

"A Historic Past"



"A Bright Future"

CITY OF DELAWARE CITY

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**DELAWARE CITY TOWN HALL
CITY COUNCIL CHAMBERS
407 Clinton Street
Delaware City DE 19706
October 1, 2018**

**SPECIAL MEETING OF MAYOR & COUNCIL MINUTES
Called Pursuant to
WASHINGTON STREET FLOOD MITIGATION PROJECT**

CALL TO ORDER

The Honorable Mayor Green called the special meeting to order at 5:30 p.m.

PLEDGE OF ALLEGIANCE

Mayor Green led the Pledge of Allegiance to the Flag.

ROLL CALL

Along with Mayor Green others present were Vice Mayor Malinowski, Council Members Barrett, Titus, Renoll and Konkus. Also present were City Manager Houck and City Secretary Hanna. City Manager Houck introduces Finance Manager Ross McQuinn.

Before entertaining the new business, Mayor Green gives Council a choice of asking questions at the end or as the discussion moves along. Vice Mayor Malinowski suggests as the discussion moves along and the others agreed.

NEW BUSINESS

Washington Street Flood Mitigation Project - Discussion of Existing Outfalls on Harbor Street

City Manager Houck explains the reason for the meeting is primarily informational. The project is moving forward and may be finished before the March deadline. She does not anticipate the need of a vote tonight unless something comes up. Mr. Steven Lewindowsky from Duffield Associates will address the issue of the outfalls on Harbor Street.

Mr. Lewindowsky opens explaining the two (2) items that are for discussion: Outfall #1 and Outfall #2. The definition of an outfall is pipe that discharges storm water into a receptacle (the River).

There are three (3) primary components that make up the project.

- Component #1 are the improvements to Outfall #1 (an existing pipe under the sea wall).
- Second Component is storm sewer improvements on Washington Street to collect the storm water
- Third Component is the new pumping station that will carry the water out.

The concern tonight is Outfall #1 which had to wait until the migration of certain species of fish had concluded. When the contractor was able to return to work end of August the cage over the end of the pipe was removed. It was learned the tide gate that keeps storm water from coming back into the street was no longer functional and could not be cleaned out to have a new pipe slipped in to run to the catch basin extending it out a 100-feet.

Mr. Lewindowsky explains that after finding a junction box buried under the sea wall it would not be possible to proceed as planned. Buoyancy tests were calculated and resulted in not enough concrete collars to hold the pipe down at the 100-foot mark, which was proposed by the previous engineering company to keep the silt and other debris from collecting in the pipe.

Possibilities to resolve the problem was discussed

- Add more weight
- Different ways to anchor the pipe in the earth
- Realized it would be a very substantial amount of concrete needed
- Questioning if the pipe should extend 100-feet out

The solution that holds merit is to shorten the pipe and use the concrete collars at hand. The benefit of the shorter pipe is it provides for easier maintenance since it can be seen from the shore. The new pipe will extend about 12-feet from the old cage. It was arranged with the contractor to have a deduction of the pipe cost.

Council Members Konkus and Barrett along with Mayor Green discussed where the pipe at the new proposed length is located and what will happen with the unknown junction box. Mr. Lewindosky replied a new pipe would be slipped through the existing pipe because it has been found to be in good condition. Discussion began again about this being the most viable and cost efficient solution.

Council Member Titus asked how the junction box was not known from the beginning. Mr. Lewindowsky replied that it is difficult to assess what the exact underground conditions are. It is the practice to rely on information and drawings that are known to work from. In relation to the cost factor, Mayor Green adds that every contract has a 10% to 15% set aside for the unknown. Mr. Lewindowsky said the contractor is waiting for direction from Mayor & Council.

Discussion about the amount of the deduction and which phase it will be credited to followed until it was understood by everyone that it will come off the Phase 1 costs and it has been confirmed in writing from the contractor.

The discussion came from Council Member Renoll's comment about how would the sediment problem be addressed. Mr. Lewindowsky replied a duckbill style check valve with a small opening would deflect debris and also routine maintenance to clear debris around it. Recommendations on how often will be given.

Outfall #2 is an existing smaller 12-inch (Outfall 1 is 30-inches) and not part of the Washington Street project. Recommendation is to have it cleaned out and then assess the pipe. However, it is believed that it would function if cleaned out. The exterior pump operates at high tide events. Since the area that flows down to Outfall #2 is several feet higher if it had a check valve there would be no need for the exterior pump under routine maintenance conditions.

City Manager Houck reminds Council that Outfall #2 is not a part of the Washington Street Project, which was not known in the beginning. Providing some minor grading down to the water line will also help proper drainage. This will require Army Corp of Engineers and State for simple administrative amendments to the permits. Then draft a scope of work for the contractor.

Council Member Titus asked what type of contractor would be needed to do the job. Mr. Lewindowsky understands Cutting Edge would be able to do it. There are blanket permits that cover such maintenance. Mr. Lewindowsky explains how permitting is done.

Discussion about how the water in the park would be pumped out. Most of the water falling in the park area is from wave action. The water will drain towards Clinton Street and gathers in the catch basins on Clinton Street.

City Manager encourages Council that the water in the park will need to be addressed. Mr. Lewindowsky will have conversations with the permitters to keep the project going.

Outfall #1 is in the parameters of the project but Outfall #2 is pending on the decision of Mayor & Council.

City Manager Houck says discussions are needed on how to handle flooding in the park at a later time. However, she believes we have a good outcome with a maintenance plan to get the project completed.

Outfall #1 is part of the current project. Outfall #2 is not part of the project and is pending on what Council wants to do. Mr. Lewindowsky agrees with Mayor Green's summation.

Vice Mayor Malinowski asks if there are drains with gates in the park. Unfortunately Mr. Lewindowsky said he's unable to answer that because he is not familiar with what is in the park.

Discussion continued concerning the \$15,000 deduction from shortening the pipe and if it could be applied towards the new work on Outfall #2. Mr. Lewindowsky believes there is enough information available to put out to contractors for bid without incurring additional expense for drawings, etc.

Mr. Buchheit said he thought the \$15,000 seems low for shortening the pipe. Mr. Lewindowsky said the contractor made an error in the schedule of values and the buoyancy factor calculations. There are products that can be returned.

City Manager will move forward with the completion of Phase 1 and start to investigate what will be involved in remedying the Outfall #2 issue.

ADJOURNMENT

The motion to adjourn was made by Council Member Barrett and seconded by Vice Mayor Malinowski. All were in favor. Council was adjourned at 5:58 p.m.

Respectfully submitted,

Bonnie Lynn Hanna

City Secretary