

SEWER COMMISSION
THURSDAY, June 5, 2008

A Meeting of the Board of Sewer Commissioners was held on June 5, 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;
Consultants Earth Tech - Ken Bradstreet and Charlie
Smith; James Cooper, Acting Wastewater Superintendent;
(entered the meeting at 7:55 p.m.)

Absent: Commissioner Robert Carroll

CITIZENS COMMENTS:

None

PETITIONS

TABLED APPLICATIONS

None

WESTCOTT AND MAPES, INC.

A. Contract 2004-B Bridgeport Avenue/Riverside Drive

Westcott and Mapes, Inc. reported that Complete Construction Co. has finished all of the remaining work required under the Contract, including the final paving of the sewer crossing at Bridgeport Avenue, the removal of the stockpiled material, and the final restoration and cleanup. Final inspection will occur next week.

Mapes, Inc. reported, the milling and paving of Riverside Drive and Sachem Street is removed from the Sewer Contract and will be performed under the City paving program per the directive of the Public Works Director, Bruce Kolwicz.

Mapes, Inc. presented the final change order, Change Order No. 8, which is a deduction of \$34,408.51 do to balancing normal increases and decreases in the Contract work items performed and includes the credit for eliminating the Riverside Drive milling and paving work. We respectfully request the Sewer Commission's acceptance and approval of Change Order No. 8 for a deduction (credit) in the amount of a (\$34,408.51).

Vice Chairman Donald Anderson **MADE A MOTION** to approve Change Order No. 8 for a deduction (credit) in the amount of \$34,408.51.

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

Mapes, Inc. presented Complete Construction Co.'s Application and Certification for Payment No. 7. Which represents final payment excluding the remaining 2% retainage. Westcott and Mapes, Inc. has reviewed the application and quantities submitted and has certified to the amount requested. We respectfully request payment approval in the amount of \$108,278.11 for Complete Construction Co. for sewer 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 pre-construction meeting for this project was held on May 13th and the Notice to Proceed was issued to Mark IV Construction Company, Inc. on May 22nd. Review of required contractor submittals for materials and methods of construction is ongoing. Construction is expected to start by the end of the month.

E. East Broadway Interceptor

Westcott and Mapes, Inc. reported that the mandatory pre-bid conference for this project was held on May 15th and bids were received and opened on Wednesday June 4th. Three bids were received, Julian Railroad at \$2,547,300, Complete Construction at \$2,393,476 and Mark IV at \$2,325,819. Mark IV is the low bidder, we've reviewed their bid information and find it to be in order. We recommend to the City to award the East Broadway Interceptor project to the low bidder Mark IV for their bid amount of \$2,325,819.00.

Commissioner Louis D'Amato **MADE A MOTION** to award the East Broadway Interceptor project to Mark IV in the amount of \$2,325,819.00.

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

F. West Avenue Parallel Force Main

Westcott and Mapes, Inc. reported that this project was approved by the Inland Wetlands Agency on May 21st. It will be presented to the Planning and Zoning Board on June 17th for CGS Section 8-24 approval.

G. Indian River Interceptor Replacement

Westcott and Mapes, Inc. reported that design work for this project is being completed. It will also be presented to the Planning and Zoning Board for CGS Section 8-24 approval on June 17th.

H. Buckingham Avenue Force Main

Westcott and Mapes, Inc. reported that wetland identification for this project has been completed and that field survey is ongoing.

EARTH TECH

A. Housatonic & Beaver Brook Wastewater Treatment Plant

1. Carlin's Payment Requisition #19 in the amount of \$1,491,704.48 is presented to the Board for approval. This requisition includes work through May 19, 2008 as follows:

Housatonic Plant - \$990,665.40

Site piping and Duct banks

Installation of equipment, piping and electrical in South Aeration Basin

Aeration diffusers

Recirculation and drain pumps

Froth spray piping

Handrail

Installation of equipment and piping in South Anoxic Basin

Invent Mixers

Sluice gates

Process piping

Startup of aeration blowers

Installation of UV equipment and electrical

Installation equipment, HVAC and electrical in Solids Handling Building

Septage receiving system

Polymer systems

Installation of equipment in Clarifier #5

Digesters

Completion of repairs and removal of scaffolding

Installation of gas mixing system

Replacement of gas piping

Painting in Solids Building, Grit & Screenings Building, equipment

Installation of SCADA system

The next milestone at this plant is startup of the South Aeration Basin, South Anoxic Basin and Aeration blowers. This is projected within the next two weeks.

Beaver Brook Plant - \$501,039.08

Handrail and grating

Fencing

Installation of equipment and electrical in Secondary Treatment Tank #2

Aeration diffusers

Recirculation pumps

Invent mixers

Air piping

Preparation of Polymer Room

Startup of new blowers

Fire alarm and security systems

Completion of digester cover repairs

Replacement of digester feed piping

Replacement of digester gas piping

Work on SCADA system

There have been several problems with the startup of the UV system including insufficient coliform kills, alarms, and other system malfunctions. Service personnel have been to the site several times from Trojan's regional distributor. Do to the seriousness of the problem Carlin has pressured Trojan to send one of their Factory startup technicians to resolve the outstanding issues. This is currently scheduled for Friday.

2. Change Order #31 in the amount of \$59,067.00 is submitted to the Board for approval. It includes repair and replacement of plant water piping, replacement of yard hydrants and rerouting of the froth spray piping. The existing plant water piping was found to be deteriorated and leaking and the yard hydrants were in poor condition.

Vice Chairman Donald Anderson **MADE A MOTION** to approve Change Order No. 31 in the amount of \$59,067.00.

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

10. Project Status (Approximate)

Contract price including Change Order #30	\$47,515,527
Original Contract Price	<u>\$46,667,452</u>
	\$848,075
Estimated remaining unit price items	<u>- \$302,000</u>
Contingency Utilized to Date	\$546,075

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

1. Earth Tech has received an executed contract for construction services and is packaging plans and specifications for bidding. The West Avenue Force Main

is being advertised for bids separately by Westcott & Mapes. Since the completed force main is necessary to proceed with upgrading of the West Avenue Force Main, the pump station contract will be advertised for bids approximately 6 months following advertisement of the force main project.

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 soon. 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.

D. Welches Point and Rock Street Pump Stations

1. Earth Tech has received an executed contract for design and construction engineering services for the two pump station upgrades. Earth Tech is ready to proceed with design of the project.

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 June 5, 2008.

WASTEWATER

Plants

Both Wastewater Plants performed well in the month of April, 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 soon. We had problems with the #1 main sewage pump at West Avenue and the seal water pump.

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. We are experiencing many problems with the ultra-violet system, one causing a high coliform count, Carlin, and Trojan are working to correct these problems.

Collection System

Pump Stations

Scheduled maintenance was performed at the following pump stations: Old Field Lane, Holley Street, and Mayflower Place

Other duties performed by pump station crews:

1. The pump station crews are cleaning up inside and out at the Gulf Pond Pump Station, removing items not needed anymore.
2. At East Broadway Pump Station we are continuing to prepare the station for the new check valves that are scheduled to be installed. We are removing all unnecessary equipment.
3. At Rock Street we finished up the installation of a Mercoid pump controller
4. We are trying to catch up on scheduled maintenance in the sector II area due to personnel shortage.
5. At the Mayflower Pump Station the crews repaired the suction valve on the #1 pump.
6. We had a sewer blockage at the line coming into the Holley Street Pump Station caused by debris from a main line blockage on Milford Point Road. The crews worked together to remove it and the station is back on line. .

There were two (2) alarms at pump stations in April: 2 for power outage.

Sewer Maintenance

Sewer Maintenance answered seven (7) complaints.

Sewer Maintenance crews performed scheduled maintenance at ten (10) trouble sites citywide: #10, #11 #12, #13, #22, #42, #43, #46 #46 and #49.

Scheduled maintenance was performed on the following equipment: The electric jackhammer, and the air-cooled portable 25 KW generator.

There were two sewer excavations in April: 25 Bilyard Street and 67 Terrel Drive/ We had to dig up and raise the clean out to access the sewer laterals.

Other duty performed by Sewer Maintenance crews:

1. We relieved a very stubborn grease blockage on Milford Point Road that caused a main line blockage and a sewer back up at a house on Tibbals Street.
2. We started an inventory / inspection of all of our air plugs so we can repair or reorder as needed
3. We are still actively inspecting grease traps at area restaurants.
4. The sewer maintenance crews assisted the pump station crews in the fabrication and installation of a stilling well for the new level control system at the East Broadway Pump Station.

A total of 18,078 ft. were jet flushed, 1568 feet were TV'ed with our standard TV equipment, and 671 ft. were spy tv'ed. We also hand rodded 319 ft, used the hydraulic jet root cutter to relieve 456 ft, root treated 156 ft., smoke tested 381 ft. and dye tested 98 ft. to check for sewer connection.

CHAIRMAN'S REPORT

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

55 SHELLAND STREET (Milford Power)

Application was administratively approved to connect a bathroom and locker room in the existing storage area to the City's sanitary sewer system. The total allowable gallonage for the entire parcel is 42,450 gallons per day.

155 NEW HAVEN AVENUE

Application was administratively approved to connect a hair salon to the City's sanitary sewer system. The total approved proposed gallonage for the entire parcel including a 2-bedroom apartment on the second floor is 585 gallons per day. The total allowable gallonage for the entire parcel is 1,725 gallons per day.

35 FACTORY LANE UNIT 1B

Application was administratively approved to convert one of the vacant retail spaces to an office for Schooner Wharf, LLC. The total approved allowable gallonage for the entire parcel is 17,175 gallons per day.

The actual water usage for the year of 2007 was 7,136 GPD.

249 BRIDGEPORT AVENUE

Application was administratively approved to construct an addition to the building to relocate two restrooms to the City's Sanitary Sewer System. The total approved proposed gallonage for the entire parcel is 1,890 gallons per day. The total approved proposed fixture count for the entire parcel is 3 toilets, 2 handsinks and 2 urinals. The total allowable gallonage for the entire parcel is 2,610. Applicant is required to install water saving devices and low flow toilets when relocating the two restrooms, check for any water leaks on the premises, and provide documentation upon completion to the Sewer Commission.

62 WEST MAIN STREET

Application was administratively approved to a 1- one bedroom apartment on the first floor. The total count for the entire parcel is 2-one bedroom apartments and 1-two bedroom apartment. The total allowable gallonage for the entire parcel is 615 gallons per day. The total approved proposed gallonage for the entire parcel is 360 gallons per day. The approved proposed fixture count for the entire parcel is 3 toilets, 3 handsinks, 3 tub/showers and 3 kitchen sinks.

33 RIVER STREET

Application was administratively approved to change the use of a one bedroom apartment to retail meets the criteria to be administratively approved by the Sewer

Commission. The Sewer Commission previously approved this application on April 5, 2001 as non-conforming for 618 gallons per day. At that time the allowable gallonage was 230 gallons per day. Under the current criteria, the allowable gallonage for the entire parcel is 382 gallons per day. Applicant is proposing to replace one 1-bedroom apartment with 900 square feet of retail space. The revised proposed gallonage is 534 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 May 1, 2008.

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

East West Interceptor. At the March 6, 2008 Regular Sewer Commission Meeting, the Board approved the contract in the amount of \$3,066,061. The contract was later signed for \$3,151,011.00.

Commissioner Louis D'Amato **MADE A MOTION** to approve the change in the contract for Mark IV that was previously approved on March 6, 2008 to \$3,151,011.00.

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

A. PAYMENTS

Commissioner Louis D'Amato **MADE A MOTION** to approve Payment List of June 5, 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 **\$990,665.40;**

to **Carlin Construction**, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026-4154-0036-4994-0024 in the amount of **\$501,039.08;**

to **Complete Construction**, Contract 2004-B, P.O. 08-0048976-001, Account No. 0025-4154-0038-4993-0000 in the amount of **\$108,278.11;**

to **Westcott & Mapes**, Buckingham Avenue Force Main, P.O. No. 08-0050540-001, Account No. 0026-4154-0045-4993-0000 in the amount of **\$9,460.00;**

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 **\$7,562.50;**

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 **\$8,075.00;**

to **Westcott & Mapes**, Indian River Interceptor, P.O. No. 05-0041341-001, Account No. 0026-4154-0036-4993-0023 in the amount of **\$19,735.00;**

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 **\$4,392.81;**

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 **\$111,654.83.**

The total of Payment List of June 5, 2008 is in the amount of **\$1,760,862.73.**

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

Commissioner Michael Brown **MADE A MOTION** to adjourn at 8:35 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, July 10, 2008 at 7:30 p.m.**

Respectfully submitted,

Cynthia N. Valeo, Clerk
City of Milford Sewer Commission