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## STORMWATER PROGRAM REPORT

### Bethlehem Township Municipal Authority

December 18, 2024 Authority Meeting

1. **PROGRAM MANAGEMENT, COMMUNICATIONS AND FUNDING** – Bruce, Katie
  - a. Continued review of concepts for Nancy Run Floodplain Restoration.
  - b. Submitted LSA Statewide grant application for Sculac Stream Restoration project.
  - c. Submitted 2024 Stormwater Program Summary per lease agreement
  - d. Prepared CCTV map and spreadsheet for piping along Esquire south of Danberry.
2. **PRP BASIN RETROFITS – PHASE 2** design/permit complete; hold for next MS4 permit cycle
3. **WALNUT STREET DRAINAGE IMPROVEMENTS** – Josh/Isaac – bid
  - a. Notice to proceed issued during Nov 12 preconstruction meeting.
  - b. Bethlehem City has completed work on water line relocation. UGI will be relocating gas lines in the coming weeks. Stormwater work to start in early 2025.
4. **EASTON/SANTEE FLOODING MITIGATION PROJECT PHASE 1** – Ryan; funding
  - a. Apartments at Lehigh basin – BTMA proceeding with obtaining permanent stormwater easement
  - b. Continued City coordination for easements and basin access and need for waterline relocation.
  - c. Waiting on FEMA grant agreement to come through. Will have to reapply to PENNVEST.
5. **EASTON/SANTEE FLOODING MITIGATION PROJECT PHASE 2** – Ryan Kern
  - a. Field survey and subsurface utility work completed.
6. **MS4 PROGRAM** – Tyler
  - a. Annual report submitted to DEP. PRP Final Report was included which details implementing Easton Ave Phase 1 basin retrofits and the anticipated schedule for remaining PRP projects.
  - b. Working with staff to address existing BMP concerns as requested by PADEP.
7. **SCULAC CHANNEL** – Matt
  - a. Plan to televise the old upstream CMP to assess condition.
  - b. Had initial meeting with DEP and Conservation District. Submitted permit applications.

**8. BTMA RETAINER** – Juni, Jonathan

- a. Stormwater Opportunities with Land Development – ongoing
  - I. Ongoing review of land development plans for stormwater opportunities
  - II. **Stormwater Committee recommended adding to the Capital Improvement Plan to replace the Municipal Park Culvert. This is to be presented to the Board of Commissioners in January.**
- b. Reported Stormwater Concerns - Jonathan
  - I. Open Reported Stormwater Concerns: 4421 Anthony Dr (waiting on televising on pipe); **1556 Sculac Drive (easement needs to be acquired on 3750 Liberty), 2535 7<sup>th</sup> St**
- c. Chetwin Terrace Neighborhood – Evaluating stormwater needs and partnering with Palmer Township. Relates to past flood study. Palmer preparing draft intergovernmental agreement.
- d. **Reviewed Danberry Drive initial flooding mitigation solutions and costs with Committee. Implementing replacement of existing infrastructure and if practical, lining of downstream pipes.**
- e. County Act 167 process ongoing.

**9. STORMWATER FEE & CREDITS** – Steve / Tyler

- a. No Credit Applications are currently being evaluated.

**10. GIS/SURVEY** – Mark

- a. Supporting BTMA on as-needed sanitary surveying and drawing/easement updates.
- b. Continuing to provide as needed GIS support for stormwater field work and appeals.
- c. **Compiling Stormwater Fee billing data.**

**11. CONDITION ASSESSMENT** – Mike

- a. Initiated Phase 2 of field work to assess condition of inlets and pipes at inlets.
- b. Approach to infrastructure repair/replacement will be developed after Phase 2 field work.

**TOWNSHIP BOARD ACTION ITEMS**

- a. In January, consider adding Municipal Park Culvert Replacement to the Stormwater Capital Improvement Plan

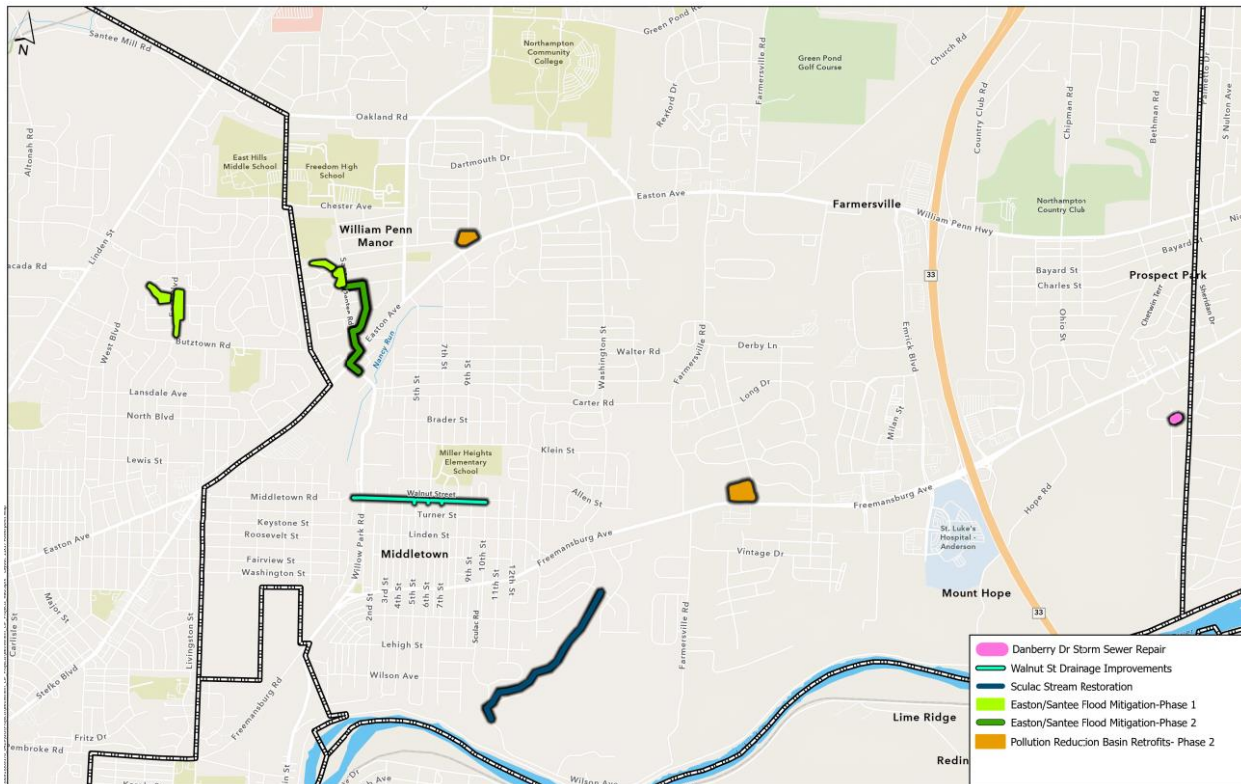
**AUTHORITY BOARD ACTION ITEMS**

- a. None.

**FIGURE 1: ANTICIPATED STORMWATER PROJECT TIMELINE**

PROJECT	2024				2025				2026				2027				2028			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>PRP Phase 1 Basin Retrofits (PV)</b>																				
<b>Bethman and Fairway</b>																				
<b>Farmersville culvert</b>																				
<b>Walnut St Drainage Impr. (PV)</b>																				
<b>Easton Ave Phase 1 (PV)</b>																				
<b>Sculac Stream Restoration (PV)</b>																				
<b>Easton Ave Phase 2 (PV)</b>																				
<b>PRP Basins Phase 2 (PV)</b>																				

**FIGURE 2: STORMWATER CAPITAL IMPROVEMENT PLAN MAP**



**FIGURE 3 – WALNUT STREET DRAINAGE IMPROVEMENTS PROJECT**



**FIGURE 4 – EASTON AVENUE PHASE 1 FLOOD MITIGATION BASINS**

