



City Council Meeting

September 20, 2018

DeCola Ponds B and C Improvement Project

- *Background*
- *Project description*
- *Motion to approve agreements*

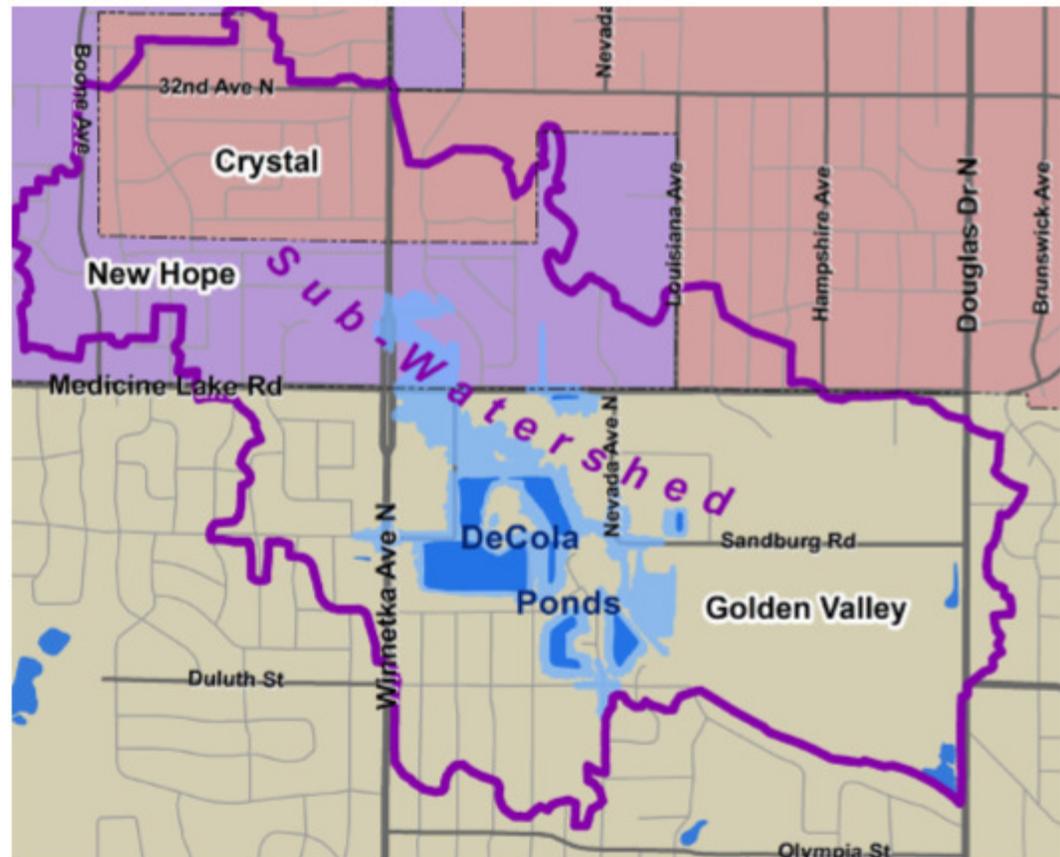


*Flooding in 2010
~3.5 inches in 2 hrs*

DeCola Ponds B and C Improvement Project

Background

- Developed in 1960s
- Large watershed
3 cities, 1 sq mile
- Chronic flooding since 1970s
- Several flood events caused damage
 - 1978, 1987, 2002, 2006, 2010
 - Additional flooding in 2013, 2015, 2016



DeCola Ponds B and C Improvement Project

Flooding Impacts

- Medicine Lake Rd flood depths up to 5 feet
- Public safety - emergency response, travel, access to properties
- Public health – drowning, electrocution, infection
- 39 properties - flood depths up to 6 feet
- Damage to homes, businesses, infrastructure



Long-Term Flood Mitigation Plan Medicine Lake Rd-DeCola Ponds Area

Study and Plan

- 3 cities studied flooding issue and identified potential solutions
- Engaged with neighborhood
- In 2016, 3 cities discussed long-term flood mitigation plan
- Agreed to construct projects as soon as funding becomes available
- Work with partners to secure funding

Medicine Lake Road and Winnetka Avenue Area

Long-Term Flood Mitigation Plan

Prepared for
Cities of Golden Valley, New Hope, & Crystal

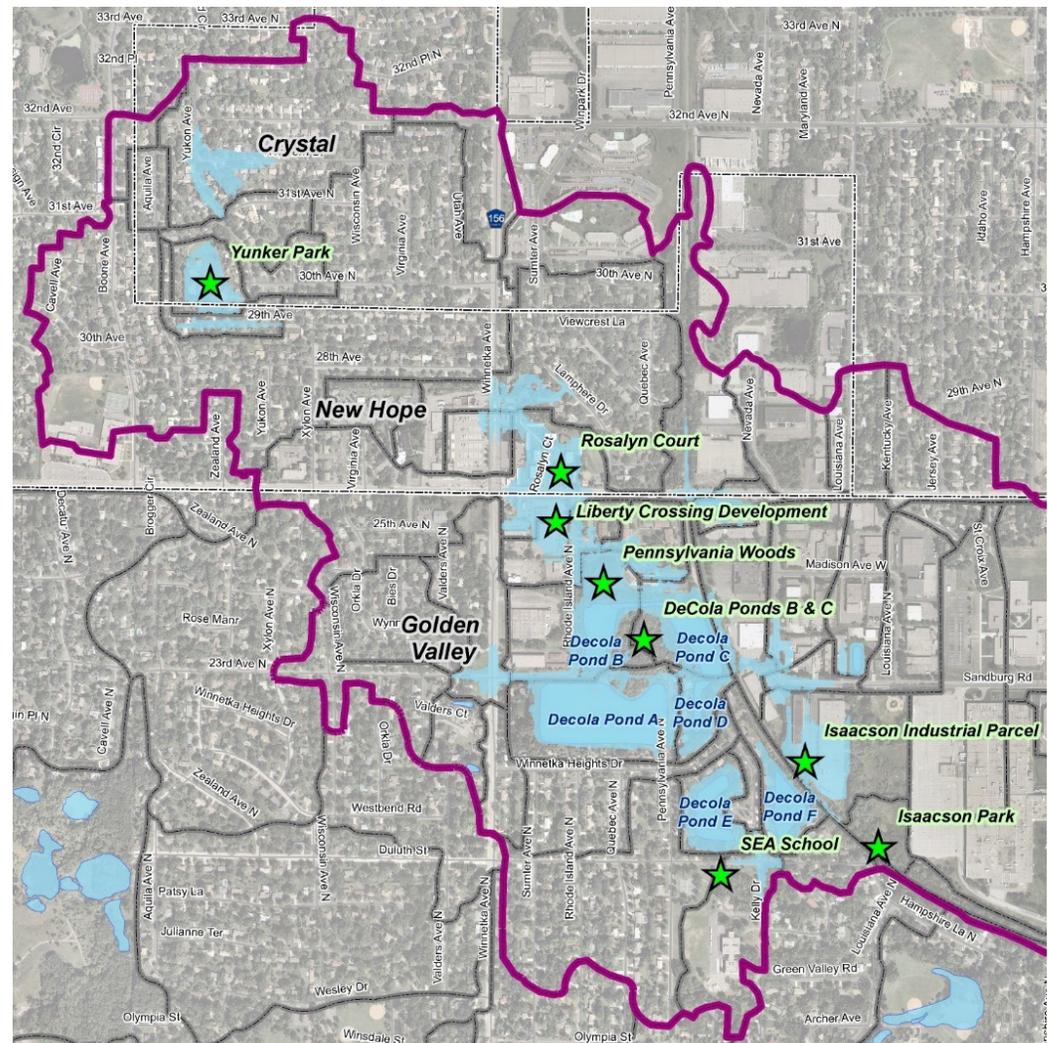
Final Draft
May 31, 2016



Long-Term Flood Mitigation Plan Medicine Lake Rd-DeCola Ponds Area

Long-Term Plan

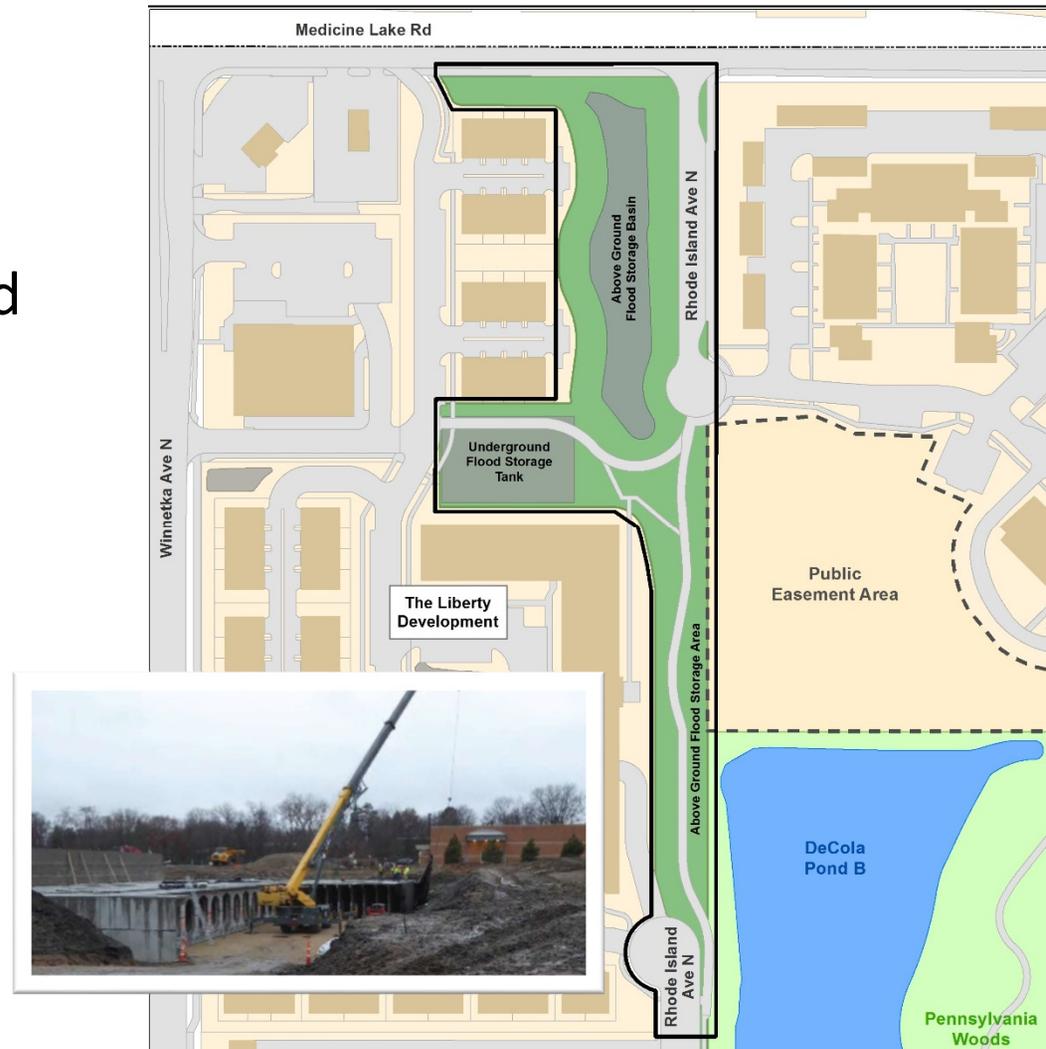
- Construct several capital projects →
 - Create flood storage
 - Lower flood levels
- Improve public health and safety
- Reduce risk & damage
- Keep neighborhoods and communities intact
- Preserve economic value



Long-Term Flood Mitigation Plan Medicine Lake Rd-DeCola Ponds Area

Progress

- 1st of several projects completed (Liberty Flood Mitigation Project)
 - Created flood storage
 - Lowered flood levels on Medicine Lake Rd and around Ponds A, B, C, D
 - Improved water quality
 - Developed open space and trails
 - Added native vegetation and pollinator habitat



Long-Term Flood Mitigation Plan

Medicine Lake Rd-DeCola Ponds Area

Progress

Funding being requested and secured for additional projects

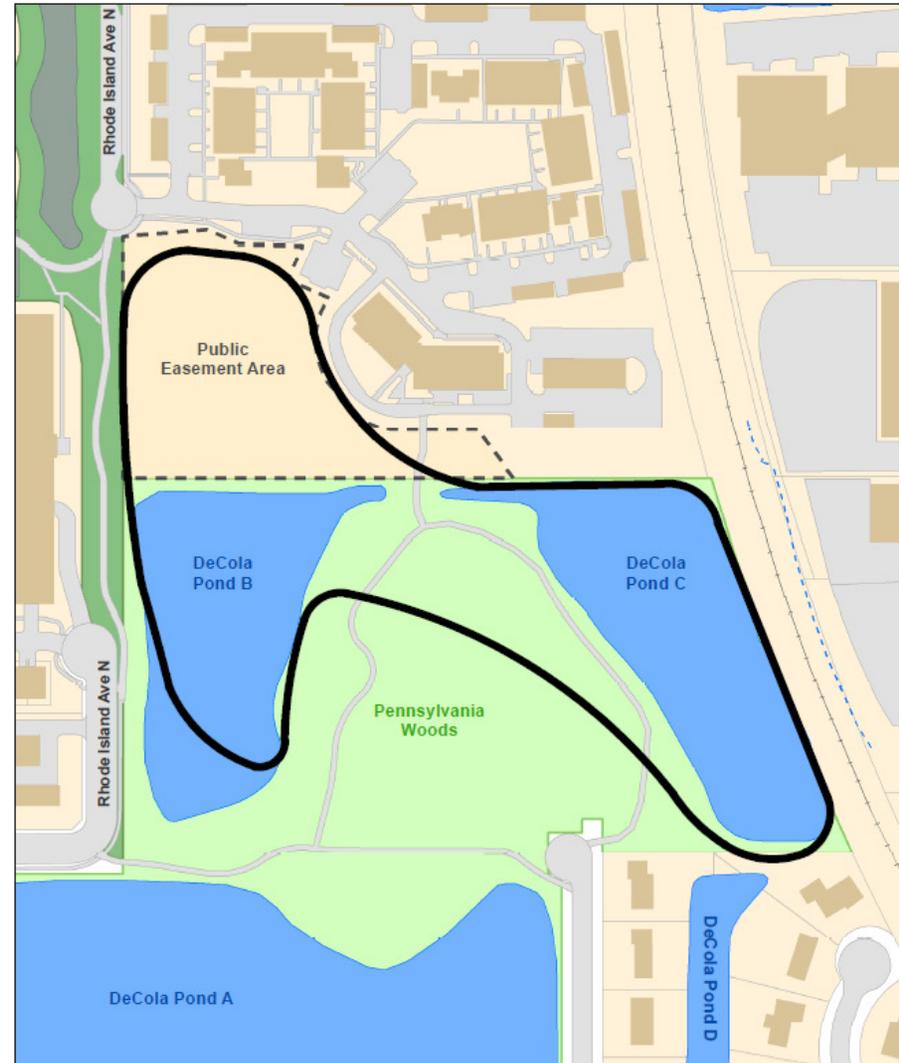
- Watershed CIP includes \$2.9 million towards the next two capital projects
 - DeCola Ponds B and C Improvement Project
 - DeCola Pond F Flood Diversion and Storage Project
- Applied for DNR Flood Damage Reduction Grant for all capital projects in plan
 - 2018 Bonding Bill funds received for DeCola Ponds B and C Improvement Project
 - 2020 Request funds for DeCola Pond F project



DeCola Ponds B and C Improvement Project

Progress

- 2nd capital project underway
- Ties into Liberty project
- Feasibility Study 2017-2018 approved by BCWMC
- Bonding Bill - DNR grant funds awarded June 2018
- BCWMC ordered project August 2018



DeCola Ponds B and C Improvement Project

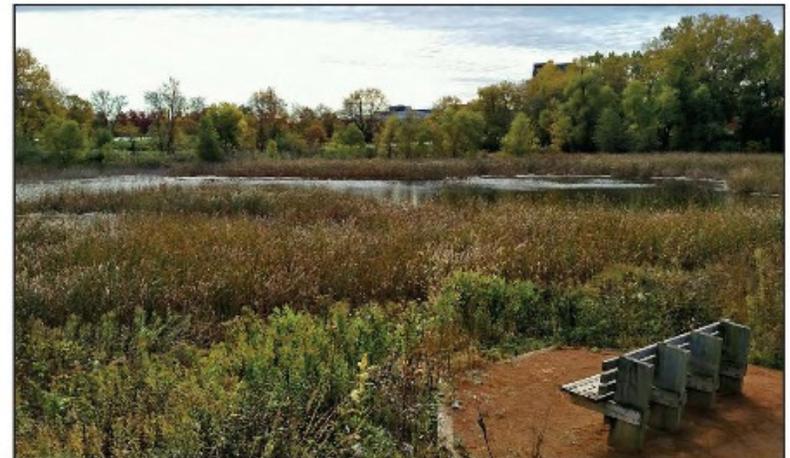
In combination, the Liberty and DeCola B and C projects will:

- Create 25 to 30 acre-feet of flood storage
- Lower flood levels on Medicine Lk Rd by 3 feet (down to 1.8 feet)
- Lower flood levels on Ponds A, B, C, D by 0.8 feet
- Reduce flood risk - 6 buildings (including 48 condo units) and garages will be out of the floodplain
- Improve public health, safety, and access to properties
- Reduce flood damage to buildings, infrastructure
- Create public open space, trails, habitat

DeCola Ponds B and C Improvement Project

Funding

▪ DNR	\$2,300,000
▪ BCWMC	\$1,600,000
▪ <u>County and City</u>	<u>\$ 700,000</u>
Total	\$4,600,000



DeCola Ponds B and C Improvement Project

Project Schedule

- Final Design Fall 2018-Spring 2019
- Neighborhood Engagement Fall 2018-Spring 2019
- Bid and Award Summer 2019
- Construction Fall 2019-Summer 2020



DeCola Ponds B and C Improvement Project

Council Action

- Motion to approve agreements
 - DNR
 - BCWMC
 - Barr Engineering





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