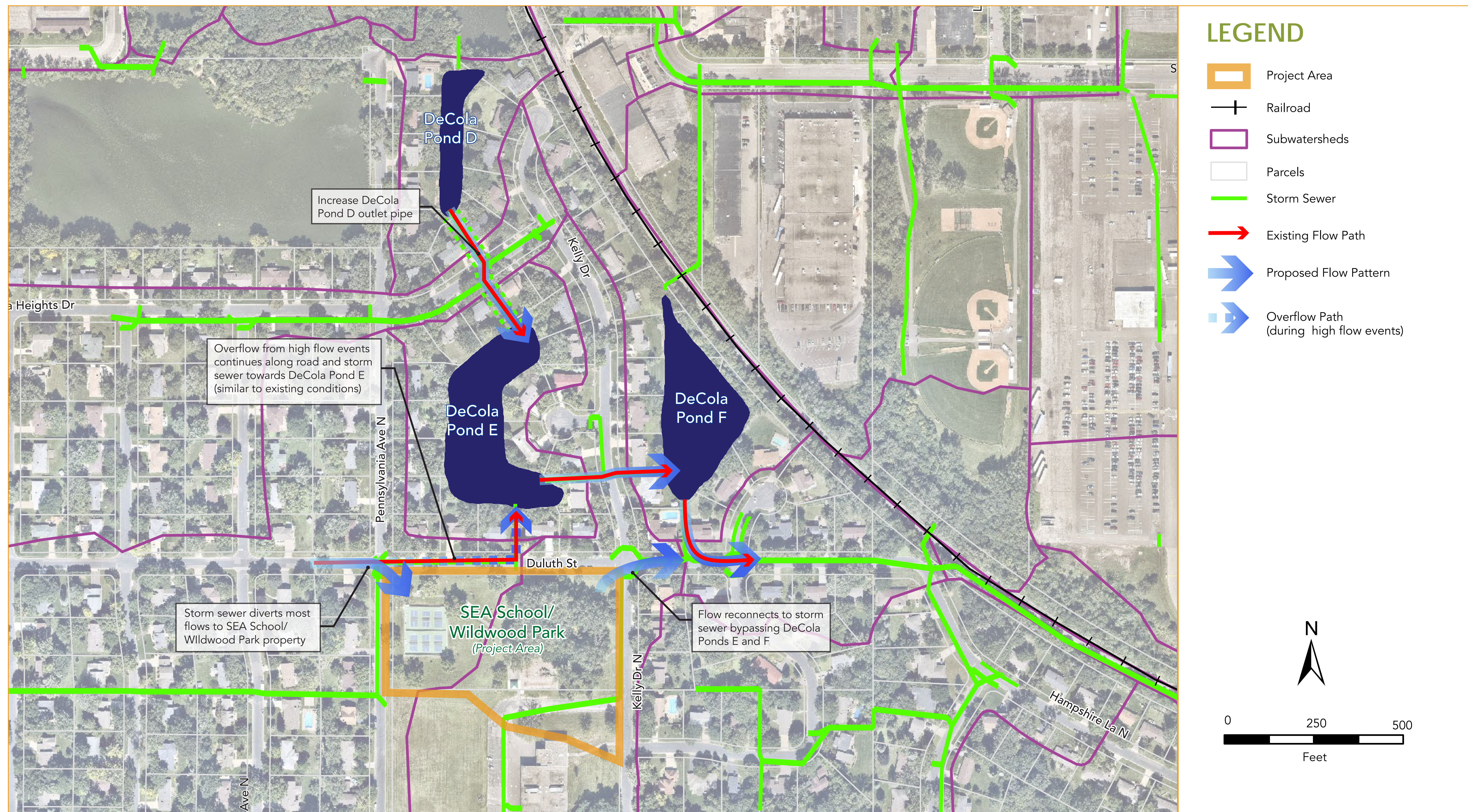
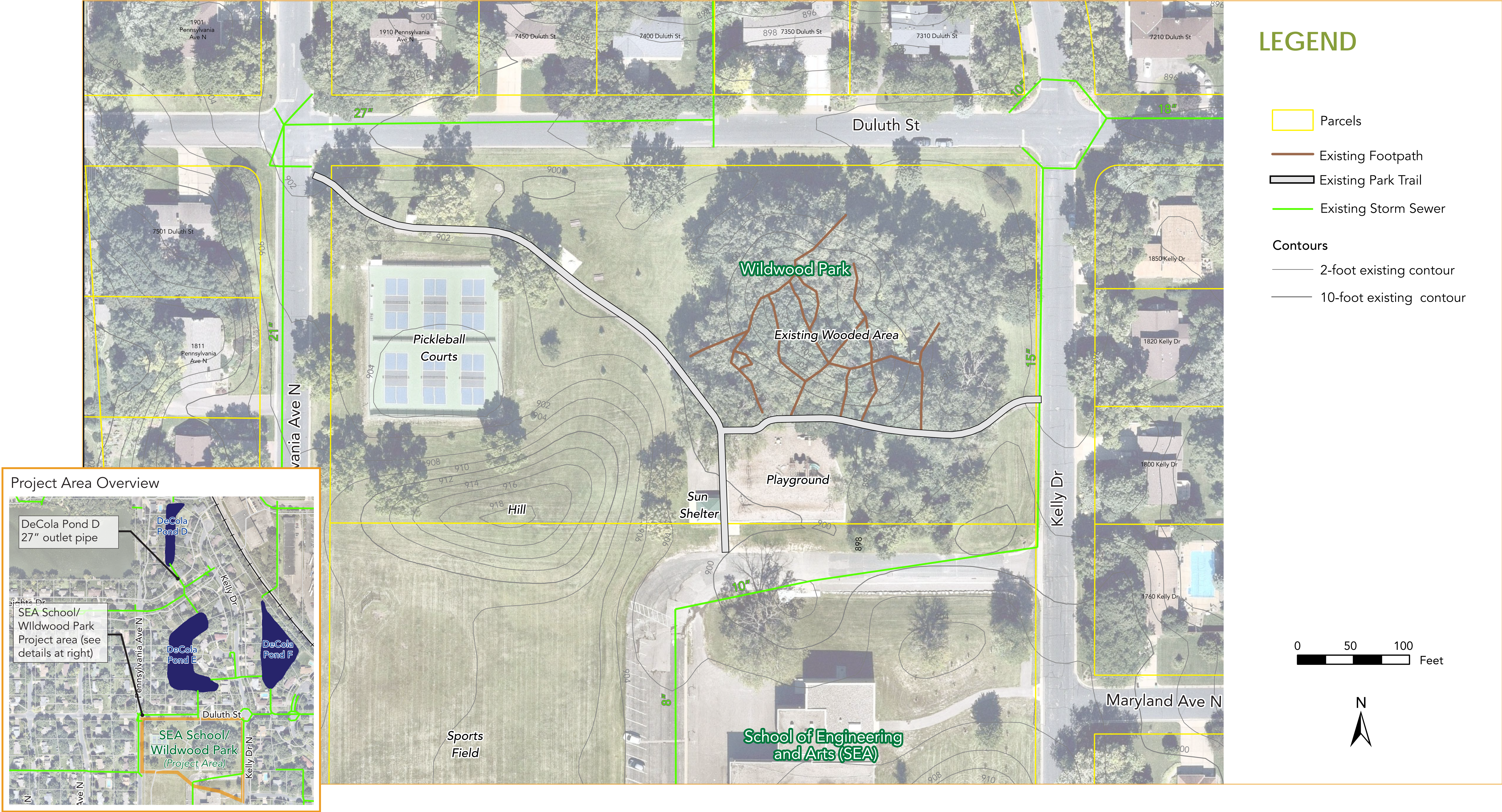


Proposed Flow Patterns



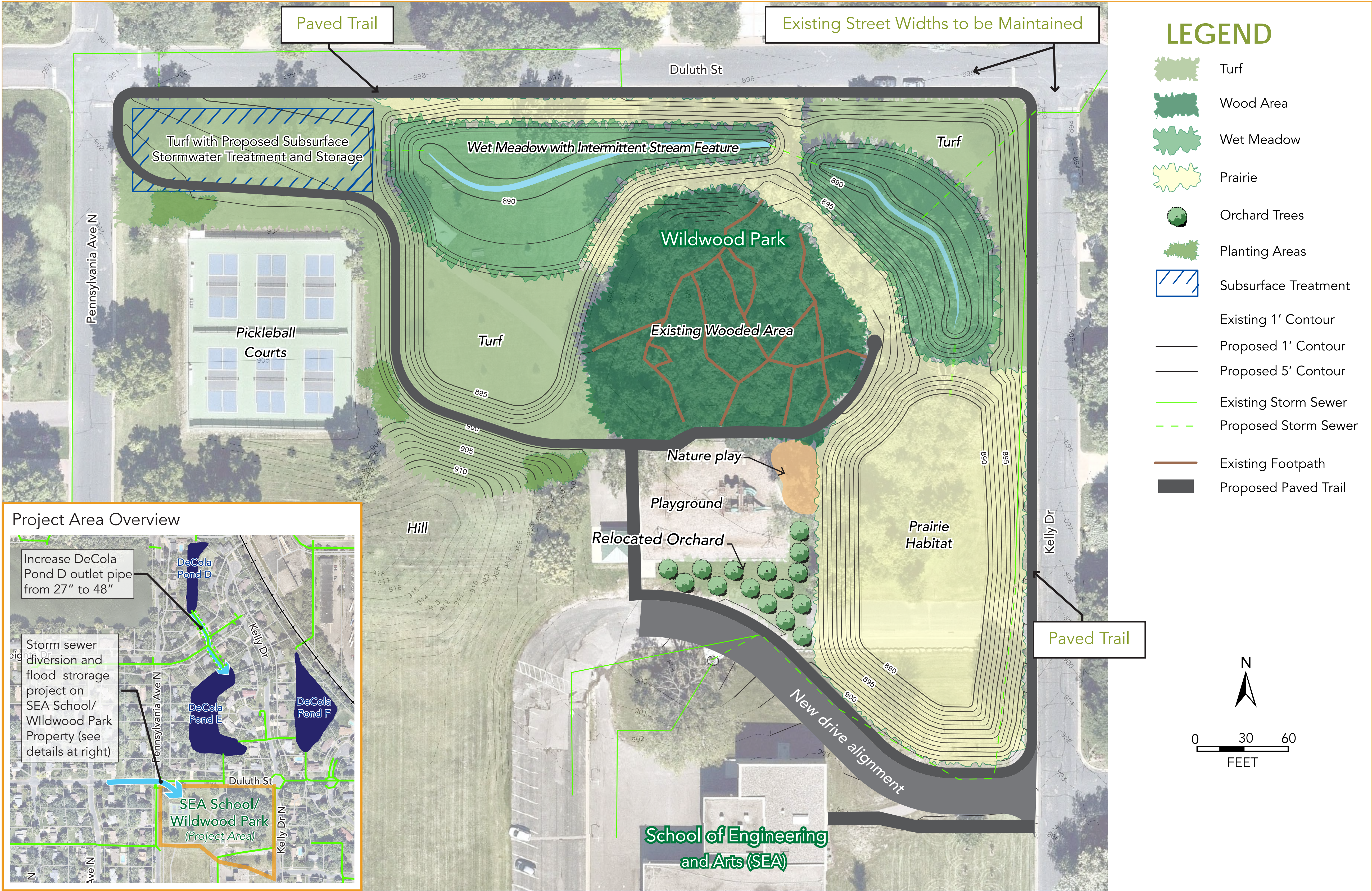
DeCola Ponds - SEA School-Wildwood Park Flood Storage Project

Existing Conditions



Concept 1: Underground Storage with Stream

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



Concept Summary

Additional Flood Storage Created: 9.1 acre-feet

Improved Water Quality: Additional 1.6 lbs/yr phosphorus removed

Restored Wetland and Prairie habitat: 1.7 acres total

Restored Turf Area: 1.2 acres total

Tree Removal: 45 trees total

Reduction of Flood Level on Ponds:

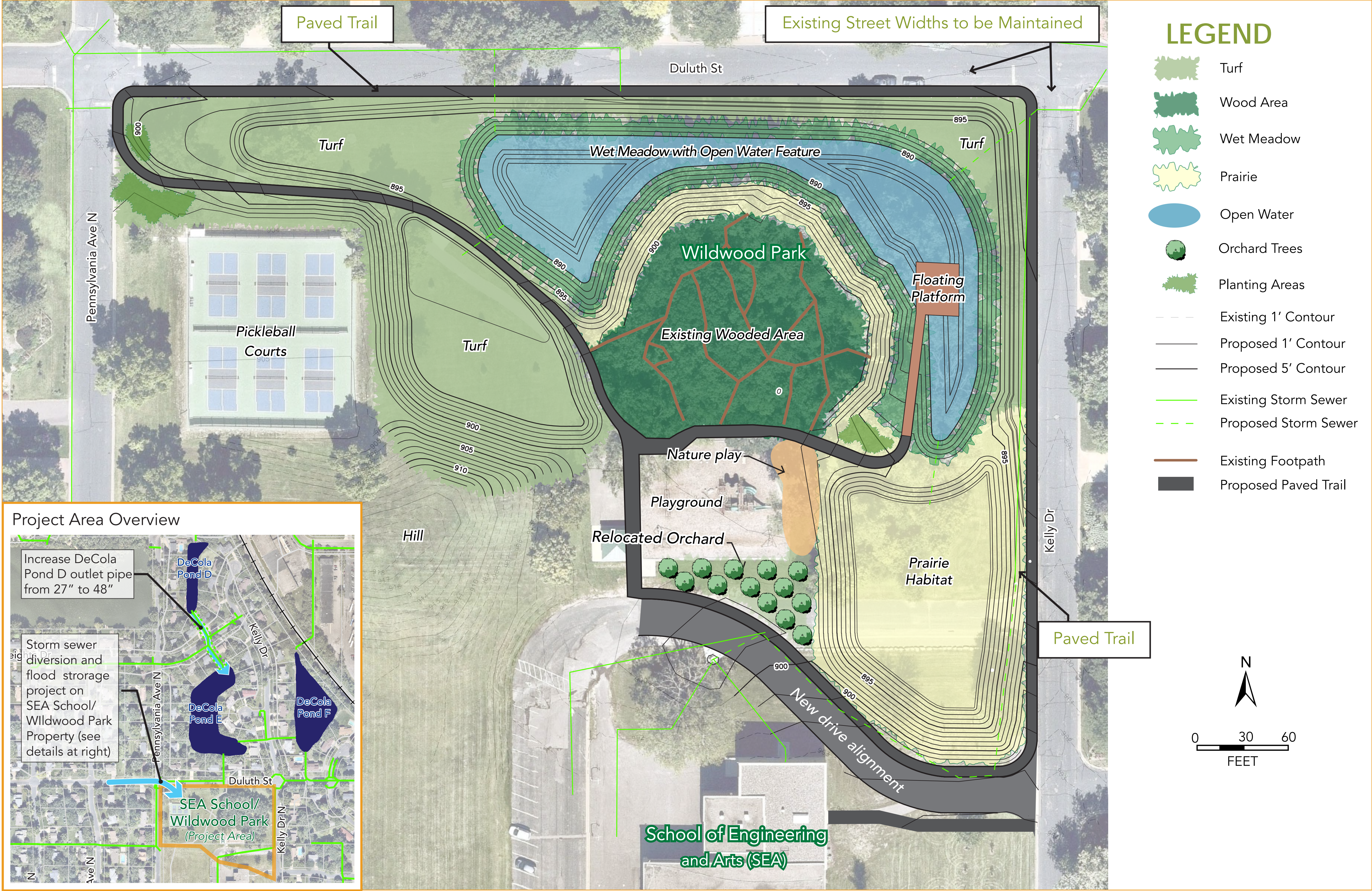
DeCola Pond	10-yr	100-yr
D	- 0.6'	- 2.8'
E,F	- 0.8'	- 0.1'

At-Risk Flooded Structures (existing/proposed):

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

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:

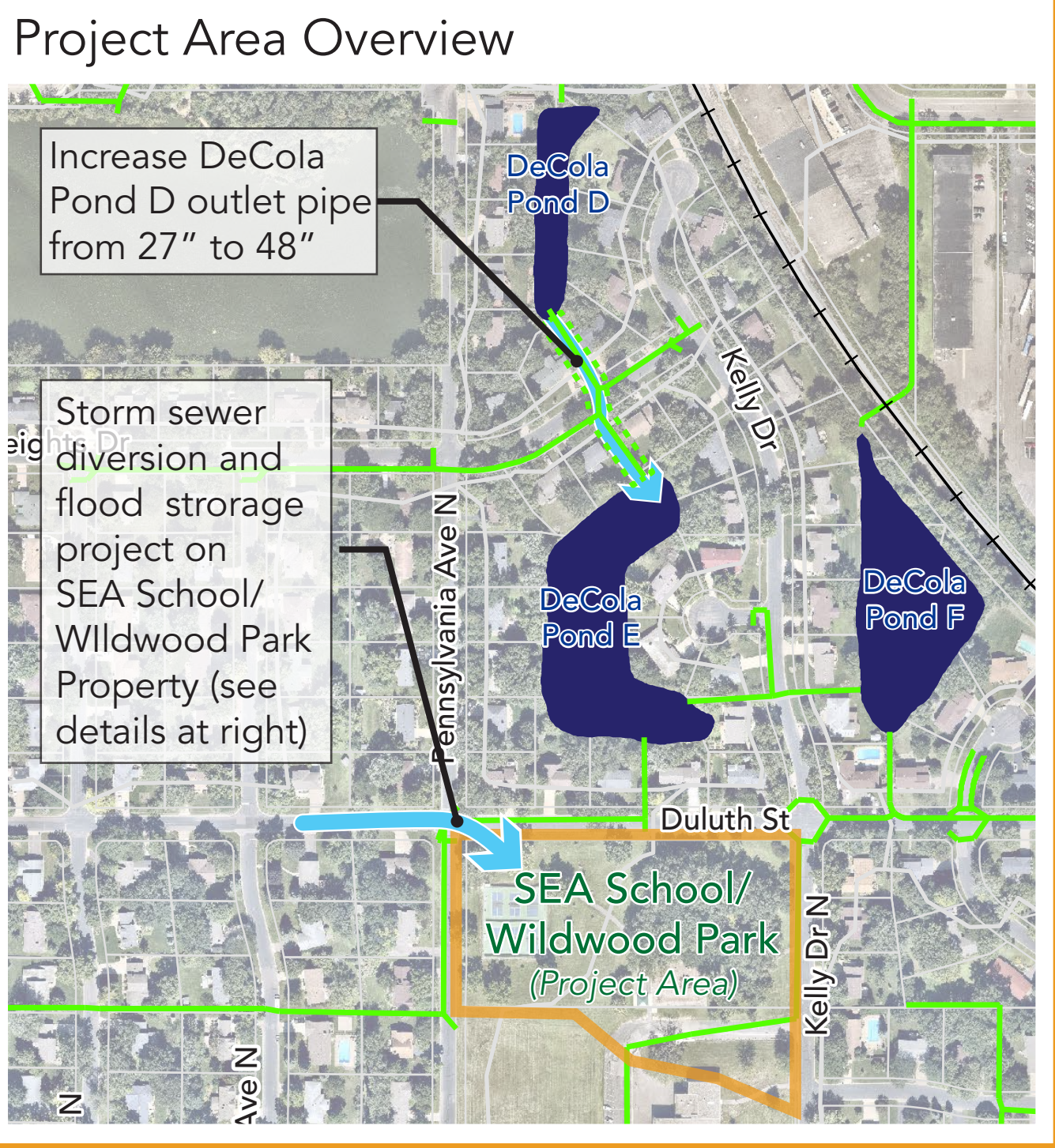
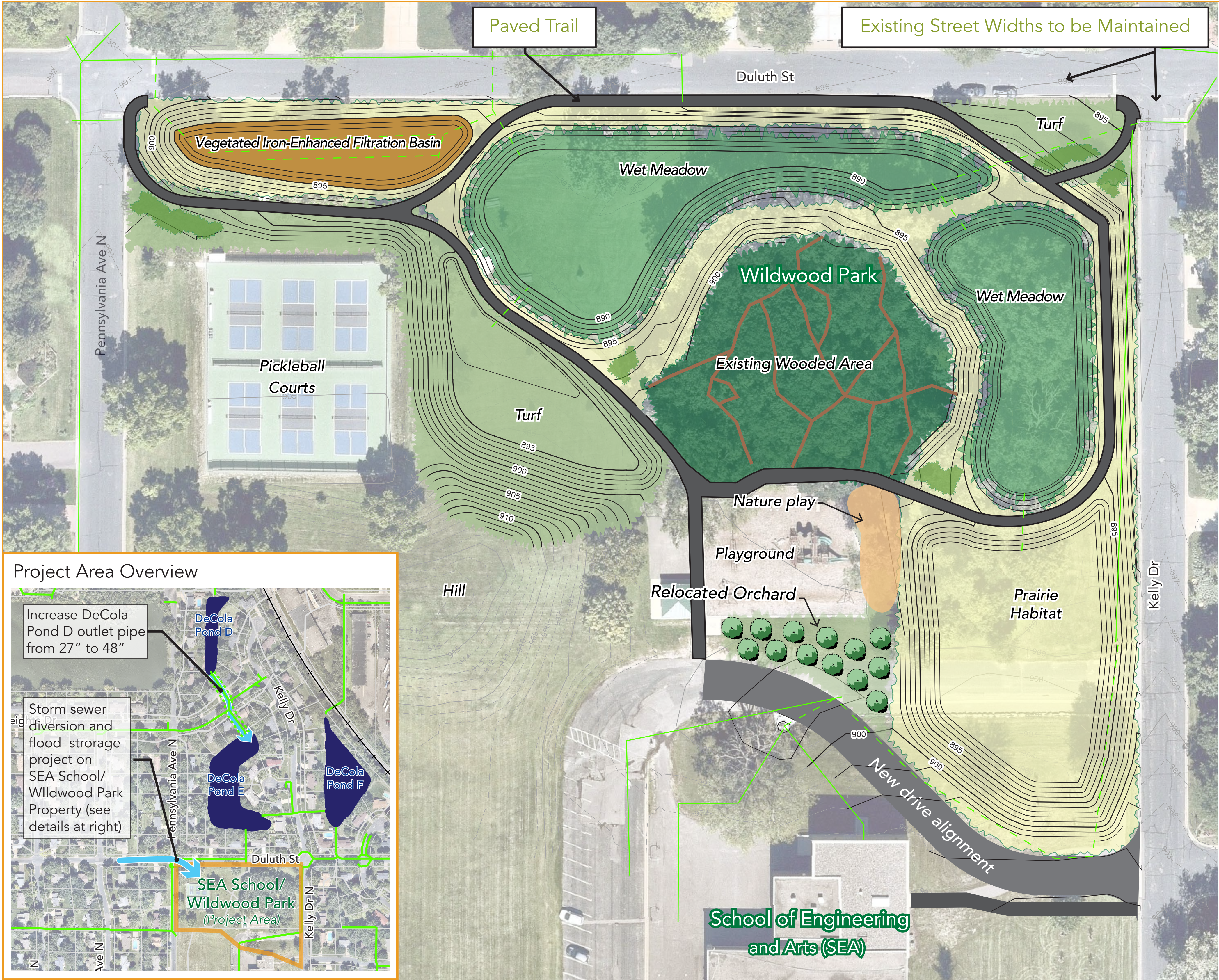
DeCola Pond	10-yr	100-yr
D	- 0.6'	- 2.8'
E,F	- 0.8'	- 0.1'

At-Risk Flooded Structures (existing/proposed):

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

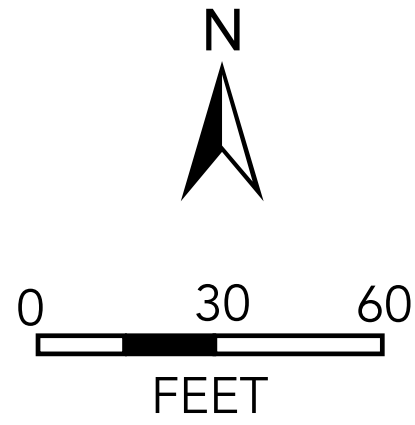
Concept 3: Wet Meadow

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



LEGEND

- Turf
- Wood Area
- Wet Meadow
- Prairie
- Vegetated Iron-Enhanced Filtration Basin
- Orchard Trees
- Planting Areas
- Existing 1' Contour
- Proposed 1' Contour
- Proposed 5' Contour
- Existing Storm Sewer
- Proposed Storm Sewer
- Existing Footpath
- Proposed Paved Trail



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:**

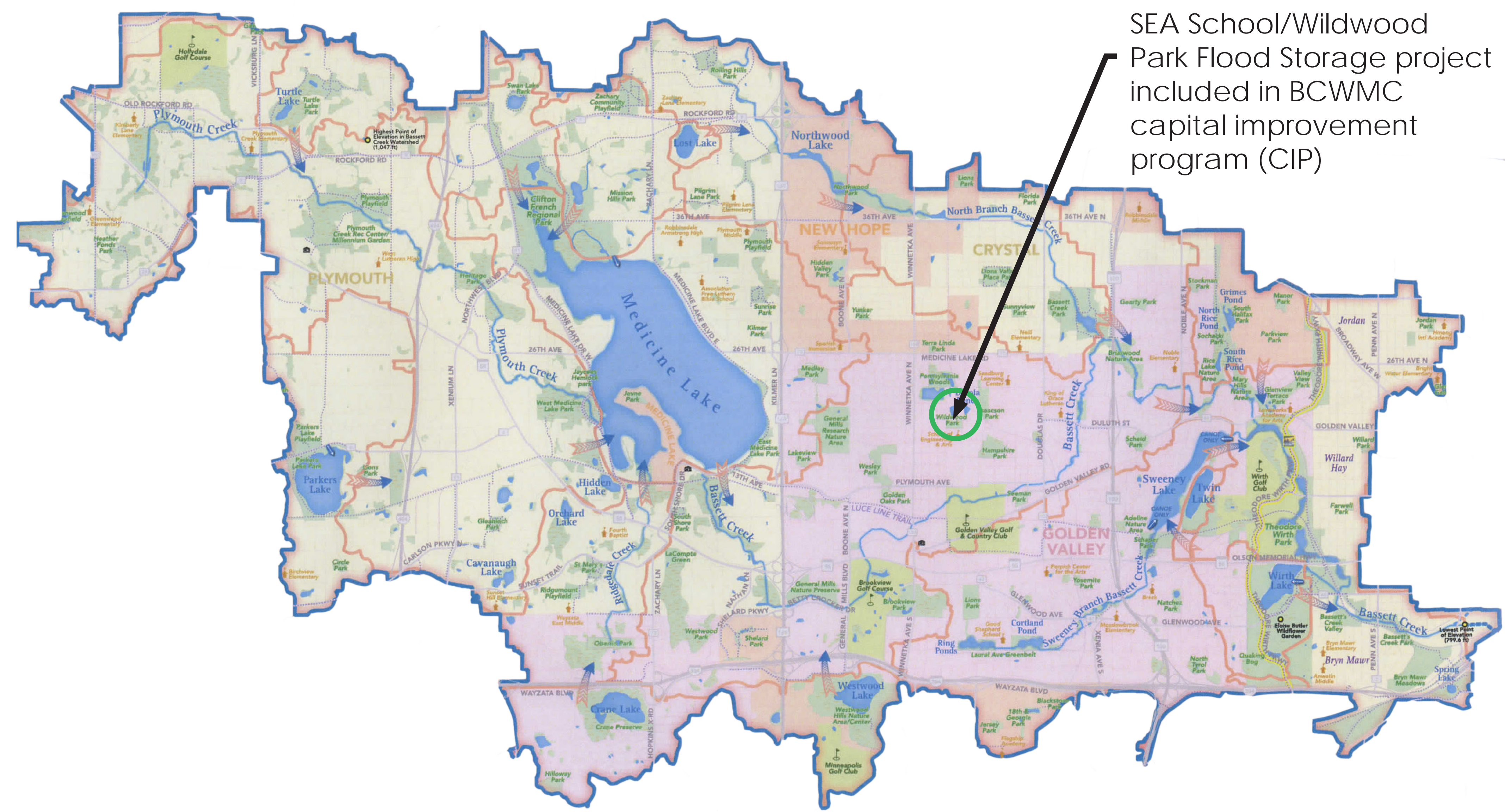
DeCola Pond	10-yr	100-yr
D	- 0.6'	- 2.8'
E,F	- 0.8'	- 0.1'

- At-Risk Flooded Structures (existing/proposed):**

DeCola Pond	10-yr	100-yr
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



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

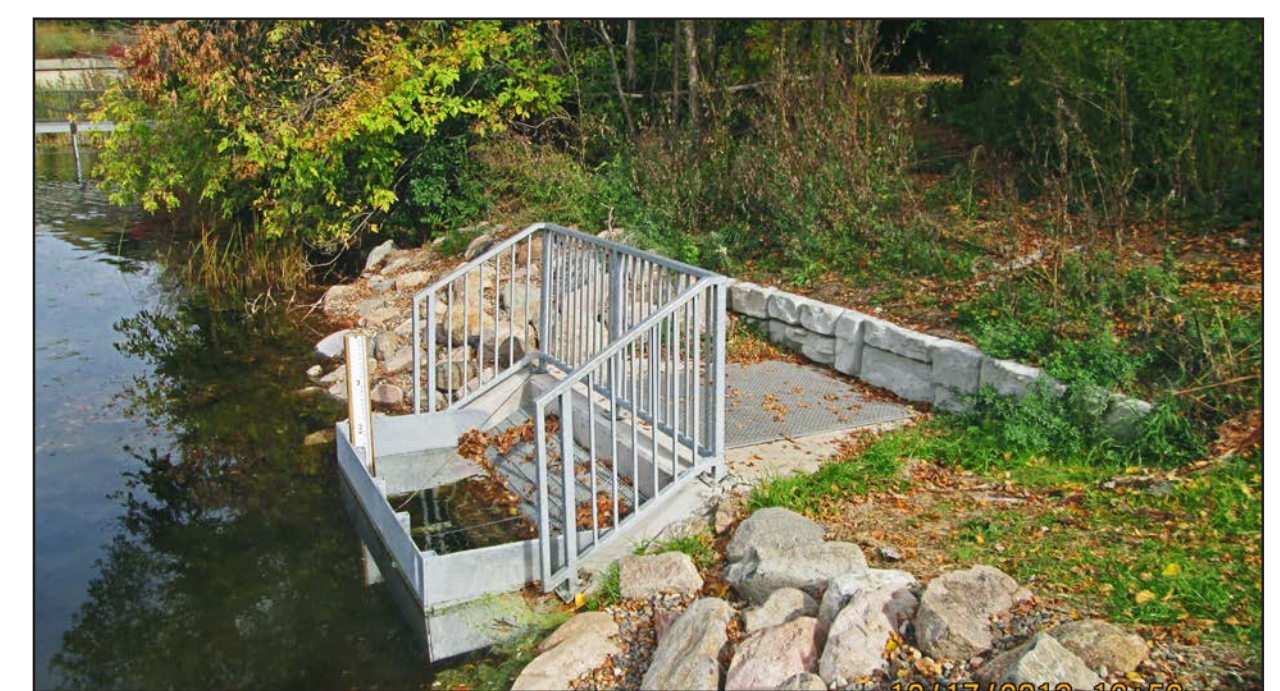
Commission funding

- 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)

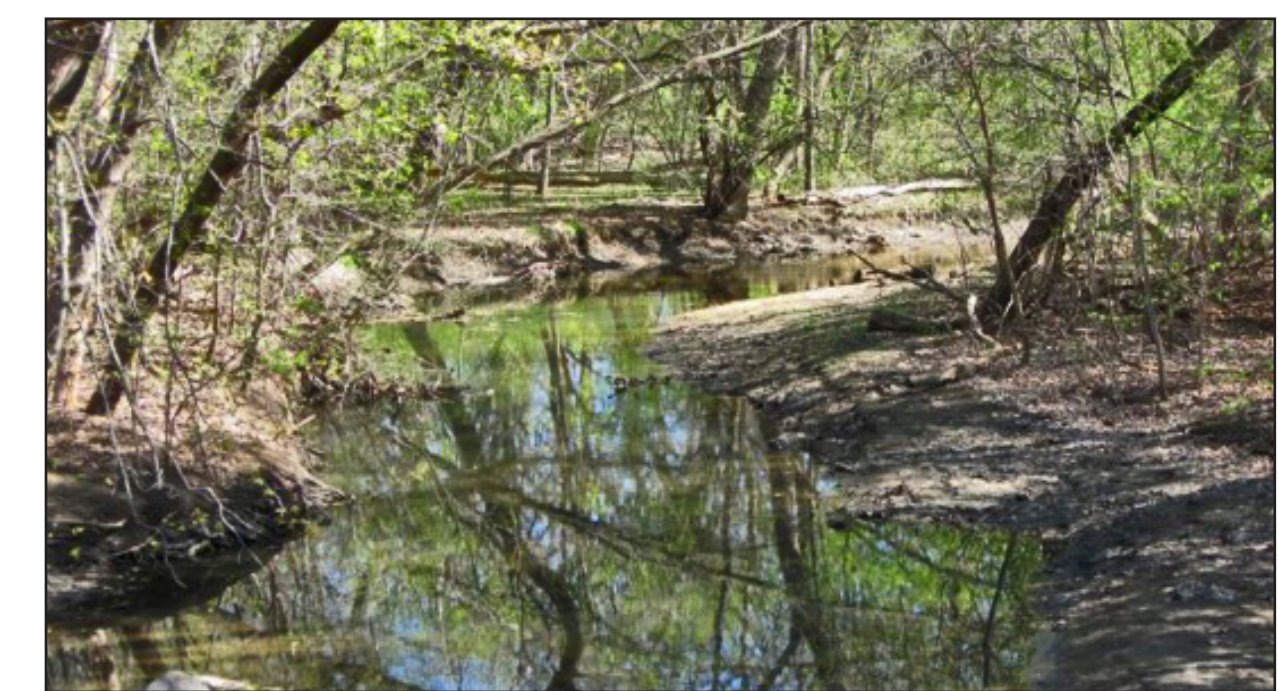
Commission activities

- 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

EXAMPLE BCWMC CIP PROJECTS



Wirth Lake outlet



Bassett Creek main stem restoration (before and after)



DeCola Ponds - SEA School-Wildwood Park Flood Storage Project