

**SEWER COMMISSION**  
**THURSDAY, February 7, 2008**

A Meeting of the Board of Sewer Commissioners was held on February 7, 2008, at 7:30 p.m. in Conference Room A at the Thomas C. Parsons Complex, 70 West River Street.

Chairman, Paul Austin called the Sewer Commission meeting to order at 7:30 p.m.

The following Commission Members were present:

Chairman, Paul Austin; Commissioner Robert Carroll;  
Commissioner Michael V. Brown; and Commissioner Louis  
D'Amato

Others Present: Robert Brinton, City Engineer, Consultant Westcott & Mapes, Inc. Raymond Macaluso, (Mr. Macaluso arrived at approximately 8:00 p.m.); Raymond Paier; Consultants Earth Tech - Ken Bradstreet; James Cooper, Acting Wastewater Superintendent

Absent: Vice Chairman Donald Anderson

**CITIZENS COMMENTS:**

None

**PETITIONS**

None

**TABLED APPLICATIONS**

None

**WESTCOTT AND MAPES, INC.**

**A. Contract 2004b - Bridgeport Avenue/Riverside Drive**

Westcott and Mapes reported that the McNeiece fuel tank was removed. The Contractor, Complete Construction, is evaluating their costs and schedule to remobilize and resume work under the City's classification of "cautious excavation". Westcott and Mapes is awaiting the Contractor's written response.

Westcott and Mapes submitted change order number 4 for unforeseen buried concrete masonry which was encountered north of the route 1 crossing, additional police services and special connection field changes at the tie in manhole and the Valley Yacht Club. Westcott and Mapes respectfully requested

approval of Complete Construction's change order number 4 in the amount of \$17,332.03.

Commissioner Louis D'Amato **MADE A MOTION** to approve Change Order #4 in the amount of \$17,332.03 as presented.

Commissioner Michael Brown **SECONDED** and it was unanimously carried.

**B. Indian River Interceptor Manhole Rehabilitation**

Westcott and Mapes reported that the Contractor, Terre Hill Composites, has completed the installation of the riser rings, new frames and covers. The lining materials have arrived and the installation is scheduled to commence on Monday. The contract work is approximately 15% complete and on schedule to be finished by the March 31<sup>st</sup> contract completion date.

**C. Wolf Harbor/Avalon**

Westcott and Mapes reported that OHC Development Co of Massachusetts is negotiating with Avalon Bay Communities to purchase the property and construct the age restricted condominium project and sanitary sewer for Wolf Harbor Road and Parkway Terrace.

**D. East/West Interceptor**

Westcott and Mapes reported that the mandatory Pre-Bid Conference for the project was held on January 24<sup>th</sup>. Twelve contractors attended the conference and are therefore eligible to bid. Bids will be opened next Thursday, February 14<sup>th</sup>, at 3:00 p.m.

**EARTH TECH**

**A. Housatonic & Beaver Brook Wastewater Treatment Plant**

1. Carlin's Payment Requisition #15 is in the amount of \$1,945,895.56 is presented to the Board for approval. This requisition includes work through January 15, 2008 as follows:

**Housatonic Plant - \$1,300,665.92**

Concrete work:

North Aeration Basin – walls & supported slabs

Clarifier #6 – walls

Utility Building

Equipment Deliveries

Aerated grit equipment (\$66,500)

Hyperbolic mixers (\$157,500)

Piping – Solids Handling Building and Digester Building  
HVAC and Plumbing – Operations Building, Solids Building and Blower Building

Electrical Equipment and instrumentation

MCC's and VFD's

SCADA panels

Flow meters

Duct banks

Power feeders

**Beaver Brook Plant - \$645,229.64**

Miscellaneous metals – Settling tank railings

Equipment deliveries:

Axial flow pumps (\$91,000)

Hyperbolic mixers (\$19,000)

Polymer preparation equipment (\$61,726)

Piping – Digester Building; Secondary Treatment Tank #3

Equipment installation – Digester gas mixing system; settling tank equipment; axial flow pumps

HVAC and plumbing – Operations Building

Electrical work:

SCADA Panels

MCC's and VFD's

Power Feeders

Generator and main switchgear have been started up

Equipment in all 4 settling tanks is in operation

2. Four copies of Certificates of Substantial Completion for the Boilers at both treatment plants are submitted for the Boards approval. This equipment has been in operation since the start of the heating season. Control equipment is not included in this Certificate of Substantial Completion. The significance of Substantial Completion is the start of the one year period on the equipment.

Commissioner Louis D'Amato **MADE A MOTION** to accept the Certificates of Substantial Completion for the boilers for both treatment plants.

Commissioner Robert Carroll **SECONDED** and it was unanimously carried.

3. Change Order #8 in the amount of \$111,248.00 is submitted to the Board for approval. It includes staging and cleaning of the interior of the cover of the Primary Digester. This Change Order was presented at the last meeting, however a motion was not taken.

Commissioner Michael Brown **MADE A MOTION** to approve Change Order #8 in the amount of \$111,248.00.

Commissioner Robert Carroll **SECONDED** and it was unanimously carried.

4. Change order #15A, in the amount of \$18,812.00 is submitted to the Board for approval. It includes 2 items of work at Housatonic:
  1. Added expansion couplings to isolate pumps from piping..
  2. Added analytical costs and disposal costs for emptying digesters

Commissioner Robert Carroll **MADE A MOTION** to approve Change Order #15A in the amount of \$18,812.00.

Commissioner Louis D'Amato **SECONDED** and it was unanimously carried.

5. Change Order 15B in the amount of \$19,087.00 is submitted to the Board for approval. It includes 2 items of work at Beaver Brook:
  1. Relocate existing floor drains in Belt Filter press room
  2. Miscellaneous time and material work including – Install 2 bollards to protect odor control pipe; remove deteriorated piping from digester; concrete repairs in primary and secondary settling tanks

Commissioner Robert Carroll **MADE A MOTION** to approve Change Order #15B in the amount of \$19,087.00.

Commissioner Louis D'Amato **SECONDED** and it was unanimously carried

6. Change Order #16 in the amount of \$186,626.00 is submitted to the Board for approval. It includes furnishing and installing temporary staging in the primary digester at the Beaver Brook plant and sandblasting and painting the underside of the digester cover and structural steel. After the cover has been sandblasted it will be inspected by a structural engineer. Some additional structural repairs are anticipated.

Commissioner Louis D'Amato **MADE A MOTION** to approve Change Order #16 in the amount of \$186,626.00.

Commissioner Michael Brown **SECONDED** and it was unanimously carried.

7. Earth Tech had the Contractor cut the existing gas piping apart at several locations in the Digester Building at the Beaver Brook plant. The City crew then inspected the interior of the gas piping using the Spy TV camera. It was determined that all of the existing gas piping was heavily obstructed by deposits and needed to be replaced. Change Order #17 in the amount of \$64,368.00 is submitted to the Board for approval for replacement of the existing gas piping in the Digester Building at the Beaver Brook plant.

Commissioner Michael Brown **MADE A MOTION** to approve Change Order #17 in the amount of \$64,368.00.

Commissioner Robert Carroll **SECONDED** and it was unanimously carried.

8. Earth Tech had the Contractor cut the existing gas piping apart in the Digester Building at the Housatonic plant. The City crew then inspected the interior of the gas piping using the Spy TV camera. It was determined that the majority of the piping is in good condition. One section of the existing piping is plugged and will need to be replaced, and some will need to be replaced to accommodate new equipment. The contractor estimates that the cost of gas piping replacement at the Housatonic plant will total no more than \$35,000. We request that the Board approve proceeding with this work.

Commissioner Louis D'Amato **MADE A MOTION** to approve proceeding with this work with the understanding that it could be as much as \$35,000 .

Commissioner Michael Brown **SECONDED** and it was unanimously carried.

9. The temporary staging has been erected by the Contractor in the Housatonic primary digester. Earth Tech has inspected the interior of the digester cover and its structural steel supports and has made recommendations for repairs. These include replacement of all 32 sets of cross bracing; shot-blasting, inspection and repairs to welds at each end of the 16 roof trusses; painting of the new cross bracing and all areas shot-blasted; and shot-blasting and painting of the most heavily rusted portions of the digester rim plate. Carlin has presented a Change Order proposal in the amount of \$143,056.00 which includes an allowance of \$10,000 for welding repairs and \$43,000 for shot-blasting and painting the digester plate. This proposal also includes a credit of \$7,500 for power washing included in Change Order #8 that was not necessary. We request that the Board authorize proceeding with this work.

Commissioner Louis D'Amato **MADE A MOTION** to approve proceeding with this work with the understanding that it could be as much as \$143,056.00 which includes \$10,000 for welding repairs; \$43,000 for shot blasting and painting the digester plate.

Commissioner Robert Carroll **SECONDED** and it was unanimously carried.

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

1. No action due to lack of funding

C. East Broadway Pump Station Relocation

1. The easement for the sewer connecting the East Broadway and Mayflower sites is awaiting approval by DEP and the Attorney General. Once this has been received the borings can be done and the design completed.

## D. Welches Point Pump Stations

1. No action due to lack of funding

**USER FEE REVISIONS/ASSESSMENT REVISIONS**

None

**COMMITTEE REPORTS****Committee to Review Sewer Commission Policy**

Chairman Paul Austin opens up the Sewer Commission Policies for discussion. He asked if there were any questions regarding the Revised Sewer Commission Policies dated January 10, 2008.

Commissioner Michael Brown had a question regarding the installation of Grease Traps. He asked what constitutes a hardship, i.e. cost, etc. This is determined on a case-by-case basis by the Sewer Commission. Jim Cooper, Acting Superintendent at Wastewater Treatment stated that the maintenance of the AGRU's has presented a problem. He had instituted a temporary policy to inspect grease traps; however, the City does not have a regular policy. We want to get the restaurants to begin following regulations by checking and cleaning the grease traps. When we instituted the AGRU Pilot Program in January 2006, the Health Department was on board and had agreed to inspect the AGRU's. An inspection sheet was distributed to the restaurants that would be monitored by the Health Department. We should possibly discuss the hiring of a part time person to inspect the AGRU's and external grease traps. Jim Cooper, Acting Superintendent of Wastewater Treatment stated that DEP feels that the restaurants should be held accountable for problems caused by their grease discharges.

Ray Macaluso, from Westcott and Mapes, Inc. stated that previously when Dick Golubowicz was Superintendent of Wastewater Treatment, restaurants had to present their manifest for grease traps and Automatic Grease Recovery Units to the Sewer Commission. Every restaurant should present this documentation periodically or receive a fine if we do not receive the documentation.

Chairman Paul Austin would like three individuals to review the grease trap maintenance situation and institute a program to review and go forward. Jim Cooper, Acting Superintendent of Wastewater Treatment, City Engineer Robert Brinton and Ray Macaluso of Westcott & Mapes, Inc. were asked to serve on this committee. All three agreed.

Commissioner Michael Brown **MADE A MOTION** to approve the new Sewer Commission Policies revised January 10, 2008 by the committee.

Commissioner Louis D'Amato **SECONDED** and it was unanimously carried.

**CITY ENGINEER**

Robert Brinton, City Engineer updated the Commission on financial status of the facilities plan. Lack of State funding for pump stations like West Avenue and Gulf Pond, and force mains and gravity sewers means these projects will be entirely city-funded. It was noted that the West Avenue and Gulf Pond Pump Stations are the highest priority, also important are East Broadway Pump Station, Buckingham Avenue Force Main, West Avenue Force Main and East Broadway Interceptor Replacement.

City Engineer Robert Brinton presented the As-builts # S472A for Milford Marketplace and recommended acceptance of the relocated public sewer.

Commissioner Robert Carroll **MADE A MOTION** to approve the As-builts #S472A for Milford Marketplace as presented.

Commissioner Louis D'Amato **SECONDED** and it was unanimously carried.

City Engineer, Robert Brinton met with Mayor Richetelli, Raymond Macaluso, from Westcott and Mapes and Philip Craft and Robert Smith. Smith/Craft pointed out that there is development, especially on the Post Road, that they feel is restricted by the general rule of 1,500 gallons per day, for zones which allow mixed use, commercial and residential, especially when it comes to a restaurant which has high water usage.

Commissioner Robert Carroll stated that at a meeting of the Sewer Commission Policies Committee, Philip Craft and Robert Smith had requested verification on how the 1,500 gallons per day per acre was arrived at in several commercial zones along Route 1, and requested to have this calculation revisited and possibly increased. They were concerned that the Sewer Commission was impeding economic development by not revisiting these calculations. The Committee reassured Mr. Craft and Mr. Smith that the Sewer Commission is not against economic development, however, it is Planning and Zoning's job to change the zoning regulations for that part of the Post Road. At that time, the Sewer Commission voice their concerns and determine whether the City's sewer system has the capability to handle the flow. We are very concerned because we are hearing from different sources in the city that the Sewer Commission is trying to hold up economic development.

Chairman Paul Austin stated that the job of the Sewer Commission is to maintain the integrity of the sewer system throughout the city, and to provide sewers to areas which really need sewers such as North of the Post Road or other problem areas. The reasons why we run into a problem with doing something like that is number one funding and number two is the capacity of the sewer system itself-can it handle expanded flow? We are taking a big risk-probably the flow is at maximum now. What we have done in the four special districts so far, we should be able to look at that and do a study as we had done in other areas in the past and hopefully increase the gallonage so that we will be much more business friendly and apparently we seem not to be now.

## **WASTEWATER**

### **Plants**

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

At the Housatonic Plant normal monthly maintenance was performed. We are having problems with a pump at West Avenue pump station vibrating the bolts out, it was removed to be evaluated.

At the Beaverbrook Plant normal monthly maintenance was performed. The plant is having some problems with one of the final tanks being down, it should be back on line soon

### **Collection System**

#### **Pump Stations**

Scheduled maintenance was performed at the following pump station: East Broadway Pump Station.

Other Duties performed by pump station crews:

1. At the Milford Point pump station we had a problem with the emergency generator, and the incoming line power. The United Illuminating Company was called and they replaced a power transformer on the pole. We are still having problems with generator starting automatically.
  2. The cone valve on the #2 pump at the East Broadway pump station has a problem and will not close completely, we are will continue to work on it.
  3. We made provisions to keep our large portable generator at the Post Road pump station by being able to have block heater and battery plugged in and in the ready position. We also worked with sewer crews to clean grease out of the wet well.
  4. At the Old Gate Lane pump station we had a large amount of ground water entering the station through the air supply system. We plugged the line and are going to reroute a new system.
  5. At the Milford Point Road pump station we are having problems with the check valve on the #2 pump. We ordered two new check valves.
  6. The rebuilt gear motor was re-installed at the Rogers Avenue pump station and is working okay. We also installed a new mechanical seal on the #2 sewage pump.
- There were four (4) alarms at pump stations in December: one power outage, 2 for high water and one for low wet well.

### **Sewer Maintenance**

Sewer Maintenance answered eleven (11) complaints.

Sewer Maintenance crews performed scheduled maintenance at five (5) trouble sites citywide: #2, #12 #27, #44, and #49.

Scheduled maintenance was performed on the following equipment: The high velocity sewer jet truck, and all gas powered portable pumps.

There was one (1) sewer excavation in December: at 95 Gordon Road.

Other duty performed by Sewer Maintenance crews:

1. We finished TVing the 30" storm sewer on Merwin Ave and assisted Glenn Behrle from engineering on Vermont Ave. and Rock Lane
2. Sewer maintenance crews worked with pump station crews to dye test Watrous Lane pump station, looking for a force main leak on Brewster Road, the findings were negative.

A total of 5,740 ft. were jet flushed, 1863 feet were TV'ed with our standard TV equipment 257 ft. were spy tv'ed, We also hand rodded 201 ft, used the hydraulic jet root cutter to relieve 75 ft, root treated 156 ft., smoke tested 55 ft. and dye tested 374 ft.

### **Current Events**

Both plants are having some treatment issues with construction at the Housatonic plant there were a couple of days with poor quality effluent while emptying tanks, and at Beaverbrook there were two days with high coliform results while one of the final tanks was down. We received notice from the DEP that we will need to purchase \$306,000 worth of nitrogen credits for 2007, hopefully as new systems come on line at both plants we can start to achieve lower levels of effluent nitrogen in 2008.

In the collection systems we had a major grease blockage on Ormond Street, that caused problems for several homes and a restaurant, the problem reminded us that we have to work on our Fat, Oil, and Grease Programs and protocols to make sure restaurants are doing what they need to do whether it be installation or maintenance of grease systems.

We have gone out to bid on replacing the cone valves at the East Broadway pump station, the current ones are a constant source of problems, one is currently not working properly, and parts are no longer available. Due to the size (14") and location of the cone valves we decided to have the work done by a contractor.

Chairman Austin stated that Al Dente Restaurant was approved May 1, 2003 with a conditional 18 month waiver to install a 1000 gallon exterior grease trap. To date, there has been no installation. We are in the process of hiring a plumber to go through and clean out the laterals along five or six houses along Ormond Street. James Cooper, Acting Superintendent of Wastewater Treatment reported that homeowners in that area state that they have been having problems for about a year and have been dealing with

the problem themselves. Al Dente was sent a letter on January 22, 2008, and given 30 days (February 22, 2008) to conform with the grease trap installation. Chairman Austin states that there has been a system set up in the Sewer Commission office to follow up with conditional approvals so hopefully this type of situation will not develop again

### **CHAIRMAN'S REPORT**

Chairman Austin shared the following Administrative Approvals with the Commission:

995 Bridgeport Avenue – Application was administratively approved to connect a Commercial Dry Cleaners to the City's Sanitary Sewer System. The total approved proposed gallonage for the entire parcel is 1,840 gallons per day. The total gallonage allowed for the entire parcel is 2,340 gallons per day.

16 Oxford Road – Application was administratively approved to connect a proposed dental lab to the City's Sanitary Sewer System. The total approved proposed gallonage for the entire parcel is 480 gallons per day. The total gallonage allowed for the entire parcel is 930 gallons per day.

### **VOTING**

#### **A. PETITIONS - See above**

#### **B. MINUTES**

Commissioner Robert Carroll **MADE A MOTION** to approve the minutes of the Regular Sewer Commission Meeting of January 10, 2008.

Commissioner Louis D'Amato **SECONDED** and it was unanimously carried.

#### **C. PAYMENTS**

Commissioner Robert Carroll **MADE A MOTION** to approve Payment List of February 7, 2008 as follows:

to **Carlin Construction**, Housatonic Plant Upgrades, P.O. 07-0046625-001, Account No. 0026-4154-0036-4994-0025 in the amount of **\$1,300,665.92;**

to **Carlin Construction**, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026-4154-0036-4994-0024 in the amount of **\$645,229.64;**

to **Westcott & Mapes**, East/West Interceptor Sewer Replacement, P.O. No. 07-0047617-001, Account No. 0026-4154-0044-4993-0000 in the amount of **\$22,775.00;**

to **Westcott & Mapes**, Contract 2006, P.O. No. 06-0045211-001, Account No.0026-4154-0039-4993-0000 in the amount of **\$11,065.00;**

to **Westcott & Mapes**, Indian River Manhole Repairs, P.O. No. 07-0047722-001, Account No. 0026-4154-0036-4993-0023 in the amount of **\$5,790.00;**

to **Independent Materials Testing Lab, Inc.** WWTP-Upgrade Project Material Testing, P.O. No. 07-0046973-0001 Account Nos. 0020-4154-0036-4993-0024 and 0026-4154-0036-4993-0024 in the amount of **\$3,032.00;**

to **Earth Tech**, Contract Engineering Services WWTP Upgrade, P.O. No. 06-0045461-001, Account Nos. 0026-4154-0036-4993-0024 and 0026-4154-0036-4993-0025 in the amount of **\$90,493.84.**

The total of Payment List of January 10, 2008 is in the amount of **\$2,079,051.40.**

Commissioner Louis D'Amato **SECONDED** and it was unanimously carried.  
Commissioner

Commissioner Louis D'Amato **MADE A MOTION** to adjourn at 9:40 p.m.

Commissioner Robert Carroll **SECONDED** and it was unanimously carried.

The next meeting of the Board of Sewer Commissioners is scheduled for **Thursday, March 6, 2008 at 7:30 p.m.**

Respectfully submitted,

Cynthia N. Valeo  
Secretary, City of Milford Sewer Commission