



Flood and Storm Water Commission Meeting Minutes
Friday, January 7, 2022 at 10:00 AM
Virtual Meeting - Zoom Conference

Opening Statement: Adequate notice of this meeting as required by Section 3d and 4a of the Open Public Meetings Act has been provided and filed with the Princeton Clerk.

I. Roll Call:

Members: Vadnais, Sillars, Zemble, Cohen

Absent: Van Abs, Wilson

Princeton Engineering: Stockton, Filippi, Purcell, Baker

Watershed Institute: No representatives attended

Sustainable Princeton: Symington

Chair and Secretary for the meeting: Vadnais and Redeyoff

Public: Zenon Tech-Czarny

II. Approval of Agenda — Approved

III. Approval of December 3, 2021 Minutes — Approved with one change stating that the January 26, 2022 Redevelopment Meeting will be virtual.

IV. Public Comment

- Paul Schorr sent an email to Purcell containing (4) pictures of Scott Lane/Nassau Street, Harriet Drive/Nassau Street and Snowden Lane/Nassau Street showing flooding areas. He is requesting money be spent on repaving the above mentioned streets to alleviate flooding. The response was that if we are redirecting storm water to another system, the municipality needs to see if the system has the capacity to handle the additional water.

V. Discussion and Decisions

a. Municipal Update

Cohen:

- At the last PBAC meeting, Cohen reported that the Linden Lane residents requested the municipality repair the damaged sidewalks. The sidewalks are heaving due to trees located on municipal property; Public Works Department will address this issue.
- We have hired a consultant to work on an Inventory of Roadways; Linden Lane was completed. They will provide a condition assessment for the Linden Lane segment in question. After reviewing the assessment, Linden Lane may possibly rise to the top of the list for improvements.

Stockton/Purcell :

- University's New Research Project
 - The University shared plans for their new research project where they are evaluating intensity and frequency of storms and will update the storm tables that are used in designing stormwater management systems. Their intent is to have a more dynamic evaluation of rainfall frequencies. A static rainfall frequency table is used now. The University is working on a table that can be adjusted to potential and projected runoff from climate change. The town is teaming up with the University to possibly do pilot studies on what can be done, what is being done and what kind of flows we are actually experiencing.
 - Gauging rainfall in Princeton was also discussed. The University has access to 20 years of radar data. They are looking into more rain gauges locally and the

municipality will coordinate with the University. After determining rainfall projection, a computer model of Stony Brook Watershed will be completed.

The municipality requested the modeling also be done for Harry's Brook.

- This project is a multi-year, multi-disciplined project with many of the University departments involved.
- The University is looking at producing a documentary.
- The group will meet in a few weeks to discuss further.
- Regarding stormwater management, developers will only do what is required according to the latest regulations. DEP is investigating increasing their guidelines to the 500 year storm. Benefit/Cost ratio needs to be taken into consideration.
- At the January 24, 2022 Council meeting, the municipality will be requesting approval for a PSA for flood plain mapping study for the remaining part of Harry's Brook, from North Harrison Street to Snowden Lane, so it can be designated as Zone AE instead of Zone A.

b. Redevelopment Stormwater Ordinance

- Wednesday, January 26, 2022 at 7:30 pm is the confirmed date for the stakeholder meeting. After discussing the date, it may have to change.
 - 27 people, excluding staff, have received a Save the Date invitation. This meeting will be held in person in the Main Meeting Room at the Municipal Building. It is open to the public.
 - The meeting will be in a Webinar format. Staff and invitees are the panelists. Public will be able to watch the proceedings. It is designed to be a dialogue between staff and invitees.
 - Agenda:
 - ❖ The municipality will set the stage with current stormwater management regulations for redeveloped properties, ideas on how to move forward and address redevelopment.
 - ❖ Watershed Institute will address the need for ideas for managing stormwater on redeveloped properties.
 - ❖ The invited attendees will have the opportunity to speak.
 - ❖ A follow-up meeting will be scheduled to discuss the proposed agenda and the proposed document to be available to the public.
 - Format of the meeting – There are ways in which Zoom allows the public to engage. Questions, polls, get feedback from public. Symington offered to assist.

c. Stormwater Flow Mapping

- Consultant RVE is hired to map our entire drainage network including mapping all inlets and obtaining dimensions of inlets, culverts, and pipes. To start, RVE will be working in 3 pilot areas. The (3) neighborhoods are the Witherspoon Jackson neighborhood, Hunt Drive and Winfield Drive and Laurel Road and Mansgrove Road. These are areas that experienced flooding during TS IDA.
- CAPERS Team only has 40 streets left to survey and they plan to finish the end of the month.
- Tech-Czarny asked if we can look at Leavitt, Franklin, Doran mini sub-water shed.

This area could be used as a case study.

d. Stormwater Utility

- Eight of the nine proposals received were strong. Filippi picked the top four to discuss with Stockton and Purcell. This assessment will then be presented to the subcommittee. Interviews for the top 3 will be scheduled.

e. Master Plan / Utility Element / Mitigation Plan

- No forward movement on the Master Plan; have to finalize contract.
- Regarding the Mitigation Plan, a good conceptual discussion took place. Mitigation Plan draft was posted to the google site just prior to the meeting and not everyone got to review the draft before the meeting.

VI. Reports from Liaisons

- Princeton Environmental Commission (Zemble)
 - PEC reviewed the West Windsor application to subdivide the property on Bayard Lane. The lot will be subdivided into three lots with single family, 4 bedroom homes on all three lots. There is a large wetland area on the property. The plan did not receive favorable comments from the PEC.
- Sustainable Princeton (Symington)
 - The Capers Team is available to help with any GIS mapping projects.
 - At the Upcycling Event, bikes, scooters, corks, Styrofoam, reusable bags, printer cartridges, and batteries will be collected.
 - Will attend the next Princeton Merchants Association meeting to discuss the update on existing plastic straw ban and new rules on plastic and paper bags and Styrofoam. Rules and alternatives will be discussed.
 - Opened up applications for landscaping companies to receive \$500.00 reimbursement to cover cost of hand held battery operated leaf blower, extra battery and charger. The money does not have to be spent on a leaf blower.
- SPRAB Meeting
 - SPRAB had similar concerns as PEC regarding the West Windsor Application; the need to reduce impervious coverage, reduce the amount of trees being cut down, change the configuration of the driveway. This application requires DEP approval due to the wetlands located on the property. 2-3 homes are being built in the transition area.

Other: Working with a consultant to evaluate the leaf and branch program. In the next few months, the municipality will go to Council with a report analyzing the current cost of the program and potential modifications.

Adjournment at 11:48 AM

Next meeting is Friday, February 4, 2022 at 10:00 AM