The Special Meeting of the Water Pollution Control Authority was called to order by Commissioner DeAngelis at 3:00 p.m. in the Shelton City Hall, Rm #305, 54 Hill Street, Shelton, CT. 06484 on January 29, 2020.

The following Commissioners were present to constitute a quorum:
Chairman G. Michael DeAngelis
Commissioner Edwin Hellauer
Commissioner Stephen Chuckta
Commissioner Donald Ramia
Commissioner Stephen Morse (absent)

Also, in attendance were:
WPCA Administrator Ernest Hutchinson IV
WPCA Asst. Administrator Peter Pavone
Matthew Jermine PE
James Swift C.E.
Joseph Pereira PE

1.) THE PLEDGE OF ALLEGIANCE
The Pledge of Allegiance was recited by all.

2.) OLD BUSINESS

A. APPLICATION - 427 HOWE AVENUE, BRIDGE STREET COMMONS II

To: City of Shelton, Water Pollution Control Authority (WPCA)

From: Matthew Jermine, PE

Application #: 20-104  Applicant Name: Angelo Melisi  Non-Industrial ADF: 8,603 GPD
Date: January 29, 2020  Project Name: Bridge Street Commons II  Industrial ADF 0 GPD
Sewer Shed #: 8  Project Address: 427 Howe Avenue  Peak Hour Flow Rate: 33 GPM

The City of Shelton Water Pollution Control Authority (WPCA) requested review of a sewer connection application proposed at the November 13th, 2019 commission meeting. Fuss & O’Neill has reviewed the following:

- Flows coming from the proposed development.
- Shelton’s ‘Sewer shed Specific Future Flow Allocations’ tables.
- Relevant rules and design guidelines as they apply to connections from the main sewer to the buildings.
- Sewer connection layout on the drawing(s) submitted by the applicant.

Recommendations

After completion of the proposed application and analysis of conceptual development plans provided by the applicant, Fuss & O’Neill recommends the following additional items:
1. Gravity Sewer Piping:
   a. Confirm that the gravity sewer piping is 6-inch SDR-35 PVC.
   b. At sewer crossings with other utilities, provide a minimum of 12-inches of vertical separation between the crown of the sewer pipe and the invert of water and storm piping.
   c. Provide a service saddle when tying the new service connection into the existing gravity sewer main. The applicant will need to create a round cutout and install the appropriate watertight service saddle.
   d. Provide a service cleanout tee-wye extending to grade with cast iron hand-hole covers reading "SEWER", located not more than 5-feet from the exterior building wall. Cover must be suitable for embedment in the pedestrian sidewalk.
   e. Locate the existing service connection(s) to be abandoned and cap at the curb line.

2. Outdoor grease interceptor tanks:
   a. A FOG Discharge Permit Form should be submitted to the sewer department for each applicable Food Serving Establishment tenant prior to commencement of construction for administrative review. FOG management practices shall be followed to meet applicable State CT DEEP and City of Shelton requirements.
      i. Tank sizing shall be a minimum of 100% of restaurant flow consisting of one or multiple units installed in series.
      ii. A sampling port shall be installed on the discharge of the grease interceptor tank with access riser to grade.
      iii. Tank(s) and sampling port shall be constructed of acid corrosion resistant materials such as molded polyethylene OR precast concrete with interior epoxy coating.
      iv. Locating tanks under parking spaces or dumpsters or within parking garages are prohibited.
   b. Plumb the tanks with dedicated piping servicing kitchen fixtures or drains that discharge waters containing fats, oils, and grease:
      i. Pot sinks, pre-rinse sinks, soup kettles, wok stations, floor drains/sinks into which kettles may be drained, automatic hood wash units, dishwashers without pre-rinse sinks, any other fixtures/drains likely to allow FOG discharges.
      ii. Food grinders or food pulpers should not discharge to the grease interceptor to prevent the accumulation of solids.
      iii. Domestic sanitary sewage including toilets, bathroom sinks, showers, and laundry should not connect to the grease interceptor.
      iv. Set building hot water temperature below 150°F.

3. Follow the directives of the City of Shelton's WPCA Department designated representative - agent during construction.
The applicant’s Engineer James Swift C.E. was present to answer any questions related to the project. Chairman Michael G. DeAngelis wanted the applicant and any future owners to understand that one of the conditions for approval “including but not limited to” the tank used for fats, oils and grease (known as FOG) to be of sufficient size to conform to CT General Statute Section 22a-430b and the City of Shelton Ordinance No. 849 with test results lower than 100 mg. per liter, and if at any time the building use and FOG testing depicts non-conforming results that the owner of 427 Howe Avenue will take immediate steps to “do whatever is needed” to remain within acceptable FOG limits (less than 100 mgl).

James Swift acknowledged the stipulations and conditions of the Chairman.

Matthew Jermine presented his computations/calculations regarding the application and confirmed the data with both James Swift and the Board.

A motion was made by Commissioner Hellauer to approve the application for 427 Howe Avenue known as Bridge Street Commons II which include but is not limited to the Chairman’s FOG recommendations; that the current owner and any future owners will size the FOG tank to the size of the businesses associated with its use. And that at any time the test results prove the tank to be undersized or the pumping frequency needs to be increased that the owners of 427 Howe Avenue will comply with the CT General Statute Section 22a-430b and the City of Shelton Ordinance No. 849 with test results lower than 100 mg. per liter, by proper means.

Seconded by Commissioner Ramia.

A voice vote was taken and the motion passed. Chairman DeAngelis opposed the PDD.

B. APPLICATION – 502 HOWE AVENUE.

To: City of Shelton, Water Pollution Control Authority (WPCA)

From: Matthew Jermine, PE

Application #: 20-103 Applicant Name: Joe Pereire Non Industrial ADF 4,930 GPD

Date: January 29, 2020 Project Name: 502 Howe Avenue Industrial ADF 0 GPD

Sewer Shed # 8 Project Address: 502 Howe Avenue Peak Hour Flow Rate 19 GPM

The City of Shelton Water Pollution Control Authority (WPCA) requested review of a sewer connection application proposed at the November 13th, 2019 commission meeting. Fuss & O’Neill has reviewed the following:

- Flows coming from the proposed development.
- Shelton’s ‘Sewer shed Specific Future Flow Allocations’ tables.
- Relevant rules and design guidelines as they apply to connections from the main sewer to the buildings.
- Sewer connection layout on the drawing(s) submitted by the applicant.

Recommendations
After completion of the proposed application and analysis of conceptual development plans provided by the applicant, Fuss & O’Neill recommends the following additional items:

1. Gravity Sewer Piping:
   a. Confirm that the gravity sewer piping is 6-inch SDR-35 PVC.
   b. At sewer crossings with other utilities, provide a minimum of 12-inches of vertical separation between the crown of the sewer pipe and the invert of water and storm piping.
   c. Provide a service saddle when tying the new service connection into the existing gravity sewer main. The applicant will need to create a round cutout and install the appropriate watertight service saddle.
   d. Provide a service cleanout tee-wye extending to grade with cast iron hand-hole covers reading “SEWER”, located not more than 5-feet from the exterior building wall. Cover must be suitable for embedment in the pedestrian sidewalk.
   e. Locate the existing service connection(s) to be abandoned and cap at the curb line.

2. Outdoor grease interceptor tanks:
   a. A FOG Discharge Permit Form should be submitted to the sewer department for each applicable Food Serving Establishment tenant prior to commencement of construction for administrative review. FOG management practices shall be followed to meet applicable State CT DEEP and City of Shelton requirements.
   i. Tank sizing shall be a minimum of 100% of restaurant flow consisting of one or multiple units installed in series.
   ii. A sampling port shall be installed on the discharge of the grease interceptor tank with access riser to grade.
   iii. Tank(s) and sampling port shall be constructed of acid corrosion resistant materials such as molded polyethylene OR precast concrete with interior epoxy coating.
   iv. Locating tanks under parking spaces or dumpsters or within parking garages are prohibited.
   b. Plumb the tanks with dedicated piping servicing kitchen fixtures or drains that discharge waters containing fats, oils, and grease:
   i. Pot sinks, pre-rinse sinks, soup kettles, wok stations, floor drains/sinks into which kettles may be drained, automatic hood wash units, dishwashers without pre-rinse sinks, any other fixtures/drains likely to allow FOG discharges.
   ii. Food grinders or food pulpers should not discharge to the grease interceptor to prevent the accumulation of solids.
   iii. Domestic sanitary sewage including toilets, bathroom sinks, showers, and laundry should not connect to the grease interceptor.
   iv. Set building hot water temperature below 150°F.

3. Follow the directives of the City of Shelton’s WPCA Department designated representative - agent during construction.
Joseph Pereira of Pereira Engineering, LLC. was present to answer any questions. Joe pointed out the buildings proposed use to the board and confirmed the application data.

Chairman Michael G. DeAngelis reiterated the stipulations/conditions to Joseph and wanted the applicant and any future owners to understand that one of the conditions for approval "including but not limited to" the tank used for fats, oils and grease (known as FOG) to be of sufficient size to conform to CT General Statute Section 22a-430b and the City of Shelton Ordinance No. 849 with test results lower than 100 mg. per liter, and if at any time the buildings use and FOG testing depicts non-conforming results that the owner of 502 Howe Avenue will take immediate steps to "do whatever is needed" to remain within acceptable FOG limits (less than 100 mgl).

Matthew Jermine presented his computations/calculations regarding the application and confirmed the data with both Joseph Pereira and the Board.

A motion was made by Commissioner Ramia to approve the application for 502 Howe Avenue which include but is not limited to the Chairman’s FOG recommendations; that the current owner and any future owners will size the FOG tank to the size of the businesses associated with its use. And that at any time the test results prove the tank to be undersized or the pumping frequency needs to be increased that the owners of 502 Howe Avenue will comply with the CT General Statute Section 22a-430b and the City of Shelton Ordinance No. 849 with test results lower than 100 mg. per liter, by proper means.

Seconded by Commissioner Hellauer.

A voice vote was taken and the motion passed. Chairman DeAngelis opposed the PDD.

3.) NEW BUSINESS

A. CONNECTION FEE RATES

<table>
<thead>
<tr>
<th>Sewer System Net Value Update</th>
<th>Shelton WPCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Year Completed</td>
</tr>
<tr>
<td>Net Value of Plant and Sewers</td>
<td>2007</td>
</tr>
<tr>
<td>Treatment Plant Efficiency Improvements</td>
<td>2020</td>
</tr>
<tr>
<td>Plant Water System</td>
<td>2017</td>
</tr>
<tr>
<td>Sludge Aeration and 2 PD Blower Replacement</td>
<td>2015</td>
</tr>
<tr>
<td>SBR Tank Drains, Odor Mitigation, Air Flow</td>
<td>2011</td>
</tr>
<tr>
<td>Total</td>
<td></td>
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<tr>
<td>Revised Net Value</td>
<td></td>
</tr>
<tr>
<td>Divide Total EDU's (4mgd/210 GPD)</td>
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</tr>
<tr>
<td>Sewer Connection Charge per EDU (Proposed)</td>
<td></td>
</tr>
</tbody>
</table>

Benefit Connection Charge will be updated annually in July based on recently completed sewer system improvements and RS Means Historical Cost Index.
Chairman DeAngelis discussed the current connection fee rate and asked the board about a previous commercial building permit that had not come before the board. The question put before the board was “should we assess the building owner with a new connection fee.” Two new proposed building renovations (changes in use) were also put before the board regarding assessing a new connection fee.

Matthew Jermine presented a comprehensive schedule of rates and proved there is a need to increase the benefit connection charges. Matthew confirmed this by way of historical cost indexes, present operating costs and future estimated costs. Based on a host of documented expenses to the City, its plants operating expenses, planned improvements, and current expenses, the sewer connection charge per EDU fee proposed will be $3,173.00 dollars for all “new” applications after a public hearing.

A motion was made by Commissioner Hellauer to approve the proposed sewer connection fee to $3,173.00 dollars subject to a public hearing.

Seconded by Commissioner Ramia.

4.) ADJOURNMENT

A motion was made by Commissioner Hellauer to adjourn the January 29th, 2020 Special Meeting at 4:48 pm. and seconded by Commissioner Chuckta. A voice vote was taken and the motion passed unanimously.

Respectfully submitted,
Ernest James Hutchinson IV