

**SEWER COMMISSION
MEETING
THURSDAY, November 8, 2007**

A Meeting of the Board of Sewer Commissioners was held on November 8, 2007, at 7:30 p.m. in Conference Room B 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 Robert Carroll;
and Commissioner Louis D'Amato

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

Absent: Chairman Paul Austin

CITIZENS COMMENTS:

None

PETITIONS

1. **80 Foran Road**
Map 58, Block 713, Parcel 58
Silver Petrucelli & Associates, Inc.
Paul Jorgenson for the Permanent School Building Committee
3190 Whitney Avenue, Hamden, CT

Application is to connect a teaching kitchen classroom (three story addition) to the City's Sanitary Sewer System. The applicant's architect confirmed that no increase in the number of students is proposed.

Commissioner Robert Carroll **MADE A MOTION** to approve the application to connect a three-story addition to the City's Sanitary Sewer System. The approved gallonage for the entire parcel is 23,400 GPD. The proposed gallonage for the entire parcel is 7,014 GPD (taken from the 2006 water records). The fixture count for the entire parcel is 36+ toilets, 72+ handsinks, 24+ urinals, 12+ janitor sinks, 6+ kitchen sinks and 4 coffee sinks.

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

2. **20 Lansdale Avenue**
Map 25, Block 207, Parcel 33A

Paul Jorgenson for the Permanent School Building Committee
3190 Whitney Avenue, Hamden, CT

Application is to connect an addition of nine classrooms to the City's Sanitary Sewer System. The applicant's architect confirmed that no increase in the number of students is proposed.

Commissioner Louis D'Amato **MADE A MOTION** to approve the application to connect an addition of nine classrooms to the City's Sanitary Sewer System. The total approved gallonage for the entire parcel is 11,700 GPD. The proposed gallonage for the entire parcel is 5,361 GPD (taken from the 2006 water records). The fixture count for the entire parcel is 38 toilets, 76+ handsinks, 22+ urinals, 6+ janitor sinks, 3 kitchen sinks and 4 coffee sinks.

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

3. **81 Broadway**
Map 13, Block 111, Parcel 4

Anthony Moffo
81 Broadway, Milford, CT
Attorney Mark Iannone, Attorney at Law
250 Wolcott Road, Milford, CT

Application is to connect a toilet, sink and shower in a detached garage to the City Sanitary Sewer System.

Commissioner Louis D'Amato **MADE A MOTION** to approve the application to connect a proposed full bath in the detached garage to the City's Sanitary Sewer System with the following stipulations: It must be recorded on the land records that the detached garage cannot be converted into an apartment, and applicant must obtain all necessary permits from the Engineering Department. Any changes in the sewer pipes required by Engineering will not require removal of the new driveway.

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

4. **364 Bridgeport Avenue**
Map 24, Block 384, Parcel 1

Raymond Paier, PE
Westcott & Mapes, Inc., 142 Temple Street, New Haven

Application is connect a 10- 2 bedroom unit condominium complex to the City's Sanitary Sewer System.

Commissioner Louis D'Amato **MADE A MOTION** to approve the application to connect a 10-2 bedroom unit condominium complex to the City's Sanitary Sewer System. The approved gallonage is 1,350 GPD. The fixture count for the proposed 10-2 bedroom unit condominium complex is 24 toilets, 32 handsinks, 10 kitchen sinks, 10 washing machines and 10 dishwashers.

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

4. **0 Plains Road**
Map 52, Block 939, Parcel 35C
Raymond Paier
Westcott & Mapes, Inc., 142 Temple Street, New Haven

Application is to connect a proposed conference center, office building and two hotels to the City's Sanitary Sewer System.

Commissioner Louis D'Amato **MADE A MOTION** to approve the application to connect a proposed conference center, office building and two hotels to the City's Sanitary Sewer System for gallorage only. The approved gallorage for the entire parcel is 16,749 GPD. The fixture count is 250 toilets, 249 handsinks, 5 urinals, 212 tub/showers, 10 showers, 3 janitor sinks, 131 kitchen sinks, 3 coffee sinks, 2 dishwashers, and 9 washers. Applicant must meet all requirements of the Engineering Department.

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

None

NON-CONFORMING

TABLED APPLICATIONS

None

WESTCOTT AND MAPES, INC.

Contract 2000-2: Milford Power

Westcott and Mapes, Inc. reported that Milford Power Company's Contractor, Louis Gherlone Excavating Co., has completed the installation of the Cooling Water Discharge Pipe, constructed all manhole inverts, air tested all of the lines, and paved the trench along the access road. Gherlone is working on punch list items and will return next year for final paving.

Contract 2001b - North of Rte 15, Wheelers Farm, Musket Hill Lane, Pine Knobb Terrace, Herbert Street, Lavery Lane, Dart Hill Road and Wellington Road

Westcott and Mapes, Inc. reported no change. The project cannot proceed until the Wolf Harbor/Wheelers Farm Sewer is constructed.

Contract 2004a - Lincoln Avenue/Holbrook Street

Westcott and Mapes, Inc. reported that final paving on Holbrook Street and Lincoln Avenue has been scheduled for next week.

Contract 2004b - Bridgeport Avenue/Riverside Drive

Westcott and Mapes reported that the Contractor, Complete Construction Co., has completed installation of the Riverside Drive sanitary sewer from 160 feet north of Bridgeport Avenue

including Sachem Street and has tied the new sanitary sewer into the existing municipal sewer system on Intervale Parkway.

Additional Rock excavation is required for completion of the final section of the Riverside Drive sanitary sewer system. Westcott and Mapes, Inc. recommends approval of Change Order No. 1 in the amount of \$11,000, to cover the estimated additional rock.

Commissioner Louis D'Amato **MADE A MOTION** to approve Change Order #1 for additional rock excavation in the amount of \$11,000.

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

Complete Construction has received DOT approval and is in the process of finishing the Route 1 sanitary sewer crossing. However, due to the multiple utilities and the fragile state of the existing AT&T duct bank, the Contractor is unable to install the remaining 15 linear feet of the Bridgeport Avenue (U.S. Route 1) sanitary sewer crossing using the "open cut" trench excavation methods. As follow up to a field meeting authorization, Westcott and Mapes, Inc. recommends approval of Change Order no. 2 to complete the crossing using the "tunnel jacking" items included in the Contract (Bid Alternate No. 2) in the amount of \$19,500.

Commissioner Louis D'Amato **MADE A MOTION** to approve Change Order #2 to complete the crossing using the "tunnel jacking" items included in the Contract (Bid Alternate No. 2) in the amount of \$19,500.

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

The Contractor's Payment Requisition #1 has been certified by Westcott and Mapes, Inc. for the amount of \$170,037.36 and is submitted to the Sewer Commission for Approval.

Commissioner Louis D'Amato **MADE A MOTION** pay Requisition #1 in the amount of \$170,037.36.

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

Indian River Interceptor Manhole Rehabilitation

Westcott and Mapes reported that the Contractor has performed field reconnaissance, measured all MH interiors and fabricated 7 of the 17 manhole liners. Due to the seasonal high tides and soft field conditions, the Contractor has corresponded a request to perform the work during a period of frozen ground. We recommend granting his request and we will follow up with a formal change order for an extension of contract time.

Commissioner Louis D'Amato **MADE A MOTION** to approve the request for an extension of contract time due to seasonal high tides and soft field conditions.

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

East Broadway Interceptor Replacement

Westcott and Mapes has reported no change. The project is on hold until the City authorizes additional funding.

Contract 2006

Fresh Meadow Lane, White Oaks Terrace, Wheelers Farm Road, Macadam Terrace, Boras Lane, East Rutland Road, Roller Terrace, High Street and Wilson Street Sewers

Westcott and Mapes, Inc. is continuing with the design.

Wolf Harbor/Avalon

Westcott and Mapes reported no change, they are waiting for a response from Avalon for final design plans.

East/West Interceptor

Westcott and Mapes, Inc. reported that the public hearing for the project was held on October 25th with no public in attendance. The project is scheduled to be bid next month, open bids in January 2008 and awarded in February.

EARTH TECH

A. Housatonic & Beaver Brook Wastewater Treatment Plant

1. Housatonic Plant Progress: Clarifier #5 walls are being poured; clarifier # 6 excavation is complete and reinforcing for base slab is being placed. Base slab for South reaeration basin has been placed. Walls for North aeration tank are complete and backfill is underway. Both belt filter presses have been delivered and set in place in the Solids Handling Building. Pumps and piping are being installed in the Solids Handling Building, the Secondary Gallery and the Digester Building. Equipment is being installed in the Primary Clarifier and Secondary Clarifier #3. The new Boilers are operational. Roof planks are being delivered for the Solids Handling and Grit and Screenings Building.
2. Beaver Brook Progress: Piping for the new belt filter press is completed, the Contractor is working on installation of the control panel and electrical work. The conveyors are scheduled for delivery on next Monday. Carlin anticipates that it will then take a week to have the press ready for startup. Pumps and piping are being installed in the Operations Building and Digester Building. The Generator and Generator enclosure have been installed. The WAS Tank dome and coarse bubble aeration system have been installed. The first primary settling tank is operational, and the UV structure is 90% complete. The Contractor is presently working on effluent troughs at the end of the aeration basins. A bypass has been in operation to keep both aeration basins in operation while the work progresses.
3. Representatives of Earth Tech, accompanied by Dan Gregory, inspected the interior of the Primary Digesters at both treatment plants. At the Housatonic plant, we found 18 sets of broken cross bracing on the underside of the cover. In addition, the steel

trusses are coated with caked sludge and are located too high above the floor to be able to determine their condition. At the Beaver Brook Plant there is one visible hole through the cover. The underside of the cover and the steel supporting beams are rusted, and also too high from the floor to be able to evaluate their condition. We recommend that the Contractor install staging to be able to access the underside of the digester covers, that the structural steel work be pressure cleaned and inspected, all of the cross bracing at the Housatonic structure be replaced, any other repair work be accomplished and the exposed steel be sandblasted and painted at both plants. As this is unforeseen work, it will have to be done on a time and material basis.

Commissioner Louis D'Amato **MADE A MOTION** to move forward with refurbishing the domes so that they become structurally sound

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

4. We are requesting approval of the Sewer Commission for Change Order # 5A in the amount of \$9,665 for work to be done at the Housatonic Treatment plant. This includes an increase in the size of a water line to the mechanical screen; a new City water line to the Grit and Screening building; and a structural steel frame to allow the mechanical screen to be lifted out of the channel for maintenance.

Commissioner D'Amato **MADE A MOTION** to approve Change Order #5A for work to be done at the Housatonic Treatment Plant in the amount of \$9,665.

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

5. We are requesting approval of the Sewer Commission for Change Order # 5B in the amount of \$9,488 for work to be done at the Beaver Brook treatment plant. This includes modifications to the plant water line serving the mechanical screen; added expansion couplings on piping to isolate pumping equipment; and a structural steel lifting frame to allow the mechanical screen to be lifted out of the channel for maintenance.

Commissioner D'Amato **MADE A MOTION** to approve Change Order #5B for work To be done at the Beaverbrook Treatment Plant in the amount of \$9,488.

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

6. Kenneth Bradstreet sent a letter to the Mayor regarding the design capacity of the treatment plants to clarify a statement made during the Mayor's tour of the treatment facilities.

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

1. No action due to lack of funding

C. East Broadway Pump Station Relocation

1. The design is on hold pending completion of soil borings.

D. Welches Point Pump Stations

1. No action due to lack of funding

USER FEE REVISIONS/ASSESSMENT REVISIONS

None

CITY ENGINEER

City Engineer, Robert Brinton distributed the Sewer Facilities Upgrade Projects Expenditures and Encumbrances to Date dated November 8, 2007.

Spent to date approx \$24,000,000. The State bond package has been completed, however there will be some delay between the governor signed bonding bill and DEP decision if they are going to fund our plant. The Mayor and the Finance Director were notified that State money is running out for the Housatonic WWTP.

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. One half of the aeration tanks were shut down and emptied to allow for coring of holes for connection to new piping and construction of the re-aeration tank. The plant ran on generator power to allow connection of new electrical equipment.

At the Beaverbrook Plant normal monthly maintenance was performed. The #2 primary tank has been taken off line to allow the old equipment to be removed and new equipment to be installed. Work is being done on the new aeration tank and the Ultra-violet disinfection areas.

Collection System**Pump Stations**

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

Other Duties performed by Pump Station Crews:

1. At the Anderson Avenue Pump Station we had to replace the main drive belts on the #2 main sewage pump.
2. The crews performed grounds maintenance at several of the pump stations, cutting back the brush along the fence lines, etc.
3. The city plumber had to re-route the air control system at Viscount Drive Pump Station so the new lightening surge suppression system could be installed by our electrician.
4. We started a new grease removal program at the Wanda road Pump Station using DC 2000GL bio-bags. We will monitor the results for the next several months.

There were ten (10) alarms at pump stations in September: seven (7) were for power outages, two (2) were for station trouble and one (1) was for low air.

Sewer Maintenance

Sewer Maintenance answered eleven (11) complaints.

Sewer Maintenance crews performed scheduled maintenance at three (4) trouble sites citywide: #27, #36, and #41.

Scheduled maintenance was performed on the following equipment: All hand rodding equipment, the rodder truck, the soil pipe cutter and the newer sewer jet truck..

There were three sewer excavations in September: at the Solid Waste Transfer Station, 195 Meadow St. and the easement connecting the Foran High School area to Pond Point Ave.

Other duty performed by Sewer Maintenance crews:

1. Our crews worked with the State DOT paving crews paving at night in the Milford center area.
2. The sewer maintenance crews relieved a blockage on Pond Point Ave. only to find a broken pipe in the easement leading to Pond Point Ave, that was temporarily repaired until an excavation could be scheduled. They also repaired some storm drain lines the were broken or filled in at two locations in the easement,
3. Wastewater and Public Works crews had to clear the Pond Point easement to allow repairs to a broken sewer line.

A total of 9638 ft. were jet flushed, 862.6 feet were TV'ed with our standard TV equipment 416.7 ft. were spy tv'ed, We also hand rodded 168 ft, used the hydraulic jet root cutter to relieve 55 ft, smoke tested 150 ft to identify some problems, root treated 417 ft and dye tested 201 ft.

Current Events

At the Housatonic Plant both new aeration tanks are nearing completion and one new final tank is about half poured, the walls on the solid handling building and screenings building are done, and the presses are in the solids handling building. We do have heat at both plants as of early November.

At Beaverbrook the domed roof is on the waste holding tank, the bypass pump is in the #2 Aeration tank and the end weir has been removed. The #1 Primary tank has all the new equipment in and is on line, the grit hoist is back from being rebuilt and is in use. The new press should be ready later in November, hopefully before the real cold weather hits and creates a problem using the old press which is currently set up and in use outside. Bob Brinton and I met with representatives from Fuel Cell Energy Corp. a fuel cell manufacturer, to discuss the possibility of putting a fuel cell to be powered by the digester methane to generate electricity and heat at the Housatonic Plant. We will continue to pursue this opportunity for wastewater and the city.

CHAIRMAN'S REPORT

None

VOTING

A. PETITIONS - See above

B. MINUTES

Commissioner Louis D'Amato **MADE A MOTION** to approve the minutes of the Sewer Commission Meeting of October 4, 2007.

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

Commissioner Louis D'Amato **MADE A MOTION** to approve the minutes of Public Hearing regarding the East/West Interceptor Meeting of October 25, 2007 .

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

C. PAYMENTS

Commissioner Robert Carroll **MADE A MOTION** to approve Payment List of November 8, 2007 as follows.

to **Carlin Construction**, Housatonic Plant Upgrades, P.O. 07-0046625-001, Account No. 0026-4154-0036-4994-0025 in the amount of **\$3,232,644.39;**

to **Carlin Construction**, Beaverbrook Plant Upgrades, P.O. 07-0046618-001, Account No. 0026-4154-0036-4994-0024 in the amount of **\$1,059,722.98**

to **Complete Construction**, Contract 2004-B, P.O. 08-0048976-001, Account No. 0026-4154-0038-4993-0000 in the amount of **\$170,037.36;**

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 **\$25,032.50;**

to **Westcott & Mapes**, Contract 2006, P.O. No. 06-0045211-001, Account No. 0026-4154-0039-4993-0000 in the amount of **\$3,815.00;**

to **Westcott & Mapes**, Bridgeport Avenue/Riverside Drive Sanitary Sewer Connection, P.O. No. 07-0047975-001, Account No. 0026-4154-0038-4993-0000 in the amount of **\$25,002.50;**

to **Westcott & Mapes**, Indian River Manhole Repairs, P.O. No. 07-0047722-001, Account No. 0026-4154-0036-4993-0023 in the amount of **\$4,475.55;**

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 **\$5,807.62;**

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 **\$129,835.61.**

The total of Payment List of November 4, 2007 is in the amount of **\$4,656,373.51.**

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

D. MEETING DATES:

Commissioner Robert Carroll **MADE A MOTION** to accept the 2008 meeting schedule.

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

Commissioner Robert Carroll **MADE A MOTION** to adjourn at 9:00 P.M..

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

The next meeting of the Board of Sewer Commissioners is scheduled for **`Thursday, December 6, 2007 at 7:30 p.m.**

Respectfully submitted,

Cynthia N. Valeo
Secretary, City of Milford Sewer Commission