

SEWER COMMISSION
THURSDAY, November 6, 2008

A Meeting of the Board of Sewer Commissioners was held on November 6, 2008, at 7:30 p.m. in Conference Room A at the Thomas C. Parsons Complex, 70 West River Street.

Vice Chairman, Donald Anderson called the Sewer Commission meeting to order at 7:30 p.m.

The following Commission Members were present:

Vice Chairman Donald Anderson; Commissioner Michael V. Brown; and Commissioner Robert Carroll

Others Present: Robert Brinton, City Engineer, Consultant Mark Davis;
 Consultant Earth Tech - Ken Bradstreet; James Cooper,
 Acting Wastewater Superintendent;

Absent: Chairman Paul Austin and Commissioner Louis D'Amato;
 and Raymond Macaluso, Westcott & Mapes, Inc.

CITIZENS COMMENTS:

None

PETITIONS

None

TABLED APPLICATIONS

None

WESTCOTT AND MAPES, INC.

Mark Davis, Project Manager at Westcott and Mapes, Inc. presented the report.

A. Indian River Interceptor Manhole Rehabilitation

Westcott and Mapes, Inc. reported that there is nothing outstanding. Final payment was made and the project is closed out.

B. Wolf Harbor/Avalon

No change.

C. East/West Interceptor

Westcott and Mapes, Inc. reported that sanitary sewer has been installed up to the Boston Post Road and that the casing pipe has been successfully jacked under the Post Road. Sewer installation has continued east of the Post Road to

the intersection of Erna Avenue and Washington Streets. Further construction is presently delayed while Mark IV Construction acquires the correct sewer pipe for installation within the casing. We anticipate their schedule for obtaining the pipe and proceeding with the work.

Westcott and Mapes, Inc. also reported that we have received Pay Application No. 2 from the Contractor. Westcott and Mapes, Inc. has reviewed the application and has certified the amount requested. On behalf of Mark IV Construction Company, Inc. we request approval of Pay Application No. 2 in the amount of \$419,105.32

Westcott and Mapes, Inc. also reported that additional work was required to be performed by the Contractor due to existing storm drainage found to be substantially different than the layout depicted on the plans, to convert an existing manhole for connection of the existing 15-inch sewer, for filling of the abandoned 42-inch D.I. sewer, and for sewer alignment changes requested by the Contractor at no cost to the City. Westcott and Mapes, Inc. kindly presents Change Order No. 3 in the amount of \$17,135.00 for the cost of this additional work. If approved, the request for payment of this item will occur next month.

Commissioner Michael Brown **MADE A MOTION** to approve Change Order No. 3 in the amount of \$17,135.00 for the cost of additional work.

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

Westcott and Mapes, Inc. also reported that additional work was required to be performed by the Contractor for curb to curb reconstruction of West Avenue from Stran Road to the bend in West Avenue. Westcott and Mapes, Inc. kindly presents Change Order No. 4 in the amount of \$29,500 for the additional cost for this work. If approved, the request for payment for this item will occur next month.

Commissioner Michael Brown **MADE A MOTION** to approve Change Order No. 4 in the amount of \$29,500 for the cost of additional work.

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

D. East Broadway Interceptor

Westcott and Mapes, Inc. reported that the South Central Connecticut Regional Water Authority (RWA) has directed that work be stopped on the project until Mark IV Construction submits a written plan explaining how adequate excavation support will be provided to protect the 12-inch water main which runs adjacent to the sewer. Westcott and Mapes, Inc. has requested these plans in writing three times and has yet to receive a submission from Mark IV Construction. Ciulla & Donofrio, attorneys for Mark IV have requested a meeting with Westcott and Mapes and the City of Milford. Westcott and Mapes is consulting with the City Attorney regarding this request.

Westcott and Mapes, Inc. also reported that additional work was required to be performed by the Contractor to remove an existing drywell catch basin and install a storm drain connection to provide an outfall for the wellpoint trench dewatering system. Westcott and Mapes, Inc. kindly presents Change Order No. 1 in the amount of \$2,250.00 for the cost of this additional work. If approved, the request for payment of this item will occur next month.

After a lengthy discussion, Commissioner Robert Carroll **MADE A MOTION** to approve Change Order No. 1 in the amount of \$2,250.00 for the cost of additional work.

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

Westcott and Mapes, Inc. also submitted a request for a change order received from Mark IV Construction for additional costs associated with the one week shutdown of their dewatering work in the amount of \$8,706.00. If approved, a change order for this work will be prepared and submitted at next month's meeting.

After a lengthy discussion referencing the denial of this cost at the October 2, 2008 Regular Sewer Commission Meeting, Commissioner Michael Brown **MADE A MOTION** to deny Mark IV Construction's request for \$8,706.00.

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

In regard to the current work stoppage/payment dispute with Mark IV Construction, the members of the Sewer Commission have requested that a meeting be set up with the City Attorney following his meeting with the contractor's attorney, to keep the Commission informed.

E. West Avenue Parallel Force Main

Westcott and Mapes, Inc. reported that bid documents for this project are currently being completed. Bidding is planned for January.

F. Indian River Interceptor Replacement

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

G. Buckingham Avenue Force Main

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

H. Fresh Meadow Sewers

Westcott and Mapes, Inc. reported that the design plans and specifications for this project are currently being completed.

EARTH TECH

A. Housatonic & Beaver Brook Wastewater Treatment Plant

1. Carlin's Payment Requisition #24 in the amount of \$1,651,766.43 is presented to the Board for approval. This requisition includes work through October 20, 2008 as follows:

Housatonic Plant - \$1,133,234.85

North side UV system – demolition & concrete work
North Anoxic & Reaeration Basins - concrete work
Plant water & secondary scum piping
Site work
Demolition – Operations Building
Roofing
Doors & hardware

Clarifier #5 & #6 are on-line and rebuilt Clarifier #3 is ready to go on-line
Primary Clarifier #2 is on-line

Beaver Brook Plant - \$518,531.58

Doors and entrances
Finish work
Installation of Odor Control system
Sprinklers and plumbing
Plant Water system

Most of the major work is complete at Beaver Brook

2. Change Order #49 in the amount of \$26,648.00 is submitted to the Board for approval. It includes the following items of work done on the basis of Time & Material at the Housatonic plant:
 - A. Install slide gates and flap valves in Clarifiers #5 & #6 (\$5,961)
 - B. Added yard drain, repaired manhole and roof drain cleanout. (\$5,195)
 - C. Added hose bibs, piping for permanganate system and truck bay mirrors in Solids Building. (\$6,577)
 - D. Additional power feed to stairwell lights. (\$1,921)
 - E. Added bollards to protect gas meters at Solids and Grit Buildings. (\$4,994)

Commissioner Robert Carroll **MADE A MOTION** to approve Change Order No. 49 in the amount of \$26,648.00.

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

3. Change Order #50 in the amount of \$33,997.00 is submitted to the Board for approval. It includes the following items of work done on the basis of Time & Material at the Beaver Brook plant:
- A. Prepare and paint metal deck ceilings in the belt press and sludge loading rooms. (\$15,396)
 - B. Added electrical outlets at kitchen counter in Break Room. (\$3,343)
 - C. Clean and repair inoperable floor drains in Operations and Digester Buildings. (\$7,986)
 - D. Add level indicator in Lift Station and replace ultrasonic sensor at effluent box with pressure transducer. (\$7,272)

After discussion regarding Item B, Commissioner Michael Brown **MADE A MOTION** to approve Change Order No. 50 in the amount of \$33,997.00.

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

4. Change Order #51 in the amount of \$9,951.00 is submitted to the Board for approval. It includes replacing the header piping at both sample sinks in the digester building.

Commissioner Robert Carroll **MADE A MOTION** to approve Change Order No.51 in the amount of \$9,951.00.

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

5. Project Status (Approximate)
- | | |
|---|--------------|
| Contract price including Change Order #51 | \$47,952,112 |
| Original Contract Price | \$46,667,452 |
| | \$1,284,660 |
| Estimated remaining unit price items | - \$302,000 |
| Contingency Utilized to Date | \$982,660 |

6. The three existing blowers at the Beaver Brook plant are in need of an overhaul. One of them is presently out of service because of excessive vibration. Carlin has presented a change order proposal in the amount of \$12,499.00 to have the Spencer Turbine Company overhaul the blowers including bearings, couplings etc. We hereby ask the board for approval to proceed with this work.

Commissioner Michael Brown **MADE A MOTION** to approve the concept of the above proposal in the amount of \$12,499.00.

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

7. The plant operators at both plants have requested that we purchase racks to allow maintenance of the lamp modules for the UV systems. The Trojan Co. has presented a proposal in the amount of \$3,980.00 (not including Carlin's markup) We have also asked for a proposal for Trojan to provide uninterrupted power supplies for the controls at both UV systems. We hereby ask the board for approval to proceed with this work.

Commissioner Robert Carroll **MADE A MOTION** to approve the concept of the above proposal in the amount of \$3,980.00.

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

8. Earth cover over the froth spray piping where it enters the North Aeration Tank is currently less than a foot in the access driveway. Cover over the secondary scum piping near the West end of the North Aeration Tank is only about a foot. We are studying the possibility of raising the driveway in this area 16" to 24". This will protect the pipes from freezing under most conditions. We are also adding a drain on the froth spray in the Secondary Gallery to allow the piping to be drained when not in use. Raising the road grade will require adding handrail to one side of the North Aeration Tank and a section of the reaeration basin or raising a portion of the wall. We estimate that the cost for this change could range from \$20,000 to \$30,000. We hereby ask the board for approval to proceed with this work.

After discussion regarding Earth Tech presenting the Sewer Commission with an exact cost, Commissioner Robert Carroll **MADE A MOTION** to approve the concept of the above proposal at an estimated cost ranging from \$20,000 to \$30,000.

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

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. Westcott & Mapes presented the easement through the Silver sands Park to the Planning and Zoning Commission for approval last night (11/5/08) and is presenting it to the Board of Aldermen tonight.

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

None

CITY ENGINEER

Bob Brinton, City Engineer presented the Sewer Facilities Upgrade Projects and Capital Improvement Plan (CIP) Projects Expenditures and Encumbrances to Date reports – dated November 6, 2008.

WASTEWATER

Plants

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

At the Housatonic Plant, normal monthly maintenance was performed. The plant personnel are using the new presses. The new final tanks are on line and we are starting to see some significantly lower nitrogen numbers.

At the Beaverbrook Plant, normal monthly maintenance was performed. The plant staff cannot remove any more sludge from the secondary digester. Most of the new equipment is in place at Beaverbrook, but not all operational yet.

Collection System

Pump Stations

Scheduled maintenance was performed at the following pump stations: Cricklewood Road, Flax Mill Road and Wanda Road Pump Stations.

Other duties performed by pump station crews:

1. The crews rebuilt the drive shaft for the #1 sewage pump at the East Broadway Pump Station.
2. The crews from Kovacs Construction removed the old cone valve for the #2 pump and installed the new 14" cushioned check valve, completing the check valve replacement project at the East Broadway Pump Station.

3. At the Morningside Pump Station we had the UI Company change the electrical connections on the incoming power due to several alarm problems.
4. We installed a new battery charger for the emergency generator at the Milford Point Road Pump Station.
5. At the Old Field Lane Pump Station we had to replace the level control transmitter due to several high water alarms.
6. We had to replace a sump pump at the White Oaks Terrace Pump Station.
7. The Wastewater electrician had to make several repairs to the compressor outlets and the phase monitoring system at the West Mayflower Place Pump Station. We also had to have a Motorola technician out to repair the radio alarm system.

There were twelve (12) alarms at pump stations in September: One for power outages, five for high water, one for control power, three for pump over temperature and two for overload.

Sewer Maintenance

Commissioner Michael Brown asked Jim Cooper to define what types of complaints they receive in Wastewater. Jim Cooper stated that the complaints range from back ups in homes to sewage in the streets.

Sewer Maintenance answered nine (9) complaints.

Sewer Maintenance crews performed schedule maintenance at six (6) trouble sites citywide: #8, #27, #28, #30, #36, and #40.

Scheduled maintenance was performed on the following equipment: the truck mounted rodder, the hand rodding equipment, and the soil pipe cutter.

There were five sewer excavations in September: 102 Valley View Road, 10 Furniture Row, 77 Lori Drive, 74 Canterbury Lane, and 74 Lennox Ave..

Other duties performed by Sewer Maintenance crews:

1. We worked with paving crews raising manhole covers.
2. The crews did a repair on the force main at the Milford Public Library.
3. We are continuing to TV for acceptance the East West Interceptor that Mark IV Construction is working on.
4. We did some spy eye TV'ing at the Beaverbrook Treatment Plan after a contractor snaked some lines.
5. We assisted with the opening of manholes in the Indian River Easement to allow Westcott and Mapes engineers to inspect.

A total of 16,830 ft. were jet flushed, 1,918 ft. were TV'ed with our standard TV equipment, and 486 ft. were spy TV'ed. We also hand rodded 112 ft. used the hydraulic jet root cutter to relieve 205 ft., root treated 300 ft., dye tested 98 ft., and smoke tested 300 ft. to check for sewer connection.

CHAIRMAN'S REPORT

Vice Chairman Donald Anderson presented the Administrative Approvals for the month of October 2008:

26-28 Broad Street

Application to connect a second story addition (1-1 bedroom apartment) to the City's Sanitary Sewer System

The total approved proposed gallonage for the entire parcel is 123 gallons per day.

The total allowable gallonage for the entire parcel is 825 gallons per day.

57 Bridgeport Avenue

Application to connect a hair salon to the City's Sanitary Sewer System.

The total approved proposed gallonage for the entire parcel is 511 gallons per day.

The total allowable gallonage for the entire parcel is 1,650 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 October 2, 2008 with one correction.

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

Commissioner Michael Brown **MADE A MOTION** to approve the minutes of the Special Sewer Commission Meeting of October 22, 2008 (10:00 a.m.).

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

Commissioner Robert Carroll **MADE A MOTION** to approve the minutes of the Special Sewer Commission Meeting of October 22, 2008 (10:15 a.m.).

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

A. PAYMENTS

Commissioner Michael Brown **MADE A MOTION** to approve Payment List of November 6, 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 **\$1,133,234.85;**

to **Carlin Construction**, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026-4154-0036-4994-0024 in the amount of **\$518,531.58;**

to **Mark IV Construction**, East/West Interceptor Sewer Replacement, P.O. 08-0050441-001, Account No. 0026-4154-0044-4994-0000 in the amount of **\$419,105.32;**

to **Westcott & Mapes**, Buckingham Avenue Force Main, P.O. No. 08-0050540-001, Account No. 0026-4154-0045-4993-0000 in the amount of **\$3,310.00;**

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 **\$24,147.50;**

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 **\$22,710.00;**

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 **\$5,570.00;**

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 **\$5,040.00;**

to **Westcott & Mapes**, Contract 2006, P.O. No. 06-0045211-001, Account No. 0026-4154-0039-4993-0000 in the amount of **\$4,075.00;**

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 **\$1,547.50;**

to **Earth Tech**, West Avenue/Gulf Pond, P.O. No. 04-0038905-001, Account No. 0026-4154-0036-4993-0021; in the amount of **\$10,220.00;**

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 **\$7,125.00;**

to **Earth Tech**, Eng. Services – West Ave/Gulf Pond PS, P.O. No. 08-0050650-001, Account No. 0026-4154-0036-4993-0039 in the amount of **\$3,856.16;**

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 **\$95,000.71.**

The total of Payment List of November 6, 2008 is in the amount of **\$2,253,473.62.**

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

Commissioner Robert Carroll **MADE A MOTION** to approve the 2009 Meeting Schedule of the Sewer Commission.

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

Commissioner Robert Carroll **MADE A MOTION** to adjourn at 8:35 p.m..

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

The next meeting of the Board of Sewer Commissioners is scheduled for **Thursday, December 4, 2008 at 7:30 p.m.**

Respectfully submitted,

Cynthia N. Valeo, Clerk
City of Milford Sewer Commission