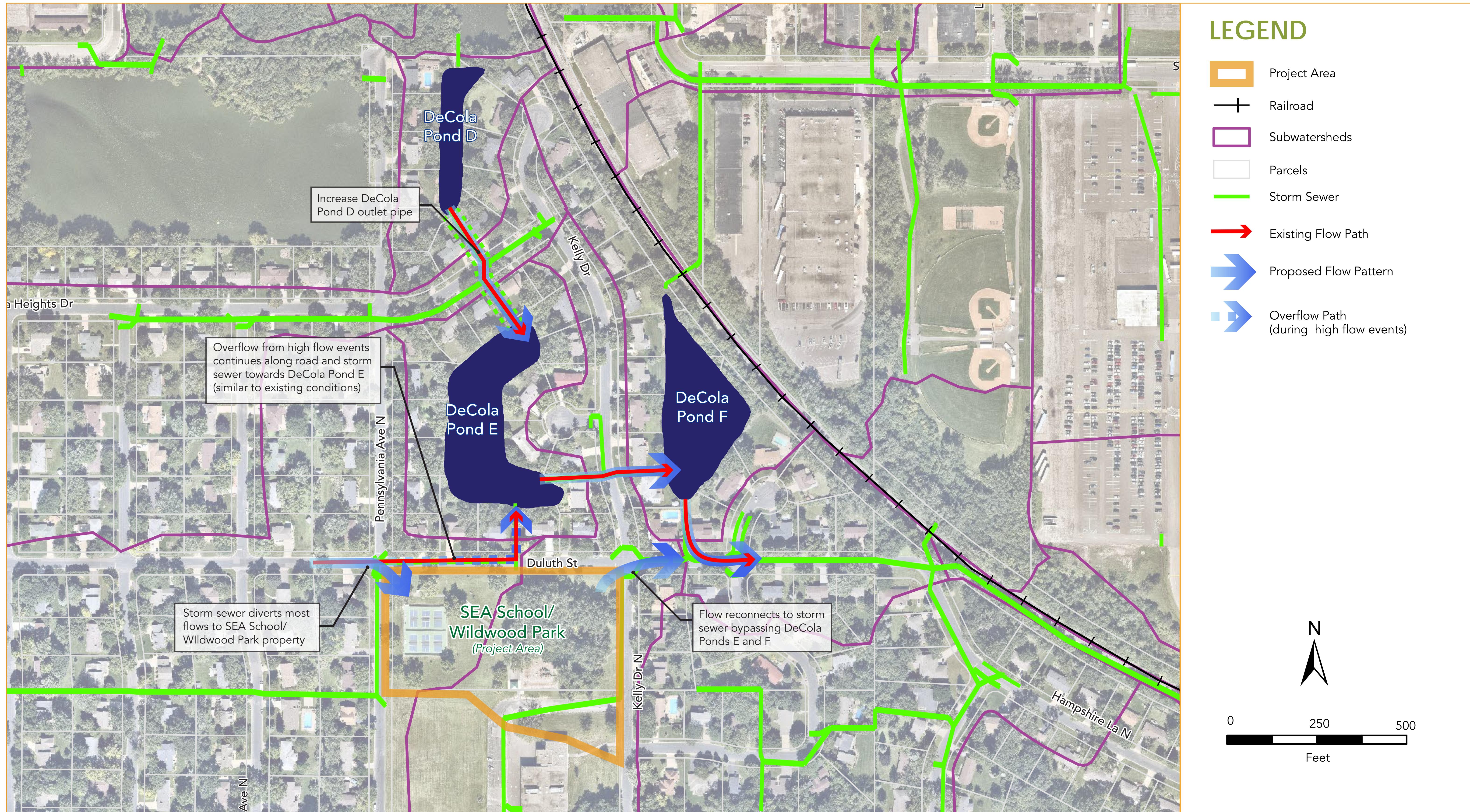
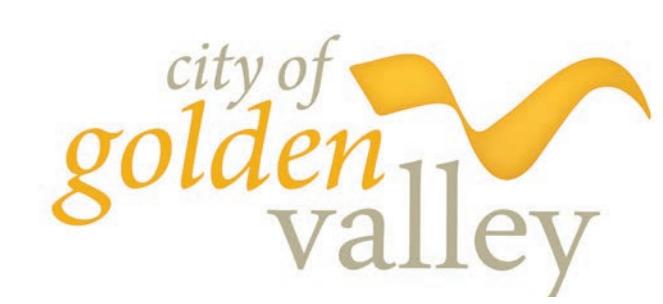


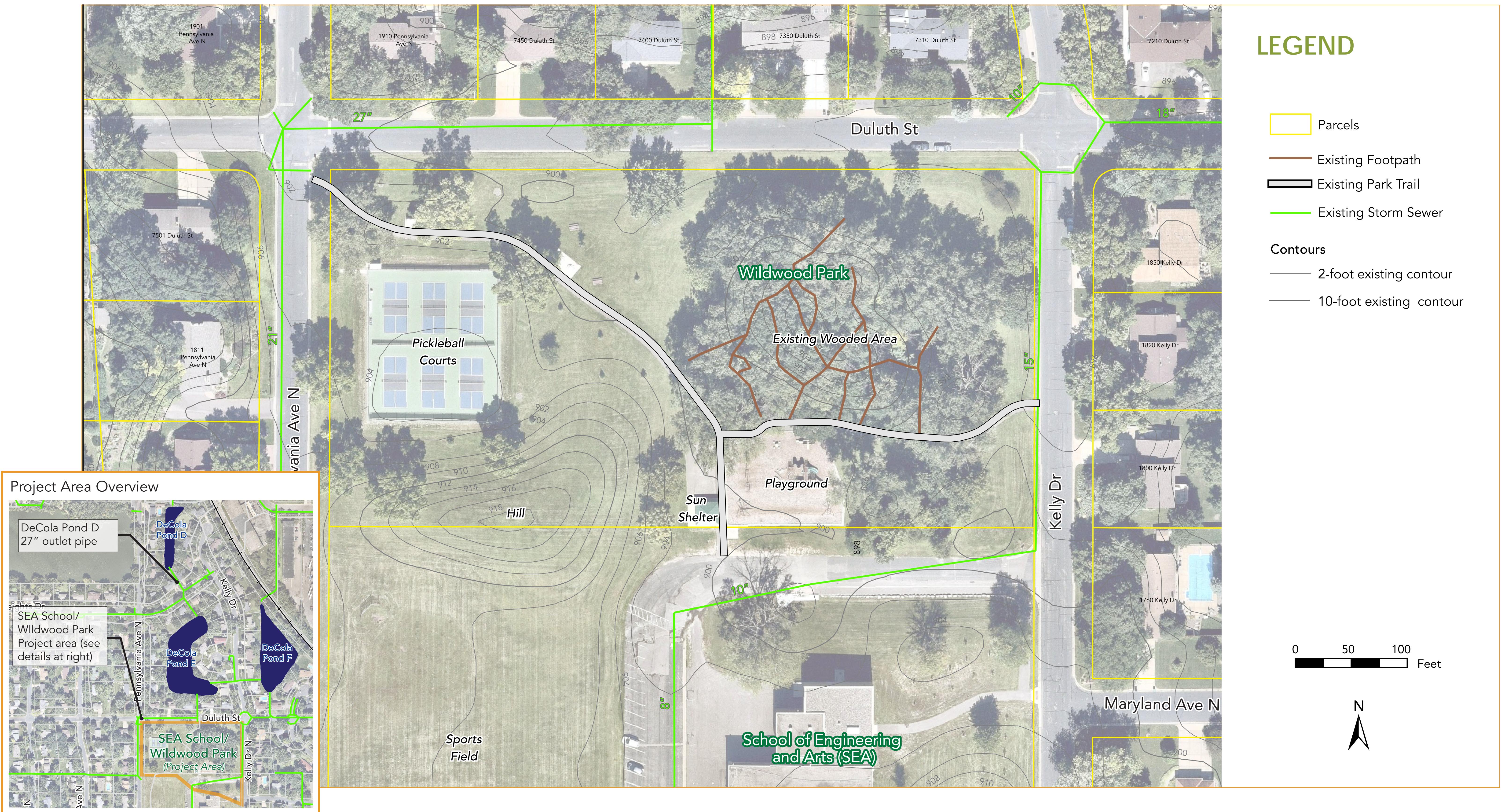
Proposed Flow Patterns



DeCola Ponds - SEA School-Wildwood Park Flood Storage Project



Existing Conditions



DeCola Ponds - SEA School-Wildwood Park Flood Storage Project



Concept 1: Underground Storage with Stream

Estimated Cost (-20%/+30%) = \$4.1 Million

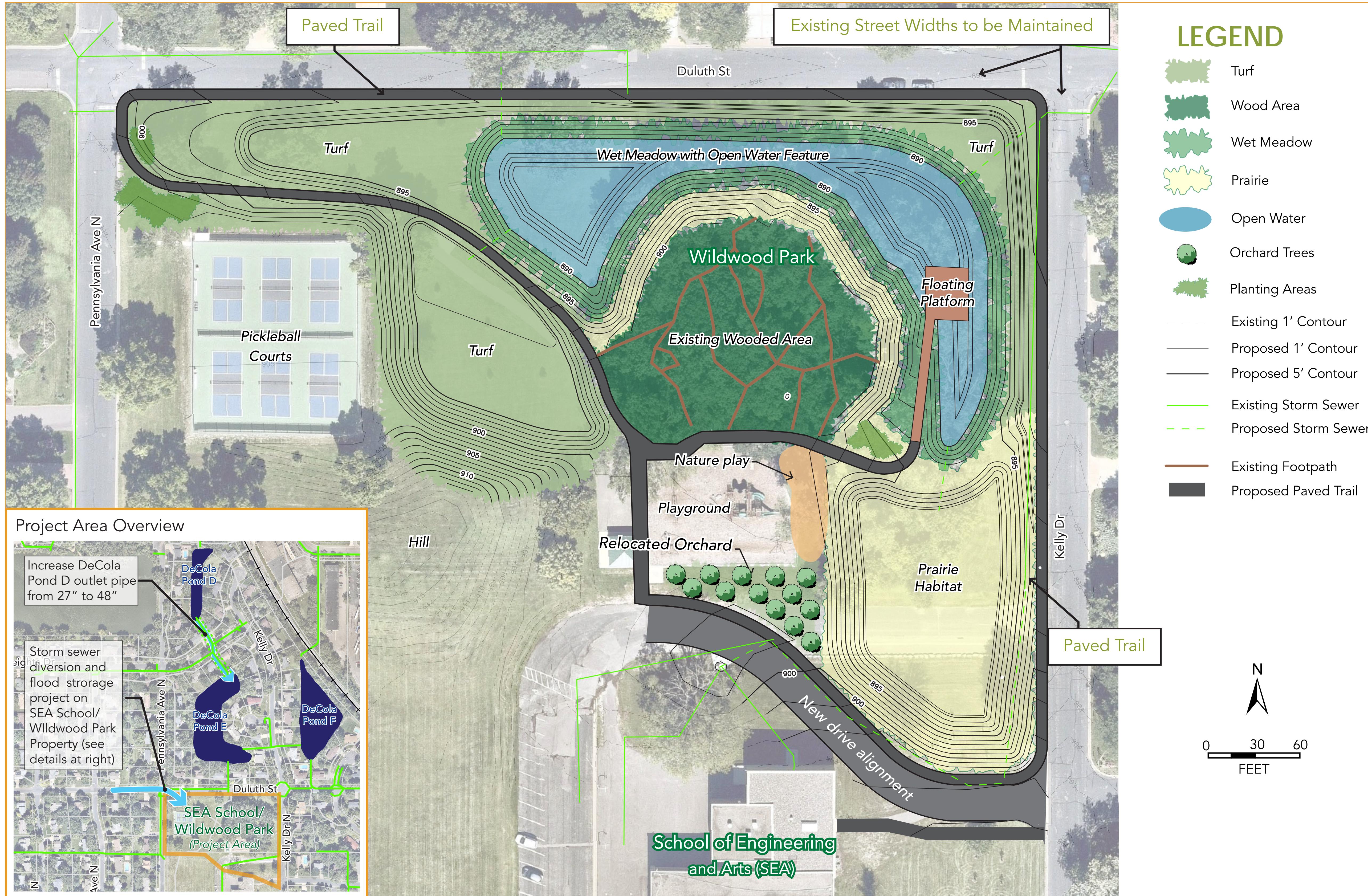


DeCola Ponds - SEA School-Wildwood Park Flood Storage Project

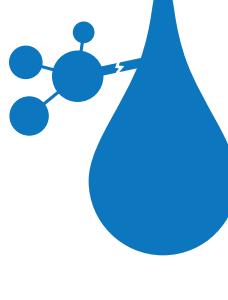
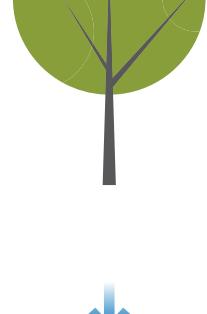


Concept 2: Open Water

Estimated Cost (-20%/+30%) = \$2.9 Million



Concept Summary

	Additional Flood Storage Created: 8.6 acre-feet									
	Improved Water Quality: Additional 1.8 lbs/yr phosphorus removed									
	Restored Wetland and Prairie habitat: 1.6 acres total									
	Restored Turf Area: 1.3 acres total									
	Tree Removal: 54 trees total									
	Reduction of Flood Level on Ponds:									
<table> <thead> <tr> <th><u>DeCola Pond</u></th> <th><u>10-yr</u></th> <th><u>100-yr</u></th> </tr> </thead> <tbody> <tr> <td>D</td> <td>- 0.6'</td> <td>- 2.8'</td> </tr> <tr> <td>E,F</td> <td>- 0.8'</td> <td>- 0.1'</td> </tr> </tbody> </table>		<u>DeCola Pond</u>	<u>10-yr</u>	<u>100-yr</u>	D	- 0.6'	- 2.8'	E,F	- 0.8'	- 0.1'
<u>DeCola Pond</u>	<u>10-yr</u>	<u>100-yr</u>								
D	- 0.6'	- 2.8'								
E,F	- 0.8'	- 0.1'								
	At-Risk Flooded Structure (existing/proposed):									
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D	0/0	10/0								
E,F	9/6	19/19								

DeCola Ponds - SEA School-Wildwood Park Flood Storage Project



Concept 3: Wet Meadow

Estimated Cost (-20%/+30%) = \$3.1 Million



Concept Summary

Additional Flood Storage
Created: 8.5 acre-feet

Improved Water Quality:
Additional 4.1 lbs/yr
phosphorus removed

Restored Wetland and
Prairie habitat:
2.3 acres total

Restored Turf Area:
0.7 acres total

Tree Removal:
54 trees total

Reduction of Flood Level
on Ponds:

	10-yr	100-yr
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D	- 0.6'	- 2.8'
E,F	- 0.8'	- 0.1'

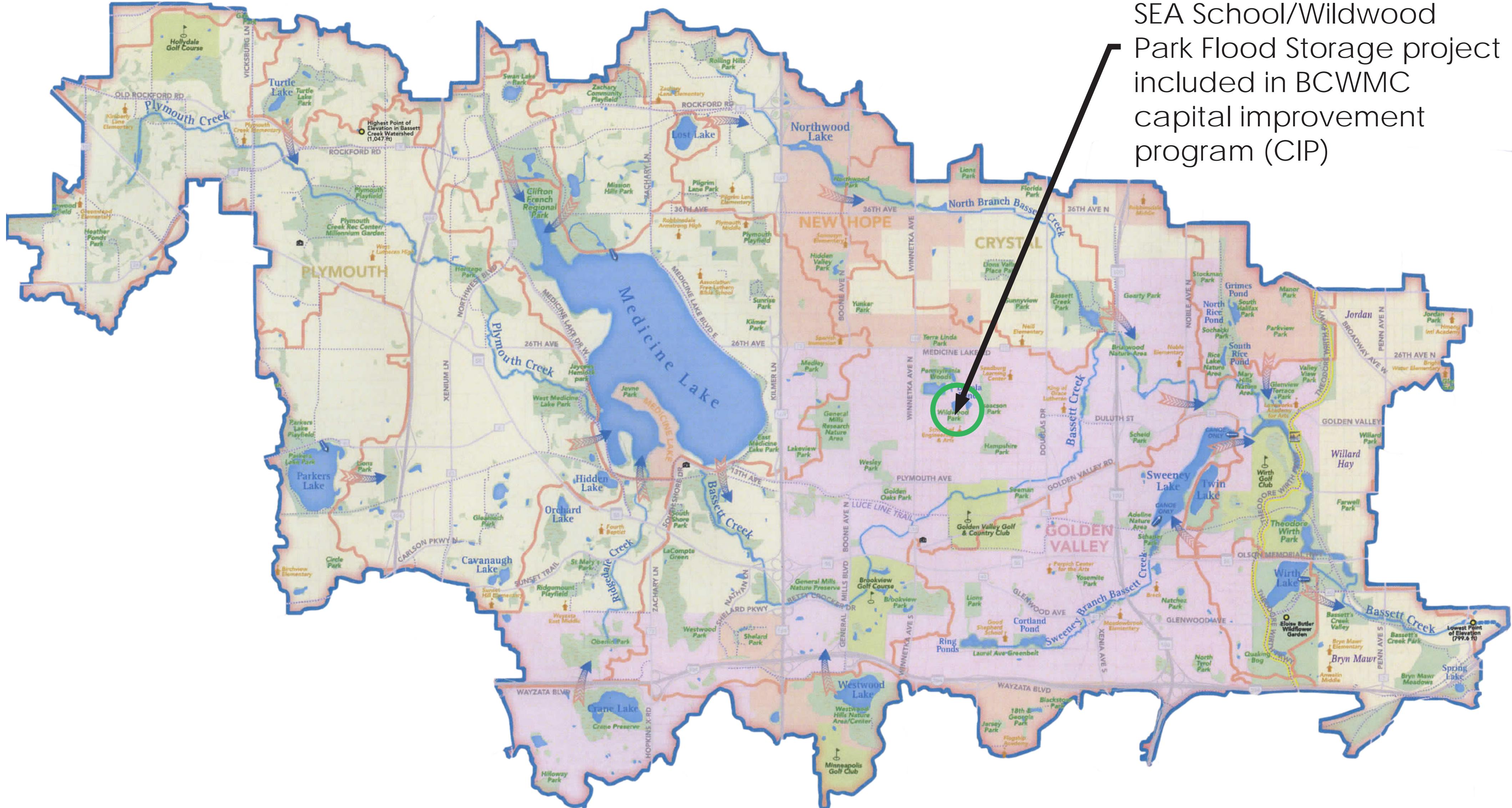
At-Risk Flooded Structures
(existing/proposed):

	10-yr	100-yr
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D	0/0	10/0
E,F	9/6	19/19

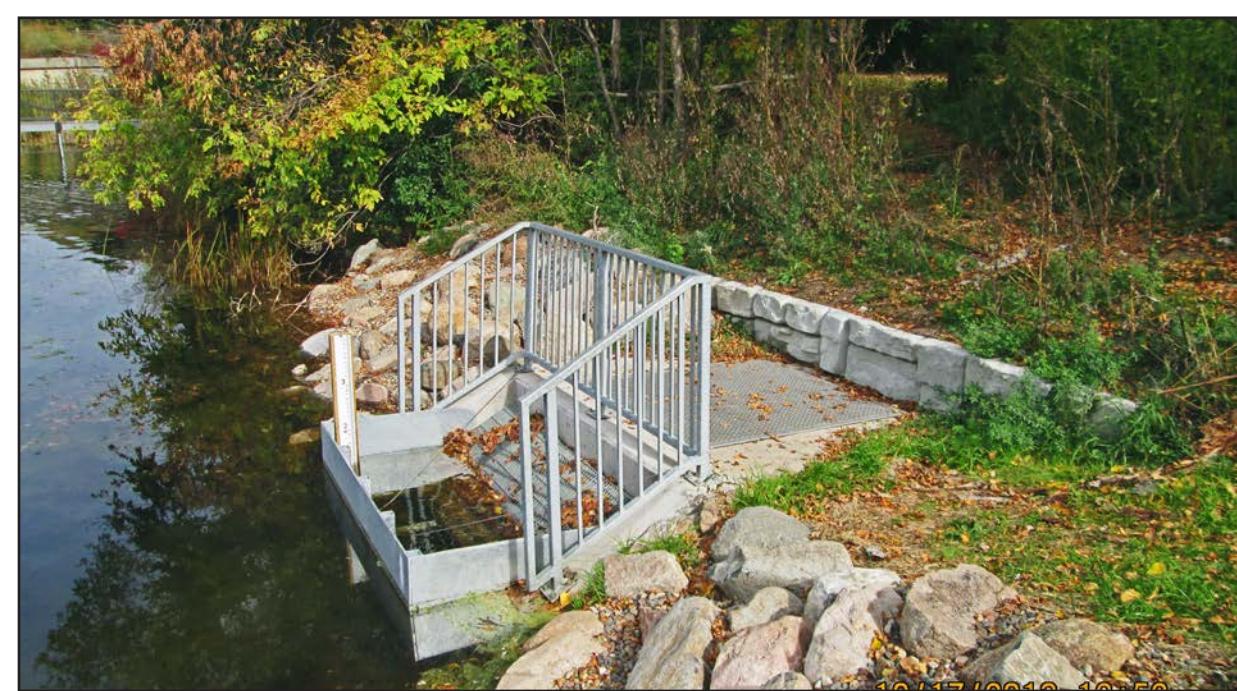
About the Bassett Creek Watershed Management Commission (BCWMC)

The vision: stewardship of water resources to protect and enhance our communities

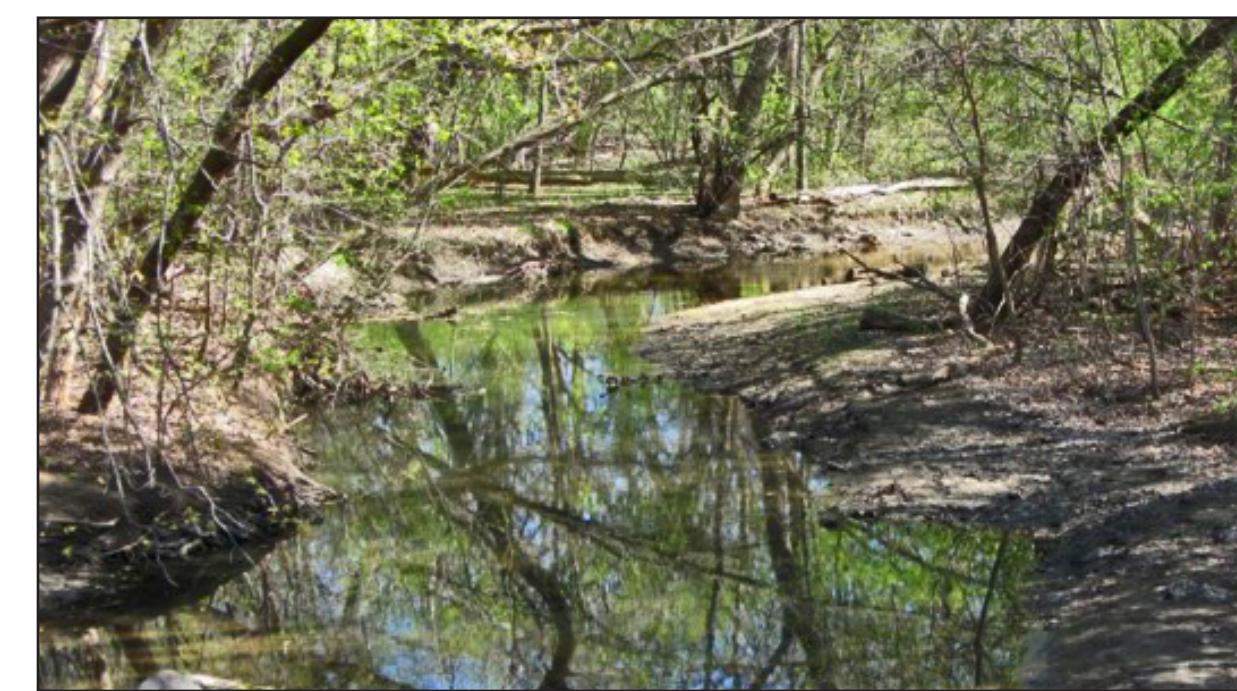


SEA School/Wildwood Park Flood Storage project included in BCWMC capital improvement program (CIP)

EXAMPLE BCWMC CIP PROJECTS

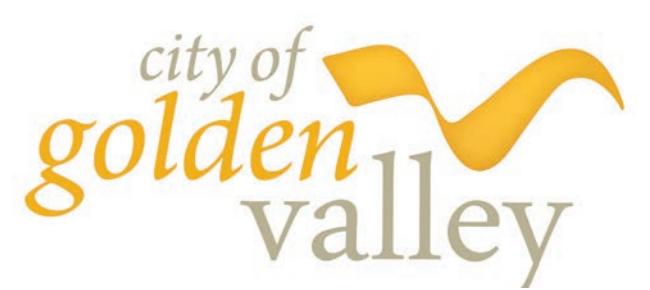


Wirth Lake outlet



Bassett Creek main stem restoration (before and after)

DeCola Ponds - SEA School-Wildwood Park Flood Storage Project



About the BCWMC

- **Regional government organization** formed in 1969 to focus on flood control along Bassett Creek
- **Operates under 1982 Metropolitan Surface Water Management Act**
- **Focused on providing flood management and improving and protecting the water quality** of Bassett Creek and lakes/streams
- **Nine member cities:** Minneapolis, Golden Valley, Plymouth, Crystal, New Hope, Robbinsdale, St. Louis Park, Minnetonka, Medicine Lake
- **Area:** approximately 40 square miles

Commission funding

- Contributions from nine member cities (approximately \$550,000 per year)
- Hennepin County tax levy for major projects (approximately \$1.5 million per year)
- Grant funds and permit fees (varies)

Commission activities

- Implements capital improvement projects that reduce flooding and improve lakes, streams, and wetlands throughout the watershed
- Monitors water quality, performs studies, maps resources
- Provides water resource education
- Provides watershed-wide coordination of activities and watershed "point of contact" for all stakeholders