

SEWER COMMISSION
THURSDAY, May 1, 2008

A Meeting of the Board of Sewer Commissioners was held on May 1, 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 Michael V. Brown;
and Commissioner Robert Carroll

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

Absent: Vice Chairman Donald Anderson; Commissioner Louis D'Amato

CITIZENS COMMENTS:

None

PETITIONS

1. 166-168 Bridgeport Avenue – Two Friends Pizza
Ruth Rodriguez, 166 Bridgeport Avenue, Milford

Application is for approval of the installation of an Automatic Grease Recovery Unit (AGRU) at 166 Bridgeport Avenue.

This is an existing pizza restaurant that changed hands and did not have any type of grease system installed. Applicant is asking for approval of the installation of an AGRU.

Jim Cooper, Acting Superintendent will contact Ms. Rodriguez to discuss the maintenance agreement that she had obtained. Ms. Rodriguez may need to locate another company to maintain the AGRU, as the present company, Darling International, Inc. may not be appropriate for the type of grease that will be generated by the restaurant.

Commissioner Robert Carroll **MADE A MOTION** to approve the installation of an Automatic Grease Recovery Unit at 166 Bridgeport Avenue.

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

(HOUSATONIC)

(APPROVED)

TABLED APPLICATIONS

None

WESTCOTT AND MAPES, INC.

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

A. Contract 2004-B Bridgeport Avenue/Riverside Drive

Westcott and Mapes, Inc reported, that Complete Construction Company has finished the installation of all of the sewers for the Bridgeport Avenue/Riverside Drive sewer contract 100%. Westcott and Mapes, Inc. issued the certificate of substantial completion to the contractor. The only work remaining is the milling and paving, removal of the stockpiled material, and restoration and clean-up.

Westcott and Mapes, Inc. presented change order number 6 the formalized paperwork which accounts for the items we discussed at the previous meeting that is the change in the vertical alignment of the pipe, the additional rock and removal of buried concrete, and additional laboratory testing of excavated materials. The total amount of change order number 6 is \$13,577.50. We have reviewed the quantities and found them to be in order, on-behalf of the Complete Construction Co., we respectfully request the sewer commissions acceptance and approval of change order number 6 in the amount of \$13,577.50.

Commissioner Robert Carroll **MADE A MOTION** to approve change order number 6 in the amount of \$13,577.50.

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

Westcott and Mapes, Inc. presented Complete Construction Company's Application and Certification for Payment number 6 which includes the reduction in retainage to the standard 2% and includes the contractual work done to date. (W&M reads AIA cert payment doc). Westcott and Mapes, Inc. has reviewed the application and quantities and has certified to the amount requested we respectfully request payment approval in the amount of \$189,525.88 for Complete Construction Co.

Lastly, Westcott and Mapes, Inc. presented change order number 7. This change order formalizes the cost of removal and disposal of the tank and additional associated exploratory work on a T&M basis. This change order is instituted at the directive of the City of Milford, Director of Public Works, for the proposed costs presented by the contractor associated with removal and disposal of the contained waste stockpile material. The work is to include on-site screening the material and removal/disposal of the rock/cobbles by the contractor, also, waste management services by Clean Slate Environmental, Inc. to include loading, trucking, hauling, final testing and disposing of the surplus

materials in the WSA and removal and disposal of the WSA containment by Complete Construction Co. The total amount of change order number 7 is \$36,481.08. On behalf of the City of Milford, at the directive of the Public Works Director, Westcott and Mapes, Inc. respectfully requests acceptance and approval by the Sewer Commission for change order number 7 in the amount of \$36,481.08 for Complete Construction Co.

Commissioner Robert Carroll **MADE A MOTION** to approve change order number 7 in the amount of \$36,481.08.

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

B. Indian River Interceptor Manhole Rehabilitation

Westcott and Mapes, Inc. reported no change that the Manhole Rehabilitation project is complete, the work is under the 1 year warrantee period. No problems.

C. Wolf Harbor/Avalon

No change from February 7th meeting.

D. East/West Interceptor

Westcott and Mapes, Inc. reported that the contract for this project has been awarded to Mark IV Construction Company, Inc. and their bid of \$3,151,011 accepted. The pre-construction meeting for this project will be held on May 13th and construction is expected to start in June.

E. East Broadway Interceptor

Westcott and Mapes, Inc. reported that this project will be out for re-bid on May 5th. A mandatory pre-bid conference will be held on May 15th and bids will be opened on June 4th. Westcott and Mapes, Inc. respectfully requested acceptance of Amendment No. 1 to its Agreement with the Commission in the Amount of \$20,100 related to the rebidding of this contract and approval by the City of Milford Finance Board at their meeting held March 31, 2008 and the Board of Alderman at their meeting held April 7, 2008.

Commissioner Robert Carroll **MADE A MOTION** to approve Amendment No 1 in the amount of \$20,100 related to the rebidding of this contract.

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

F. West Avenue Parallel Force Main

Westcott and Mapes, Inc. reported that design for this project is near completion and that it will be presented to the Inland Wetlands Agency for their approval on

May 21st. The project is expected to be bid in June. Westcott and Mapes, Inc. respectfully requested acceptance of its Agreement for consulting engineering construction services in the amount of \$330,000 and approval by the City of Milford Finance Board at their meeting held March 31, 2008 and the Board of Alderman at their meeting held April 7, 2008.

Commissioner Michael Brown **MADE A MOTION** to approve the agreement for consulting engineering construction services in the amount of \$330,000.

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

G. Indian River Interceptor Replacement

Westcott and Mapes, Inc. reported that design work for this project is being completed, after which it will be scheduled for wetlands, CAM and easement approval. Westcott and Mapes, Inc. respectfully requested acceptance of its Agreement for consulting engineering construction services in the amount of \$198,000 and approval by the City of Milford Finance Board at their meeting held March 31, 2008 and the Board of Alderman at their meeting held April 7, 2008.

Commissioner Robert Carroll **MADE A MOTION** to approve the agreement for consulting engineering services in the amount of \$198,000.

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

H. Buckingham Avenue Force Main

Westcott and Mapes, Inc. respectfully requested acceptance of its Agreement for consulting engineering design and construction services in the amount of \$360,000 and approval by the City of Milford Finance Board at their meeting held March 31, 2008 and the Board of Alderman at their meeting held April 7, 2008.

Commissioner Robert Carroll **MADE A MOTION** to approve the agreement for consulting engineering design and construction services in the amount of \$360,000.

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

EARTH TECH

A. Housatonic & Beaver Brook Wastewater Treatment Plant

1. Carlin's Payment Requisition #18 in the amount of \$2,469,464.94 is presented to the Board for approval. This requisition includes work through April 18, 2008 as follows:

Housatonic Plant - \$1,736,932.16

Backfill – South side of site

Site piping – 36" drain, misc. piping

Masonry – Solids Handling Bldg., Grit & Screenings Bldg., Utility Bldg.

Painting - Solids Handling Bldg., Grit & Screenings Bldg., clarifiers

Equipment deliveries:

Chemical metering pumps - \$22,500

Circular clarifiers - \$285,750

Aeration diffuser system - \$370,500

Samplers - \$16,815

Equipment installation – clarifiers, UV system, polymer system

Process Piping

HVAC and Plumbing

Electrical Equipment and instrumentation

Fiber optic system

Duct banks

Power feeders and control wiring

Work on various change orders

Beaver Brook Plant - \$732,532.78

Handrail and grating

Lift station slab

Operations Building roof

Fencing

Equipment Deliveries:

Chemical metering pumps - \$28,405

Equipment installation – pumps, UV structure bridge crane, aeration control system

Equipment startup – mechanical screen, UV system

Process Piping

HVAC & plumbing

Electrical and Instrumentation work:

Fiber optic system

SCADA system programming

Power Feeders and control wiring

Work on various change orders

2. Change Order #25 in the amount of \$34,136.00 is submitted to the Board for approval. It includes modifications to Distribution Box #2 at the Housatonic plant, including modifications to the concrete platform and additional diamond plate and supporting beams. It also includes forming and filling around the influent pipes at the bottom of the box, and the addition of aluminum baffles.

Commissioner Michael Brown **MADE A MOTION** to approve change order number 25 in the amount of \$34,136.00.

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

3. Change order #26, in the amount of \$29,494.00 is submitted to the Board for approval. It includes replacement of scum skimmers in Distribution Box #1 at the Housatonic plant with new stainless steel skimmers. The existing skimmers had rusted out and the mechanisms are no longer functional.

Commissioner Robert Carroll **MADE A MOTION** to approve change order number 26 in the amount of \$29,494.00.

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

4. Change Order #27 in the amount of \$11,092.00 is submitted to the Board for approval. It includes three items of work at the Beaver Brook plant, including the addition of a 10" plug valve on the plant water suction, 120v power feed to the BFP speed control panel and extension of a 1" water line to serve the new mechanical screen,

Commissioner Robert Carroll **MADE A MOTION** to approve change order number 27 in the amount of \$11,092.00.

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

6. Change Order #28 in the amount of \$12,375.00 is submitted to the Board for approval. It includes upgrade of the kitchen at the Beaver Brook plant. Work includes a new range, microwave, sink, base cabinets, wall cabinets and associated plumbing and electrical.

Commissioner Michael Brown **MADE A MOTION** to approve change order number 28 in the amount of \$12,375.00.

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

7. Change Order #29 in the amount of \$28,568.00 is submitted to the Board for approval. It includes repair of structural steel on the interior of the primary digester cover at the Beaver Brook plant. Work includes repair of a badly deteriorated beam, steel plate patching of holes in the rim plate and plug welding of perforations through the rim plate.

Commissioner Robert Carroll **MADE A MOTION** to approve change order number 29 in the amount of \$28,568.00.

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

8. Change Order #30 in the amount of \$22,506.00 is submitted to the Board for approval. It includes replacement of existing roof flashing and fascia for the

Operations Building and Digester Building. This flashing was to have been retained however because of the way it was originally installed it could not be reused.

Commissioner Robert Carroll **MADE A MOTION** to approve change order number 30 in the amount of \$22,506.00.

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

9. The fill piping and supports on the primary digester at the Beaver Brook plant was found to be badly deteriorated and must be replaced. The approval of the Board is requested to proceed with this work.

10. Project Status (Approximate)	
Contract price including Change Order #30	\$47,456,460
Original Contract Price	<u>\$46,667,452</u>
	\$789,008
Estimated remaining unit price items	<u>- \$302,000</u>
Contingency Utilized to Date	\$487,008

Commissioner Robert Carroll **MADE A MOTION** to approve request to proceed with the replacement of fill piping and supports on the primary digester at the Beaver Brook plant that was found to be badly deteriorated.

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

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

1. The Board of Aldermen approved an ordinance providing funding for construction of this project at its April 7, 2008 meeting.
2. Earth Tech hereby respectively submits for approval and signature, an agreement for engineering services during construction of the improvements to the West Avenue and Gulf Pond Pumping Stations. This agreement includes final packaging of the plans and specifications, bid phase services, engineering services during construction and the services of a resident observer. The basis of fees will be cost plus a fixed fee with an upset limit of \$575,000.00.

Commissioner Robert Carroll **MADE A MOTION** to approve the agreement for engineering services during construction of the improvements to the West Avenue and Gulf Pond Pumping Stations in the amount of \$575,000.00.

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

C. East Broadway Pump Station Relocation

1. The draft easement for the sewer connecting the East Broadway and Mayflower sites has been approved and is awaiting signature by all parties. An executed agreement is expected within the month. Once this has been received the borings can be done and the design completed. Earth Tech will proceed with the goal of getting this project advertised for bids by late summer or early fall.
2. The Board of Aldermen approved an ordinance providing funding for construction of this project at its April 7, 2008 meeting.
3. Earth Tech hereby respectively submits for approval and signature, an agreement for engineering services during construction of the West Mayflower Place Pump Station, upgrades to the existing sewer system and demolition of the existing East Broadway and Mayflower Pump Stations. This agreement includes bid phase services, engineering services during construction and the services of a resident observer. The basis of fees will be cost plus a fixed fee with an upset limit of \$598,900.00.

Commissioner Michael Brown **MADE A MOTION** to approve the agreement for engineering services during construction of the improvements to the West Mayflower Place Pump Station in the amount of \$598,900.00.

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

D. Welches Point and Rock Street Pump Stations

1. The Board of Aldermen approved an ordinance providing funding for design and construction of this project at its April 7, 2008 meeting.
2. Earth Tech hereby respectively submits for approval and signature, an agreement for design and construction phase engineering services for improvements to the Rock Street and Welches Point Pumping Stations including increasing capacity and other improvements. This agreement includes topographic survey, environmental and permitting services, design services, bid phase services, engineering services during construction and the services of a resident observer. The basis of fees will be cost plus a fixed fee with an upset limit of \$525,000.00.

Commissioner Robert Carroll **MADE A MOTION** to approve the agreement for engineering services for improvements to the Rock Street and Welches Point Pumping Stations in the amount of \$525,000.00.

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

USER FEE REVISIONS/ASSESSMENT REVISIONS

None

COMMITTEE REPORTS

Jim Cooper, Acting Superintendent of Wastewater reported on the Grease Committee Meeting.

Attendance: Bob Brinton, City Engineer, Ray Macaluso, Westcott and Mapes, Inc.; Laura Pagliaro, Health Department; Jim Cooper, Acting Superintendent Wastewater; Cynthia Valeo, Clerk, Sewer Commission.

Update on the Pit Stop Café. A third letter was sent to the Pit Stop on April 14, 2008, with a copy to the Department of Environmental Protection and to the City Attorney's office. John Miranda, owner of the Pit Stop contacted the Sewer Commission stating that before he received this letter he did not know about the deadline, however, he has two contractors pricing the job, and he is actively pursuing installation as soon as possible. The City Attorney's office followed up with the letter to Mr. Miranda on April 21, 2008. The grease trap is scheduled to be installed on May 1, 2008.

We mentioned the need to make a list of the restaurants that we know or believe have no grease trap and start letting them know that there are regulations that will require them to install an approved grease trap by 2011. While this may have been done once an official notice from the city may help get them going sooner.

We discussed a recurring problem of property owner versus business owner as far as responsibility for maintenance of an existing grease trap. I think for our purposes we must deal with the property owner. Even though the owner may have assigned the responsibility through the lease to the business owner, I don't know if we should seek a legal opinion about this.

We decided we need to see if there is a part of the Code of Ordinances that deals with the responsibility to maintain the owners part of the sewer system.

I brought up a few restaurants to be sent letters informing them of a more immediate need to put in approved grease traps in particular three McDonald's Restaurants two on the turnpike and the one on Bridgeport Ave.

We discussed with Laura Miller about the possibility of getting feedback from the Sanitarians on whether or not the restaurants they inspect have been having their grease traps cleaned and are filling out the log sheets the Health Department and Wastewater sent out. And that we are not looking for them to confront or enforce the grease regs. but if we could get some information back on their findings.

We also discussed ways to get notifications of restaurants changing owners. Currently the only notification with no change of use is to the Health Department, Laura said she would try to have something done to have the new owner get a sign off from the Engineering Department or Sewer office. Ray suggested talking with Planning and Zoning or the Assessor's Office for businesses with a change of use, or owner.

And finally I mentioned a large mainline blockage on Milford Point Road, we believe was caused by the kitchen from Jonathon Law High School. We have been in touch with Pat Bradbury from the Board of Education to see about having their grease trap taken care of.

CITY ENGINEER

City Engineer, Robert Brinton presented the Sewer Facilities Upgrade Projects Expenditures and Encumbrances to Date May 1, 2008.

WASTEWATER

Plants

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

At the Housatonic Plant normal monthly maintenance was performed. The plant is running well. We are hopeful of having some of the new aeration tanks on by the end of May

At the Beaverbrook Plant normal monthly maintenance was performed. We have the Ultra Violet disinfection system on line and the stepper screen for pre-treatment.

Collection System

Pump Stations

Scheduled maintenance was performed at the following pump stations: Sailor's Lane, Carriage Drive, Pumpkin Delight and Live Oaks

Other duties performed by pump station crews:

1. At the East Broadway Pump Station we are preparing the station for the hydraulically operated check valves that are to be installed soon.
2. We are also installing a new control system to keep the station going until its scheduled replacement.
3. A new float system with a high water alarm was installed at the Mayflower Pump Station to control the operation of the pumps.
4. We had to call in a field technician at the Rogers Ave. Pump Station to repair the transfer switch for the emergency generator.
5. The block heater for the emergency generator at the Crowley Avenue Pump Station was replaced.

There were thirteen (13) alarms at pump stations in March: 7 for power outage, 3 for high water, 1 for station trouble, and 1 for control power.

Sewer Maintenance

Sewer Maintenance answered twelve (12) complaints.

Sewer Maintenance crews performed scheduled maintenance at nine (9) trouble sites citywide: #7, #8 #9, #26, #27, #29, #33, #38 and #39.

Scheduled maintenance was performed on the following equipment: Silver Sands Tide Gate, the Atlas Copco air compressor, and the Hurco smoke generator.

There were two sewer excavations in March: Pomona, Peck Lane.

Other duty performed by Sewer Maintenance crews:

1. We are continuing to inspect grease trap around the city to find where are grease problem are coming from and find grease trap problems like missing pipes or baffles.
2. We assisted the housing authority with the TV ing of storm sewers around the Jepson Drive senior center.
3. The sewer maintenance crews assisted the pump station crews on several projects notably East Broadway and Mayflower Place Pump Stations.

A total of 15,467 ft. were jet flushed, 997 feet were TV'ed with our standard TV equipment, and 427 ft. were spy tv'ed. We also hand rodded 386 ft, used the hydraulic jet root cutter to relieve 421 ft, root treated 232 ft., smoke tested 280 ft. and dye tested 250 ft. to check for sewer connection.

CHAIRMAN'S REPORT

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

20 Lansdale Avenue – Jonathan Law High School

Application was administratively approved to install an acid neutralizing system within the sanitary sewer system. This system will be located in the courtyard and will be used by the Science classroom

80 Foran Road – Foran High School

Application was administratively approved to install an acid neutralizing system within the sanitary sewer system. This system will be located in the courtyard and will be used by the Science classroom

VOTING

A. PETITIONS - See above

B. MINUTES

Commissioner Michael Brown **MADE A MOTION** to approve the minutes of the Regular Sewer Commission Meeting of April 3, 2008.

Chairman Paul Austin **SECONDED** and it was unanimously carried.

A. PAYMENTS

Commissioner Robert Carroll **MADE A MOTION** to approve Payment List of May 1, 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 **\$1,736,932.16;**

to **Carlin Construction**, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026-4154-0036-4994-0024 in the amount of **\$732,532.78;**

to **Complete Construction**, Contract 2004-B, P.O. 08-0048976-001, Account No. 0025-4154-0038-4993-0000 in the amount of **\$189,525.88;**

to **Westcott & Mapes**, Contract 2004B, P.O. No. 07-0047975-001, Account No. 0026-4154-0038-4993-0000 in the amount of **\$16,597.50;**

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 **\$1,480.00;**

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 **\$1,237.50;**

to **Westcott & Mapes**, Indian River Manhole Repairs, P.O. No. 07-0047722-001, Account No. 0026-4154-0036-4993-0023 in the amount of **\$309.95;**

to **Westcott & Mapes**, Indian River Interceptor, P.O. No. 05-0041341-001, Account No. 0026-4154-0036-4993-0023 in the amount of **\$945.00;**

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 **\$3838.00;**

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 **\$89,636.71.**

The total of Payment List of May 1, 2008 is in the amount of **\$2,773,035.48.**

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

Commissioner Robert Carroll **MADE A MOTION** to adjourn at 9:00 p.m.

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

The next meeting of the Board of Sewer Commissioners is scheduled for **Thursday, June 5, 2008 at 7:30 p.m.**

Respectfully submitted,

Cynthia N. Valeo
Secretary, City of Milford Sewer Commission