

SEWER COMMISSION MEETING MINUTES SEPTEMBER 1, 2011 MEETING

The regular meeting of the Board of Sewer Commissioners was held on Thursday, September 1, 2011, in Conference Room "A" of the Parsons Complex, 70 West River Street. Chairman Carroll called the meeting to order at 8:03 p.m.

COMMISSION MEMBERS PRESENT: Chairman Robert J. Carroll, Vice-Chairman Donald Anderson, Commissioner Lou D'Amato, Commissioners Lee Cooke and Christopher Saley

OTHERS PRESENT: Consultant Raymond Macaluso, of Westcott and Mapes, Inc., Ken Bradstreet and Charlie Smith of AECOM and James Cooper, Superintendent of Wastewater

EXCUSED: None

Chairman Carroll opened the meeting and asked if anyone would like to address the Commission under Citizen's Comments and reminded everyone that they are limited to three minutes.

CITIZEN'S COMMENTS:

Kimberly Dolan of 4 Grove Street addressed the Commission and read the following letter from her neighbor Claire Phelan of 7 Grove Street into the record. "Dear Commissioners, Because of my health issues I am unable to attend this important meeting tonight. However, the sewer issues on the agenda regarding Grove Street are a very serious concern for me. Please include my remarks in your meeting minutes. I would expect that the final decision will be made in the best interest of all of us and for the common good of all of us. I fully support expediting this project without further delay, no longer prolonging the hardship that has been imposed on my neighbors. My own system is failing as well." Sincerely, Claire C. Phelan

Deacon Joseph Jeffery on behalf of his parents Patricia and Jonathan Jeffery of 17 Grove Street addressed the Commission to state his family remains in opposition to the Grove Street Pump Station due to the proximity to their front door. He went on to say that there remains viable space and perspective options to which it would satisfy all to be fair. He told the Commission to find a cost effective option for all residents. (some of this was inaudible)

Sean Dolan of 4 Grove Street stated that he is still having problems with his septic system and the family that opposes the project does not live in the house that they own on Grove Street. The parents live in Maryland and this gentleman lives in West Haven. Other neighbor who addressed the Commission at the August 4, 2011 meeting has their primary residence in New York and rent their house out on Grove St. The property owners who are actually

living on Grove Street support the project and would like sewers to be installed on their street.

PETITIONS ACCORDING TO DATE & TIME THEY WERE SUBMITTED

None

NON CONFORMING APPLICATIONS (PETITIONS)

None

TABLED APPLICATIONS

None

WESTCOTT AND MAPES, INC.

Indian River Interceptor Replacement

Mr. Macaluso reported the Notice to Proceed for this project was issued to Coastline Construction Corp. on August 12th and that the Pre-Construction Meeting was held on August 17th. Review of required submittals for construction materials and methods is ongoing. Clearing in the easement area behind the homes located on Shadyside and Robin Lanes is scheduled to begin in the next few weeks.

East Broadway Interceptor Replacement

Mr. Macaluso reported that work on this project is scheduled to restart after Labor Day, on Tuesday September 6th. Work will begin with placement of permanent pavement in locations where sewers have already been installed and will continue with sewer construction to Surf Avenue.

West Avenue Parallel Force Main

Mr. Macaluso reported that final paving has been completed for the project. He further reported that the Certificate of Substantial Completion has been prepared and accepted by C.J. Fucci Construction, Inc. The Certificate has been reviewed by Westcott and Mapes, Inc. and its acceptance by the Commission is recommended.

Chairman Carroll asked for a motion. Vice-Chairman Anderson made a motion to accept the Certificate of Substantial Completion issued to C.J. Fucci Construction, Inc. Commissioner Cooke seconded the motion. The motion passed unanimously.

Mr. Macaluso also reported that C.J. Fucci Construction, Inc. submitted a request for release of the 5-percent retainage being held for the project. Westcott and Mapes, Inc. has reviewed the request and recommends a reduction to 2-percent retainage.

Chairman Carroll asked for a motion. Commissioner D'Amato made a motion to reduce the 5 percent retainage to 2 percent retainage per the recommendation of Westcott and Mapes, Inc. Vice- Chairman Anderson seconded the motion. After some discussion regarding it being normal procedure to keep a retainage for a period of time after a project is complete the motion passed unanimously.

Additionally, Mr. Macaluso reported that C.J. Fucci Construction, Inc. submitted costs to provide pavement markings on West Avenue, Bic Drive, and Caswell Street. It is estimated that the total additional cost to provide markings will be just under \$16,000. Westcott and Mapes, Inc. recommends approval of this additional work.

Chairman Carroll asked for a motion. Vice Chairman Anderson made a motion to approve the additional work for pavement markings on West Ave, Bic Drive, and Caswell ST at a cost not to exceed \$16,000.00. Commissioner D'Amato seconded the motion. The motion passed unanimously.

Also, Mr. Macaluso reported C.J. Fucci Construction Inc,'s Pay Application No. 12 in the amount of \$112,995.22 has been reviewed and certified and respectfully requested approval and processing by the Commission.

Buckingham Avenue Force Main

Mr. Macaluso reported that the warranty period for this project continues to May 5, 2012.

Rogers Avenue Pump Station

Mr. Macaluso reported that plans have been submitted to DEEP for approval and that Coastal Area Management Review is pending with Planning and Zoning. He further reported that the Contract would be ready for bidding in the fall.

New Haven Avenue/Rosemary Court/Grove Street Infill

Mr. Macaluso reported at the Mayor's request, his firm continues to look at all options to serve the properties.

Infill Project No. 1

Mr. Macaluso reported we just had the Public Hearing, the topographic survey is nearing completion, and the design is ongoing.

Chairman Carroll re-ordered the agenda to hear the Consulting Engineer's report next.

Consulting Engineer's Report

Mr. Macaluso reported his office received the calculations from Engineering Design Group, Inc. for the AGRU installed at the Seven Seas Restaurant, 16 New Haven Avenue. After review, the AGRU installed meets the required size and he respectfully requested a letter be sent to the owner approving the installation.

Chairman Carroll asked for a motion. Commissioner D'Amato made a motion to approve the AGRU installed at the Seven Seas at 16 New Haven Ave. Vice-Chairman Anderson seconded the motion. The motion passed unanimously.

AECOM TECHNICAL SERVICES, INC.

Mr. Ken Bradstreet, Project Manager of AECOM presented the following report:

A. West Avenue and Gulf Pond Pump Stations

1. The third requisition for C.H. Nickerson in the amount of \$180,974.38 is presented to the Board for approval. This requisition includes \$151,499.35 for a key component of the Gulf Pond oxygenation system which is stored at Nickerson's yard in Torrington. Insurance forms and transfer of title forms are included with the requisition. We inspected the equipment to insure that it is in good condition and properly stored.
2. AECOM has been reviewing shop drawing submittals.
3. Nickerson has obtained his building permit and plans to start work at the Gulf Pond site in early September. They plan to work at the Gulf Pond site during the Fall and Winter. They plan to start work at West Avenue early in 2012 after they receive the major items of equipment to be installed there.

B. East Broadway Pump Station Relocation

1. The thirteenth requisition for Camputaro & Son Excavating Inc. in the amount of \$651,174.80 is presented to the Board for approval. This requisition includes work through August 20, 2011. Two crews are presently working on the project; one is laying sewer pipe and the other is working on the site of the Mayflower Pump Station.
2. At the pump station, piping and mechanical equipment has been installed in the wet well and preparations are being made to set the generator building. 12" and 18" force main piping has been installed from the pump station to the point of connection to the existing systems and has been tested.

3. Total pipe installed to August 20th is 2,812 feet of 21" PVC sewer and 17 feet of 30" PVC. The 21" sewer has been installed to the point of connection to the East Broadway Interceptor at the upper end of the project; however the section of pipe between manhole #5 and manhole #6 has not yet been completed due to difficult conditions encountered in the vicinity of manhole #5. The pipe crew is presently working to complete this section of sewer.
4. There are several items of additional work that have been encountered on this project that will require change orders:
 - a. AECOM required the Contractor to utilize a better quality of waterproofing for the pump station valve vault than what was required by the specification due to the extreme water table conditions found. The cost was split equally with the Contractor to reflect a credit for the standard waterproofing originally called for. Cost of this item is \$2,439.15. This work has been completed.

Chairman Carroll asked for a motion to approve. Commissioner Cooke made a motion to approve the extra cost for a better quality waterproofing for the pump station valve vault due to the extreme water table conditions and to reflect a credit for the standard waterproofing originally called for. Commissioner Saley seconded the motion. The motion passed unanimously.

- b. Extra work in installing the first three pipes (42') from manhole #5 towards manhole #6 is required. Unforeseen soil and water conditions at this location resulted in difficulty laying the pipe, requiring considerable additional effort and time. The pipe was eventually installed on controlled density fill. Controlled density fill is a slurry of sand and concrete. The controlled density fill is included for payment in the requisition under the unit price items. Payment for the extra work by the Contractor required to install this section of pipe will require a change order in the amount of \$28,022.56, and a time extension of 2 weeks. This work has been completed.

Chairman Carroll asked for a motion to approve. Commissioner D'Amato made a motion to approve payment of \$28,022.56 for the extra work required to install 3 pipes from MH 5 to MH 6 and to extend the contract time for two weeks. Vice-Chairman Anderson seconded the motion. After much discussion regarding the controlled density fill and how it is constructed, the motion passed unanimously.

- c. Ledge rock was encountered between manholes #5 and #6 in depths up to 13'. The rock is between the soil borings done for the project and was unexpected. The Contractor has requested additional compensation over and above the unit price bid for rock because removal of the rock is much more difficult than the rock at the pump station site which was in a confined area protected by sheeting. This work is in progress. The quantity of rock is anticipated to be less than 250 cubic yards. The Contractor has asked that the unit price for rock removed in this area be increased to \$275 per cubic yard. This is based on the crew cost and time required to remove the

which was encased in concrete. Commissioner Saley seconded the motion. The motion passed unanimously.

- g. The sanitary sewer manhole on West Mayflower Place that is to be connected to the pump station was found to be in deteriorated condition. This is on a major sewer carrying significant flow. Additional work will include bypass pumping and demolition of the existing manhole. The manhole itself will be paid for under the contract unit prices. The negotiated price with the Contractor for the additional work of bypass pumping and demolition is \$11,992.76. This work is not done yet.

Chairman Carroll asked for a motion. Commissioner Cooke made a motion to pay the negotiated price of \$11,992.76 to the contractor for the additional work of bypass pumping and demotion of the existing manhole. Vice-Chairman Anderson seconded the motion. The motion passed unanimously.

5. The additional 4 weeks extension of time to the construction contract results in additional engineering time required, particularly for resident inspection services. As a result AECOM is hereby respectfully requesting an increase in the upset limit for the Engineering Fees to cover both Westcott & Mapes and AECOM's role in the project of \$30,000.

Chairman Carroll asked for a motion. Vice-Chairman Anderson made a motion to increase the upset limit for the Engineering Fees for Westcott & Mapes and AECOM in the amount of \$30,000. Commissioner Cooke seconded the motion. The motion passed unanimously.

C. Welchs Point and Rock Street Pump Stations

1. Plans and specifications for improvements to the Rock Street and Welchs Point Pump stations have been submitted to the City Attorney and the Connecticut Department of Energy and Environmental Protection for review. When these reviews have been completed, the project will be advertised for bids.
2. Design conditions were difficult at both pump stations. The high ratio of peak-to-average flows made pump selection difficult and required large pumps at both stations to handle the peak flows. The congested nature of both pump stations made layout of pumps, piping and electrical equipment difficult. Lack of space at the Welchs Point Pump Station required location of an emergency generator with walk-in enclosure outside of the existing building. Sewage grinders were added at both stations at the request of the Wastewater Division. Damage to the wet well at the Welchs Point Pump Station was much worse than anticipated, requiring the design to include extensive repairs to the wet well concrete and replacement of existing stairs. All of these items have contributed to an increase in the scope of this project, and a corresponding increase in the design effort required.

rock for one section of pipe. (i.e. loss of production to remove ledge) Total cost is expected not to exceed \$68,750 with a one week extension of the contract time.

Chairman Carroll asked for a motion. Commissioner Cooke made a motion to approve the increase in unit price for rock removed between MH 5 and MH 6 to \$275.00 per cubic yard with a not to exceed price of \$68,750. with a one week extension of contract time. Commissioner D'Amato seconded the motion. After much discussion regarding the difference between outcropped rock and ledge spread over 200 ft the motion passed unanimously. Commissioner Saley asked Mr. Bradstreet to explain how they determined the difference in price to which Mr. Bradstreet explained they divided out the cost of the crew and the time involved to get the new price per cubic yard.

- d. Tropical storm Irene caused a loss of utility power, loss of a section of guardrail previously installed and washed out pavement sub base which had been installed for paving of a section of roadway. It also resulted in a loss of access to the pump station. While loss of any physical improvements is the Contractor's responsibility under his insurance coverage, the overall impact is loss of a week's time and the increase in cost of "General Conditions" items. The requested change order for this increased effort is \$3,875 and an increase of one week in the Contract time. Mr. Macaluso informed the Commission that any losses due to "Irene" should be given to the Mayor so that he can include it in the claim for the City to be reimbursed by FEMA.

Chairman Carroll asked for a motion. Commissioner D'Amato made a motion to approve an increase in cost of General Conditions items of \$3,875. and an increase of one week in contract time. Vice-Chairman Anderson seconded the motion. After much discussion regarding how the cost was determined the motion passed unanimously.

- e. Utility pole #5923 between manhole #5 and #6 had to be relocated by the UI Co. This was subsequently completed and billed to the Contractor. The change resulting from this work is \$ 3,800.31.

Chairman Carroll asked for a motion. Commissioner D'Amato made a motion to approve reimbursing the contractor the cost for the relocation of utility pole #5923 by the UI Co. in the amount of \$3,800.31. Vice-Chairman Anderson seconded the motion. The motion passed unanimously.

- f. An unmarked, abandoned force main from the East Broadway Pump station was encountered at approximate station 29+00. The cast iron force main was encased in concrete. The time and materials cost for the Contractor to remove this obstruction was \$8,460.65. This work has been completed.

Chairman Carroll asked for a motion. Commissioner Cooke made a motion to approve the time and materials cost of \$8,460.65 to remove the cast iron force main

The increase in the scope of the project will require additional shop drawing review and construction oversight. In addition, the original agreement was formulated more than 3 years ago, requiring rate increases for labor during the construction period.

As a result of the above changes in scope, AECOM respectfully requests an increase in the upset limit for the design fees to cover both Westcott & Mapes and AECOM's role in the project of \$40,000 and an increase in the upset limit for construction services of \$55,000.

Chairman Carroll asked for a motion. Vice-Chairman Anderson made a motion to approve the increase in the upset limit for the design fees for both Westcott and Mapes, and AECOM in the amount of \$40,000. and to increase the upset limit for construction services in the amount of \$55,000. Commissioner D'Amato seconded the motion. After much discussion regarding peak flows and infiltration and whether by DEEP rules it would be cost effective to replace all the sewer lines in the area the motion passed unanimously.

USER FEE REVISIONS

None

COMMITTEE REPORTS

None

WASTEWATER REPORT

Mr. James Cooper, Superintendent of Wastewater submitted the following report to the Commission. Mr. Cooper also brought the Commissioners up to date on the activities of the Wastewater Division since the Tropical Storm Irene hit Milford. He explained that the White Oaks Pump Station had a water pump let go and the Morningside Pump Station had an ejector pump fail. They had a lot of difficulty getting to some of the pump stations due to trees falling and flooding. Jim had workers on 24 hour coverage of the plants and pump stations. He informed the Commissioners of the power outages at both treatment plants and the pump stations. They were all on generator power. The crews worked long hours to maintain the treatment plants and the pump stations. They all have their power back except for the Morningside Pump Station was still on generator power as of 4 pm today.

Plants

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

At the Housatonic Plant normal monthly maintenance was performed. We have made some headway in reducing our excessive water use at the West Ave. Pump Station, but are still

checking for where the water is being used. Maintenance was performed on the UV system, and we working on a sodium hydroxide pump problem on the odor control system.

At the Beaverbrook Plant normal monthly maintenance was performed. We are still in the process of hiring a mechanic for Beaverbrook in the mean time we are using the Housatonic mechanics to do maintenance and repairs when needed.

Collection System Pump Stations

Scheduled maintenance was performed at the following Pump Stations: Bowling Green, Concord Ave, Watrous Lane and Kinloch Street Pump Stations.

Other Duties performed by Pump Station Crews:

1. The panel cooling fan on drive #4 was replaced and the cabinet filter at Gulf Pond Pump Station.
2. The #1 pump drive shaft u joints were replaced at the East Broadway Pump Station.
3. The Devar level control was replaced at the Milford Point Road Pump Station.
4. All generators were tested under load.
5. Several pump station wet wells (8) were cleaned out.

There were two (2) alarms pump stations in July: one (1) for power outage, one (1) for high water.

Sewer Maintenance

Sewer Maintenance answered five (5) complaints.

Sewer Maintenance crews performed scheduled maintenance sites six (6) trouble sites citywide: #7, #15, #23, #24, #25, and #47.

Scheduled Maintenance was performed on the following equipment: Great Creek Tide Gate and the 2" Flygt submersible pumps.

There were three (3) sewer excavations in July: 45 Shell Ave., Seemans Lane to repair sewer vent, and Housatonic Plant to repair hydrant.

Other duties performed by Sewer Maintenance crews:

1. Ring raising manholes for city wide paving.
2. Televising of Foran High School grease trap.
3. Assisted pump station crews with cleaning of wet wells at pump stations.

Total of 9,485 ft. were jet flushed, 1210 feet were Tv'ed with our standard TV equipment, and 680 feet were tv'ed with the spy eye camera. We also hand rodded 325 ft, used the

hydraulic jet root cutter to relieve 1460 feet, root treated 475 ft., smoke tested 695 ft. and dye tested 255 feet, to check for sewer connection.

VOTING

A. MEETING MINUTES FROM THE AUGUST 4, 2011 MEETING.

Chairman Carroll asked for a motion to approve the minutes from the August 4, 2011 meeting. Vice-Chairman Anderson made a motion to approve the minutes of the August 4, 2011 meeting. Commissioner D'Amato seconded the motion. The motion passed unanimously.

B. PAYMENTS

Chairman Carroll asked for a motion to approve the following payment list for this month in the amount of \$1,174,052.95 as follows. Commissioner D'Amato made a motion to approve this month's payment list. Vice-Chairman Anderson seconded the motion. The motion passed unanimously.

To Westcott and Mapes, Rogers Avenue Pump Station & High Street, P.O. 10-0054821-001, Account No. 0026-4154-0046-4993-0000 in the amount of \$4,260.00;

To Westcott and Mapes, East Broadway Interceptor Replacement, P.O. 11-0056033-001, Account No. 0026-4154-0036-4993-0037 in the amount of \$4,800.00;

To Westcott and Mapes, West Avenue Parallel Force Main, P.O. 11-0056034-001, Account No. 0026-4154-0036-4993-0031 in the amount of \$12,905.00;

To Westcott and Mapes, Infills Project No. 1, P.O. 11-0057568-001, Account No. 0026-4154-0047-4993-0000 in the amount of \$23,400.00;

To Westcott and Mapes, Indian River Interceptor, P.O. 11-0057846-001, Account No. 0026-4154-0036-4993-0033 in the amount of \$18,400.00;

To AECOM Technical Services, Rock Street and Welchs Point Pump Stations, P.O. 08-0050651-001, Account No. 0026-4154-0036-4993-0028 in the amount of \$31,297.47;

To AECOM Technical Services, West Ave and Gulf Pond Pump Stations, P.O. 08-0050650-001, Account No. 0026-4154-0036-4993-0039 in the amount of \$28,217.35;

To AECOM Technical Services, Mayflower Pump Station, P.O. 08-0050649-001, Account No. 0026-4154-0036-4993-0032 in the amount of \$105,628.73;

To R. Camputaro & Son Excavating Inc., East Broadway Pump Station Replacement Project, P.O. 11-0055752-001, Account No. 0026-4154-0036-4994-0022 in the amount of \$651,174.80;

To C. J. Fucci Construction, West Avenue Parallel Force Main Project, P.O. 11-0056192-001, Account No. 0026-4154-0036-4994-0021 in the amount of \$112,995.22;

To C.H. Nickerson, West Ave/Gulf Pond Pump Stations, P.O. 11-0057692-001, Account No. 0026-4154-0036-4994-0031 in the amount of \$180,974.38;

The total of the approved Payment List for the September meeting is: \$1,174,052.95.

VOTING APPLICATIONS

none

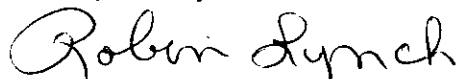
CHAIRMAN'S REPORT

There were two administrative approvals this month:

1. 1391 Boston Post Road – Old Circuit City Retail space – This project is to split an existing retail space into 2 smaller retail spaces. One new half will be occupied by Home Goods. This property is allowed 50,100 gallons per day and their prior water usage is 6,874 gpd for the entire property. The proposed new water usage for the entire property is 8,674 gallons per day which is well below their allowed water usage.
2. 365 Boston Post Road – Milford Massage Spa – This project is to renovate existing retail space for a Massage Spa. The proposed gallonage including all other tenants is 1,029.56 gpd. The allowed gallonage is 1,035 gallons per day. They must install flow restrictors on all plumbing devices.

Chairman Carroll asked for a motion to adjourn the meeting at 8:47 p.m. Commissioner Cooke made a motion to adjourn the meeting at 8:47p.m. Commissioner Saley seconded the motion. The meeting adjourned at 8:47 p.m.

Respectfully submitted,



Robin Lynch
Recording Secretary
Sewer Commission