

**TOWN OF JAMESTOWN
BOARD OF WATER AND SEWER COMMISSIONERS**

Wednesday, October 30, 2002

A workshop of the Jamestown Town Council sitting as the Board of Water and Sewer Commissioners was called to order at the Jamestown Philomenian Library, 26 North Road at 6:37 PM by Commission President Guy Settipane. The following members were present:

David Swain, Vice-President
Kenneth Littman
Norma Willis

Also present were:

Maryanne Crawford, CPA, Town Administrator
Denise Jennings, Assistant Finance Director/Water and Sewer Clerk

Absent were:

Commissioner David Long
Steven J. Goslee, Public Works Director
Douglas DiSimone, Esq., Town Solicitor

SEWER PLANT REHABILITATION AND DRAFT OF THE FACILITIES PLAN

Laszlo Siegmund, Tim Behan and Richard Chiodini were present from Siegmund and Associates, Inc. Mr. Siegmund distributed a project fact sheet to the Commission and stated that he and his associates were present to make a formal presentation on the Facilities Plan Update and a status report on the project and further stated that the Facilities Plan Update has been made available for public review at the Jamestown Philomenian Library and through his office.

Mr. Siegmund described the history of the Jamestown Wastewater System as follows:

- The collection system dates back to the 1900's.
- Raw sewerage was discharged into Narragansett Bay.
- The Wastewater Treatment Facility was constructed in 1979.
- Vollmer and Associates were retained by the Town in 1997 to review the existing facility and make recommendation to the Town.
- In 1998 RIDEM came in and said that the Town needed to do something about the overflow of raw sewerage.
- In 1999 Weston and Sampson Engineers were retained by the Town to do further work and to define in more detail the needs of the facility.
- In 2001 the Town retained Siegmund and Associates, Inc to take over from the planning stage to implementation.

Mr. Siegmund reported on programs undertaken by Siegmund and Associates, Inc. as follows:

- Investigation of Infiltration and Inflow (I/I) has been completed.
- Updated Facilities Plan is ready for RIDEM review.
- Have begun collection system repairs to include repair of manhole deficiencies and slip lining of sewers where there are structural problems; the slip-lining project will be completed by January 2003.
- Have begun design and improvements at the treatment plant and pump stations.

- Remaining work will be completed when the facilities plan is approved by RIDEM.

Mr. Siegmund stated that the project planning area consisted of the land mass from the creek to Hamilton Avenue as detailed as follows:

- Treatment Plant on Bayview Drive
- Pump Station 1 on Bayview Drive
- Pump Station 2 on Hamilton Avenue
- Pump Station 3 on Narragansett Avenue
- Pump Station 4 on Maple Avenue

Mr. Siegmund showed the Commission photographs of the treatment facility and the pump stations and briefly explained the processing procedure from the pumping stations to the treatment facility. Mr. Siegmund then turned the presentation over to his Associate Mr. Behan.

Mr. Behan reported that the following investigations have been undertaken:

- Television inspection- television camera was placed in the pipeline in the sewer collection system to determine the condition.
- Flow Isolation-measured flow rates for infiltration rates.
- Flow Metering-replaced meters in manholes.
- Smoke testing-introduced smoke into the system to see if roof leaders and catch basins were connected.
- Manholes, pump stations and the treatment facility were inspected.

Mr. Behan showed the Commission photographs of the condition of the pipeline and briefly described the follow deficiencies:

- Broken pipe
- Cracked pipe
- Offset joints
- Tree roots
- Grease

Mr. Behan gave a brief summary of the investigation as follows:

- Roof leaders are connected to the system.
- There are sump pumps that are connected to the system.
- The pipeline is failing structurally.
- Infiltration is a major problem and there are many sags in the pipeline.
- Pump stations and the treatment facility are 24 years old, most of the equipment is the original equipment and needs to be replaced.
- The buildings need improvement.

Mr. Behan reported that four alternatives (options) were developed by Siegmund and Associates, Inc. to improve the treatment facility and collection system and that alternative three was the recommended program by the Town. The main issues that need to be addressed in all alternatives were as follows:

- Need to limit treatment plant flow to its permit limit and also need to limit the pump stations and collection to its capacity.
- Need to rehabilitate the existing infrastructure, replace the equipment and fix the broken pipes.
- Goal would be to minimize cost and decrease environmental impact.

Alternative three consisted of the following:

- To reduce or eliminate I/I.
- Rehabilitate the collection system, the pump stations and the treatment facility.
- Disconnect roof leaders.
- Establish a policy for the removal of sump pumps and for replacement of house services.

Mr. Behan presented an itemized breakdown of the cost for alternative three and reported that 5.5 million dollars has been bonded and that an additional 1.2 million dollars would be required to complete the project.

Commission President Settiane entertained questions from the Commission and the public. Mr. Siegmund stated that written comments would be accepted until November 20, 2002 and should be addressed to Siegmund and Associates, Inc. at 49 Pavilion Avenue, Providence, RI 02905.

Following clarification of a few items, Commission President Settiane thanked Mr. Siegmund for his presentation.

ADJOURNMENT

Following no further questions and there being no further business before the Commission, the workshop concluded at 7:51 PM.

Attest:

Denise Jennings
Assistant Finance Director/Water and Sewer Clerk

xc: Council Members (5)
Town Administrator
Town Solicitor
Public Works Director
Town Clerk