

Final Check-In

- Prioritization of Projects
- Drainage Patterns and Investigations
- Proposed Short-Term & Mid-Term Improvements
- Proposed Down-Stream Improvements Concepts
- Next Steps



Stormwater Solutions & Stakeholder Engagement Prioritization of Projects Nine Study Areas with a Large Variety of Impacts

Flooding, regardless of volume, impacts property owners personally





Stormwater Solutions & Stakeholder Engagement

Prioritization of Projects

- Staff is prioritizing projects that:
 - Alleviate flooding that impacts structures (homes, garages, crawl spaces, basements)
 - Alleviate significant flooding from roadways that impact properties
 - Provide mechanism for relief of significant flooding on properties (impassible – several feet deep)
 - Some projects must be built first to allow for other projects
 - Regulatory approvals take time (US Army Corps of Engineers, IDNR, EPA, etc.)









Types of Projects

- Public Improvements on Public Property (include roadway R.O.W. or easements)
- Connections from private property for private property flooding are the responsibility of the owner
- Short-term, mid-term and long-term projects





Stormwater Solutions & Stakeholder Engagement Drainage Patterns & Investigations: What Drains Where?



Important Elevations:
Outlet from Lake
890.80

2017 High Lake Level Approx. 892.5

100 Yr. Zone AE Floodplain 893

Cove Pond Outlet Pipe 887.6

Cover Pond Overflow (box culverts) = 891.3

Trapped Pocket behind Green Oaks = 892.7



Stormwater Solutions & Stakeholder Engagement

Proposed Short-Term Improvements

- 1. Re-Establish Woodland Channel Connection (Requires US ACE Permit 2018-2019 construction)
- 2. Grading north end of concrete box culverts
 (Requires US ACE Permit 2018-2019 construction)
- 3. Cove Pond storm sewer outlet improvements (facilitate maintenance), move gauge (US ACE Permit 2018-2019 construction)











Proposed Down-Stream Concepts (Multi-Year Effort)

- 1. Replace and upgrade (100 yr. design) culverts under Broadway, Country Club Rd. Barlina Ave., McHenry Ave., Dartmoor Dr.
- 2. "Open up" Crystal Creek south of the Country Club and replace and upgrade culverts under St. Andrews.
- 3. Lake Level Study



Proposed Down-Stream Concepts (Multi-Year Effort) Lake/Creek Study then seek IEPA Section 319 grant for "opening" of creek Concepts C

Next Steps

- Prioritize Projects (impacts and implementation schedule)
- Distribute to City Council
- City budget approval (Fiscal Year starts 5/1/2018)
- Enhanced permitting requirements (Spring 2018)













Other Efforts

- Enhancements to permit process (Spring 2018)
- Review of historical data & aerials

