

**ATTENDEES:** SWMAC: Paige Maz, Regina Majercak, Charles Boschen, Paul Burgmayer, Joe Schanne, Tim Sass, Heather Gill  
CH2M: Daniel Wible  
Township: Bob Zienkowski (Township Manager; attended first half of meeting)  
Board of Commissioners (BOC): John Nagle and Phil Ahr (both attended first half of meeting)

**PREPARED BY:** CH2M  
**MEETING DATE:** April 14, 2016  
**SUBJECT:** April 2016 meeting

**YouTube link:** meeting took place in the Police Roll Call Room and therefore was not televised

#### **Review of Previous Meeting Minutes**

- March 10, 2016 SWMAC meeting minutes – approved

#### **Public Comment**

- Maya van Rossum (Delaware Riverkeeper and Township resident) noted the importance of developing objective criteria for evaluating stormwater projects
- Cynthia Curley (Township resident) asked why the 10-year storm was not targeted as the goal for the Radnor Middle School (RMS) stormwater system
  - Regina noted that the RMS system was already constructed and therefore was limited by its original design parameters
  - Cynthia also asked about the fiber optics issues in S. Wayne; Daniel noted that exploring these issues and potentially work-arounds are part of Gannett Fleming’s scope of work
  - Maya noted that in general, very little data and/or analysis related to stormwater can be found in the Township’s files; also, according to Maya, past stormwater analyses conducted on behalf of the Township have been too limited in scope
- Bill Bruno (205 N. Wayne Ave, Wayne), 27-year resident of the Township and former police officer, asked about the status of the N. Wayne basin
  - Bill also noted that the basin worked well in 1985, but that upstream changes have negatively impacted it
  - Daniel noted that, as part of the Township Wide Assessment currently underway, both the existing and proposed conditions of the basin would be modeled, and potentially other alternatives as well
    - Heather asked that since the Township doesn’t own the land on which the basin sits (note: it is owned by the Radnor Township School District), is it premature to start analyzing the basin at this point in the assessment?
    - Joe opined that the analysis of the N. Wayne basin should just be completed as part of the assessment and not necessarily fast-tracked
    - Joe also asked if every underground stormwater management system in the Township could be assessed as part of the Township Wide Assessment
  - Daniel also mentioned that a meeting at the site with residents of N. Wayne was also being discussed; the idea for the meeting had originated from a request made by N. Wayne resident Gale Morrison to the Township Manager

- SWMAC generally concerned that such a meeting could be unwieldy and unproductive
- Note: in a follow-up email to the BOC, Township, SWMAC, and CH2M during the meeting, Maya stated that in her opinion, the *“use of Gale Morrison to organize and host this site visit is wholly inappropriate. Ms. Morrison has a very defined perspective that is different than the perspective of many others in the community... I ask that this field visit be revisited and that the township engineer and the consultants from CH2M Hill engage in a site visit independent of any residents or that the site visit be publically notice so that all who are interested have the right and ability to observe the site visit and any discussion that take place.”*
- Bob Zienkowski (Township Manager) noted that the Township does not need permission to restore the basin to its original design parameters
- John Nagle (BOC) stated that the BOC authorized that a cost estimate for restoring the N. Wayne basin be prepared
  - Bob stated that the Township was proceeded with a proposal to restore (clean out, repair, etc.) the basin to its original design parameters
  - Note: in a follow-up email to the BOC, Township, SWMAC, and CH2M during the meeting, Maya stated that *“the stormwater advisory committee is being inundated with conflicting information regarding what was the official BOC decision with regards to N. Wayne basin. Repair and analyze a variety of options for reducing flood damages. Model a comparison of the value of repair vs the Chagrin Valley basin option. Invest in repair and then consider north Wayne basin options as part of the township wide review... I would suggest that the instructions the BOC has provided for how to move forward with regards to N. Wayne Basin needs to be clarified and put forth in writing for all to review.”*

### **Township Wide Assessment**

- Daniel provided a summary of the status of Task 1 – Identification of Flood Risk Locations in Radnor Township
  - Daniel presented CH2M’s preliminary modeling results over several slides containing flood maps for the 1-year, 1-hour storm event (specifically, one Township wide map and 15 zoomed-in maps)
    - Daniel noted that for the May 2016 SWMAC meeting, CH2M would have substantially completed Task 1, including identification of high flood risk locations that will be further analyzed in Tasks 2-4
  - Daniel noted that as part of this task, CH2M had created a new comprehensive list of all flooding / erosion problem areas throughout the Township that had been previously documented in past studies, lists, or reports
    - In the future, any new flooding / erosion problem that is brought to the Township or SWMAC will be added to this comprehensive list
    - Once projects or other “actions” are identified to help address one or more of these problem areas, then these projects or actions will be added to a new tracking sheet (discussed below)
  - Steve provided Daniel a list of key emergency personnel contacts in the Township (Sgt. McGuire – Radnor Fire Chief; Lieutenants Flanagan and Block of Radnor Police; George Smith – Township Emergency Management Coordinator); Daniel noted that he will be conducting interviews with each of them and then summarize his discussions/findings in a memo
    - Joe suggested that Daniel also contact Chas McGarvey (or another representative) of the Lower Merion Fire Department

- Cynthia Curley (Township resident) asked if the assessment / modeling would include private stormwater management facilities; she also asked if more recent elevational data could be used to inform the modeling (note: the surface modeling was based on the 2008 Digital Elevation Model, DEM, which is the most current publically available data source)

### **Discussion of Gannett Fleming’s Five Bridge / Culvert Inspections and Evaluations**

- Discussion deferred to May 2016 SWMAC meeting; SWMAC requested that Steve Norcini prioritize the list of bridge / culvert repairs prior to their next meeting

### **Old/New Business**

- 31 Highview Drive, Wayne – location of on-going erosion problem at stormwater outfall
  - Daniel noted Steve’s request for the SWMAC to consider asking one of the firms shortlisted for the Banbury project for a proposal to engineer a solution to this problem, including design, permitting, and bidding documents
  - SWMAC expressed confusion as to the requested scope of work and why the proposal received by the Township in 2015 was not constructed
    - Daniel noted that, according to his discussions with Steve, the 2015 contractor proposal would not adequately address the problem and that an engineered solution was required
    - Daniel also noted that, at Steve’s request in 2015, an approximate engineering fee of \$45,000 be included in the stormwater budget
  - SWMAC requested that CH2M prepare a proposal for this work
- Mill Dam – Daniel noted Steve’s request for the SWMAC to authorize Gannett Fleming to provide a proposal for the repair of Mill Dam
  - SWMAC would like additional information about this before making a decision and thus deferred the discussion to their next meeting
- Malin Road culvert - Daniel noted Steve’s request for the SWMAC to consider asking one of the firms shortlisted for the Banbury project for a proposal to rehab/replace the Malin Road culvert
  - SWMAC would like additional information about this before making a decision and thus deferred the discussion to their next meeting
- Banbury / Francis Flood Mitigation Project Proposal Selection
  - 8 proposals were received; prior to this meeting, the Township and CH2M reviewed all 8 proposals and recommended 3 firms be shortlisted (T&M, RK&K, and Meliora)
  - General SWMAC consensus was that the shortlist was acceptable and that the best approach going forward was to let Steve and Daniel lead the interview process
  - Regina asked if the SWMAC could be presented at the interview; in addition to Regina, Paige and Tim also expressed interest in taking part in the interviews, which should occur prior to the May SWMAC meeting
- Discussion of Repair Budget Prioritization
  - Daniel shared a new stormwater project tracking sheet; this sheet will be updated each month and submitted to the SWMAC for review prior to each meeting
    - The tracking sheet includes status, description, planned / actual costs, updates, and other considerations for each project/action
  - Paul expressed again his desire to have Steve prioritize the drainage-related repairs / upgrades known to be needed throughout the Township
    - Regina stated that prioritizing repairs / upgrades should be the SWMAC’s responsibility; Regina noted that categorizing repairs / upgrades as either “critical” or “routine” would be helpful
  - Paul also suggested that repair projects could be grouped by either year or “criticality”

- With respect to culvert replacement projects, Maya asked if consideration could be given toward incorporating stormwater management enhancements as part of these projects, rather than simply replacing the culverts in kind
- For additional stormwater project updates, see 4/14/16 Stormwater Tracking Table

**Next SWMAC meeting:** 5/12/16 (Radnorshire room)

**Action Items**

- **CH2M** to notify firms shortlisted for the Banbury flood mitigation project and work with the Township to set up interviews
- **CH2M or Steve** to contact owners of 31 Highview Drive letting them know that a proposal was being developed to address the erosion issue at their property
- **Steve** to prioritize the list of bridge/culvert repairs documented in Gannett Fleming's Five Culvert Study prior to May 2016 SWMAC meeting