



1200 Wilmette Avenue
WILMETTE, ILLINOIS 60091-0040

MEETING MINUTES

MUNICIPAL SERVICES COMMITTEE OF THE VILLAGE BOARD

WEDNESDAY, MARCH 25, 2015

7:00 P.M.

COUNCIL CHAMBERS, SECOND FLOOR OF VILLAGE HALL

- Members Present: Trustee Julie Wolf, Chair
Trustee Alan Swanson
- Members Absent: Trustee Cameron Krueger
- Staff Present: Brigitte Berger, P.E., Director of Engineering Services
Michael Miller, Civil Engineer
- Guests Present: Mr. Olsen, Christopher B. Burke Engineering Ltd.
Michael Young, RJN Group

I. CALL TO ORDER.

Trustee Julie Wolf, Chair, called the meeting to order at 7:00 p.m. Committee member Trustee Swanson was present.

II. APPROVAL OF MINUTES; MUNICIPAL SERVICES COMMITTEE MEETING OF FEBRUARY 10, 2015.

Trustee Wolf directed the Committee's attention to the draft minutes of the Municipal Services Committee meeting of February 10, 2015.

Trustee Swanson moved that the Committee approve the minutes. The motion was seconded by Trustee Wolf and approved by unanimous voice vote. **The motion carried.**

III. REVIEW OF PROPOSALS FROM CHRISTOPHER B BURKE ENGINEERING LTD FOR ADDITIONAL WORK RELATED TO THE SEPARATE SEWER STORMWATER STUDY

Brigitte Berger, Director of Engineering, said at the January 28, 2015 Municipal

Services Committee meeting, the consulting firm of Christopher B. Burke Engineering Ltd. (CBBEL) presented the results of the Separate Storm Sewer Study. The goal of the study was to determine the location of critical “bottlenecks” within the system and identify projects that will improve capacity, thereby reducing overland flooding. The identified performance standard used by CBBEL was to keep flood levels below street level for the ten-year rain event. CBBEL built and calibrated an accurate hydraulic model of the separate storm system. The model results concluded that the respective capacities of the storm water pump station (585 cubic feet per second (CFS) and the two outfalls (980 cfs) to convey the stormwater the pump station in an efficient manner. Two projects were identified to meet the standard and presented.

Ms. Berger said in response to the January 28 presentation, staff asked CBBEL to submit proposals to further explore some of the options that were discussed at the meeting. The proposals are presented in the report to the Committee and a summary of the proposals is also provided.

Ms. Berger said the first proposal is a refinement of alternatives developed in the stormwater report to allow stormwater storage on the street and up to the public right-of-way. The cost for this study is approximately \$26,300.

A resident asked what defines the lowest point for allowing water to pond in the street.

Mr. Olsen, Christopher B. Burke Engineering Ltd., said the model they are working from has five different sections of the Village that will be defined individually for the lowest point in each section.

Ms. Berger said the second proposal is investigation of potential surface storage at Community Playfield. The scope of this study includes determining a location within Community Playfield to excavate the basin, what amenities could be placed within the lowered area (parks, soccer fields, etc.) and developing a concept grading plan and cost estimate. The cost for this additional study is \$16,000.

Ms. Berger said the third proposal includes coordination with the Village of Glenview on the feasibility of connecting to their stormwater project for drainage improvements for Lockerbie Lane and LeClaire Avenue. The cost for this study is approximately \$14,000 for a preliminary drainage design and cost estimate.

Trustee Swanson asked how many hours would be involved for each of the three proposals.

Mr. Olsen said for the first proposal there would be approximately 200 hours, the

second proposal there would be approximately 100 hours and the third proposal there would be approximately 90 hours involved.

Trustee Wolf asked when the Village of Glenview would have to be made aware of the Glenview study.

Mr. Olsen said it is important to start the coordination with Glenview as soon as possible.

Trustee Wolf asked about the potential surface storage of the Community Playfield and are there ways to construct it so the park would be fully functional.

Mr. Olsen said they have designed parks that are depressed to allow the stormwater to be temporarily stored there, the stormwater drains out and the parks are then usable to play on.

Trustee Swanson asked what the water detention time cycle would be.

Mr. Olsen said it depends on the type of system. The more water that you have to store and the longer it has to be held, obviously will take longer to drain out. They generally install under drains in systems like this so in some cases the water drains faster.

Trustee Wolf asked how deep the depressed area would have to be.

Mr. Olsen said it depends on each situation, the area could be depressed 4-8 feet with gradual sloping.

Karlene McAlister, 323 Wilshire Drive East, said her street already experiences one and half feet of ponding so where would the water go.

Ms. Berger said the storm system has three components; the conveyance (pipes), the pump station at Lake and Harms and the outfalls where the water goes from the pump station out to the north branch of the Chicago River. As the report showed, the bottleneck is in the conveyance so there will still have to be larger pipes but they can allow some of the water to pond in the streets and up onto the curb to keep the size of the pipes and cost down.

Joel Kurzman, 2615 Greenleaf, said the idea of having water in the street rather than your home is conceptually fine but the right of way is often the way out of the home. He said if streets already have a large amount of water in the streets, would the proposed plan reduce the water amount in the street.

Trustee Swanson said they are trying to determine how big a conveyance system is needed and how much water can be left in the street to pond up to the public

right-of-way.

Mr. Kurzman said he is concerned that notice was not properly given for the February 10, 2015 meeting when the stormwater study was discussed.

Ms. Berger said the stormwater study was not on the agenda at the February 10, 2015 meeting. She said in new business at the end of the meeting, she provided a follow up regarding suggestions made at the January 28, 2015 meeting noting that proposals from Christopher B. Burke Engineering would be reviewed at a future Municipal Services Committee meeting.

Jerry Tater, 333 Wilshire West, said one of the items brought up in the January meeting was the suggestion of piping in the street being pumped out to provide immediate relief of water. He said that solution has been used in other areas of the country in streets which he believes would be less expensive.

Mr. Olsen said that type of piping system is used when a river is over flooding its banks and the water is pumped back into the river system. There is no place in Mr. Tater's area that the water could be pumped to and the size of the pipes that would be needed would be very expensive.

Bob Davis, 227 Kilpatrick, said he relies on the Village Board meeting notices to tell him when stormwater will be discussed at an upcoming meeting. He believes re-grading the streets would help with flooding in his neighborhood.

Joel Feinstein, 407 Wilshire Drive West, said he would suggest placing berms in upland areas to help reduce the amount of water draining to lower areas in the neighborhood.

Trustee Swanson moved to recommend to the Village Board to enter into three agreements with Christopher B. Burke Engineering Ltd. as outlined in the March 25th memo provided by staff. The motion was seconded by Trustee Wolf and approved by unanimous voice vote. **The motion carried.**

IV. REVIEW OF SMOKE TESTING RESULTS FOR KENILWORTH GARDENS AND DISCUSSION OF ADDITIONAL INFILTRATION AND INFLOW (I/I) STUDIES

Ms. Berger said in response to widespread sanitary-related flooding in the separate sewer system west of Ridge Road, the Village implemented a multi-tiered approach to address sanitary sewer backups. Now that the large system improvements are either completed (Wilmette and Hibbard Relief Sewer project) or underway (West Park Sanitary Storage Project) staff is focusing on programs to reduce inflow and infiltration (I/I).

Reducing non-sanitary flows in the sanitary system will further reduce the severity and frequency of sewer backups. From a regulatory standpoint, the Metropolitan Water Reclamation District of Greater Chicago (MWRD) has recently adopted changes to the Watershed Management Ordinance, also adopted by Wilmette, that requires local agencies tributary to MWRD to adopt an I/I program over the next five years. This includes developing a program to address I/I on private property. Smoke testing is one of the most economical methods of determining inflow and infiltration sources on both public and private property. In October 2013, RJN completed smoke testing of the Kenilworth Gardens subdivision to identify public and private sources of inflow and infiltration into the sanitary system.

Ms. Berger said Michael Young from RJN Group will give a brief presentation of the subject.

Mr. Young reviewed the report provided to the Committee noting the first part of the project (West Park Sanitary Storage Project) is proceeding and is on schedule. He said the second part of the project is expanding smoke testing to additional areas within the Princeton Basin. Using the methods outlined in the report, RJN will use smoke testing to identify various defects in the collection system as well as to find contributing sources of inflow and infiltration. Common identified concerns include cracked main lines and laterals, connected downspouts and window well drains, directly connected storm sewer, connected foundation drains, area, patio, and driveway drains, and broken cleanouts. Additionally, cross connections such as leaking storm sewers crossing sanitary sewers will also be identified for further inspection by dyed water flooding.

Mr. Young said they have finished the smoke testing in the Kenilworth Gardens area and a portion of the dye flooding. The immediate proposal is to finish the dye flooding in Kenilworth Gardens and start to expand the smoke testing outside of Kenilworth Gardens to a larger portion of the Princeton Basin.

Trustee Swanson said he believes that the work done up to this point has been very valuable. He has concerns with the 54% compliance rate of property owners making repairs, he would like to see everyone comply. Trustee Swanson said it is a large contract that is proposed and he believes the Village may need to request proposals.

Trustee Wolf said she agrees that it would be prudent to do a request for proposals (RFP). She said the information provided so far has been extremely helpful especially since MWRD requires a plan from the Village.

Trustee Swanson said the information has been extremely helpful as the problems have been identified as not only Village issues.

Trustee Wolf said the Committee is in agreement that staff will do an RFP for the project.

V. RESOLUTION NAMING THE WILMETTE WATER PLANT

Trustee Swanson said there have been several articles written about Carbon P. Dubbs who was a previous mayor of Wilmette when the decision was made to build the plant. He was the person most responsible for developing what has turned out to be of Wilmette's greatest assets. As a result of Mr. Dubbs' leadership, the Wilmette water treatment plant was completed in 1934 and Trustee Swanson believes that his service should be recognized.

Trustee Swanson moved that the Municipal Services Committee recommend to the Village Board that the Wilmette Water Plant be renamed after Mr. Carbon P. Dubbs, seconded by Trustee Wolf and approved by unanimous voice vote. **The motion carried.**

VI. NEW BUSINESS

There was no new business.

VII. PUBLIC COMMENT

There was no public comment.

VIII. ADJOURNMENT

Trustee Wolf asked for a motion to adjourn. Trustee Swanson moved to adjourn the meeting. The motion was seconded by Trustee Wolf. No further discussion occurred on the motion. Voting yes: Trustee Wolf and Trustee Swanson. Voting no: none. **The motion carried.**

The meeting was thereafter adjourned.

Minutes Respectfully Prepared by Barbara Hirsch.