

SEWER COMMISSION
THURSDAY, September 4, 2008

A Meeting of the Board of Sewer Commissioners was held on September 4, 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;
and Commissioner Michael V. Brown

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

Absent: Commissioner Louis D'Amato; Commissioner Robert
Carroll

CITIZENS COMMENTS:

Edward Chickos – 30 Bridgeport Avenue

Mr. Chickos had attended the July 10, 2008 and the August 7, 2008 meeting and requested that the City of Milford reimburse him for the purchase and installation of a sewage pump system. Mr. Chickos was assured at the Public Hearing that it would not be necessary for him to install a sewage pump system, however, because of a field change in the plans of the Sewer Infills Contract No. 2004-B it has become necessary for Mr. Chickos to install a sewage pump system. The Commission voted to reimburse Mr. Chickos' costs up to a sum of \$5,000 to purchase and install a sewage pump system, in order to allow his house to be connected to the new city sanitary sewer. The connection must be made within three months (by October 15, 2008) and copies of proposals, paid invoices, cancelled checks, etc. must be submitted to the city to obtain reimbursement.

At the August 7, 2008 Regular Sewer Commission Meeting, Mr. Chickos presented a proposal from Butterworth and Scheck, Inc. in the amount of \$15,650.00. The Commissioners have requested that Mr. Chickos obtain more than one estimate. Robert Brinton, City Engineer, Commissioner Michael Brown and Raymond Macaluso of Westcott and Mapes will work with Mr. Chickos to obtain names of contractors so that he can acquire more estimates. Mr. Chickos requested longer than the 90 days to complete the Commission's request.

Mr. Chickos returned to the September 4, 2008 Regular Sewer Commission Meeting, and stated he hired Attorney Mager. He stated that he has called contractors and has not had any reply from anyone. Mr. Chickos asked for a 30 day extension.

Commissioner Michael Brown **MADE A MOTION** to approve Mr. Chickos' request for a 30 day extension.

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

PETITIONS

None

TABLED APPLICATIONS

None

WESTCOTT AND MAPES, INC.

Raymond Paier, Chief Engineer at Westcott and Mapes, Inc. presented the report.

A. Contract 2004-B Bridgeport Avenue/Riverside Drive

Westcott and Mapes, Inc. reported that all of the work is complete and we have received the certificate of completion and final payment from the contractor. Westcott and Mapes, Inc. has reviewed the application and has certified to the amount requested. On behalf of Complete Construction Company, Westcott and Mapes, Inc. respectfully requests final payment approval no. 8, in the amount of \$21,318.19 for contract 2004-B.

B. Indian River Interceptor Manhole Rehabilitation

No change.

C. Wolf Harbor/Avalon

No change.

D. East/West Interceptor

Westcott and Mapes, Inc. reported that the new 42-inch sewer has been connected to the West Avenue Pump Station and that installation of the first 200-feet of sewer is complete. There have been, however, several deficiencies in the performance of the work, as described in our letter to Mark IV Construction Company, Inc. dated September 3, 2008. We anticipate their response concerning how they will address these deficiencies.

Westcott and Mapes, Inc. also reported that additional work was required to be performed by the Contractor related to by-pass pumping of wastewater during connection of the new sewer to the West Avenue Pump Station. Westcott and Mapes, Inc. kindly presents Change Order No. 1 in the amount of \$5,700 for the cost of this additional work. If approved, the request for payment of this item will occur next month.

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order #1 in the amount of \$5,700.

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

Raymond Macaluso of Westcott & Mapes stated there had been a number of issues with Mark IV beginning on Thursday, August 28, 2008. He distributed a letter that was sent to Thomas DellaBitta of Mark IV dated 9/3/08. Ray stated that Mark IV is not adhering to our specifications.

The first issue outlined in the letter was that on Thursday, 8/28/08, Mark IV failed to open West Avenue to two-way traffic at the end of the workday. The street was left in a condition that was only passable to alternating one-way traffic with no signage provided to warn motorists of the situation. Mark IV was notified at the Pre-Construction Meeting held on May 13, 2008 that they would need to re-open roadways to two-way traffic at the end of each workday. This resulted in the after-hours notification of the Public Works Director, Engineering, and the Police Department.

The second issue outlined in the letter dated 9/3/08 was the use of the brick being used to construct manhole inverts not meeting the specifications. The brick used to construct manhole inverts must conform to ASTM C32, Grade SS. They are required to remove the non-conforming brick and replace it with the appropriate type of brick.

The third issue in the letter stated that Westcott & Mapes, Inc. observed dewatering wastewater being discharged directly into the wetland adjacent to the West Avenue Pump Station. This procedure is contrary to Inland Wetlands approval and to the directive given in Section 02370 – Cofferdam, Temporary Earth Support and Dewatering, Paragraph 3.03.C of the Contract Documents which states in part: Dewatering wastewater shall be discharged to a suitable receiving device such as a Dirtbag, portable sediment basin, or a sediment trap. Westcott & Mapes observed that Mark IV was discharging onto the adjoining property (Gloria Commons catch basin). Ray Macaluso spoke with Gary Montano, owner, and they will be meeting on Friday, September 5, 2008.

Issue No. 4 regarding Mark IV not compacting backfill of excavations according to the project specifications. Additionally, Westcott & Mapes, Inc. observed that extensive excavation had been performed underneath the loading dock serving the West Avenue Pump Station and underneath a 20+/- foot length of the 12-inch water main running along West Avenue. According to Section 01015 Special Requirements, Paragraph 11 of the Contract Documents require in part that: All excavations shall be performed in such a manner and such reasonable precautions taken to avoid damage to pipes, mains or conduits in use.

On Tuesday, September 2, 2008, Westcott & Mapes, Inc. construction representative advised Mark Davis the Mark IV's site foreman intended to leave the 8-inch sanitary sewer serving the Gloria Commons Condominiums disconnected from the sewage collection system until the next morning, allowing raw sewage to discharge into the trench overnight. They were advised that Section 01015 Special Requirements, Paragraph 33.B of the Contract Documents states in part: Sewage will not be permitted

to spill onto the ground. In the event a sewage spill should occur, the Engineer and Connecticut DEP shall be notified.

The letter states that all the preceding items must be addressed without delay. Failure to perform the work as required may result in the work or material not being accepted for payment under this contract; and may also effect Mark IV's ability to continue to perform the work or perform any future work in the City of Milford in accordance with the Contract Documents. Mr. Thomas DellaBitta and Mark IV has been put on notice by Westcott and Mapes, Inc..

Ray Macaluso distributed a memo dated September 4, 2008 from Mary Rose Palumbo, Inland/Wetlands Compliance Officer regarding the East/West Interceptor contractors Mark IV . Mary Rose met with Mark Davis of Westcott & Mapes, Inc. and Tom DellaBitta of Mark IV Construction Company on Thursday, September 4, 2008.

Chairman Paul Austin presented a memo from the City Engineer, Robert Brinton regarding overtime for Engineering staff resulting in time spent on the East/West Interceptor Project with Mark IV

Commissioner Michael Brown **MADE A MOTION** to approve reimbursement of overtime to the Engineering Department in the amount of \$503.00. (\$53.00 payable by the Contractor, Mark IV and \$450.00 payable by the Sewer Commission).

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

E. East Broadway Interceptor

Westcott and Mapes, Inc. reported that the Contract Agreement for this project has been signed and is presently being reviewed by the City Agencies. In the meantime, Contractor submittals for materials and methods of construction for this project are being reviewed. On August 28th Westcott and Mapes, Inc. met on-site with Mark IV Construction Company, Inc. and Sgt. Sharoh of the Milford Police Traffic Division to discuss coordination for having parked cars moved from the work area, allowing for passage of traffic during construction, and for minimizing the inconvenience to residents living along East Broadway.

F. West Avenue Parallel Force Main

Westcott and Mapes, Inc. reported that CGS Section 8-24 approval for the necessary easements for the project was received from the Planning and Zoning Board on September 2nd. The project will be presented to the Board of Aldermen on September 8th for their approval.

G. Indian River Interceptor Replacement

Westcott and Mapes, Inc. reported that plans and specifications for this project are nearly complete and that easements are being acquired, which will then go before the Planning and Zoning Board and Board of Aldermen for authorization.

H. Buckingham Avenue Force Main

Westcott and Mapes, Inc. reported that engineering design for this project is ongoing.

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

1. Carlin's Payment Requisition #22 in the amount of \$1,698,138.37 is presented to the Board for approval. This requisition includes work through August 15, 2008 as follows:

Housatonic Plant - \$941,507.10

Site work

Clarifier #5 & #6

Solids Handling Building

North Reaeration Basin

North Anoxic and Aeration Basins

Delivery of odor control equipment - \$190,000

The mechanical screen is on-line

Startup of the Solids Handling Building is scheduled for next week

Beaver Brook Plant - \$756,631.27

Site Work

Installation of raw sewage pumps

Delivery of odor control system - \$175,750

Installation of Odor Control system

Installation of blower control system

Completion of major work at Beaver Brook is projected within 2 months

2. Change Order #41 in the amount of \$6,118.00 is submitted to the Board for approval. It includes additional asphalt walkways at the Beaver Brook plant, done at the request of the operators to improve access to treatment tanks and the UV system.

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order #41 in the amount of \$6,118.00.

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

3. Change Order #42 in the amount of \$18,040.00 is submitted to the Board for approval. It includes replacement of hallway ceilings, replacement of soffits over windows and replacement of existing ceiling lighting in the Operations Building and replacement of lighting in the boiler room of the Digester Building at the Beaver Brook plant.

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order #42 in the amount of \$18,040.00.

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

4. Change Order #43 in the amount of \$10,461 is submitted to the Board for approval. It includes the following items of work done on the basis of T&M at the Beaver Brook plant:
 - A. Repair existing clogged drains in the polymer room and provide a drain and vent for the new gas separator in the Digester Building
 - B. Provide piping to feed polymer to the settling tanks at the request of the operators.
 - C. Replace inoperable valve on the sludge feed piping to the Secondary Digester.

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order #43 in the amount of \$10,461.00.

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

5. Change Order #44 in the amount of \$18,955.00 is submitted to the Board for approval. It includes repair of a leaking section of low pressure air main adjacent to the Operations Building at the Beaver Brook plant. Air bubbles were noted coming through the ground after a storm and exploratory excavation indicated that a section of pipe was deteriorated and leaking. The repair was done on an urgent basis on the basis of time and material. The repair was made using a fabricated stainless steel assembly which included two elbows, a vertical section of pipe and a horizontal section of pipe, connected to the existing piping using a dresser coupling.

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order #44 in the amount of \$18,955.00.

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

6. Change Order #45 in the amount of \$3,588.00 is submitted to the Board for approval. It includes an increase in the \$20,000 Utility allowance provided in the Contract specifications to cover added costs in providing load shedding equipment required by the UI Co. and gas regulators required to reduce pressure at the gas meter locations to that required by the boilers and other equipment installed.

Vice Chairman Donald Anderson **MADE A MOTION** to approve change order #45 in the amount of \$3,588.00.

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

7. Project Status (Approximate)

Contract price including Change Order #45	\$47,699,468
Original Contract Price	\$46,667,452
	\$1,032,016
Estimated remaining unit price items	- \$302,000
Contingency Utilized to Date	\$730,016

8. A meeting was held on August 13, 2008 with Jim Cooper and his staff, the electrical subcontractors, Carlin and Earth Tech's electrical engineer to discuss the status of the existing telephone system. The Contract specifications call for utilizing the existing telephone system and linking it to a new plant intercom system. The consensus was that the existing telephone systems are obsolete and failing and need to be replaced. Carlin brought in the representative of Business Electronics Inc., who made a presentation on telephone systems that serve the needs of both plants. Carlin has since presented Change Order proposals for replacement of the telephone systems at both plants; \$10,288 for Beaver Brook and \$15,891 for Housatonic. We are presently negotiating these Change Order proposals with Carlin, however we ask that the Board act on these proposals in concept so that we can proceed with the work.

The consensus of the Sewer Commission was that an independent telephone consultant should be retained to recommend the telephone systems (vs a sales/installation company).

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 approximately 6 months following advertisement of the force main project.

C. East Broadway Pump Station Relocation

1. The wording for the easement for the sewer connecting the East Broadway and Mayflower sites is being negotiated between the City Attorney and the Attorney General's office. After it is finalized it will go to the Planning and Zoning Commission and then to the Board of Alderman for approval.
2. Earth Tech is proceeding with design of the Mayflower Pump Station.

D. Welches Point and Rock Street Pump Stations

1. Earth Tech has started design work on this project.

USER FEE REVISIONS/ASSESSMENT REVISIONS

None

COMMITTEE REPORTS

Fats, Oil and Grease Committee met on 9/4/08. Committee members in attendance were Jim Cooper, Acting Wastewater Supervisor; Commissioner Michael Brown and Bob Brinton, City Engineer. The discussion centered around the possible hiring of staff to inspect grease traps. It was suggested that we contact our Acting Personnel Director, John O'Connell. Possibly hiring another sewer line mechanic and assigning grease trap inspection as part of their duties.

The Committee also discussed known grease problems in town, e.g. McDonald's. They do not have exterior grease traps. They are currently operating with a small "shoebox" grease trap under the sink. It has been determined that the Concord Avenue and Roses Mill Pump Stations handle a great deal of grease from the McDonalds Restaurants. The Commission has requested that a letter be sent to the Trefz Corporation asking them to set up a meeting with the Sewer Commission to discuss the installation of exterior grease traps. The City Engineer will draft a letter to be signed by the Chairman of the Sewer Commission.

CITY ENGINEER

Bob Brinton, City Engineer presented the Sewer Facilities Upgrade Projects Expenditures and Encumbrances to Date – dated September 3, 2008.

WASTEWATER**Plants**

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

At the Housatonic Plant normal monthly maintenance was performed. The plant is running well. We are adjusting to using the new equipment and systems as they come on line. The new aeration system and mixers in the anoxic tanks are working well.

At the Beaverbrook Plant normal monthly maintenance was performed. The ultra-violet dis-infection system is working well. We are hoping to see improved nitrogen removal numbers over the next couple of months.

Collection System**Pump Stations**

Scheduled maintenance was performed at the following pump stations: Bowling Green Pump Station, Concorde Ave., and Watrous Lane Pump Station

Other duties performed by pump station crews:

1. We repaired the side gate at the East Broadway Pump Station, the hinges had worked loose from bricks.
2. At the East Broadway Pump Station one of the new check valves has been installed

There were three (3) alarms at pump stations in July: 2 for power outage, and 1 for high water.

Sewer Maintenance

Sewer Maintenance answered seven (7) complaints.

Sewer Maintenance crews performed scheduled maintenance at five (5) trouble sites citywide: #7, #23 #24, #25, and #47.

Scheduled maintenance was performed on the following equipment: the 2" Flygt submersible pumps, the Silver Sands Tide Gate, and Hurco gas smoke blower.

There were one sewer excavations in July: #10 Furniture Row

Other duty performed by Sewer Maintenance crews:

1. Check odor complaints in marshy areas, worked with Wastewater lab techs and Health department.
2. Had gates installed for manhole access behind the Post Mall.
3. Washed down scale at the transfer site.
4. Helped pump station crews repair valve pit at Holley St. Pump Station
5. Opened manholes for Wescott and Mapes.
6. Cleared mainline blockage on Dewey Ave.

A total of 14,160 ft. were jet flushed, 1025 feet were TV'ed with our standard TV equipment, and 320 ft. were spy tv'ed. We also hand rodded 255 ft, used the hydraulic jet root cutter to relieve 185 ft, root treated 525 ft., smoke tested 500 ft. and dye tested 480 ft. to check for sewer connection.

CHAIRMAN'S REPORT

232 & 242 Boston Post Road - Application to connect a proposed Aldi Food Market to the City's Sanitary Sewer System. The total approved proposed gallonage for the entire parcel is 4,348 gallons per day. The allowable gallonage for the entire parcel is 7,448 gallons per day.

40 Quirk Road - Application to connect a proposed school to the City's Sanitary Sewer System. The total approved proposed gallonage for the entire parcel is 800 gallons per day.

42 Naugatuck Avenue - Application to connect a proposed art gallery to the City's Sanitary Sewer System. The total approved proposed gallonage for the entire parcel is 295 gallons per day.

565 Bic Drive - Application to discharge hydrostatic pressure test water into the City's Sanitary Sewer System. A charge of \$.04 per gallon will be charge. Wastewater will be notified 24 hours in advance prior to discharge.

532 Boston Post Road - Application to connect a proposed 5 efficiency units and 1 one bedroom apartment to the City's Sanitary Sewer System. The total approved proposed gallorage for the entire parcel is 572 gallons per day.

335 Meadowside Road - Application to connect the proposed 13 one-bedroom apartments to the City's Sanitary Sewer System. The total approved proposed gallorage for the entire parcel is 1,470 gallons per day.

VOTING

A. PETITIONS - See above

B. MINUTES

Commissioner Michael Brown **MADE A MOTION** to approve the minutes of the Regular Sewer Commission Meeting of August 7, 2008.

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

A. PAYMENTS

Vice Chairman Donald Anderson **MADE A MOTION** to approve Payment List of September 4, 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 **\$941,507.10;**

to **Carlin Construction**, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026-4154-0036-4994-0024 in the amount of **\$756,631.27;**

to **Complete Construction**, Contract 2004-B, P.O. 08-0048976-001, Account No. 0025-4154-0038-4993-0000 in the amount of **\$21,318.19;**

to **Westcott & Mapes**, Buckingham Avenue Force Main, P.O. No. 08-0050540-001, Account No. 0026-4154-0045-4993-0000 in the amount of **\$9,402.50;**

to **Westcott & Mapes**, East/West Interceptor Sewer Replacement, P.O. No. 08-0050648-001, Account No. 0026-4154-0044-4993-0000 in the amount of **\$13,270.00;**

to **Westcott & Mapes**, East Broadway Interceptor Replacement Construction, P.O. No. 07-0047721-001, Account No. 0026-4154-0036-4993-0027 in the amount of **\$9,332.50;**

to **Westcott & Mapes**, Indian River Interceptor, Contract Administration P.O. No. 08-0050659-001, Account No. 0026-4154-0036-4993-0033 in the amount of **\$4,120.00;**

to **Westcott & Mapes**, West Avenue Parallel Force Main, P.O. No. 08-0050658-001, Account No. 0026-4154-0044-4993-0000 in the amount of **\$16,440.00;**

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 **\$1,090.63;**

to **Earth Tech**, West Avenue/Gulf Pond, P.O. No. 04-0038905-001, Account No. 0026-4154-0036-4993-0021; in the amount of **\$3,200.00;**

to **Earth Tech**, East Broadway Pump Station Replacement, P.O. No. 05-0043160-001, Account No. 0026-4154-0036-4993-0022 in the amount of **\$3,975.00;**

to **Earth Tech**, Rock Street & Welches Point Pump Station, P.O. No. 08-0050651-001, Account Nos. 0026-4154-0036-4993-0028 in the amount of **\$657.08;**

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 **\$178,258.41.**

The total of Payment List of September 4, 2008 is in the amount of **\$1,959,199.68.**

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

Commissioner Michael Brown **MADE A MOTION** to adjourn at 9:00 p.m..

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

The next meeting of the Board of Sewer Commissioners is scheduled for **Thursday, October 2, 2008 at 7:30 p.m.**

Respectfully submitted,

Cynthia N. Valeo, Clerk
City of Milford Sewer Commission