

SEWER COMMISSION

A meeting of the Board of Sewer Commissioners was held on Thursday, October 1, 2009, in Conference Room A of the Parsons Complex, 70 West River Street. Vice Chairman D. Anderson called the meeting to order at 7:38 p.m.

The following Commission Members were present:

Vice Chairman Donald Anderson, Commissioner Michael V. Brown, Commissioner Louis D'Amato and Commissioner Robert Carroll

Others Present: Consultants Raymond Macaluso and K. Mark Davis, Westcott and Mapes, Inc.; Consultants, AECOM, Inc. Charlie Smith; and James Cooper, Acting Wastewater Superintendent.

Excused: Chairman Paul Austin

CITIZEN'S COMMENTS:

E. Van Hise – 42 Roller Terrace – stated two years ago he and others submitted signed petitions asking for sewers in their area. He stated the engineer came out and marked the road, but that was all that happened. He asked what it would take to make this happen. He noted Wilson Street now has sewers, but there street is still without. He also pointed out there is stimulus money out there that could help with the project.

Mr. Macaluso stated it is designed and ready to go out to bid, but the Capital Improvement Plan put that project back. He explained it was tabled until the Sewer Commission could identify priorities. He suggested the Commission could take that matter up at their meeting next month.

Commissioner D'Amato asked when it could go out for bonding.

Mr. Macaluso replied it is his understanding bonding is usually done at the February or March Board of Aldermen meeting.

Mr. D'Amato asked when they could look at setting priorities.

Mr. Macaluso responded the Commission could do it at its meeting next month. A brief discussion ensued regarding stimulus money.

Commissioner D'Amato stated the Commission would review the list.

PETITIONS ACCORDING TO DATE & TIME THEY WERE SUBMITTED

1. 145 High Street and "0" Railroad Avenue.

Mr. Davis, Westcott and Mapes stated he is the engineer on the project. He explained this is a project that normally would be administratively approved, but on the advice of the City Attorney they were bringing it before the Commission. He explained 145 High Street and "0" Railroad Avenue is on the north side the train tracks. He proceeded to explain the details of the project, which he stated include reconstruction in the same footprint as well as reconstruction of the driveway.

NON CONFORMING APPLICATION (PETITIONS)

None.

TABLED APPLICATIONS

None.

WESTCOTT AND MAPES, INC.

Mr. Davis presented the following report:

A. Indian River Interceptor & Manhole Repairs

Westcott and Mapes, Inc. reported that easements are being acquired for this project and that a proposed plan revision has been sent to DEP which is awaiting their approval.

B. East/West Interceptor Replacement

Westcott and Mapes, Inc. reported that this project is complete and that the guaranty period continues to May 27, 2010.

C. East Broadway Interceptor Replacement

Westcott and Mapes, Inc. reported that the payment request submitted at the March meeting is under review by the City Attorney. Additionally, the claim against the Payment Bond submitted by Griffin Dewatering is also under review by the City Attorney. A meeting was

held on September 15, 2009 with Mark IV Construction and the City Attorney where it was agreed that Mark IV should be compensated for three specific items related to the project. An invoice from Mark IV Construction Company, Inc. in the amount of \$8,174.04 has been received for these items. Westcott and Mapes, Inc. have reviewed the invoice and recommends approval for payment.

Commissioners' D'Amato and Carroll made and seconded a motion to authorize payment in the amount of \$8,174.04 to Mark IV Construction. Motion carried unanimously.

D. West Avenue Parallel Force Main

Westcott and Mapes, Inc. reported that review of required Contractor submittals for materials and methods is ongoing. Installation of erosion controls and saw cutting of pavement is scheduled for next week, with test pits on Caswell Street expected for the following week. Delivery of pipe and junction chamber materials is anticipated toward the end of the month followed by installation of the junction chamber on Caswell Street. The DEP has notified us that there is groundwater contamination in the vicinity of the project along Caswell Street and that they will be sending a letter recommending an action plan be prepared. Based on DEP's recommendation, Westcott and Mapes, Inc. is presently acquiring a proposal for services of an environmental professional for review and approval by the Commission.

E. Buckingham Avenue Force Main

Westcott and Mapes, Inc. reported that we are discussing with apparent low bidder, Complete Construction Company, the potential to reduce the scope and cost of the project.

EARTH TECH, INC./AECOM TECHNICAL SERVICES, INC.

Mr. Charlie Smith, Sr. Program Project, Principal in Milford was present. He stated Mr. Bradstreet had a death in the family. Mr. Smith presented the following report:

A. Housatonic & Beaver Brook Wastewater Treatment Plants

1. Carlin's Payment Requisition #35 in the amount of \$81,047.24 presented to the Board for approval. This requisition includes work through September 15, 2009 as follows:

Housatonic Plant - \$55,823.49

Change Order Work

Demobilization

Punch List work

All systems have been completed

Beaver Brook Plant - \$28,223.75

Brick repointing

There are some outstanding items of work at both plants, including adjustment and testing of the dissolved oxygen control systems.

2. Certificates of Substantial Completion have been executed by AECOM and Carlin Contracting for both treatment plants and are presented to the Board for approval. The date of substantial completion for both plants was agreed on as March 31, 2009, with the exception of certain systems identified in the certificates as not yet accepted. These include the mechanical screen & compactor, odor control system, aeration control system, screw centrifugal (RAS) pumps at the Housatonic plant and the mechanical screen & compactor and aeration control system at the Beaver Brook plant. The date of substantial completion sets the start date for the one year warranty period. Punch lists are attached to the Certificates of Substantial Completion.
3. The status of the project contingency is unchanged since the August Board meeting. The estimated unused contingency is \$118,745.
4. The date set by DEP to close out the Grant-Loan Agreement for this project was November 30, 2009. Because the completion date of this project was extended by 120 days due to the emergency repairs, a request was made by the Mayor to the State Treasurer's Office to extend the close out date by six months.
5. The Operators of both plants have requested platforms to allow taking samples and servicing the high end of the Belt Filter Presses. We have located platforms that will work for this use. The cost to purchase three platforms is approximately \$10,000. The platforms will be installed by plant personnel to save cost. We are requesting authorization to proceed with the purchase of these platforms.

Mr. Smith stated there is one change order for the Commission to consider. He stated they had an estimate that deals with service platforms with an approximate cost of \$10,000. He explained the work would provide safe access to high areas. He stated they are prefabricated platforms so there are no contractor costs.

Commissioners' D'Amato and Carroll made and seconded a motion to allocate \$10,000 for the platforms. Motion carried unanimously.

B. West Avenue and Gulf Pond Pump Station and Force Main

1. Earth Tech is continuing to update the design of the pump stations as well as package the plans and specifications for bidding. We anticipate advertising this project for bids in January 2010 so that the pump station work coincides with completion of the West Avenue Force Main, which has recently started.
2. The design update however requires an amendment to our engineering agreement due to several additional work items now found as a result of inspections made during the West Ave Pump Station Emergency Repairs and continuing problems of debris clogging and damaging pumps. Other changes come about due to the inclusion and need to include complete influent grinding at both stations. Also the Agreement has been subject to inflation, since January 2007. These items not originally envisioned are now required to make a more thorough upgrade of these facilities and include:
 - Structural re-design of the influent channels and significant structural concrete repairs at West Ave PS.
 - Concrete sampling/testing to determine extent of concrete deterioration
 - Process design of mechanical grinding equipment, including electrical for both this station and at Gulf Pond Station to provide protection of the new pumping equipment
 - Re design of the oxygen injection system for odor control (hydrogen sulfide prevention) since the system supplier designed around is no longer in business.

A new and enhanced ECO2 system has been sourced and will be now included in the re-design.

Any of these oxygen systems are unique and require complete and separate designs.

We request a motion from the Board for an amendment to our Agreement for \$135,000 (cost +FF basis, as per the existing agreement) This does not require any new appropriation since project contingencies and inflation was planned at \$1,486,450 for the West Ave/Gulf Pond PSs and West Ave force main projects.

Commissioners' D'Amato and Carroll made and seconded a motion to approve the request for the amendment to the agreement in the amount of \$135m000 (cost plus FF basis, as per the existing agreement).

Commissioner Brown asked if there was any additional information as to the degree of things that need to be improved upon.

Mr. Smith responded they only have their findings from the June and July structural engineer.

Commissioner Brown asked if the plan had been not to consider grinders originally.

Mr. Smith replied no. He explained they thought they could let the dirt go through the screening, but they are now seeing much more coming through the stations so they decided it would be best to grind up the materials which would protect the stations in the long run.

Commissioner Brown asked if there are screens as well.

Mr. Smith replied yes and went on to explain the channels and bypass channel. He reiterated this is long term and would give greater protection. A brief discussion ensued.

Mr. Macaluso added the figures were put together 5 years ago and it is only recently they are seeing some of these issues.

Motion carried unanimously.

C. East Broadway Pump Station Relocation

1. The plans and specifications have been completed and have been submitted to the City Attorney and the Connecticut DEP for review prior to bidding.
2. We are presenting the project to the Board and requesting approval to advertise the project for bids pending approval as to form by the City Attorney and approval from DEP.

Mr. Smith gave an overview of the project.

Commissioner Brown asked if there was an estimate.

Mr. Smith responded on approximately \$2,000,000 on Mayflower.

Mr. Macaluso interjected stating the figure did not include the interceptor. He stated they are looking at getting a very competitive bid on the interceptor.

Mr. Smith stated they were seeking the Commission's approval to go out to bid for this project pending the approval of the City Attorney.

Commissioners' D'Amato and Carroll made and seconded a motion to go out to bid pending the approval of the City Attorney. Motion carried unanimously.

D. Welches Point and Rock Street Pump Stations

1. AECOM is continuing to work on this project.

E. West Avenue Pump Station Emergency Repairs

1. The West Avenue Emergency Repairs have been successfully completed. Only minor further work of some control programming is required by Carlin, which will be performed after the Plant's electrician can install some pump protection control devices. That work has been held up due to the plant's recent issues with pump rebuilds.

F. Emergency Repairs at Housatonic Treatment Plant

1. Belt Filter Press feed pump No. 2 and its associated grinder was disassembled, inspected and evaluated. Lobes and end plates were found to have premature wear and were replaced. The pump was reassembled and tested. Flow rates delivered by the rebuilt pump were restored to the normal range.
2. Conveyors for BFP #2 were disassembled, cleaned and inspected. No premature damage was discovered.

USER FEE REVISIONS/ASSESSMENT REVISIONS

None.

COMMITTEE REPORTS

None.

CONSULTING ENGINEER'S REPORT

Mr. Macaluso reported he sent out a copy of the decision regarding the Mark IV disqualification. A brief discussion ensued.

Mr. Macaluso also reported he received a call from Elvio Trovino regarding a rodent problem he is having which he feels came about after sewers were installed. Mr. Macaluso reported they went out to check it and also flushed the system out. It was found the problem he is

having was not caused by the installation of the new sewers. AT&T is also working in the area and they were also contacted.

Mr. Macaluso reported he received a call from Mike Tarantino asking for a letter as to when the West Avenue project would go out to bid. He explained Mr. Tarantino was seeking the letter so he could present it to potential buyers concerning the smell. He stated he simply wanted to know when the project would go out to bid.

Commissioners' Carroll and D'Amato made and seconded a motion to authorize the Chairman to send a letter to Mr. Tarantino concerning the West Avenue project. Motion carried unanimously.

WASTEWATER REPORT

Mr. Cooper, Acting Wastewater Superintendent presented the following report:

Plants

Both Wastewater Plants performed well in the month of August, producing a good effluent.

At the Housatonic Plant normal monthly maintenance was performed. We have had a problem with the grit removal system piping clogging with rocks, the aeration controls are still being worked on. We are having a lot of problems with the main sewage pumps at West Avenue Pump Station with the pump overheating and ruining bearings we have had several of them rebuilt but they are not lasting very long, we also have 2 new ones on order, but they will not be in until December or January.

Commissioner Brown asked what was causing the bearing problem.

Mr. Cooper stated they were unsure at this time, but were continuing to look into it, adding it has been very trying.

Commissioner D'Amato asked if they have the same problem at Gulf Pond.

Mr. Cooper responded no.

At the Beaverbrook Plant normal monthly maintenance was performed. Carlin Contracting is working on punch list items. We have some problems with aeration control system and the odor control system. We have found some leaks in the roof for the secondary digester affecting its gas holding capability. Nitrogen levels have been ok at Beaverbrook, but have been hampered by the aeration control system not working properly.

Collection System – Pump Systems

Scheduled maintenance was performed at the following pump station: Ryder's Woods and Roses Mill Pump Stations.

Other duties performed by Pump Station Crews:

1. The mechanics took apart #1 pump at the East Broadway Pump Station to reset the bearings and impeller clearances. The pump runs much smoother with an upper bearing temperature of 91 degrees Fahrenheit.
2. The emergency generator at Old Field Lane had the engine removed in preparation for installation of a rebuilt unit.
3. The wastewater electrician replaced the pump alternator with a new design relay for improved operation at the Matthews Street Pump Station. We also had a replace the Devar controller because the led display had failed.
4. The transfer switch for the emergency generator at the Captains Walk Pump Station was replaced.
5. The battery system for the emergency generator at the Gulf Pond Pump Station was upgraded from 3-8 volt batteries to 4 12 volt batteries.

Sewer Maintenance

Sewer Maintenance answered six (6) complaints.

Sewer Maintenance crews performed scheduled maintenance sites four (4) trouble sites citywide: #24, #33, #39, and #40.

Scheduled Maintenance was performed on the following equipment: On sewer jet vehicle #426 (1992 Ford F-800 and we inventoried our suction and discharge hoses.

There were three (3) sewer excavations in August: 56 Wilcox Road, 322 Woodruff Road and 168 Pepe's Farm Road, where the UI drilled through our lateral when installing a new pole.

Other duties performed by Sewer Maintenance crews:

1. Assisted the Board of Education with the milling and paving of French Drive.

2. Assisted plant mechanic with work at the West Avenue Pump Station.
3. We brought our jet truck to the Beaverbrook Treatment Plant to help clean grease out of the wet well.

Total of 14,705 feet were jet flushed, 1,650 feet were TV'ed with our standard TV equipment, and 855 feet were spy tv'ed. We also hand rodded 495 feet, used the hydraulic jet root cutter to relieve 510 feet, root treated 285 feet, smoke tested 1,400 feet and dye tested 325 feet to check for sewer connection.

CHAIRMAN'S REPORT

Chairman Austin reported the following is a list of the Administrative Approvals, which have been approved since the September 3, 2009 meeting:

1. 100 Gulf Street – Doggy Daycare (old Mar-Len bldg) – requested water usage is 510 gpd, allowed water usage is 829 gpd, prior usage was 213 gpd.
2. 18 West Main Street – Sedona Daycare – interior remodel. Requested water usage is 735 gpd, and allowed water usage is 8,100 gpd. Prior water usage was 297.
3. 295 Boston Post Road – The Milford Bank – interior renovations – requested water usage is 428 and the allowed water usage is 960 gpd. Prior water usage was 292 gpd per 2008 RWA water records.
4. 20 Lansdale Avenue – Jonathan Law High School – 9 classroom addition. Allowed water usage is 20,745 gpd. Proposed water usage per design criteria table 4 is 17,568 gpd and current water usage per RWA 2008 water records is 5,715 gpd.

VOTING

A. Petitions

Commissioners' D'Amato and Carroll made and seconded a motion to approve the petition for 145 High Street and "0" Railroad Avenue as presented. Motion carried unanimously.

B. Regular Meeting Minutes: 9/04/09

Commissioners' D'Amato and Brown made and seconded a motion to approve the minutes of the Regular Meeting held on September 4, 2009. Motion carried unanimously.

C. Payments

Commissioners' Carroll and D'Amato made and seconded a motion to approve the payment List of October 1, 2009 as follows:

to Carlin Contracting Company, Housatonic Plant Upgrades, P.O. 07-0046625-001, Account No. 0026-4154-0036-4994-0025 in the amount of \$55,823.49;

to Carlin Contracting Company, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026 4154-0036-4994-0024 in the amount of \$28,223.75;

to Westcott and Mapes, Buckingham Avenue Force Main, P.O. 08-0050540-001, Account No. 0026-4154-0045-4993-0000 in the amount of \$2,327.00;

to Westcott and Mapes, West Avenue Parallel Force Main, P.O. 08-0050658-001, Account No. 0026-4154-0036-4993-0031 in the amount of \$20,715.00;

to Westcott and Mapes, Indian River Interceptor Repl., P.O. 08-0050659-001, Account No. 0026-4154-0036-4993-0033 in the amount of \$1,040.00;

to AECOM/Earth Tech, East Broadway PS Replacement, P.O. 05-0043160-001, Account No. 0026-4154-0036-4993-0022 in the amount of \$19,300.00;

to AECOM/Earth Tech, Engineering Services WWTP Upgrade, P.O. 06-0045461-001, Account No(s) 0024;0026-4154-0036-4993-0025 in the amount of \$50,745.84; and

to AECOM/Earth Tech, West Ave/Gulf Pond PS, P.O. 08-0050650-001, Account No. 0026-4154-0036-4993-0039 in the amount of \$5,118.08

The total of Payment List October 1, 2009 is in the amount of \$183,293.16.

Motion carried unanimously.

Being no further business to discuss, Commissioners' D'Amato and Brown made and seconded a motion to adjourn. Motion carried unanimously.

The meeting adjourned at 8:47 p.m. The next meeting of the Board of Sewer Commissioners is scheduled for Thursday, November 5, 2009 at 7:30 p.m.

Respectfully submitted,

Kathleen K. Huber
Acting Recording Secretary