer	\$142,000	\$0	0.00%
Chemicals - Chlorine	\$50,000	\$6,177	12.35%
Chemicals - Dechlor	\$50,000	\$3,722	7.44%
Chemicals - Odor Control	\$234,000	\$4,833	2.07%
Chemicals - Alum	\$62,500	\$2,683	4.29%
Chemicals - Caustic	\$185,000	\$18,776	10.15%
Clothing	\$8,000	\$320	4.00%
Maintenance Materials	\$100,000	\$6,422	6.42%
Small Tools	\$3,000	\$0	0.00%
Deduct Meters	\$5,000	\$838	16.76%
Easement Maintenance	\$10,000	\$0	0.00%
<b>Services</b>			
Travel	\$500	\$0	0.00%
Training & Education	\$7,500	\$674	8.99%
Telephone	\$19,500	\$1,306	6.70%
Water Usage	\$6,000	\$0	0.00%
Equipment Repair	\$80,000	\$4,653	5.82%
Tax Sale	\$50,000	\$0	0.00%
Insurance	\$207,818	\$0	0.00%
Auto Maintenance	\$15,000	\$0	0.00%
Service Contracts	\$75,950	\$6,988	9.20%

	<b>FY16 Budget</b>	<b>Expensed/ Received as of August 31</b>	<b>% Expended/ Collected</b>
Insured Accidents	\$0	\$0	0.00%
Professional Services	\$91,000	\$3,092	3.40%
Construction Services	\$105,000	\$20,715	19.73%
Sludge Removal	\$900,800	\$78,767	8.74%
Administration	\$115,623	\$0	0.00%
DEM - User Fees & Permits	\$3,500	\$0	0.00%
Testing & Lab Samples	\$44,200	\$1,514	3.43%
Engineering Services	\$55,000	\$0	0.00%
Sewer Connection Grants	\$41,100	\$0	0.00%
Public Outreach	\$4,000	\$85	2.13%
Services - Other	\$62,800	\$10,883	17.33%
<b><i>Debt Service</i></b>			
Renew & Replacement	\$10,000	\$0	0.00%
Debt Service	\$10,439,661	\$0	0.00%
Debt Interest	\$2,724,237	\$0	0.00%
Sewer Connection Loan Default	\$5,000	\$0	0.00%
Infrastructure Replacement	\$1,136,697	\$0	0.00%
Misc Capital Expenditures	\$550,000	\$0	0.00%
<b><i>Total Expenses</i></b>	<b>\$21,226,668</b>	<b>\$496,441</b>	<b>2.34%</b>

	<b>FY16 Budget</b>	<b>Expensed/ Received as of August 31</b>	<b>% Expended/ Collected</b>
<b>Revenues</b>			
Industrial Pretreatment Fees	\$359,000	\$71	0.02%
Sewer Usage Fees	\$11,800,000	\$3,211,407	27.22%
Capital Account/Meters	\$5,000	\$0	0.00%
Energy Buyback Revenue	\$3,000	\$0	0.00%
Pretreatment Application Fees	\$6,000	\$200	3.33%
Sewer Service Charge	\$3,965,000	\$1,022,262	25.78%
Engineering Review Fees	\$5,700	\$600	10.53%
Sewer Assessment Fees	\$4,725,518	\$0	0.00%
Septage Dumping Fees	\$36,000	\$6,256	17.38%
Sewer Insurance	\$8,400	\$1,815	21.61%
Lease Income	\$41,100	\$0	0.00%
Pretreatment Fines	\$0	\$2,800	0.00%
Miscellaneous Income	\$4,000	\$0	0.00%
Sewer Connection Permits	\$45,000	\$3,450	7.67%
Reimburse - Grinder Pumps	\$20,000	\$6,346	31.73%
Sewer Tax Title Revenue	\$50,000	\$0	0.00%
Interest on Investments	\$1,200	\$230	19.17%
Interest Income	\$150,000	\$27,889	18.59%
SLA Administrative Fee	\$500	\$200	40.00%
SLA Inspection Fee	\$1,250	\$537	42.96%
<b>Total Revenues</b>	<b>\$21,226,668</b>	<b>\$4,284,063</b>	<b>20.18%</b>

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 \$702,000 (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 (\$86,000), 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  
JULY/AUGUST/SEPTEMBER 2015 PROGRESS REPORT  
September 10, 2015**

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This Progress Report summarizes activity between July 18, 2015 and September 11, 2015 on Contract 91: Phosphorus Removal Upgrade/Flood Control & Mitigation Project, and provides a four week look ahead.

**Construction Progress**

- Overall, the project is approximately 67% complete;
- Continued to provide construction administration services such as reviewing and processing RFIs, shop drawings, change order proposals and contractor applications for payment; and field observation and specialty staff site visits for Building Code compliance;
- Held fourteenth and fifteenth progress meetings on August 6<sup>th</sup> and September 8<sup>th</sup> with Hart and WSA;
- Phosphorus Building, Levee and Other Work:
  - Phosphorus Building: tank tightness testing and repair continues; continued to install mechanical equipment and piping; interior and exterior masonry is mostly complete; electrical work inside the building has begun;
  - Utility Building: completed PCB abatement and wall painting; demolished existing belt filter press and support system
  - Center Clarifiers: West Center Clarifier is complete and has been returned to service; East Center Clarifier is nearing completion;
  - Thickened Sludge Pump Station: piping work is mostly complete;
  - Levee Work: final placement of fill has started.

**Four Week Look Ahead-Phosphorus Building and Other Work**

- Continue equipment and piping installation, and electrical work; complete tank tightness testing and repair; start roofing components;
- Center Clarifiers: complete East Center Clarifier and scum lines;
- Thickened Sludge Pump Station: complete piping work;
- Utility Building: install reinforcing bars and pour concrete for new sludge equipment

- Next progress meeting scheduled for October 1<sup>st</sup>.

**Four Week Look Ahead-Levee**

- Place final layers of impervious fill and top with loam and seed.

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

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**Project Progress Update No. 4**

Submitted September 11, 2015

The following activities have occurred since the last report:

- PARE submitted the revised levee alignment as well as responses to RIDOT's first round of comments to RIDOT for subsequent review and approval.
- PARE received additional comments from RIDOT relative to the revisions to the drainage structures at the northeast levee extension. PARE prepared a response to these additional comments, and coordinated with the RIDOT reviewer directly. PARE is currently waiting for RIDOT's formal issuance of the second round of comments.
- PARE advanced the design of the multiple levee sections to provide a top of levee elevation of 34.5 while accommodating existing structures within the plant yard, and limiting impacts to the resource areas along the outside of the levee. This included a meeting with WSA and HART to discuss constructability concerns and review Facility specific concerns.
  - Drawings are being advanced to the 90% DD
  - Continued design of concrete wall sections at the clarifiers and generator building
  - Developed transition sections between levee sections
  - Reviewed areas impacted by attempted sheeting installation and developed repair details.
- PARE evaluated load carrying capacity and potential settlement of the two outfall pipes.
- The hydrologic/hydraulic analysis was performed comparing the proposed levee configuration to the original levee configuration. Results indicate negligible change in both water surface elevation in the floodplain and velocity within the floodway. This data was incorporated into the Schematic Design Report (SDR)
- PARE continued development of the permit application to be filed with RIDEM.
  - PARE spoke with RIDEM to provide an update and indicated the need to complete the repairs to the sections of the levee impacted by the attempted sheeting installation this Fall.
- PARE developed a schematic level construction plan set for inclusion within the SDR.
- PARE submitted the draft Schematic Design Report (SDR) to WSA
- PARE commenced final design and development of construction plans and specifications.

Two- Week Look Ahead

- **Submission of final Schematic Design Report – September 14<sup>th</sup>**
- **Submission of RIDOT response to Comments – September 14<sup>th</sup>**
- **Submission of RIDEM Permit Applications – September 18<sup>th</sup>**
- **Continue preparation of construction plans and technical specifications**



## Wastewater Treatment Facility Influent Sewer Rehabilitation

### Progress Report

September, 2015

#### Completed Items

- Preconstruction Meeting.
- Contract Signing and Notice to Proceed.
- Preliminary Schedule Review.
- 8 Shop Drawing Submittals received including HOBAS pipe.
- 1 RFI submitted regarding rebar installation.
- CCTV of sewer completed – No signs of significant further deterioration.

#### Upcoming Items

- Shop Drawing Submittals for Excavation Support/Access Pits, Grouting, Miscellaneous Submittals.
- Progress Meeting No. 4 scheduled for September 16.
- Updated schedule on pipe delivery to be provided by Contractor. Pipe installation currently scheduled for October.