

CCV Stormwater Management Committee Meeting
October 27, 2020 7:00-8:30 PM

In Attendance: Julie Sparacino, David Goldwyn, Elise Pas, Paul Kempton, Kevin Cannard, Nancy Somerville, Peter Marks, Thomas McCarty, Bruce Hebbard, Tony Salah, Pablo Guerrero, and Todd Eskelsen

- I. Introductions and Purpose
 - A. All members were present.
 - B. David Goldwyn reviewed the purpose of the committee: identify short and long term problems from water, inventory infrastructure, analyze cost effective solutions, and generate a report on these recommendations.
- II. Discussion of Draft Work Plan
 - A. The SWM discussed a draft work plan, sources of information and assigned leaders portions of the work. Tom will share a mapping of drainage (e.g., pipe diameters and outflow systems) and facilities and will verify with DOT that their information is up to date. Paul looked into the GIS mapping and can conduct flow, slope, and elevation analyses using this.
 1. CCV already commissioned a walkthrough of the town, examining the curbs and efficiency/deficiency of the roads. Peter said he can gather more information about this.
 - B. Assess stormwater problems and issues:
 1. Nancy asked how we capture the issue of water that is not making into the system (e.g., is flooding people's houses). This is something we need to (partially) capture in surveying.
 2. Examining topography- where the low points are and the natural flow of water throughout CCV (i.e., where does water originate and where does it end up?) so that we can ultimately make recommendations on how to redirect water throughout the town. The SWM discussed the need for a water flow analysis.
 3. Analysis of pervious and impervious surfaces: a Soil Boring Test can analyze the soil characterization - might need a Geotechnical Engineer for this- to examine the soil composition of CCV land and how it contributes to the stormwater issues
 4. Engaging DOT
 - a) **The CCV Stormwater Management Committee recommends that the Town Council advocates for the DOT to conduct a CCV wide study to assess the adequacy of the county's drainage system for managing**

reasonably foreseeable levels of rainfall, the quality of that rainfall, the contribution that infrastructure has on flooding in CCV and solutions for mitigating that flooding. The SWM further encourages the Town Council to pursue that advocacy in collaboration with SWM and MC County Council elected officials. Unanimous agreement on this recommendation.

- C. Updating town ordinances: current ordinances focus on proximity to the street (setbacks)- there are also county ordinances for new construction.
 - 1. We will want to consult with Joe Toomey and Ron Bolt and also with county officials about best practices.
 - 2. **The CCV Stormwater Management Committee requests that the Town Council make Mr. Toomey and Mr. Bolt available to share their mapping resources and their knowledge about ordinances and stormwater best practices in CCV and surrounding communities. Unanimous agreement on this recommendation.**

III. Discussion of Canvass Questions

- A. Jana shared a list of questions about the stormwater issues. **The SWM recommended the survey be conducted in a way that allows for personalized follow up, to ensure a complete and sound historical set of data. The SMW recommended that the questions be structured and organized in a way more likely to produce results, including offering some multiple choice options, and organizing questions by category. The SWM offered to help conduct follow up in person canvassing as needed.**
- B. Items and approaches discussed among the group
 - 1. Can we assess the new construction and impacts on the stormwater by asking long-term residents about this?
 - 2. We will likely need multiple approaches- mail-ins, door-to-door, utilizing the listserv.
 - a) Accessing the residents in CCV:
 - (1) Email access: the constant contact list is a little over 300 people, but there are multiple listings per home- it does not represent all homes. There are a few other ways the town has emails and Julie/Jana could compile.
- C. David generated a list of questions to send directly to Jana in response to her email with DOT's questions. Unanimous agreement to send these suggested questions.

- IV. Presentation of GIS mapping of CCV (Tom)
 - A. Resources available and shared by Tom in the “Stormwater GIS Data” for CCV in the ArcGIS StoryMaps resource. Tom walked the committee through the multiple layers of data (e.g., one that demonstrates how the natural streamways flow through the town and indicate there are flows to the Northwest and Southwest [Rock Creek] and the East [Connecticut Avenue]). Also showed layers that map the drainage system (county and state). Also generated a mapping of water mitigation systems in CCV and mapping that has historical data to compare the sizes of houses and amount of tree coverage.
 - 1. Potential areas of concern are narrowing of piping that could indicate a problem with capacity; there are a number of mitigation systems that indicate that residents are needing to cope with water issues.
 - 2. Resources for residents: MCDOT Drainage Assistance Request.
- V. Presentation on rainfall and weather-related data (Bruce/Tom)
 - A. Tom shared a National Weather Service site that logs rainfall maps of significant rainfall (on which 9/10/20 and 7/7/20 are both listed).
 - B. Bruce shared a presentation on rainfall:
 - 1. 9/10/20 storm- it was very localized and in the worst case, it was documented as peaking at about 6 inches (Hyattsville, MD). There were two separate periods of rain- 1 PM and 3 PM. One report showed 4.69 inches in Kensington during this storm.
 - a) This was a convective storm system that was difficult to predict. The two key important predictors of flooding are the amount of rainfall and the intensity of rainfall. Shared area photos from around the DMV area; some which mapped to the mapping of neighborhood streamways.
 - b) How unusual was this storm? 4 inches in 3 hours- data suggests that this type of storm is a “once in 75 years” event.
 - 2. Presentation on climate change data from NCA 4 indicates that there are marked changes in rainfall and predicted 40% predicted change, in the region, by the end of the century.
- VI. Resident Questions
 - A. No residents present.
- VII. Next Steps
 - A. Meeting next week- all members can send an email with agenda items
- VIII. Adjournment