

**SEWER COMMISSION**  
**THURSDAY, April 3, 2008**

A Meeting of the Board of Sewer Commissioners was held on April 3, 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; Vice Chairman Donald Anderson;  
Commissioner Michael V. Brown; and Commissioner Louis  
D'Amato

Others Present:                 Robert Brinton, City Engineer, Consultants Westcott &  
Mapes, Inc. Raymond Macaluso and Raymond Paier;  
Consultant Earth Tech - Ken Bradstreet; James Cooper,  
Acting Wastewater Superintendent

Absent:                             Commissioner Robert Carroll

**CITIZENS COMMENTS:**

None

Chairman Paul Austin recognizes Laura Pagliaro, City of Milford Chief of Environmental Division.

Dennis McBride, Director of the Health Department requested that she attend the April 3, 2008 Regular Sewer Commission Meeting. She stated that they read in the minutes of the March 6, 2008 meeting that a Fats, Oils and Grease Committee was created, and she would like to be part of the committee. Paul Austin stated that Bob Brinton, City Engineer, Raymond Macaluso, Westcott & Mapes, Inc. and Jim Cooper, Wastewater Superintendent are part of this committee and that Laura would be welcome to join them at the next committee meeting.

Chairman Paul Austin requests that she set up a meeting with Robert Brinton, City Engineer and Jim Cooper, Acting Wastewater Superintendent .

**EXECUTIVE SESSION:**

Vice Chairman Donald Anderson **MADE A MOTION** to go into Executive Session regarding City of Milford vs Helen Maykut, et al.

Commissioner Michael Brown **SECONDED**.

The following were in attendance at the Executive Session: Chairman Paul Austin, Vice Chairman Donald Anderson; Commissioners Michael Brown and Louis D'Amato;

Marilyn Lipton, City Attorney; and Robert Brinton, City Engineer; and Raymond Macaluso, Westcott & Mapes, Inc.

Commissioner Louis D'Amato **MADE A MOTION** to close the Executive Session.

Vice Chairman Donald Anderson **SECONDED** and it was unanimously carried.

Chairman Paul Austin called the Sewer Commission Regular Agenda meeting to order at 7:44 p.m..

Commissioner Louis D'Amato **MADE A MOTION** to appeal the case of the City of Milford vs Helen Maykut.

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

### **PETITIONS**

None

### **TABLED APPLICATIONS**

None

### **WESTCOTT AND MAPES, INC.**

Raymond Paier, Chief Engineer, Westcott and Mapes presented the April 2008 Report.

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

Westcott and Mapes, Inc. reported that the Contractor Complete Construction remobilized and commenced with his work in the easement area. Additional buried concrete and rock was encountered. The quantity will be formalized and appear on the next estimate.

During the contractor's "cautious excavation" operations, the contractor encountered a buried fuel storage tank in front of the Marine Building on Tuesday April 1<sup>st</sup>. The tank was not breached by the contractor. The Director of Public Works, the City Engineer, Westcott and Mapes, Inc. representatives, Wastewater as well as a licensed tank remover arrived on-site. Upon concurrence with City officials, the contractor was directed to proceed to expose the tank. There was no apparent odor or visual indications of contamination; soils samples were taken and sent to the laboratory for testing. The tank was identified to be a 1,000 gallon gasoline fuel tank.

Complete Construction proceeded with exploratory excavation on a time and materials basis, beyond the tank to determine if there were any additional tanks. There were no others.

A meeting was held with the Director of Public Works, City Engineer, Contractor and Westcott and Mapes, Inc. Complete Construction quoted a price of \$1200 for Tank Tech (Rivercliff Fuel) to pump-out the tank, provide supervision, transport and disposal. Complete Construction used their equipment on a T&M basis to perform the tank removal under the supervision.

An abundance of ledge rock (an estimated 150 cy) was discovered during the contractor's exploratory excavation, as a result, design modification to the pipe alignment was made. There was a minimal horizontal shift in alignment, well within the established easement. The vertical shift is the raising of the proposed pipe approximately 4', maintaining the capacity, yet greatly reducing the projected rock removal.

A sketch of this revision has been issued to the contractor, DPW and Engineering and to the Sewer Commission reflecting this field change. We respectfully request acknowledgement and approval of this field change. The property owners will also be notified of this change in alignment for their information as well.

Raymond Macaluso, Westcott & Mapes, Inc. stated that the house belongs to Mr. Chickos sister. We were going to try to obtain basement service from the other alignments that we had before, but this is now. I want to point out to the Commission that this area is owned by Attorney Ganim and he had recommended a stub at that time because his intention was for future development. Our intention is to send to all the property owners a copy of the plan and profile because at the public hearing we did indicate that they all would be receiving basement service. We want to go on record and advise them that they will not be receiving it because of the change in field conditions and rock. So this way everybody is aware of it.

Ray Paier stated that the other concern is if the rock is so competent that we cannot get through by mechanical means, it would halt the project, and without blasting it would stymie the project.

Commissioner Louis D'Amato **MADE A MOTION** to acknowledge and approve the field change.

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

Overall approximately 1,800 lineal feet of pipe for the entire project has been installed therefore project is approximately 85% complete.

Westcott and Mapes, Inc. presented change order number 5 in the amount of \$43,932.00 to formally document, follow-up and execute the paper work for those work items discussed and approved at the previous meeting. The contractor as mentioned has proceeded and continues to work under these items. Westcott and Mapes, Inc. respectfully requests acceptance of this follow up paper work change order number 5 which is the amount of \$43,932.00.

Westcott and Mapes, Inc. presented Complete Construction Company's Pay Requisition number 5 in the amount of \$3,748.70 for their remobilization item 5.02. (W&M reads the AIA cert pay doc). Westcott and Mapes, Inc. reported that they have reviewed and certified this payment application and respectfully requests payment approval in the amount of \$3,748.70 for Complete Construction Company.

Commissioner Michael Brown **MADE A MOTION** to approve Change Order #5 in the amount of \$43,932.00.

Chairman Donald Anderson **SECONDED** and it was unanimously carried.

**B. Indian River Interceptor Manhole Rehabilitation**

Westcott and Mapes, Inc. reported that the contractor Terre Hill Composites was on site today, and successfully completed all of the punch list items, the project is complete.

Westcott and Mapes, Inc. presented Change Order Number 2 to balance the final quantities. This change order includes an increase in the total amount of manhole linear feet to accommodate the actual as-built field conditions and an elimination of an unused, vertical drop item. Overall the final balancing change order is a deduct in the amount of \$63.84. For exact accounting purposes, Westcott and Mapes, Inc. respectfully requests approval of this final change order for a decrease in the total contract amount by \$63.84 resulting in the final contract price of \$162,974.76.

Commissioner Michael Brown **MADE A MOTION** to approve Change Order #2 for a decrease of \$63.84

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

Westcott and Mapes, Inc. presented Terre Hill Composites payment application number 2 for the balance of the completed work in the amount of \$45,687.17. The only remaining balance shall be the 5% retainer in the amount of \$8,148.74 which is payable after the successful completion of the one year warrantee period. (W&M reads AIA cert payment doc). Westcott and Mapes, Inc. reported that they have reviewed and certified this payment application and respectfully requests payment approval in the amount of \$45,687.17 for Terre Hill Composites.

**C. Wolf Harbor/Avalon**

No change from February 7<sup>th</sup> meeting.

**D. East/West Interceptor**

Westcott and Mapes, Inc. reported that additional funding for this project was approved by the Board of Finance this past Monday. It will be considered by the Board of Alderman at their April 7<sup>th</sup> meeting.

### **EARTH TECH**

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

1. Carlin's Payment Requisition #17 in the amount of \$1,371,629.41 is presented to the Board for approval. This requisition includes work through March 19, 2008 as follows:

#### **Housatonic Plant - \$752,318.58**

Backfill – Clarifier #5 & #6

Site piping – 36" drain, clarifier influent and effluent, & misc.

Concrete work:

UV disinfection chamber, walls and fills

South Reaeration Basin

Roof – Solids Building, Grit & Screenings Building

Handrail and grating

Piping – South Aeration Tank, Galleries, Solids Building

HVAC and Plumbing – Solids Building,, Grit & Screenings Building

Electrical Equipment and instrumentation

MCC's and VFD's

SCADA panels

Duct banks

Power feeders

Primary Settling tank #1 retrofit is complete, has been put on line

#### **Beaver Brook Plant - \$619,310.83**

Handrail and grating

Equipment Deliveries:

Digester boiler (Stored) (\$94,050)

Aeration Control System (\$114,232)

Equipment installation:

Mechanical screen

Aeration diffusers, hyperbolic mixers etc. in secondary basin #3

Piping – Digester Building; Secondary Treatment Tank #3

HVAC

Electrical work:

Power Feeders

UV system has been started up and is in operation

Mechanical Screen is in operation

2. The channel monster at the Housatonic plant failed on Saturday, March 15, with the flow flashing over a baffle installed by Carlin to keep flow out of the new screening channels. The flow then blew out of the ground through a hole in the structure and followed a trench to the primary gallery, where it poured through a 4" cored hole. Although an alarm of basement flooding was received by the Fire Department, the message was not relayed to wastewater. The flooding was discovered by the wastewater crew on Sunday morning, when the water was 30" deep in the primary gallery and about 12" deep in the secondary gallery. Two new blowers were partially submerged as was one grinder and several magnetic flowmeters. Two scissors lifts were also damaged. There was damage to the existing grit blowers and other City equipment. The Contractor has submitted a claim to his insurer.
3. Change Order #22 in the amount of \$59,120.00 is submitted to the Board for approval. It includes the balance of the repairs to the Primary Digester cover at the Housatonic plant. This work includes welding repairs, repainting of repaired areas and sand blasting and painting of the rim plate.

Commissioner Michael Brown **MADE A MOTION** to approve Change Order #22 in the amount of \$59,120.00.

Vice Chairman Donald Anderson **SECONDED** and it was unanimously carried.

2. Change order #23A, in the amount of \$4,682.00 is submitted to the Board for approval. It includes upgrade of the security system at the Housatonic plant to provide features requested by City staff.

Commissioner Louis D'Amato **MADE A MOTION** to approve Change Order #23A in the amount of \$4,682.00.

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

3. Change Order #23B in the amount of \$6,634.00 is submitted to the Board for approval. It includes upgrade of the security system at the Beaver Brook plant to provide features requested by City staff.

Commissioner Louis D'Amato **MADE A MOTION** to approve Change Order #23B in the amount of \$6,634.00.

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

6. Change Order #24 in the amount of \$25,776.00 is submitted to the Board for approval. It includes additional motor starters in the Digester Building and changes in wire size for a feeder to MCC #3.

Commissioner Louis D'Amato **MADE A MOTION** to approve Change Order #24 in the amount of \$25,776.00.

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

7. Repairs are completed to the welds and cross bracing in the Primary Digester at the Housatonic plant. The work is to be inspected by our structural engineer this week, followed by final sand blasting and painting.
8. Sandblasting and painting of the primer coat to the Primary Digester cover at the Beaver Brook plant has been completed. Inspection of the cover is to be made by our structural engineer this week who will identify any additional repairs required.
9. Project Status (Approximate)
 

|   |                     |
|---|---------------------|
| Contract price including Change Order #24 | \$47,318,289        |
| Original Contract Price                   | <u>\$46,667,452</u> |
|   | \$650,837           |
| Estimated remaining unit price items      | <u>-\$302,000</u>   |
| Contingency Utilized to Date              | \$348,837           |

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

1. The Mayor has included funding for these projects in his capital budget, which he presented to the Board of Finance at its meeting on March 31. They approved the package and referred it to the Board of Aldermen for action at its April 7<sup>th</sup> meeting.
2. Pending the outcome of the April 7, Board of Aldermen meeting, Earth Tech will present a contract for Construction Administration and resident services for construction of the improvements to the two pump stations to the Sewer Commission at the May meeting

**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.
2. Pending the outcome of the April 7, Board of Aldermen meeting, Earth Tech will present a contract for Construction Administration and resident services for construction of the replacement of the East Broadway Pump station to the Sewer Commission at the May meeting

**D. Welches Point and Rock Street Pump Stations**

1. Pending the outcome of the April 7, Board of Aldermen meeting, Earth Tech will present a contract for Engineering services for design, construction administration and resident services for improvements to the two pump stations at the May meeting of the Sewer Commission.

**USER FEE REVISIONS/ASSESSMENT REVISIONS**

None

**COMMITTEE REPORTS**

None

**CITY ENGINEER**

City Engineer, Robert Brinton presented the Sewer Facilities Upgrade Projects Expenditures and Encumbrances to Date April 3, 2008. The City has spent 22.7 million since July 1<sup>st</sup>. The Encumbrances go down each time a payment is made. State Grant/Loan finally voted on by the Bond Commission at the end of February. The city had to sign a new funding agreement. The Mayor signed the loan agreement which was Fed-exed this week. There will be a closing at the State Treasurer's Office. We will get a wire transfer approximately April 18<sup>th</sup> that will cover our March bills as well as all the Beaverbrook costs to date that we have been temporarily borrowing money for and the Housatonic Wastewater Treatment that we have been borrowing to pay the bills since December. Approximately 22% Grant and the remaining part is the 2% loan. We applied to get reimbursement of the approximately \$250,000.00 cost to the City for interest and issuance fees for temporary borrowing while we were waiting for the State. As of this month we are back to a normal project cash flow of submitting the bills, getting the money sent to us and then paying the bills.

**WASTEWATER**

Update on the Pit Stop Café. A second letter will be sent stating that the Sewer Commission forwarded the information to the City Attorney's office and to the Health Department.

**Plants**

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

At the Housatonic Plant normal monthly maintenance was performed. The plant is running well despite a limited number of tanks being available, but this severely limiting our ability to remove nitrogen.

At the Beaverbrook Plant normal monthly maintenance was performed. We have been having a problem with alarm switches on the settling tanks being tripped and causing nuisance alarms we have contacted the contractor about this problem.

**Collection System****Pump Stations**

Scheduled maintenance was performed at the following pump stations: Milford Point Road, Roger's Ave., Welches Point Road, and Old Gate Land

Other duties performed by pump station crews:

1. At the Old Gate Lane Pump station we replaced the blower system that brings fresh air into the pump station.



2. Work has begun at the West Mayflower pump station; with coring out of the wet well and installation of the conduit to house the new float system.
3. Heavy rains and melting snow caused a large increase in flows and many clogged pumps through out the system.
4. We had to perform immediate maintenance on the 3 way air supply valve at the Pumpkin Delight Road pneumatic ejector station.
5. A new block heater was installed at the Rogers Ave. pump station, and at the Kinlock Street pump station. We installed a new generator battery at the Ford Street pump station.

There were six (6) alarms at pump stations in February: 3 for power outage, and 3 for high water.

### **Sewer Maintenance**

Sewer Maintenance answered seven (7) complaints.

Sewer Maintenance crews performed scheduled maintenance at four (4) trouble sites citywide: #36, #37 #41, and #47.

Scheduled maintenance was performed on the following equipment: the soil pipe cutter and all portable pump hoses 2" through 6".

There were no sewer excavations in February:

Other duty performed by Sewer Maintenance crews:

1. We assisted the contractor that was relining the manholes in the Indian River Easement
2. The crews worked with building maintenance department jetting out roof drains at the Parson's Complex
3. We also tv'ed a storm drain on Brewster Road for Public Works
4. We worked with Beaverbrook personnel cleaning out the wet well at the Beaverbrook lift station.
5. Several sewer easements were checked for sources of I&I (inflow and Infiltration) to the Welches Point pump station including Calf Pen Meadow, Pond Point Ave, and Beachland Ave.

A total of 10,657 ft. were jet flushed, 861 feet were TV'ed with our standard TV equipment, and 325 ft. were spy tv'ed. We also hand rodded 186 ft, used the hydraulic jet root cutter to relieve 356 ft, root treated 264 ft., smoke tested 175 ft. and dye tested 402 ft. to check for sewer connection.

### **Current Events**

At both treatment plants we are anticipating some of the new equipment and tanks to be put on line in the next couple of months. At the Housatonic Plant the rebuilt primary tank was put on line this week, and at Beaverbrook the stepper screen and ultra violet dis- infection unit are now online.

**CHAIRMAN'S REPORT**

Chairman Paul Austin reported the Administrative Approvals for the month of March 2008.

**220 Rock Lane**

Application is to connect a proposed addition to the manufacturing building to the City's Sanitary Sewer System. The total approved proposed gallonage for the entire parcel is 1,082 gallons per day. The total allowable gallonage is 6,270 gallons per day.

**51 Naugatuck Avenue**

Application is to connect a proposed beauty salon to the City's Sanitary Sewer System. The total approved proposed gallonage for the entire parcel is 9,460 gallons per day. The total allowable gallonage for the entire parcel is 13,377 gallons per day.

**37 Naugatuck Avenue**

Application is to connect a proposed coffee shop to the City's Sanitary Sewer System. The total approved gallonage for the entire parcel is 10,120 gallons per day. The total allowable gallonage for the entire parcel is 13,377 gallons per day.

**1620-1650 Boston Post Road (Milford Marketplace)**

Application is to amend the gallonage. Applicant is deleting one 99-seat (A-1A) restaurant, increasing the remain restaurant (A-1\_ from 141 seats to 175 seats, and an addition of 4,000 square feet of retail. The total allowable gallonage for the entire parcel is 22,515 gallons per day. The amended proposed gallonage for the entire parcel is 20,964 gallons per day.

**192 Meadow Street**

Application is to connect a proposed day care to the City's Sanitary Sewer System. The total proposed gallonage for the entire parcel is 1,200 gallons per day. The total allowable gallonage for the entire parcel is 2,115 gallons per day.

Chairman Paul Austin stated that it had been requested that the Commission attend the Economic Development Commission Meeting on April 23, 2008. Ray Macaluso, Westcott and Mapes, Inc., Ken Bradstreet, Earth Tech, and the City Engineer Robert Brinton will also be attending the meeting. We are asking that Ray Macaluso and Ken Bradstreet do a presentation of the projects for the Economic Development Commission. If that is okay with all parties, Chairman Austin will respond.

**VOTING****A. PETITIONS - See above****B. MINUTES**

Commissioner Michael Brown **MADE A MOTION** to approve the minutes of the Regular Sewer Commission Meeting of March 6, 2008.

Vice Chairman Donald Anderson **SECONDED** and it was unanimously carried.

**A. PAYMENTS**

Commissioner Louis D'Amato **MADE A MOTION** to approve Payment List of April 3, 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 **\$752,318.58**

to **Carlin Construction**, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026-4154-0036-4994-0024 in the amount of **\$619,310.83;**

to **Complete Construction**, Contract 2004-B, P.O. 08-0048976-001, Account No. 0025-4154-0038-4993-0000 in the amount of **\$3,748.70;**

to **Terre Hill Composites, Inc.**, Indian River Interceptor Manhole Rehabilitation, P.O. 08-0049088-001, Account No. 0026-4154-0036-4994-0023 in the amount of **\$45,687.17;**

to **Westcott & Mapes**, Contract 2004B, P.O. No. 07-0047975-001, Account No. 0026-4154-0038-4993-0000 in the amount of **\$22,477.50;**

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 **\$5,480.00;**

to **Westcott & Mapes**, Contract 2006, P.O. No. 06-0045211-001, Account No. 0026-4154-0039-4993-0000 in the amount of **\$2,777.50;**

to **Westcott & Mapes**, Indian River Manhole Repairs, P.O. No. 07-0047722-001, Account No. 0026-4154-0036-4993-0023 in the amount of **\$5,730.00;**

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 **\$2,628.00;**

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 **\$122,281.81.**

The total of Payment List of April 3, 2008 is in the amount of **\$1,582,440.09.**

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

Chairman Donald Anderson **MADE A MOTION** to adjourn at 8:50 p.m.

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

The next meeting of the Board of Sewer Commissioners is scheduled for **Thursday, May 1, 2008 at 7:30 p.m.**

Respectfully submitted,

Cynthia N. Valeo  
Secretary, City of Milford Sewer Commission