

Radnor Township
Stormwater Management Advisory Committee (SWMAC)
Agenda
7:00pm, Thursday October 15, 2015



1. Call to Order

2. Review / approve meeting minutes September 10, 2015 SWMAC Meeting.
(10 minutes)

3. Public comment.
(10 minutes)

4. Futher discussion of Ithan Creek Watershed Assessment
Recommendations/Solutions
(30 minutes)

5. CH2MHILL to present concept plans for Francis/Banbury/Windsor
(30 minutes)

6. Discussion of ODP Incentive Program
(20 minutes)

7. Old/New Business – Discussion/Vote on Township Wide Watershed Assessment,
Status of Radnor Middle School Connection, update on other various SWM
Projects (culvert analysis/repair, televising/cleaning existing storm sewer, Septa,
etc.)
(20 minutes)

8. Set the date and time for the next meeting and adjourn.

ATTENDEES: SWMAC: Heather Gill, Paige Maz, Charles Boschen, Regina Majercak, Joe Schanne
CH2M: Daniel Wible
Radnor Township: Stephen Norcini

PREPARED BY: CH2M
MEETING DATE: September 10, 2015
SUBJECT: September 2015 meeting

YouTube link: <https://www.youtube.com/watch?v=ebliFQG2q4E>

Review of Previous Meeting Minutes

- July 9, 2015 SWMAC meeting minutes – approved with no comments

Public Comment

- No public comment

Ithan Creek Watershed Assessment Recommendations/Solutions by CH2M

- Daniel gave an update on the Ithan Creek Watershed Assessment, focusing on the output of Task 2, which entailed the following sub-tasks:
 - Establish a framework for identifying potential stormwater solutions for the most severe flooding locations to reduce flooding and achieve multiple other objectives, such as community enhancements, groundwater recharge, and water quality improvements
 - Identify high-level categories (or “programs”) of potential solutions for selected flooding locations throughout the Ithan Creek watershed
 - Develop a watershed map indicating general locations for the various solution categories; develop planning-level costs
- Daniel discussed the types of potential flooding solutions that CH2M identified (volume reducing retrofits, enhancements to existing facilities, and conveyance system improvements) and also the locations where such solutions were conceptually located (Township owned parcels, School District parcels, public right-of-way, state roads, and residential parcels)
- Daniel mentioned that almost 50% of the impervious cover along Route 30 in downtown Wayne is on commercial properties; need to explore opportunities to work with commercial owners and reconsider stormwater fee credit
- Daniel mentioned that CH2M conceptually sized potential flooding solutions to maximize the available space (area and depth) in the types of locations stated above; at Steve’s direction, CH2M tried to conceptually size solutions to either store or convey up to the 25-year, 1-hour storm event (2.4 inches)
- Daniel presented various maps depicting potential flooding solutions and their respective drainage areas; Daniel then presented tables that summarized the drainage area, % runoff volume captured, and planning-level cost (+50%,-30%) for each potential flooding solution, among other statistics
- With respect to the Radnor Middle School stormwater project, Daniel noted that based on the original design analysis (completed in 2004/2005), the project would have resulted in a flood reduction of around 65% for the 2-year, 24-hour storm event (3.55 inches); Daniel also noted that the analysis would likely have to be updated based on the as-built conditions of the system
- Daniel also discussed the assumptions made with respect to residential BMPs (rain gardens and rain barrels), noting that while their potential stormwater capture might be minimal on an individual

basis, they might still play an important part of the program and can help to achieve localized sub-area flood reduction goals

- Various SWMAC members discussed their choices for top three potential stormwater projects; SWMAC generally agreed that Banbury/Francis should be the highest priority for concept development and implementation, but that other flooding areas such as Midland Ave and S. Wayne Ave should also be considered as highest priority
- SWMAC generally agreed that completing the Radnor Middle School project is critical and probably the most cost-effective project in the list; thus, SWMAC asked Steve to request from Gannett Fleming a proposal to design the pipe connection to the Radnor Middle School stormwater system
- Regina was generally in favor of smaller retrofit projects and noted that replacing the Iven Ave culverts will be very complicated from a permitting standpoint
- Heather was interested in pursuing a stormwater project at either Encke Park or the adjacent driving range
- Joe reiterated the importance of coordinating with PennDOT, especially for stormwater projects along Route 30; Steve discussed reaching out to the Delaware Valley Regional Planning Commission (DVRPC) about the potential for getting a Route 30 project on the Transportation Improvement Program (TIP)
- SWMAC asked Daniel to proceed with a concept plan/cost estimate for a potential stormwater solution at Banbury/Francis
- Public comment: Maya van Rossum urged the SWMAC to wait one month for public comment before deciding on which ~~two additional~~ stormwater retrofit projects will be advanced into the concept development phase and then into design RFPs

Final Capital Budget/Planning

- The revised Township Stormwater Budget (dated 9/2/15) was discussed
- SWMAC generally in agreement that the annual cost for storm sewer locating, televising, cleaning, etc should be held constant at \$50k
- Joe stated that obtaining accurate storm sewer data throughout the Township should be a priority; Regina mentioned that detailed storm data will likely not be needed for certain areas (or at least should not be prioritized)
- SWMAC generally agreed that other watershed analyses (Darby, Meadowbrook Run, and Gulph) should be conducted in 2016 rather than spread out over several years
- SWMAC and Steve asked Daniel to update the Budget accordingly by 9/11/15

Miscellaneous

- Heather reminded the public that the Board of Commissioners has not authorized the SWMAC to review and comment on the design of the N. Wayne basin project
- The SWMAC is currently reviewing SFR rebate applications
- Steve stated that the Wayne Train Station stormwater project is currently on hold due to access/entry issues related to infiltration testing

Next SWMAC meeting: 10/8/15 (Note: there was discussion about postponing until 10/13/15)

Action Items

- **CH2M** to provide updated Powerpoint presentation to SWMAC/Township – completed 9/11/15
- **CH2M** to provide updated Stormwater Budget to Township by morning of 9/11/15 – completed 9/11/15
- **CH2M** to commence concept design of stormwater retrofit project at Banbury/Francis
- **Steve** to request a proposal from Gannett Fleming to design the pipe connection to the Radnor Middle School stormwater system

- **Steve** to reach out to the Delaware Valley Regional Planning Commission (DVRPC) about the potential for getting a Route 30 project on the Transportation Improvement Program (TIP)