



## Bassett Creek Watershed Management Commission

Regular Meeting & Public Hearing

Thursday May 20, 2021

8:30 – 11:00 a.m.

Via Zoom – Click [HERE](#) to join the meeting.

Or join by phone +1-312-626-6799; Meeting number 823 6026 8544

### AGENDA

#### 1. CALL TO ORDER and ROLL CALL

**2. PUBLIC FORUM ON NON-AGENDA ITEMS** – *Members of the public may address the Commission about any item not contained on the regular agenda. A maximum of 15 minutes is allowed for the Forum. If the full 15 minutes are not needed for the Forum, the Commission will continue with the agenda. The Commission will take no official action on items discussed at the Forum, with the exception of referral to staff or a Commissions Committee for a recommendation to be brought back to the Commission for discussion/action.*

#### 3. APPROVAL OF AGENDA

#### 4. CONSENT AGENDA (10 minutes)

- A. Approval of Minutes – April 15, 2021 Commission Meeting
- B. Acceptance of May 2021 Financial Report
- C. Approval of Payment of Invoices
  - i. Keystone Waters, LLC – April 2021 Administrative Services
  - ii. Keystone Waters, LLC – April 2021 Printing Expenses
  - iii. Barr Engineering – April 2021 Engineering Services
  - iv. Lawn Chair Gardener – April 2021 Administrative and Education Services
  - v. Kennedy & Graven – March 2021 Legal Services
  - vi. MN Association of Watershed Districts – 2021 Dues
  - vii. PLM Land and Lake Management – Curly-leaf pondweed Treatment, Medicine Lake
  - viii. Redpath and Co. – Accounting Services
  - ix. Finance & Commerce – Public Hearing Notice
  - x. ECM Publishers, Inc. – Public Hearing Notice
  - xi. Wenck/Stantec – WOMP
- D. Approval of 2020 BCWMC Annual Report
- E. Approval of Agreement with Three Rivers Park District for Medicine Lake Cooperation
- F. Approval of Amendment to Agreement with Dawn Pape
- G. Approval of Resolution 21-05 Not to Waive Monetary Limits on Municipal Tort Liability
- H. Approval of Boone Animal Hospital Development Project, Golden Valley

#### 5. PUBLIC HEARING

- A. Receive Comments from Cities and Public on Proposed Minor Plan Amendment
  - i. Consider Extending Comment Period to August 3, 2021 per Hennepin County Request

## 6. BUSINESS

- A. Review Draft Feasibility Study for Medley Park Stormwater Treatment Facility Project (35 min)
- B. Review Draft Feasibility Study for SEA School-Wildwood Park Flood Reduction Project (35 min)

### BREAK

- C. Review Budget Committee Recommendations for Proposed 2022 Operating Budget (20 min)
- D. Consider Approval of Waiver of Conflict for Commission Attorney (5 min)
- E. Consider Conditional Approval of Proposal for Bryn Mawr Meadows Water Quality Improvement Project Design by Commission Engineer (20 min)

## 7. COMMUNICATIONS (15 minutes)

- A. Administrator's Report
  - i. Update on PRAP
  - ii. Update on Hybrid Meeting Options
  - iii. Update on Twin Lake
  - iv. Salt Symposium Early Bird Registration Open
  - v. [WCCO Interview](#)
- B. Chair
- C. Commissioners
- D. TAC Members
- E. Committees
- F. Education Consultant
  - i. [New Video](#) and Making Connections Series
- G. Legal Counsel
- H. Engineer
  - i. Update on 2021 Monitoring Activities

## 8. INFORMATION ONLY (Information online only)

- A. BCWMC Administrative Calendar
- B. CIP Project Updates <http://www.bassettcreekwmo.org/projects>
- C. Grant Tracking Summary and Spreadsheet
- D. Hennepin County Climate Action Plan – Adopted
- E. BWSR Snapshots Featuring Northside Lawns to Legumes Project

## 9. ADJOURNMENT

### Upcoming Meetings & Events

- [Bassett Creek Watershed Mgmt Commission Meeting](#): Thursday June 17<sup>th</sup>, 8:30 a.m. via Zoom
- [Bassett Creek Watershed Mgmt Commission Meeting](#): Thursday July 15<sup>th</sup>, 8:30
- [Annual Salt Symposium](#): August 3<sup>rd</sup> and 4<sup>th</sup>, online



# Bassett Creek Watershed Management Commission

## AGENDA MEMO

Date: May 12, 2021

To: BCWMC Commissioners

From: Laura Jester, Administrator

RE: **Background Information for 5/20/21 BCWMC Meeting**

1. **CALL TO ORDER and ROLL CALL**
2. **PUBLIC FORUM ON NON-AGENDA ITEMS**
3. **APPROVAL OF AGENDA – ACTION ITEM with attachment**
4. **CONSENT AGENDA (10 minutes)**
  - A. Approval of Minutes – April 15, 2021 Commission Meeting- **ACTION ITEM with attachment**
  - B. Acceptance of May Financial Report - **ACTION ITEM with attachment**
  - C. Approval of Payment of Invoices - **ACTION ITEM with attachments (online) – I reviewed the following invoices and recommend approval of payment.**
    - i. Keystone Waters, LLC – April 2021 Administrative Services
    - ii. Keystone Waters, LLC – April 2021 Printing Expenses
    - iii. Barr Engineering – April 2021 Engineering Services
    - iv. Lawn Chair Gardener – April 2021 Administrative and Education Services
    - v. Kennedy & Graven – March 2021 Legal Services
    - vi. MN Association of Watershed Districts – 2021 Dues
    - vii. PLM Land and Lake Management – Curly-leaf pondweed Treatment, Medicine Lake
    - viii. Redpath and Co. – Accounting Services
    - ix. Finance & Commerce – Public Hearing Notice
    - x. ECM Publishers, Inc. – Public Hearing Notice
    - xi. Wenck/Stantec – WOMP
  - D. Approval of 2020 BCWMC Annual Report – **ACTION ITEM with attachment (full document online) -** *According to MN Rules Chapter 8410, the BCWMC is required to submit an annual report to the MN Board of Water and Soil Resources. Staff recommends approval of the attached report and direction to submit the report and post online.*
  - E. Approval of Agreement with Three Rivers Park District for Medicine Lake Cooperation – **ACTION ITEM with attachment** – *Since 2017, the BCWMC has facilitated curly-leaf pondweed control on Medicine Lake with cost sharing of 17% from TRPD. The BCWMC has also contributed funds to TRPD for expanded boat inspections at the launch. This agreement includes both activities. It was reviewed by the BWCMC Legal Counsel and is the same agreement used in years past. Staff recommends approval.*
  - F. Approval of Amendment to Agreement with Dawn Pape – **ACTION ITEM with attachment** – *The BCWMC Education Consultant is folding her business (Lawn Chair Gardener) into her existing non-profit (We All Need Food and Water) to reduce her administrative and reporting tasks. Commission Legal Counsel Anderson drafted the attached assignment and assumption agreement and recommends approval.*

- G. Approval of Resolution 21-05 Not to Waive Monetary Limits on Municipal Tort Liability – **ACTION ITEM with attachment** – *Commission Legal Counsel Anderson recommends the Commission take action (via resolution) to not waive monetary limits on municipal tort liability. This action is taken by the Commission annually.*
- H. Approval of Boone Animal Hospital Development Project, Golden Valley – **ACTION ITEM with attachment** – *The proposed project includes site demolition and construction of a new building, paved parking areas, utilities, and stormwater management infrastructure, creating 0.99 acres of new and fully reconstructed impervious surfaces. The proposed project will result in a net increase in floodplain storage of approximately 34 cubic yards and although the project does not trigger BCWMC water quality requirements, the project will incorporate volume control onsite. Staff recommends approval.*

## 5. PUBLIC HEARING

- A. Receive Comments from Cities and Public on Proposed Minor Plan Amendment – **DISCUSSION ITEM with attachment** - *At the March meeting, the Commission approved a 5-year CIP that requires a minor amendment to the watershed management plan to incorporate new projects into the CIP. At this hearing the Commission should consider comments from the public and its member cities on the proposed amendment.*
  - i. Consider Extending Comment Period to August 3, 2021 per Hennepin County Request – **ACTION ITEM with attachment** – *Although the 30-day comment period for the plan amendment ended on May 7<sup>th</sup>, due to the timing of Hennepin County Board meetings, the County is requesting an extension of the comment period until August 3rd. Staff recommends approval.*

## 6. BUSINESS

- A. Review Draft Feasibility Study for Medley Park Stormwater Treatment Facility Project (35 min) – **DISCUSSION or ACTION ITEM with attachment (full documents online)** - *At the August 2020 meeting, the Commission approved a proposal from the Commission Engineer to prepare a feasibility study for this project. The feasibility study report was prepared with considerable input from Golden Valley staff, review and input from me, and input from the public. The Commission Engineer will present three concepts evaluated for implementation; staff recommends that the Commission implement Concept #3. The Commission can take action approving the feasibility study at this meeting, or if revisions are needed, a revised study can be considered at the June meeting.*
- B. Review Draft Feasibility Study for SEA School-Wildwood Park Flood Reduction Project (35 min) - **DISCUSSION or ACTION ITEM with attachment (full documents online)** – *Similar to the project above, at the August 2020 meeting, the Commission approved a proposal from the Commission Engineer to prepare a feasibility study for this project. The report was prepared with considerable input from Golden Valley staff, input from Robbinsdale Schools, review and input from me, and input from the public. The Commission Engineer will present three concepts evaluated for implementation; staff recommends that the Commission implement Concept #3. The Commission can take action approving the feasibility study at this meeting, or if revisions are needed, a revised study can be considered at the June meeting.*

### BREAK

- C. Review Budget Committee Recommendations for Proposed 2022 Operating Budget (20 min) – **DISCUSSION or ACTION ITEM with attachment** - *The Budget Committee met on March 22<sup>nd</sup> and April 12<sup>th</sup> to develop recommendations for the 2022 operating budget and city assessments. The attached budget includes the committee’s proposed budget in one column, along with some proposed staff revisions in a separate column. Since the Budget Committee recommendations, Commission Engineers learned more*

*about the partnering opportunities with TRPD for Plymouth Creek monitoring and the water quality monitoring budget was lowered by \$10,000. With that savings, I slightly increased some other budget lines to better reflect probable need (more information in notes section of document). Overall, the total staff proposed budget is \$3,552 lower than the original committee proposed total. 2022 City assessments are proposed to be about 4.1% higher than 2021 assessments. The Commission can take action to approve a proposed budget at this meeting or can request a revised budget for consideration at the June meeting.*

- D. Consider Approval of Waiver of Conflict for Commission Attorney (5 min) – **ACTION ITEM with attachment** – *Commission Legal Counsel Anderson recently learned that colleagues at his firm occasionally represent the City of Minneapolis on highly specialized public finance and real estate projects. Although those projects are completely unrelated to the Bryn Mawr Meadows Water Quality Improvement Project, he requests a waiver of conflict in order to continue working on the Commission’s behalf on the Bryn Mawr Meadows Water Quality Improvement Project agreement between the Commission, MPRB, and the City of Minneapolis. I recommend approval of the waiver.*
  
- E. Consider Conditional Approval of Proposal for Bryn Mawr Meadows Water Quality Improvement Project Design by Commission Engineer (20 min) – **ACTION ITEM with attachment** – *At the November 2020 meeting, the Commission requested a scope of work from the Commission Engineer to provide design and project engineering for an amount not to exceed \$183,000. The project will be implemented within Bryn Mawr Meadows Park and adjacent city streets and will be designed and constructed in conjunction with the MPRB’s design and reconstruction of Bryn Mawr Meadows Park. The Commission will consider an agreement with Minneapolis and MPRB assigning project design responsibilities to the Commission at the June meeting. I recommend approving the attached proposal contingent on approval of the agreement next month.*

## **7. COMMUNICATIONS (10 minutes)**

- A. Administrator’s Report – **INFORMATION ITEM with attachment**
  - i. Update on PRAP
  - ii. Update on Hybrid Meeting Options
  - iii. Update on Twin Lake
  - iv. Salt Symposium Early Bird Registration Open
  - v. [WCCO Interview](#)
- B. Chair
- C. Commissioners
- D. TAC Members
- E. Committees
- F. Education Consultant
  - i. [New Video](#) and Making Connections Series
- G. Legal Counsel
- H. Engineer
  - i. Update on 2021 Monitoring Activities

## **8. INFORMATION ONLY (Information online only)**

- A. BCWMC Administrative Calendar
- B. CIP Project Updates <http://www.bassettcreekwmo.org/projects>
- C. Grant Tracking Summary and Spreadsheet
- D. Hennepin County Climate Action Plan – Adopted
- E. BWSR Snapshots Featuring Northside Lawns to Legumes Project





## Bassett Creek Watershed Management Commission

### DRAFT Minutes of Regular Meeting Thursday, April 15, 2021 8:30 a.m.

Via video conference due to the COVID-19 global pandemic

#### 1. CALL TO ORDER and ROLL CALL

On Thursday, April 15, 2021 at 8:32 a.m. via video conference. Chair Cesnik brought the Bassett Creek Watershed Management Commission (BCWMC) to order.

#### Commissioners and city staff present: 23

City	Commissioner	Alternate Commissioner	Technical Advisory Committee Members (City Staff)
Crystal	Dave Anderson	<i>Vacant Position</i>	Mark Ray
Golden Valley	<i>Absent</i>	Jane McDonald Black	Jeff Oliver RJ Kakach
Medicine Lake	Clint Carlson	<i>Absent</i>	<i>Absent</i>
Minneapolis	Michael Welch	<i>Vacant Position</i>	Liz Stout, Katie Kowalczyk
Minnetonka	Mike Fruen	<i>Vacant Position</i>	<i>Absent</i>
New Hope	<i>Absent</i>	Patrick Crough	Megan Hedstrom
Plymouth	Catherine Cesnik	<i>Absent</i>	Ben Scharenbroich
Robbinsdale	Wayne Sicora	<i>Vacant Position</i>	Marta Roser, Richard McCoy
St. Louis Park	<i>Absent</i>	<i>Vacant Position</i>	Erick Francis
<b>Administrator</b>	Laura Jester, Keystone Waters		
<b>Engineer</b>	Jim Herbert and Karen Chandler, Barr Engineering		
<b>Recorder</b>	Dawn Pape, Lawn Chair Gardener		
<b>Legal Counsel</b>	Dave Anderson, Kennedy & Graven		
<b>Presenters/ Guests/Public</b>	Chris Gise, Ryan Atwell, Anna Peterson, McKenzie Erickson		

**2. PUBLIC FORUM ON NON-AGENDA ITEMS**

No members of the public were present for the public forum.

**3. APPROVAL OF AGENDA**

**MOTION:** Alternate Commissioner McDonald Black moved to approve the agenda. Commissioner Carlson seconded the motion. Upon a roll call vote, the motion carried 8-0, with the city of St. Louis Park absent from the vote.

**4. CONSENT AGENDA**

Items 4D (Acceptance of FY 2020 Financial Audit) and 4H (Approval of Barr Engineering Service Agreement) were removed from the consent agenda and added to the meeting agenda. The following items were approved as part of the consent agenda:

Approval of Minutes –March 18, 2021 Commission Meeting; Acceptance of April Financial Report; Approval of Payment of Invoices; Approval of Hennepin County AIS Prevention Grant Agreement; Approval of Agreement with Met Council for (CAMP) Citizen Assisted Monitoring Program; Approval of Hennepin County Opportunity Grant Agreement

The general and construction account balances reported in the April 2021 Financial Report are as follows:

Current Assets	CIP Projects	General Fund	TOTAL
Checking	\$395,929.81	\$210,657.65	\$606,587.46
4MP Fund Investment	\$3,501,239.06	\$0	\$3,501,239.06
4M Fund Investment	\$1,483,511.82	\$0	\$1,483,511.82
<b>Total Checking/Savings 3/31/2021</b>	\$5,380,680.69	\$210,657.65	\$5,591,338.34

**MOTION:** Commissioner Welch moved to approve the revised consent agenda excluding items 4D and 4H. Alternate Commissioner McDonald Black seconded the motion. Upon a roll call vote, the motion carried 8-0, with the city of St. Louis Park absent from the vote.

**4H. Barr Engineering Service Agreement**

Commissioner Carlson commented that he likes working with Barr Engineering but is concerned about the budget and hoped to see a comparison of rates over the years. Commission Engineer Herbert explained the changes made in the service agreement from the previous version included language regarding conflict of interest, coordination of budgeting with Commission, fee rate sheet for Engineers Chandler and himself. The new agreement has a 2-year term. Commissioner Carlson asked about the percent increase in fees. Engineer Herbert explained that this varies by individual. An individual’s rate increase depends on staff performance and remaining competitive with other firms. An overall increase was not calculated.

**MOTION:** Commissioner Carlson moved to approve the Barr Engineering Service Agreement. Alternate Commissioner Crough seconded the motion. Upon a roll call vote, the motion carried 7-0, with the city of St. Louis Park absent from the vote and the city of Minneapolis abstaining.

**4D. FY 2020 Financial Audit**

Administrator Jester indicated that there were no findings in the audit. Alternate Commissioner McDonald Black added that the nonprofit audit board meets with the auditor separately without staff present and that the Commission could consider having an audit review committee. This layer of independence might be considered for review of this year’s audit in early 2022.

**MOTION:** Commissioner Welch moved to accept FY2020 financial audit and directed the administrator to file it with the state. Alternate Commissioner McDonald Black seconded the motion. Upon a roll call vote, the motion carried 8-0, with the city of St. Louis Park absent from the vote.

## 5. BUSINESS

### A. Consider Approval of BCWMC Education Committee Recommendations

Chair Cesnik reviewed the Education Committee's recommended 2021 work plan and education budget. She introduced members of the Bassett's Creek Park Volunteer Stewardship Group: Anna Peterson and Ryan Atwell, group coordinators, and Alex Roth, ecologist with Friends of the Mississippi River. They joined the meeting to describe their vegetation restoration project and answer questions. They explained the relationship between buckthorn, erosion, and water quality. They also explained that they "inherited" the group's coordination from the Minneapolis Park and Recreation Board (MPRB). In short, they are seeking funding to create a long-term restoration plan and lead a volunteer effort to help manage and restore areas of Bassett's Creek Park that spans the Bryn Mawr and Harrison neighborhoods. They noted they already received some funding from the Bryn Mawr Neighborhood Association and will be seeking a grant from Hennepin County.

Chair Cesnik added that developing ambassadors and using the activities to also incorporate education should be components of the project.

Commissioner Welch expressed his concern with lack of support from the MPRB. Alex Roth said he has a positive relationship with the MPRB. He reviewed former work with MPRB and stated that the MPRB supports volunteers if they are guided by a restoration plan with long-term maintenance.

**MOTION:** Commissioner Welch moved to approve the BCWMC Education Committee recommendations with the condition of securing written commitment from the Minneapolis Park and Rec Board to implement the woodland restoration work for the Bassett's Creek Park Project in the Bryn Mawr/Harrison Neighborhoods. Commissioner Carlson seconded the motion. Upon a roll call vote, the motion carried 8-0, with the city of St. Louis Park absent from the vote.

Further discussion continued about education consultant's Dawn Pape's "Water Heroes" program geared for children ages 6-11. She mentioned that it is fun, unique, and that the BCWMC may want to consider hosting their own week-long summer camps to educate more children—and their adults.

Commissioner Welch commented that he is interested in the Water Heroes program and suggested that it could be done in the Harrison neighborhood where the Commission have done a fair amount of work already. Ms. Pape expressed enthusiasm for being connected with the Harrison neighborhood. She suggested instead of using the \$1,000 to explore what other partners are doing as far as water education, use that money to hold a camp in the Harrison neighborhood. Resident McKenzie Erickson spoke up and offered to make introductions in Harrison and Bryn Mawr Neighborhoods.

### B. Receive Update on Twin Lake Riparian Condition and Discussions

During the public open forum at the March meeting, the Commission heard concerns from Golden Valley residents about Twin Lake water quality, the condition of the riparian area and the unlawful expanded beach area. Administrator Jester was directed to learn more about the issue and discuss it with Golden Valley staff and other stakeholders. Since then, she participated in considerable correspondence among Golden Valley staff, MPRB staff, and residents. She toured the site this week and participated in a meeting among city and MPRB staff.

Administrator Jester shared photos of erosion and reported that a couple of issues had been resolved already. For example, there was concern that the white powder residue left on ski trails was ski wax and could contain PFAS. It was found to be minerals left over from snowmaking along the trails. Since the water for making snow comes from a deep well, there are a lot of minerals.

The second resolved issue was the question about whether MPRB completed work for the \$600,000 Lessard Sams Outdoor Heritage Council grant they received in 2014. The project was indeed completed, but the project location changed to another part of Wirth Park.

As noted in March, Administrator Jester reported the problems stem from a lot more people using the area now. Beyond erosion concerns, this area is also a public safety concern. MPRB will add Community Connections and Violence Prevention staff rotations to this area to keep an eye on illegal activities including vegetation removal.

In addition, the City of Golden Valley reported that beavers are removing a significant number of trees along the shore and that the area hasn't been stabilized for a long time. It was noted that no entity (city, Park Board, BCWMC) has funding for the large-scale project that would be needed to stabilize the eroding slope. Golden Valley TAC member Jeff Oliver commented that if this were an easy issue, it would've been taken care of already. But there are lots of "moving parts" and weekly conversations are ongoing. Golden Valley wants to see the environmental issues addressed, but underlying issues need to be addressed first, and protocols for emergency response need to be established.

Commissioner Welch noted his surprise at the amount of erosion/bare soil in the photos and indicated this issue should be a high priority for BCWMC to address. He noted that we should seek opportunities for partnering and collaborating on grant applications.

Alternate Commissioner McDonald Black added that she frequently visits the park. She noted the stairs are dangerous because they are old and falling apart and she has seen used syringes. She noted it's a difficult situation for Golden Valley because they aren't the property owner and have no representation on the MPRB.

Administrator Jester noted there will be a future meeting with leaders of the Sweeney Lake Association, among other groups. MPRB is coordinating that meeting. She noted she would make sure Chair Cesnik and Golden Valley commissioners are invited.

**[5 minutes break] 10:05**

**C. Discuss Possibility of Creating BCWMC Internship for Dougherty Family College Student**

At the March Commission meeting and at the Education Committee meeting, the idea of creating a paid internship for a student of the Dougherty Family College (part of St. Thomas University) was briefly discussed. The Education Budget has up to \$3,770 available for such a position if internship activities centered on education.

Alternate Commissioner McDonald Black thanked the Commission for their support of the equity issue. She noted that inequity is a created system and that many underserved populations don't even know about opportunities they may be missing. The fact that unemployment for Blacks is twice the rate of Whites shows racial disparities. And Minnesota has the largest education gap between races of any state.

The students at Dougherty Family College are Pell Grant (federal subsidy) recipients and these students have gone to the worst schools. Alternate Commissioner McDonald Black described the college as a special place where students are educated about what kinds of possibilities might exist for them. The college is a 2-year program and many students go on to 4-year programs. She noted that internships are an important way for the students to gain new experiences. These students are working full-time jobs to pay rent. They are looking to work about 200 hours in a semester and make \$15-20/hour. Their mentors will need to be flexible in accommodating their schedules and the demands already on them.

Commissioner Anderson asked what the intern would do, who would supervise the intern, and whether other watersheds have done something similar. He also pointed out collateral costs besides the \$3,700 in wages, such as the time it takes for someone to oversee the intern. He also asked about the application process for finding the right intern, and wondered about the benefits an intern would provide the Commission. Administrator Jester noted that the Commission could learn a lot from the intern.

Dawn Pape stated she would be happy to be a mentor an intern who is interested in education. She prides herself on being a teacher, so she wouldn't require any special skills of an intern, but a good attitude would be helpful. As far as the work to be done by an intern, she suggested Water Heroes programming in the Harrison Neighborhood.

Commissioner Anderson asked why this was limited to Dougherty Family College. Alternate Commissioner McDonald Black responded that it isn't limited, but that is where she has connections. Chair Cesnik added that we should work to answer Commissioner Anderson's questions as we move through the process and not after the fact.

Commissioner Welch supports moving forward and appreciates Alternate Commissioner McDonald Black's connection. He added that the intern would definitely need support and the Commission will incur additional costs. He noted that his wife budgets 1/3 of her time to mentoring one student. He added that equity is a larger topic to address in our next watershed management plan and that BCWMC should look at the work Capitol Region WD has done in incorporating equity issues into its plan.

Chair Cesnik added that this is new territory for the Commission, that we need good justification and to make sure the program aligns with our plan and goals. Commissioner Carlson noted that he likes the idea and that it would result in a contribution to the BCWMC in addition to benefitting the student.

**MOTION:** Alternate Commissioner McDonald Black moved that the Commission further explore the development of an internship position through the Dougherty Family College in conjunction with the Education Committee. Commissioner Welch seconded the motion. Upon a roll call vote, the motion carried 8-0, with the city of St. Louis Park absent from the vote.

**D. Review Updated CIP List and Project Costs**

Administrator Jester reported that at the March meeting, the Commission approved the 5-year CIP as recommended by the TAC and requested the CIP table be updated to include city and grant contributions for a more complete picture of total project costs. Administrator Jester reviewed the new table which incorporates those revisions. She noted the 30-day comment period for the proposed minor plan amendment to add five projects to the CIP ends on May 7<sup>th</sup> and that the Commission will hold a public hearing on May 20<sup>th</sup>, and will set a 2022 maximum levy at their June meeting.

**6. COMMUNICATIONS**

**A. Administrator's Report**

- i. Reminder to complete PRAP Survey – April 22nd deadline
- ii. Noted that May and June meetings will be long

**B. Chair - no comments**

**C. Commissioners**

Commissioner Carlson thanked Ben Scharenbroich, city of Plymouth, for coordinating the joint agreement facilitating street sweeping in the city of Medicine Lake

Commissioner Welch urged commissioners to attend the upcoming Metro MAWD meeting

**D. TAC Members**

Ben Scharenbroich showed photos of debris collected by different street sweepers, noting how effective the mechanical broom (leaves, grass clippings) v. regenerative air (finer material). He is working on a report to detail how much debris and pollution is being diverted from entering our waters.

**E. Committees**

- i. Budget Committee will present draft 2022 operating budget in May

**F. Education Consultant**

No video this month because waiting for education plan to be approved

**G. Legal Counsel**

Nothing to report

**H. Engineer**

- i. Thanked commission for approving service agreement
- ii. Update on 2021 Monitoring Activities
  - Ice-out monitoring is done on Crane, Westwood, and Parkers Lakes

- Storm event monitoring on Sweeney Branch
- WOMP station flows at temporary station

**7. INFORMATION ONLY** (Information online only)

- A. BCWMC Administrative Calendar
- B. CIP Project Updates <http://www.bassettcreekwmo.org/projects>
- C. Grant Tracking Summary and Spreadsheet

**8. ADJOURNMENT**

The meeting was adjourned at 10:57 a.m.

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Signature/Title      Date

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Signature/Title      Date

DRAFT

Bassett Creek WMC May 2021 Financial Report

		Capital Improvement Projects	General Fund	TOTAL
<b>ASSETS</b>				
<b>Current Assets</b>				
<b>Checking/Savings</b>				
	101 · Wells Fargo Checking	384,989.51	183,190.93	568,180.44
	102 · 4MP Fund Investment	3,501,239.06	0.00	3,501,239.06
	103 · 4M Fund Investment	1,483,511.82	0.00	1,483,511.82
	<b>Total Checking/Savings</b>	<b>5,369,740.39</b>	<b>183,190.93</b>	<b>5,552,931.32</b>
<b>Accounts Receivable</b>				
	112 · Due from Other Governments	353,800.00	6,777.00	360,577.00
	113 · Delinquent Taxes Receivable	20,717.00	0.00	20,717.00
	<b>Total Accounts Receivable</b>	<b>374,517.00</b>	<b>6,777.00</b>	<b>381,294.00</b>
<b>Other Current Assets</b>				
	114 · Prepays	0.00	3,223.00	3,223.00
	<b>Total Other Current Assets</b>	<b>0.00</b>	<b>3,223.00</b>	<b>3,223.00</b>
	<b>Total Current Assets</b>	<b>5,744,257.39</b>	<b>193,190.93</b>	<b>5,937,448.32</b>
<b>TOTAL ASSETS</b>		<b>5,744,257.39</b>	<b>193,190.93</b>	<b>5,937,448.32</b>
<b>LIABILITIES &amp; EQUITY</b>				
<b>Liabilities</b>				
<b>Current Liabilities</b>				
<b>Accounts Payable</b>				
	211 · Accounts Payable	12,347.50	53,139.37	65,486.87
	<b>Total Accounts Payable</b>	<b>12,347.50</b>	<b>53,139.37</b>	<b>65,486.87</b>
<b>Other Current Liabilities</b>				
	212 · Unearned Revenue	200,000.00	1.00	200,001.00
	251 · Unavailable Rev - property tax	20,717.00	0.00	20,717.00
	<b>Total Other Current Liabilities</b>	<b>220,717.00</b>	<b>1.00</b>	<b>220,718.00</b>
	<b>Total Current Liabilities</b>	<b>233,064.50</b>	<b>53,140.37</b>	<b>286,204.87</b>
	<b>Total Liabilities</b>	<b>233,064.50</b>	<b>53,140.37</b>	<b>286,204.87</b>
<b>Equity</b>				
	311 · Nonspendable prepaids	0.00	3,223.00	3,223.00
	312 · Restricted for improvements	4,562,582.00	0.00	4,562,582.00
	314 · Res for following year budget	0.00	5,000.00	5,000.00
	315 · Unassigned Funds	0.00	493,025.05	493,025.05
	<b>Net Income</b>	<b>373,094.91</b>	<b>214,318.49</b>	<b>587,413.40</b>
	<b>Total Equity</b>	<b>4,935,676.91</b>	<b>715,566.54</b>	<b>5,651,243.45</b>
<b>TOTAL LIABILITIES &amp; EQUITY</b>		<b>5,168,741.41</b>	<b>768,706.91</b>	<b>5,937,448.32</b>
<b>UNBALANCED CLASSES</b>		<b>575,515.98</b>	<b>-575,515.98</b>	<b>0.00</b>

**Bassett Creek WMO May 2021 Financial Report - Operating Budget**

	<b>Annual Budget</b>	<b>Apr 16 - May 13, 21</b>	<b>Year-to-Date</b>	<b>Budget Balance</b>
<b>Income</b>				
411 · Assessments to Cities	554,900.00	0.00	409,672.00	145,228.00
412 · Project Review Fees	62,000.00	6,500.00	18,000.00	44,000.00
413 · WOMP Reimbursement	5,000.00	0.00	0.00	5,000.00
414 · State of MN Grants	0.00	0.00	6,777.26	-6,777.26
415 · Investment earnings	0.00	0.00	0.00	0.00
416 · Use of Fund Balance	5,000.00	0.00	0.25	4,999.75
417 · Transfers from LT & CIP	42,000.00	0.00	0.00	42,000.00
<b>Total Income</b>	<b>668,900.00</b>	<b>6,500.00</b>	<b>434,449.51</b>	<b>234,450.49</b>
<b>Expense</b>				
<b>1000 · General Expenses</b>				
1010 · Technical Services	134,000.00	13,327.00	34,474.00	99,526.00
1020 · Development/Project Reviews	68,000.00	3,978.50	14,245.50	53,754.50
1030 · Non-fee and Preliminary Reviews	24,000.00	1,346.50	5,880.00	18,120.00
1040 · Commission and TAC Meetings	12,000.00	462.50	2,763.50	9,236.50
1050 · Surveys and Studies	9,000.00	793.00	2,761.41	6,238.59
1060 · Water Quality / Monitoring	129,000.00	4,816.24	13,916.27	115,083.73
1070 · Water Quantity	7,000.00	545.50	1,636.50	5,363.50
1080 · Annual Flood Control Inspection	12,000.00	481.50	539.00	11,461.00
1090 · Municipal Plan Review	2,000.00	0.00	0.00	2,000.00
1100 · Watershed Monitoring Program	23,000.00	3,643.16	4,579.66	18,420.34
1110 · Annual XP-SWMM Model Updates	0.00	0.00	375.50	-375.50
1120 · TMDL Implementation Reporting	7,000.00	0.00	0.00	7,000.00
1130 · APM/AIS Work	14,000.00	8,533.35	8,533.35	5,466.65
1140 · Erosion Control Inspections	0.00	0.00	0.00	0.00
1000 · General Expenses - Other		0.00	0.00	0.00
<b>Total 1000 · General Expenses</b>	<b>441,000.00</b>	<b>37,927.25</b>	<b>89,704.69</b>	<b>351,295.31</b>
<b>2000 · Plan Development</b>				
2010 · Next Gen Plan Development	18,000.00	0.00	0.00	18,000.00
2000 · Plan Development - Other		0.00	0.00	0.00
<b>Total 2000 · Plan Development</b>	<b>18,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18,000.00</b>
<b>3000 · Administration</b>				
3010 · Administrator	67,400.00	6,984.00	22,410.00	44,990.00
3020 · MAWD Dues	3,750.00	3,750.00	3,750.00	0.00
3030 · Legal	15,000.00	1,176.10	2,370.10	12,629.90
3040 · Financial Management	4,000.00	1,500.00	1,600.00	2,400.00
3050 · Audit, Insurance & Bond	18,000.00	0.00	7,700.00	10,300.00
3060 · Meeting Catering	1,300.00	0.00	0.00	1,300.00
3070 · Administrative Services	8,000.00	466.06	2,351.26	5,648.74
3000 · Administration - Other		0.00	0.00	0.00
<b>Total 3000 · Administration</b>	<b>117,450.00</b>	<b>13,876.16</b>	<b>40,181.36</b>	<b>77,268.64</b>
<b>4000 · Implementation</b>				
4010 · Publications/ Annual Report	1,300.00	0.00	0.00	1,300.00
4020 · Website	1,800.00	0.00	406.60	1,393.40
4030 · Watershed Education Partnership	17,350.00	0.00	0.00	17,350.00
4040 · Education and Public Outreach	26,000.00	821.25	2,337.18	23,662.82
4050 · Public Communications	1,000.00	514.71	514.71	485.29
4000 · Implementation - Other		0.00	0.00	0.00
<b>Total 4000 · Implementation</b>	<b>47,450.00</b>	<b>1,335.96</b>	<b>3,258.49</b>	<b>44,191.51</b>
<b>5000 · Maintenance</b>				
5010 · Channel Maintenance Fund	20,000.00	0.00	0.00	20,000.00
5020 · Long Term-FEMA Floodplain Mode	25,000.00	0.00	0.00	25,000.00
5000 · Maintenance - Other		0.00	0.00	0.00
<b>Total 5000 · Maintenance</b>	<b>45,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>45,000.00</b>
<b>Total Expense</b>	<b>668,900.00</b>	<b>53,139.37</b>	<b>230,409.02</b>	
<b>Net Income</b>	<b>0.00</b>	<b>-46,639.37</b>	<b>204,040.49</b>	

**Bassett Creek WMC May 2021 Financial Report - Capital Improvement Projects**

	<b>Annual Budget</b>	<b>Apr 16 - May 13, 21</b>	<b>Year-to-Date</b>	<b>Inception to Date Exp</b>	<b>Remaining Budget</b>
<b>Income</b>					
BC2,3,8 · DeCola Ponds B&C Improve		0.00	34,286.00		
BC23810 · Decola Ponds/Wildwood Park	0.00	0.00	0.00		
BC5 · Bryn Mawr Meadows	0.00	0.00	0.00		
BC7 · Main Stem Dredging Project		0.00	125,000.00		
BGP2 · Bassett Creek Park & Winnetka	0.00	0.00	0.00		
CL3 · Crane Lake Improvement Project	0.00	0.00	0.00		
CRM · Main Stem Cedar Lk Rd-Dupont	0.00	0.00	0.00		
Feasibl · Westwood Lake Water Quality	0.00	0.00	0.00		
Fld · Flood Control Long Term Maint		10,278.00	24,342.50		
LT · Metro Blooms Harrison Nghbr CWF		0.00	13,459.00		
ML21 · Jevne Park Stormwater Mgmt	0.00	0.00	0.00		
NL2 · Four Seasons Mall Area	0.00	0.00	0.00		
SL1,3 · Schaper Pond Enhancement	0.00	0.00	0.00		
SL8 · Sweeny Lake Water Quality	0.00	0.00	236,850.01		
TW2 · Twin Lake Alum Treatment	0.00	0.00	0.00		
<b>Total Income</b>	<b>0.00</b>	<b>10,278.00</b>	<b>434,390.41</b>		
<b>Expense</b>					
BC-238 · CIP-DeCola Ponds B&C	1,600,000.00	0.00	0.00	1,507,895.31	92,104.69
BC-2381 · CIP-DeCola Ponds/Wildwood Pk	0.00	6,218.00	16,529.50	49,888.89	-49,888.89
BC-5 · CIP-Bryn Mawr Meadows	912,000.00	472.50	605.50	102,736.53	809,263.47
BC-7 · CIP-Main Stem Lagoon Dredging	3,259,000.00	0.00	329.50	81,396.72	3,177,603.28
BGP-2 · CIP- Basset Cr Pk & Winnetka	1,123,351.00	0.00	0.00	1,066,648.32	56,702.68
CL-3 · CIP-Crane Lake Improvement Proj	380,000.00	0.00	0.00	387,600.00	-7,600.00
CR-M · CIP-Main Stem Cedar Lk Rd-Dupon	1,064,472.00	0.00	511.50	132,029.25	932,442.75
CR-P · CIP-Plymouth Ck Restoration	0.00	0.00	0.00	0.00	0.00
Feas · CIP-Westwood Lake Water Quality	404,500.00	0.00	0.00	223,640.96	180,859.04
Flood · Flood Control Long-Term Maint	859,123.00	0.00	0.00	0.00	859,123.00
ML-12 · CIP-Medley Park Stormwater	0.00	4,992.00	21,513.00	74,165.61	-74,165.61
ML-20 · CIP-Mount Olive Stream Restore	178,100.00	100.00	100.00	36,093.92	142,006.08
ML-21 · CIP-Jevne Park Stormwater Mgmt	500,000.00	0.00	0.00	56,390.75	443,609.25
ML-23 · CIP-Purch High Eff St Sweeper	81,600.00	0.00	0.00	0.00	81,600.00
NL-2 · CIP-Four Seasons Mall	990,000.00	0.00	0.00	185,236.56	804,763.44
PL-7 · CIP-Parkers Lake Stream Restore		92.50	92.50	57,639.62	-57,639.62
SL-1,3 · CIP-Schaper Pond	612,000.00	472.50	4,820.50	433,423.45	178,576.55
SL-8 · CIP-Sweeny Lake WQ Improvement	568,080.00	0.00	6,515.50	335,251.09	232,828.91
TW-2 · CIP-Twin Lake Alum Treatment	163,000.00	0.00	0.00	91,037.82	71,962.18
<b>Total Expense</b>	<b>12,695,226.00</b>	<b>12,347.50</b>	<b>51,017.50</b>	<b>4,821,074.80</b>	
<b>Net Income</b>	<b>-12,695,226.00</b>	<b>-2,069.50</b>	<b>383,372.91</b>		

**Bassett Creek WMC May 2021 Financial Report - Long Term Funds**

	<b>Total Budget</b>	<b>Apr 15 - May 15, 21</b>	<b>Year-to-Date</b>	<b>Inception to Date</b>	<b>Remaining Budget</b>
<b>Fld1 - Flood Control Long Term Maint</b>		10,278.00	14,064.50	169,420.90	
<b>Fld2 - Flood Control Long Term Exp</b>	699,980.00	1,889.50	5,529.50	484,266.41	
	699,980.00	8,388.50	8,535.00	-314,845.51	385,134.49
<b>LT1 - Metro Blooms Harrison Nghbr CWF</b>		0.00	13,459.00	134,595.00	
<b>LT2 - Metro Blooms Nghbr CWF Project</b>	134,595.00	0.00	0.00	136,501.00	
	134,595.00	0.00	13,459.00	-1,906.00	132,689.00
<b>Flood1 - Annual Flood Control Income</b>				0.00	
<b>Flood2 - Annual Flood Control Expense</b>	500,000.00	0.00		0.00	
	500,000.00	0.00	0.00	0.00	500,000.00
<b>Gen - Next gen Plan Development Income</b>				0.00	
<b>Gen1 - Next gen Plan Development Exp</b>	30,000.00	0.00		0.00	
	30,000.00	0.00	0.00	0.00	30,000.00
<b>Qual - Annual Water Quality Income</b>					
<b>Qual1 - Annual Water Quality Expense</b>	440,950.00	0.00		267,073.30	
	440,950.00	0.00	0.00	-267,073.30	173,876.70
<b>TMDL1 - TMDL Studies Income</b>					
<b>TMDL2 - TMDL Studies Expense</b>	135,000.00	0.00		107,850.15	
	135,000.00	0.00	0.00	-107,850.15	27,149.85

# Bassett Creek Watershed Management Commission



## 2020 Annual Report

Crystal • Golden Valley • Medicine Lake • Minneapolis  
Minnetonka • New Hope • Plymouth • Robbinsdale • St. Louis Park



April 2021

# Bassett Creek Watershed Management Commission 2020 Annual Report

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- Appendix A 2020 Financial Information
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Cover photo: BCWMC Engineers (Barr Engineering, Co.) preparing for the Bassett Creek deep tunnel inspection at the outlet to the Mississippi River, Minneapolis. October 2020.

# Bassett Creek Watershed Management Commission

Executive Summary: 2020 Annual Report



## 2020 Activities & Achievements

In 2020, the BCWMC continued its work toward fulfilling its mission:  
*Stewardship of Water Resources to Protect and Enhance Our Communities.*

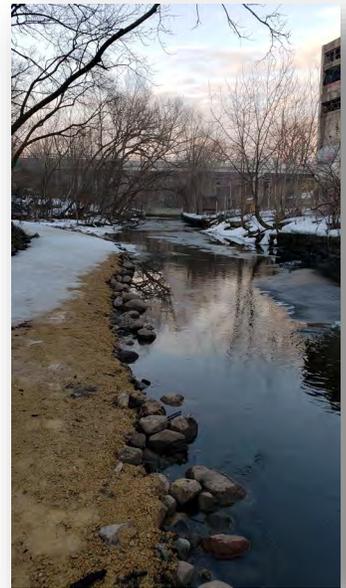
### Major Project (Capital Improvement Program)

**DeCola Ponds B & C Improvement Project:** Construction of this project in Golden Valley was completed and plants, trees and shrubs will be established in 2021. The project created 24 acre-feet of flood storage to alleviate flooding of adjacent properties and on Medicine Lake Rd. It also improves water quality and restored upland and wetland habitats.



**Main Stem Erosion Repair Project:** This project stabilized streambanks (and a popular walking path) along Bassett Creek near the Fruen Mill in Minneapolis and between Cedar Lake Rd. and the entrance to the Bassett Creek Tunnel. The project will reduce sediment and nutrient pollution in the creek and downstream in the Mississippi River.

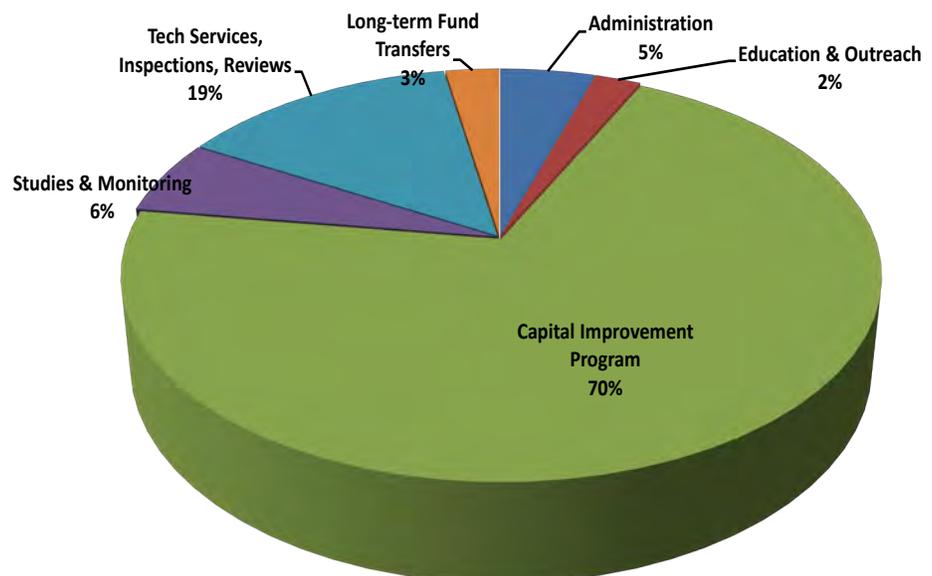
**Crane Lake Improvement Project:** This project in Minnetonka was completed 2020 in conjunction with the reconstruction of Ridgedale Drive. The project treats runoff from 13.3 acres of urban land that previously flowed untreated into Crane Lake. The project removes an estimated 9 lbs of total phosphorus and 3,500 lbs of total suspended solids from the runoff each year.



Learn more about BCWMC's capital projects: [www.bassettcreekwmo.org/projects](http://www.bassettcreekwmo.org/projects)

## Budget

In FY 2020, the BCWMC spent approximately \$744,421 on activities and programs and \$1.75 million on capital projects. BCWMC income included \$550,450 from member cities, \$178,383 in grants and reimbursements, and \$65,000 in development review fees. Another \$1.5 million was collected through a Hennepin County tax levy on watershed residents for the capital projects. For an itemization or more information on the BCWMC's 2020 expenditures, see the 2020 Operating Budget in Appendix A or the financial audit online.



2020 BCWMC Expenses

## 2020 Highlights

*The Bassett Creek Watershed Management Commission (BCWMC) is governed by a board composed of representatives from each of the nine member cities: Crystal Golden Valley Medicine Lake Minneapolis Minnetonka New Hope Plymouth St. Louis Park and Robbinsdale. Representatives are appointed by their cities and serve three-year terms.*

### Sweeney Lake Water Quality

**Improvement Project:** This project was awarded a federal 319 grant through the Minnesota Pollution Control Agency to treat curly-leaf pondweed, manage and remove carp, and perform an alum treatment on Sweeney Lake to reduce internal phosphorus levels. Work began in 2020 with a survey and herbicide treatment of curly-leaf pondweed. Carp capture and removal occurred throughout the summer with 452 carp removed from Sweeney Lake and 152 carp removed from Schaper Pond. A whole-lake alum treatment was performed in late October and a second alum treatment is planned for 2022.



**Monitoring:** In 2020, the BCWMC continued to assess its lakes and streams through a robust water monitoring program:

- Assessed the health of **Sweeney and Twin Lakes** by collecting data on water quality, plankton, and aquatic plants; and partnered with Three Rivers Park District on monitoring in **Medicine Lake**
- Completed the first year of a 2-year monitoring project on the **Sweeney Branch of Bassett Creek** including collecting data on flow, water quality, habitat, and macroinvertebrates
- Performed continuous stream flow and water quality monitoring on **Bassett Creek at the Watershed Outlet Monitoring Program** station in partnership with the Met Council, and
- Coordinated **volunteers on eight lakes** to collect water samples and data through the Met Council's Citizen Assisted Monitoring Program.

**Education & Outreach:** Despite the COVID-19 pandemic, the BCWMC continued engaging and educating watershed residents through various avenues including:

- Drafted and submitted **monthly articles** to the local newspaper, Sun Post, for an educational column on topics like reducing chlorides, raingardens, pollinator-friendly practices, precipitation changes, and AIS
- Created and posted 8 short videos on various topics similar to the columns for the Sun Post; view all the videos on the BCWMC You Tube channel: [https://www.youtube.com/channel/UCKrsWkEW8DI5FZbl93Fb\\_hg](https://www.youtube.com/channel/UCKrsWkEW8DI5FZbl93Fb_hg)
- Continued a partnership with Metro Blooms on the **Harrison Neighborhood Project** to engage residents and businesses, train youth, and install water quality practices.
- Continued **financial support** of West Metro Water Alliance, Metro Watershed Partners, Children's Water Festival, and Hennepin County River Watch.

**COOPERATIVE WATER RESOURCES MANAGEMENT PROJECT  
JOINT POWERS AGREEMENT  
BETWEEN  
Three Rivers Park District  
AND  
Bassett Creek Watershed Management Commission**

1. PARTIES

Bassett Creek Watershed Management Commission (hereinafter referred to as “the Commission”) and the Three Rivers Park District (hereinafter referred to as “the Park District”), both being governmental units of the State of Minnesota, and acting through their respective governing bodies, hereby enter into this Joint Powers Agreement (“Agreement”). The Commission and the Park District from time to time may be referred to hereinafter as “the parties.”

2. PURPOSE

The Park District and the Commission recognize that intergovernmental cooperation in preventing degradation of aquatic resources, assessing the quality of Medicine Lake in the Bassett Creek Watershed, preventing the spread of aquatic invasive species (AIS), and implementing the Medicine Lake TMDL plan is in the mutual interest of the citizens of Hennepin County and the metropolitan area. The parties enter into this Agreement to facilitate the improvement of Medicine Lake water quality through the implementation of the Medicine Lake TMDL, and to assess the quality of the lake as implementation proceeds.

3. AUTHORITY

The parties enter into this Agreement pursuant to Minn. Stat. § 471.59, regarding joint exercise of powers which allows two or more governmental units, by agreement entered into through action of their governing bodies, to jointly or cooperatively exercise any power common to the contracting parties or any similar powers, including those which are the same except for the territorial limits within which they may be exercised. This Agreement provides for the cooperative undertaking of a project and does not involve the creation of a joint board.

4. DUTIES OF THE PARK DISTRICT

In recognition of the staff resources and capabilities of the Park District, the Park District will be responsible for all of the following:

- a. Completion of an early season assessment to determine herbicide treatment areas for control of curly-leaf pondweed (“CLP”) in Medicine Lake with GPS coordinates of areas in need of treatment.

- b. Completion of spring and fall littoral zone aquatic plant surveys to monitor native macrophyte response to the CLP control program in Medicine Lake.
- c. Completion of annual water quality monitoring to determine the effectiveness of the CLP control program in reducing phosphorus loading to the lake.
- d. Participation in a project advisory capacity to guide the project implementation and review project results.
- e. Adhering to a performance criteria that ensures that all work meets the requirements of the Minnesota Department of Natural Resources (“DNR”) approved permit for control of CLP in Medicine Lake.
- f. Providing a cash contribution of 17% of the non-grant covered cost of the CLP treatment contract up to a maximum amount of \$2,000/year. An amendment to the Agreement will be required if the TRPD project contribution is estimated to exceed \$2,000. Reimbursement shall be upon an invoice submitted by the Commission.
- g. Hiring, training, and employing Level I and Level II AIS inspectors to operate the AIS decontamination unit at the French Regional Park boat launch.

5. DUTIES OF THE COMMISSION

In recognition of the staff resources and capabilities of the Commission, the Commission will be responsible for all of the following:

- a. Coordinating the development and implementation of a CLP control strategy for Medicine Lake, as per the approved Medicine Lake TMDL implementation plan.
- b. Coordinating the permitting process with the DNR and securing a contractor for performing an herbicide treatment to control CLP in Medicine Lake.
- c. Ensuring compliance with monitoring and evaluation requirements outlined in DNR’s approved permit for controlling CLP.
- d. Coordinating communications with all affected parties regarding the treatment and securing funding from the parties to this Agreement.
- e. Providing the additional funding beyond what the municipalities, grants, and the Park District provide to support the Medicine Lake CLP control project, consistent with the approved cost-share policy at the time of approval of this Agreement.
- f. Providing \$5,000 to the Park District to augment the AIS inspection program at the French Regional Park boat launch.

6. AMENDMENT

Any amendment to this Agreement must be in writing and approved by the Commission and the Park District. The parties shall have full power to amend this Agreement to add or delete items from the scope of this Agreement upon such terms as are agreed to between the parties.

7. LIABILITY

Each party to this Agreement shall be responsible for maintaining its own insurances and shall be responsible for its own acts and omissions. Neither party is agreeing to be responsible for the acts of the other under this Agreement. This Agreement provides for the undertaking of a cooperative activity and the parties shall be deemed a single governmental unit for the purposes of liability as provided in Minn. Stat. § 471.59, subd. 1(a). Nothing herein shall be interpreted as waiving any exception from or limitation on liability available to either party under Minn. Stat., Chap. 466 or other law.

8. TERMINATION

This Agreement will terminate at the end of the 2021 boat launch inspection season, estimated to be Monday September 6, 2021. Notwithstanding, either party may terminate this Agreement for any reason by providing 90 days written notice to the other party. In the event of termination, the Park District will pay pro rata for that portion of the CLP Control Project completed in accordance with Section 4.

IN WITNESS WHEREOF, the parties have caused this joint powers agreement to be executed and it shall be effective as of the date of signature of the last party to the Agreement.

**Basset Creek Watershed Management  
Commission**

Dated: \_\_\_\_\_, 2021

\_\_\_\_\_

Chair

\_\_\_\_\_

Secretary

**Three Rivers Park District**

Dated: \_\_\_\_\_, 2021

\_\_\_\_\_

Director of Natural Resources



**ASSIGNMENT AND ASSUMPTION AGREEMENT**

THIS ASSIGNMENT AND ASSUMPTION AGREEMENT (the “Assignment”), entered into this \_\_\_ day of \_\_\_\_\_, 2021 (the “Effective Date”), is between Lawn Chair Gardener, a Minnesota sole proprietorship (“Assignor”), and We All Need Food and Water, a Minnesota nonprofit corporation (“Assignee”).

**RECITALS**

1. On February 2, 2021, Assignor and the Bassett Creek Watershed Management Commission (“BCWMC”) entered into that certain Administrative Services and Education and Outreach Services Agreement (the “Agreement”), a copy of which is attached hereto as Exhibit A.

2. Assignor desires to assign all of its rights and obligations under said Agreement to Assignee, Assignee desires to assume such rights and obligations, and pursuant to section 5 of the Agreement, the BCWMC must approve such assignment in writing.

**AGREEMENT**

In consideration of the recitals above and the mutual covenants and conditions contained herein, the parties hereby agree that as of the Effective Date, Assignor hereby assigns to Assignee all of its rights, interests, and obligations related to the Agreement, and Assignee hereby assumes all such rights, interests, and obligations. This Assignment shall be binding on and inure to the benefit of the parties hereto and their respective successors and assigns. Except for the express assignment contemplated herein, no other terms or conditions of the Agreement shall be otherwise affected, amended or modified by this Assignment in any manner whatsoever.

**ASSIGNOR (LAWN CHAIR GARDENER):**

By: \_\_\_\_\_

Its: \_\_\_\_\_

**ASSIGNEE (WE ALL NEED FOOD AND WATER):**

By: \_\_\_\_\_

Its: \_\_\_\_\_

**CONSENT FROM BASSETT CREEK  
WATERSHED MANAGEMENT COMMISSION:**

By: \_\_\_\_\_  
Chair

By: \_\_\_\_\_  
Secretary

**EXHIBIT A**

[attached here]

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION  
RESOLUTION NO. 21-05

RESOLUTION AUTHORIZING EXECUTION OF WAIVER FORM RELATING TO TORT  
LIMITS FOR LIABILITY INSURANCE AND NOT WAIVING SUCH TORT LIMITS

WHEREAS, the Bassett Creek Watershed Management Commission (“Commission”) is a joint powers watershed management organization established by the cities of Crystal, Golden Valley, Medicine Lake, Minneapolis, Minnetonka, New Hope, Plymouth, Robbinsdale, and St. Louis Park in accordance with Minnesota Statutes, section 103B.211; and

WHEREAS, the Commission is insured for tort liability matters by the League of Minnesota Cities Insurance Trust (“LMCIT”); and

WHEREAS, as part of its liability insurance coverage with LMCIT, the Commission is required to elect annually whether to waive the statutory tort liability limits stated in Minn. Stat. § 466.04; and

WHEREAS, staff has recommended that the Commission not waive the tort cap limits in order to mitigate the Commission’s tort liability as permitted by law; and

WHEREAS, a decision to not waive the tort cap limits reasonably protects the Commission and limits its potential liability while allowing an individual claimant to recover damages as provided by law.

NOW, THEREFORE, BE IT RESOLVED by the Bassett Creek Watershed Management Commission that the Commission Administrator is authorized to execute the LMCIT Liability Coverage Waiver Form on behalf of the Commission by indicating that the Commission elects not to waive the statutory limitation on tort liability.

Adopted this 20<sup>th</sup> day of May, 2021.

\_\_\_\_\_  
Chair

ATTEST:

\_\_\_\_\_  
Secretary



## LIABILITY COVERAGE – WAIVER FORM

**Members who obtain liability coverage through the League of Minnesota Cities Insurance Trust (LMCIT) must complete and return this form to LMCIT before the member's effective date of coverage. Return completed form to your underwriter or email to [pstech@lmc.org](mailto:pstech@lmc.org).**

*The decision to waive or not waive the statutory tort limits must be made annually by the member's governing body, in consultation with its attorney if necessary.*

Members who obtain liability coverage from LMCIT must decide whether to waive the statutory tort liability limits to the extent of the coverage purchased. The decision has the following effects:

- *If the member does not waive the statutory tort limits, an individual claimant could recover no more than \$500,000 on any claim to which the statutory tort limits apply. The total all claimants could recover for a single occurrence to which the statutory tort limits apply would be limited to \$1,500,000. These statutory tort limits would apply regardless of whether the member purchases the optional LMCIT excess liability coverage.*
- *If the member waives the statutory tort limits and does not purchase excess liability coverage, a single claimant could recover up to \$2,000,000 for a single occurrence (under the waive option, the tort cap liability limits are only waived to the extent of the member's liability coverage limits, and the LMCIT per occurrence limit is \$2,000,000). The total all claimants could recover for a single occurrence to which the statutory tort limits apply would also be limited to \$2,000,000, regardless of the number of claimants.*
- *If the member waives the statutory tort limits and purchases excess liability coverage, a single claimant could potentially recover an amount up to the limit of the coverage purchased. The total all claimants could recover for a single occurrence to which the statutory tort limits apply would also be limited to the amount of coverage purchased, regardless of the number of claimants.*

Claims to which the statutory municipal tort limits do not apply are not affected by this decision.



## Memorandum

**To:** Bassett Creek Watershed Management Commission (BCWMC)  
**From:** Barr Engineering Co. (Barr)  
**Subject:** Item 4H: Boone Animal Hospital – Golden Valley, MN  
BCWMC May 20, 2021 Meeting Agenda  
**Date:** May 12, 2021  
**Project:** 23270051.52 2021 2245

### 4H Boone Animal Hospital – Golden Valley BCWMC 2021-06

#### Summary:

**Proposed Work:** Site demolition, new single-story building, paved parking areas, utilities, and stormwater management basins

**Basis for Review at Commission Meeting:** Work in the floodplain and along stream banks

**Impervious Surface Area:** Increase 0.42 acres

**Recommendation:** Approval

#### General Project Information

The proposed project is located in the Bassett Creek Main Stem subwatershed at 750 Boone Avenue North in Golden Valley, MN. The proposed project includes site demolition and construction of a new single-story building, paved parking areas, utilities, and stormwater management infrastructure, resulting in 1.56 acres of land disturbance. The proposed project creates 0.99 acres of new and fully reconstructed impervious surfaces, including 0.57 acres of fully reconstructed impervious surfaces and an increase of 0.42 acres of impervious surfaces from 0.70 acres (existing) to 0.99 acres (proposed).

#### Floodplain

The proposed project includes work in the BCWMC (Bassett Creek) 1% annual-chance (base flood elevation, 100-year) floodplain. The February 2021 BCWMC Requirements for Improvements and Development Proposals (Requirements) document states that projects within the floodplain must maintain no net loss in floodplain storage and no increase in flood level at any point along the trunk system (managed to at least a precision of 0.00 feet). The 1% annual-chance (base flood elevation, 100-year) floodplain elevation of Bassett Creek adjacent to the project area is 887.6 feet NAVD88.

The proposed project will result in a net increase in floodplain storage of approximately 34 cubic yards within the project grading limits from 791 cubic yards (existing) to 825 cubic yards (proposed).

## **Lakes, Streams, and Wetlands**

The proposed project includes work along the banks of Bassett Creek that requires review by the Commission. As part of the proposed project, a piped outlet with riprap armoring will be installed along the bank of Bassett Creek. The riprap will be installed from the pipe outlet to approximately the toe of the bank of Bassett Creek.

The City of Golden Valley is the local government unit (LGU) responsible for administering the Wetland Conservation Act; therefore, BCWMC wetland review is not required.

## **Rate Control**

The proposed project does not create one or more acres of new or fully reconstructed impervious surfaces; therefore, BCWMC rate control review is not required. However, the developer is providing rate control onsite, which was reviewed by the City of Golden Valley.

## **Water Quality**

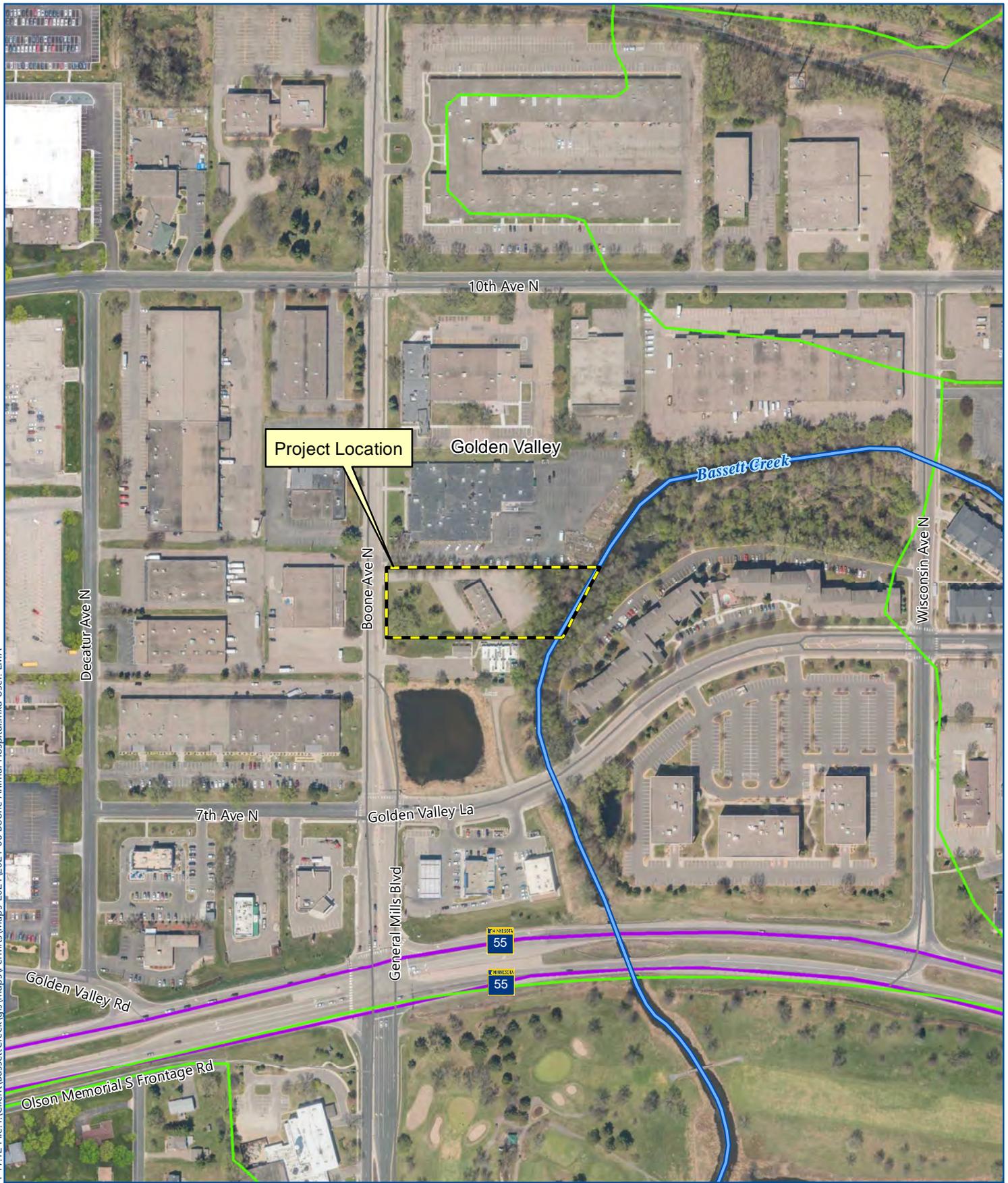
The proposed project does not create one or more acres of new or fully reconstructed impervious surfaces; therefore, BCWMC water quality review is not required. However, the developer is providing volume control (water quality treatment) onsite, which was reviewed by the City of Golden Valley.

## **Erosion and Sediment Control**

The proposed project results in more than 10,000 square feet of land disturbance; therefore, the proposed project must meet the BCWMC erosion and sediment control requirements. Proposed temporary erosion and sediment control features include a rock construction entrance and silt fence. Permanent erosion and sediment control features include riprap armoring, stabilization with seed and mulch, and erosion control blanket.

## **Recommendation**

Approval



Project Location

Golden Valley

Bassett Creek

7th Ave N

Golden Valley La

Golden Valley Rd

Olson Memorial S Frontage Rd

General Mills Blvd

Wisconsin Ave N

55

55

- Project Location
- Municipality
- BCWMC
- Legal Boundary
- Major Subwatershed
- Bassett Creek



0 150 300 Feet



BCWMC #2021-06  
BOONE ANIMAL HOSPITAL  
Golden Valley, MN

LOCATION MAP





## Bassett Creek Watershed Management

### NOTICE OF PUBLIC HEARING

**Proposed Minor Plan Amendment to the  
Bassett Creek Watershed Management Commission's  
*September 2015 Watershed Management Plan***

NOTICE IS HEREBY GIVEN that the Bassett Creek Watershed Management Commission (BCWMC) will hold a public hearing during its regular meeting on

**Thursday, May 20, 2021 at 8:30 a.m.**

**Due to the global COVID-19 pandemic, the hearing will be held virtually via Zoom.**

**Join the meeting here: <https://us02web.zoom.us/j/81955374062> or join by phone: 312-626-6799;  
meeting #819 5537 4062**

Interested persons are invited to attend. The purpose of the public hearing is to answer questions about the proposed minor plan amendment to the BCWMC's *September 2015 Watershed Management Plan* and to hear public testimony and comments of member cities regarding the proposed amendment. The proposed minor plan amendment involves revisions to the Capital Improvement Program (CIP):

- Adding Beacon Heights 2<sup>nd</sup> Addition Stormwater Improvement Project (ML-23). This project in the City of Plymouth will add stormwater treatment to an area that currently has minimal treatment and drains to Medicine Lake. This project would be constructed in conjunction with a street reconstruction project in 2022.
- Adding Cost Sharing Purchase of High Efficiency Street Sweeper (BC-12). This project in the City of Golden Valley will provide funding for the city to purchase a high efficiency street sweeper to collect pollutants from streets in targeted areas near impaired waters.
- Adding Toledo Ave/Minnaqua Pond Stormwater Improvements & Flood Reduction Project (BC-13). This project in the City of Golden Valley will improve water quality and reduce flood potential in the Minnaqua Pond area.
- Adding Plymouth Creek Restoration Project Dunkirk Lane to Yuma Lane and Vicksburg Lane to County Road 9 (2027CR-P). This project in the City of Plymouth will reduce erosion and sedimentation to improve water quality and habitat along the creek.

### **Bassett Creek Watershed Management Commission**

**7800 Golden Valley Road | Golden Valley, MN 55427 | [www.bassettcreekwmo.org](http://www.bassettcreekwmo.org) | Established 1968**  
Crystal | Golden Valley | Medicine Lake | Minneapolis | Minnetonka | New Hope | Plymouth | Robbinsdale | St. Louis Park

- Adding Flood Control Project Double Box Culvert Repairs (FCP-1). This project within the Bassett Creek tunnel will repair and maintain critical infrastructure of the Bassett Creek Flood Control Project.

Although not requiring a formal amendment, Table 5-3 will also be updated to:

- Remove Restoration and Stabilization of Historic Bassett Creek Channel (BC-9) due to its low priority and unknown future impacts from future Blue Line LRT.
- Update implementation schedules and budgets of existing projects.

You can view all proposed changes to Capital Improvement Program (Table 5-3) of the *2015 Watershed Management Plan* and view fact sheets on all proposed additions to the CIP on the BCWMC website at: [www.bassettcreekwmo.org/document/wmp-plans](http://www.bassettcreekwmo.org/document/wmp-plans).

A levy of an ad valorem property tax by Hennepin County on property within the Bassett Creek Watershed is the proposed primary method of payment for the costs of the CIP Projects.

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

Laura Jester, Administrator



**Hennepin County**  
Public Works

**Environment and Energy Department**  
701 Fourth Avenue South, Suite 700  
Minneapolis, Minnesota 55415-1842

612-348-3777, Phone  
612-348-8532, Fax  
hennepin.us/environment

April 16, 2021

Catherine Cesnik, Chair  
Bassett Creek Watershed Management Commission  
c/o Laura Jester, Watershed Administrator  
16145 Hillcrest Lane  
Eden Prairie, MN 55346

**Re: Minor Plan Amendment**

Dear Chair Cesnik:

I request that Hennepin County's review deadline for the proposed plan amendment be extended to August 3, 2021. The need for the extension is due to the County's 2021 meeting dates, formal review process, the lead time required to place the item on the County Board's meeting schedule.

The Board Action requesting formal approval of the Minor Plan Amendment will be heard by the Hennepin County Board of Commissioners Administration Committee on July 27, 2021 and by the full Board on August 3, 2021.

Sincerely,

A handwritten signature in black ink, appearing to read 'Karen Galles'.

Karen Galles  
Supervisor, Land & Water Unit

Cc: Laura Jester, Watershed Administrator  
Steve Christopher, BWSR



# Medley Park Stormwater Treatment Facility Feasibility Study-DRAFT

*Golden Valley, Minnesota*

May 2021



Prepared for  
Bassett Creek Watershed Management Commission



# Medley Park Stormwater Treatment Facility Feasibility Study-DRAFT

May 2021

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Appendix B	Geotechnical Soil Boring Logs (2020)
Appendix C	Wetland Delineation Report (2020)
Appendix D	Feasibility Level Cost Estimates

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# 1.0 Executive summary

## 1.1 Background

The Bassett Creek Watershed Management Commission's (BCWMC) current Capital Improvement Program (CIP) (Table 5-3 in the 2015-2025 Bassett Creek Watershed Management Plan, as revised) includes the Medley Park Stormwater Treatment Facility project (Project). At their August 2020 meeting, the Commission approved the BCWMC Engineer's proposal to conduct a feasibility study for the Project (2022 CIP Project ML-12).

As is required for BCWMC CIP Projects, a feasibility study must be completed prior to BCWMC holding a hearing and ordering the project. This study examines the feasibility of developing flood storage volumes and water quality treatment best management practices (BMPs) in the western portion of Medley Park adjacent to (and within) existing Medley Pond. The feasibility study includes examining the development of additional water quality treatment volume, the installation of biofiltration BMPs, re-aligning the existing channel north of Medley Pond, diverting small storm event flows from existing stormwater infrastructure, and removing accumulated sediment from Medley Pond. The goal of the project is to alleviate local flooding in the subdivision south of Medley Park and to improve water quality downstream of Medley Park by trapping additional sediment and pollutants in the pond, in biofiltration BMPs and within expanded storage areas, thus minimizing pollutants passing downstream to Medicine Lake. The proposed project will also improve ecology and wildlife habitat, enhance active and passive recreation opportunities, and provide educational opportunities.

Three conceptual designs were investigated during this feasibility study. The concept design layouts investigated various combinations of biofiltration basins, constructed stormwater ponds, the expansion and dredging of the existing Medley Pond, and the diversion of runoff from existing storm infrastructure upstream of the project area. All concept designs were developed to balance flood mitigation storage and water quality treatment. Flood benefits were assessed with the hydrologic and hydraulic model XPSWMM and water quality benefits were quantified by using the P8 model. Permitting requirements for each conceptual design were reviewed and cost estimates are provided.

If ordered, the CIP calls for implementing the project in 2022 and 2023. The BCWMC CIP funding (ad valorem tax levied by Hennepin County on behalf of the BCWMC), is not the sole source of funding for this project. The remainder of the funding will come from the City of Golden Valley and other sources (e.g. other grants, as appropriate).

## 1.2 Site conditions

Medley Park is located in the City of Golden Valley east of Highway 169 and south of Medicine Lake Road (Figure 2-1). Medley Park is a public, urban, walking park consisting of open green spaces, deciduous forest, open water, various wetland communities, playground equipment, and sporting facilities (e.g., basketball court, tennis court, ice skating rinks). The walking trails are used heavily by the single family and multi-family residential communities surrounding the park.

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In the western portion of Medley Park is an existing open waterbody named Medley Pond, which has a surface area of approximately 0.5 acres. Medley Pond is not listed as a Minnesota Department of Natural Resources (MnDNR) public water.

Medley Pond receives stormwater runoff from a drainage area of approximately 95 acres in Golden Valley and New Hope and discharges downstream to a small stormwater pond, Pond ML-2 (as named by the City of Golden Valley). Local residents also refer to this pond as Kings Valley Pond, which is named after the surrounding townhome community. Runoff from Pond ML-2 discharges to another small stormwater pond, Pond ML-3, which ultimately discharges to Medicine Lake. Any improvements to runoff water quality within Medley Park will result in improvements to Medicine Lake, which is currently listed as impaired for excess nutrients. Reductions in sediment and pollutant loads to the lake can likely help address this impairment.

### 1.3 Project alternatives

The BCWMC Engineer evaluated three conceptual designs for developing flood storage volume and water quality BMPs within Medley Park. All three concepts analyzed several stormwater runoff diversion alternatives from existing stormwater infrastructure and investigated various layouts of stormwater ponds, biofiltration basins, and Medley Pond expansion and dredging to balance flood storage management and water quality treatment. The three concepts are fully described in Section 5.0.

In addition, measures considered for potential implementation in all scenarios include the following:

- Increasing the Medley Pond open water area, and increasing associated water quality treatment volume through expanding contours below the normal water level (NWL) and dredging accumulated sediment. The proposed expansion and dredging of accumulated sediment would provide additional water quality treatment volume and provide additional habitat for aquatic life, such as turtles, frogs, macroinvertebrates, and aquatic plants.
- Creating additional stormwater pond(s) to provide additional water quality treatment volume, improve ease of maintenance, enhance water quality in downstream locations, and increase flood storage capacity.
- Diverting stormwater runoff from upstream stormwater infrastructure. Two diversions were assessed and include diverting low flows from storm sewer northeast of the project area and/or re-aligning the existing channel that currently discharges directly into Medley Pond. Diverting stormwater runoff from the existing stormwater infrastructure allows for biofiltration treatment of the runoff before discharging downstream, which would help to remove particulate and dissolved pollutants. Re-aligning the stormwater channel into new stormwater ponds allows for a longer detention time, which would promote enhanced sediment and particulate contaminant settling.
- Preserving trees on the west side of Medley Pond. Tree removal is expected within project disturbance limits. However, upland areas would be restored with native vegetation and replanted with trees to replace those removed during construction.

- Replacing disturbed trails with ADA-compliant trails to preserve park use, improve walking trail opportunities, and allow for maintenance access. For all concepts a looped trail around the stormwater features is provided.
- Restoring all disturbed areas with native plantings and pollinator friendly habitats.

The alternatives are discussed in more detail in Sections 5.0 and 6.0.

## 1.4 Relationship to Watershed Management Plan

The BCWMC included the Medley Park Stormwater Treatment Facility Project in its CIP, based on the following “gatekeeper” policy from the BCWMC Plan. Those items in bold italics represent those that directly apply to this project.

110. The BCWMC will consider including projects in the CIP that meet one or more of the following “gatekeeper” criteria.

- Project is part of the BCWMC trunk system (see Section 2.8.1, Figure 2-14 and Figure 2-15 of the report)
- ***Project improves or protects water quality in a priority waterbody***
- ***Project addresses an approved TMDL or watershed restoration and protection strategy (WRAPS)***
- ***Project addresses flooding concern***

The BCWMC will use the following criteria, in addition to those listed above, to aid in the prioritization of projects:

- Project protects or restores previous Commission investments in infrastructure
- ***Project addresses intercommunity drainage issues***
- Project addresses erosion and sedimentation issues
- ***Project will address multiple Commission goals (e.g., water quality, runoff volume, aesthetics, wildlife habitat, recreation, etc.)***
- ***Subwatershed draining to project includes more than one community***
- ***Addresses significant infrastructure or property damage concerns***

The BCWMC will place a higher priority on projects that incorporate multiple benefits, and will seek opportunities to incorporate multiple benefits into BCWMC projects, as opportunities allow.

The Medley Park Stormwater Treatment Facility meets multiple gatekeeper criteria— the project addresses flooding concerns and the project will improve water quality by reducing the amount of sediment and pollutants that reach Medicine Lake. Additionally, this project will address intercommunity drainage concerns, multiple communities (the Cities of Golden Valley and New Hope) are within the project’s subwatershed, and the project will address multiple Commission goals by capturing increased

---

runoff volume, enhancing water quality, providing recreation opportunities, and improving wildlife habitat.

## 1.5 Project impacts and estimated costs

Potential impacts of the proposed project (increasing the flood storage and water quality treatment volumes of Medley Pond and developing a water quality BMP in the existing Medley Park area) are summarized in Table 1-1.

Of the project impacts, one of the most significant considerations is the development of the flood storage volume, the impact on flood elevations in surrounding areas, and the reduction in the number of structures at-risk of flooding. One of the main purposes of the project is to lower the flood depths on the roads in the subdivision south of the park and to protect structures around this area. The XP-SWMM results for this project indicate that for the 50-year, 24-hour recurrence interval the flood depth on the low point on Kings Valley Road is reduced from 3.3 feet to 2.7 – 3.0 feet, depending on the concept. For the 100-year, 24-hour flood event, the flood depth on Kings Valley Road is reduced from 4.0 feet to 3.5 – 3.7 feet, depending on the concept. Reductions in flood elevations can translate to structures no longer being at-risk of flooding. For the three concepts, 5 – 6 structures are expected to be removed from the at-risk properties list for the 25-year, 24-hour event, 4 – 5 structures for the 50-year, 24-hour event, and 3 structures for the 100-year, 24-hour event.

Of the project impacts, a second significant consideration is the improvement of water quality to downstream Medicine Lake. The proposed project will result in increased permanent pool volume and sediment storage volume in the new stormwater ponds and the expanded Medley Pond footprint and, therefore, reduce sediment and particulate phosphorus loading to all downstream water bodies, including Medicine Lake. Concepts 1 and 2 also include the construction of biofiltration basins, which will help to remove particulate and dissolved pollutants, such as dissolved phosphorus, through sorption to the soil and intake by plants. Dissolved inorganic phosphorus is the form directly used for photosynthesis. Other forms of phosphorus must be transformed before becoming useful for photosynthesis. Therefore, by removing dissolved inorganic phosphorus from stormwater runoff through biofiltration, less is available for algae and plants to grow in downstream waterbodies. Section 6.0 presents estimates of existing pollutant loadings. The estimated increase in total phosphorus removal ranges from approximately 14.0 pounds per year (Concept 1) to 18.6 pounds per year (Concept 2). The estimated increase in dissolved phosphorus removal ranges from 1.2 pounds per year (Concept 1) to 6.3 pounds per year (Concept 2). Dissolved phosphorus is not removed in Concept 3 because the proposed design only includes the construction of stormwater ponds and no biofiltration basins.

To develop the flood storage and water quality volumes, tree removals within the project disturbance/grading limits will be required. Because the project area is in a park and is a popular walking area, community resistance to tree removal is a concern. Wetland and upland restoration, including planting of new trees and shrubs, will occur in all areas disturbed by construction, and many existing trees will be preserved in key areas, such as on the west side of Medley Pond.

---

The feasibility-level opinion of costs for implementing the various concepts for the 2022-2023 Medley Park Stormwater Treatment Facility Project are present in Table 1-1. This table also lists the 30-year annualized total phosphorus reduction costs and the project costs per acre foot of flood mitigation volume developed.

For a complete summary of the estimated impacts, permitting requirements, disposal of contaminated sediment, closure of pedestrian trails, and costs of the concepts, including the methodology and assumptions used for the cost estimate, refer to Section 6.0, Section 7.0, and Table 6-1.

---

## 1.6 Recommendations

Based on review of the project impacts for each of the three concepts, the overall project costs, feedback from BCMWC staff, the City of Golden Valley, and residents during the public engagement efforts, the BCWMC Engineer recommends implementation of Concept 3, which best balances the development of flood mitigation volume with water quality treatment.

Concept 3 creates approximately 8.3 acre-feet of additional flood storage for the 100-year, 24-hour flood frequency event, which reduces the 100-year, 24-hour maximum water surface elevations by 0.5 feet within Medley Park and the downstream Kings Valley Pond (ML-2). This reduction in flood elevation removes three structures from being at-risk of flooding for the 100-year, 24-hour storm event. For the 25-year, 24-hour storm event, the maximum water surface elevations within Medley Park and on Kings Valley Pond are reduced by 0.6 feet, which removes six structures from being at-risk of flooding for the 25-year, 24-hour event.

Reducing the maximum water surface elevations of Medley Pond and the Kings Valley Pond during larger storm events also results in reduced road flooding depths near the Kings Valley Townhomes. For the 100-year, 24-hour storm event, the maximum flood depth at the low point on Kings Valley Road is reduced from approximately 4.0 feet to 3.5 feet. For the 50-year, 24-hour storm event, the maximum flood depth at the low point is reduced from approximately 3.3 feet to 2.7 feet. For the 25-year, 24-hour storm event, the maximum flood depth is reduced from approximately 2.5 feet to 1.9 feet.

Concept 3 also increases the phosphorus load reduction by 17.0 pounds per year and restores 0.6 acres of wetland and 0.6 acres of upland, prairie habitat. Disturbed trails would be replaced with a looped ADA paved trail to provide active recreation and habitat viewing opportunities for park users and to provide maintenance access.

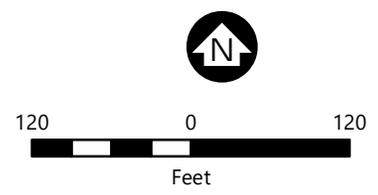
The planning level estimated cost for Concept 3 is \$1.8 million (-20%/+30%). The revised BCWMC CIP budget for this project is \$1.5 million (originally \$500,000, but updated March 2021). The BCWMC CIP funding (ad valorem tax levied by Hennepin County on behalf of the BCWMC), is not the sole source of funding for this project. The remainder of the funding may come from a variety of sources, including the City of Golden Valley and other sources (e.g. other grants, as appropriate). The City of Golden Valley may have up to \$500,000 in funds available for use on this project. The exact amount will be determined during final design.

**Table 1-1 Medley Park Stormwater Treatment Facility Impacts Summary**

Category	Item	Existing Conditions	Concept 1	Concept 2	Concept 3
Flood Mitigation	Increase in Flood Mitigation Volume (ac-ft)	--	5.3	6	8.3
	# of Potentially At-Risk Structures (25-year)	6	1	1	0
	# of Potentially At-Risk Structures (50-year)	15	11	11	10
	# of Potentially At-Risk Structures (100-year)	20	17	17	17
Water Quality	Additional Water Quality Treatment Volume (ac-ft)	--	2.8	2.7	4.3
	Increase in Total Phosphorus Removal (lbs/yr)	--	14	18.6	17
	Dissolved Phosphorus Removal (lbs/yr)	0	1.2	6.3	0
Restoration	Number of Trees Removed	-	7	7	7
	Restored Wetland Area (ac)	--	0.56	0.69	0.56
	Restored Prairie Area (ac)	--	0.85	0.49	0.56
Project Costs	Feasibility Level Opinion of Cost	--	\$1,848,000	\$2,137,000	\$1,845,000
	Cost per Acre-Ft of Flood Mitigation Volume	--	\$349,000	\$356,000	\$222,000
	Annualized Cost per Pound of Total Phosphorus Removed (Water Quality Treatment)	--	\$5,900	\$4,500	\$3,500

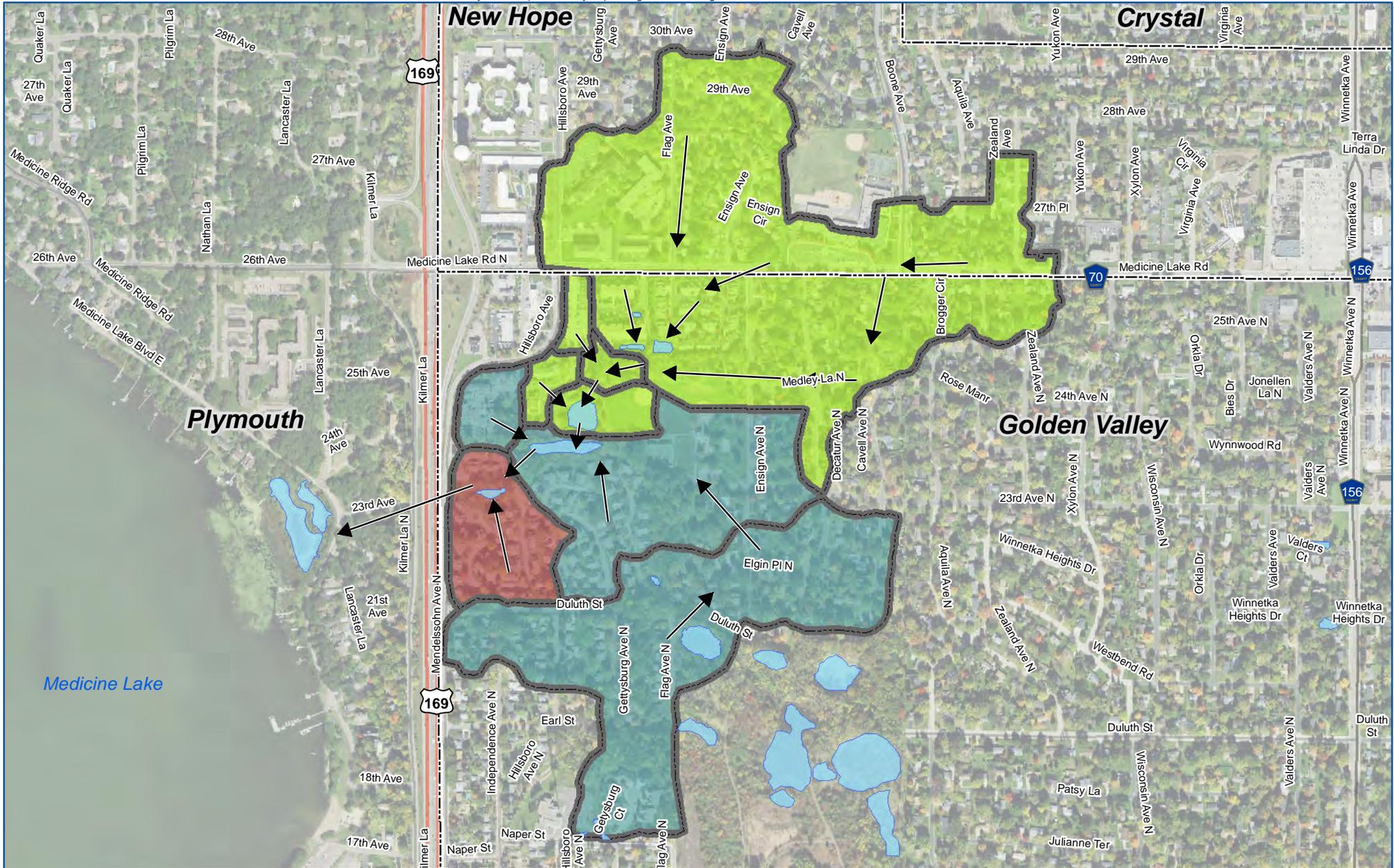


- Proposed Project Boundary
- Hennepin County Parcels
- Storm Sewer Pipe
- Watermain
- Sanitary Sewer Main
- Existing Contours**
- 10-foot contour
- 2-foot contour



MEDLEY PARK PROJECT AREA

FIGURE 2-1



Flow Direction

Ponds and Wetlands

Municipality

Subwatersheds

**Medley Pond**  
 Direct WS = 95 ac  
 Total WS = 95 ac

**King's Valley Pond (ML-02)**  
 Direct WS = 77 ac  
 Total WS = 172 ac

**ML-03**  
 Direct WS = 11 ac  
 Total WS = 183 ac

0 500 1,000  
Feet

**MEDLEY PARK  
 WATERSHED AREAS**  
 Cities of Golden Valley  
 and New Hope  
FIGURE 2-2



	Proposed Project Boundary	Storm Sewer Pipe	<b>Surveyed Trees</b>	<b>Delineated Wetlands</b>
	Hennepin County Parcels	Watermain	Significant Coniferous	PEMC
	Soil Boring Locations	Sanitary Sewer Main	Significant Hardwood	PUBGx
	Sediment Sampling Locations		Significant Softwood	<b>Existing Contours</b>
			10-foot contour	120
			2-foot contour	0
				120

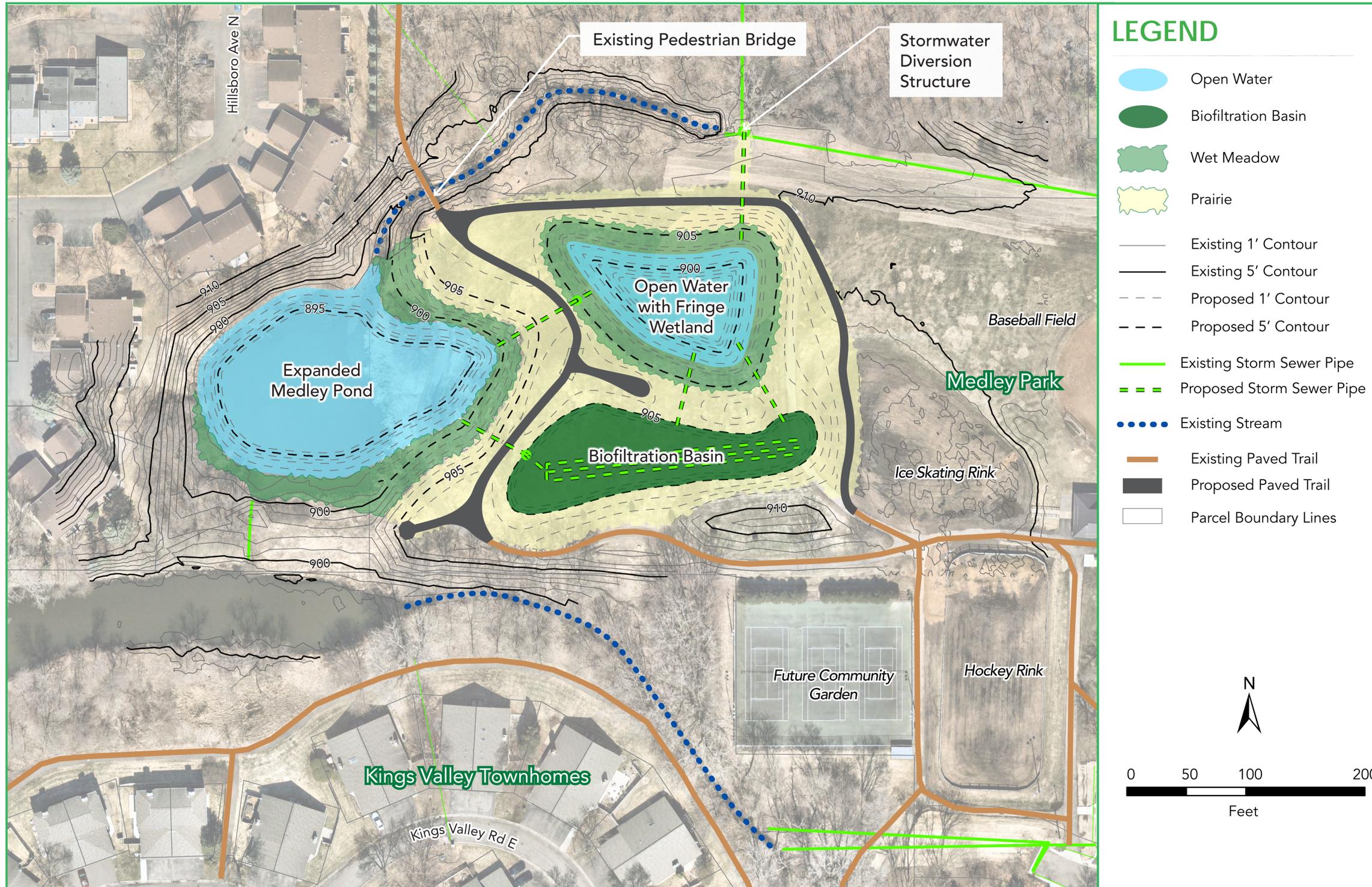
Feet

**MEDLEY PARK  
SITE CONDITIONS**

FIGURE 3-3

# Concept 1

Estimated Cost = \$1.8 million



## LEGEND

- Open Water
- Biofiltration Basin
- Wet Meadow
- Prairie
- Existing 1' Contour
- Existing 5' Contour
- Proposed 1' Contour
- Proposed 5' Contour
- Existing Storm Sewer Pipe
- Proposed Storm Sewer Pipe
- Existing Stream
- Existing Paved Trail
- Proposed Paved Trail
- Parcel Boundary Lines

## Concept Summary

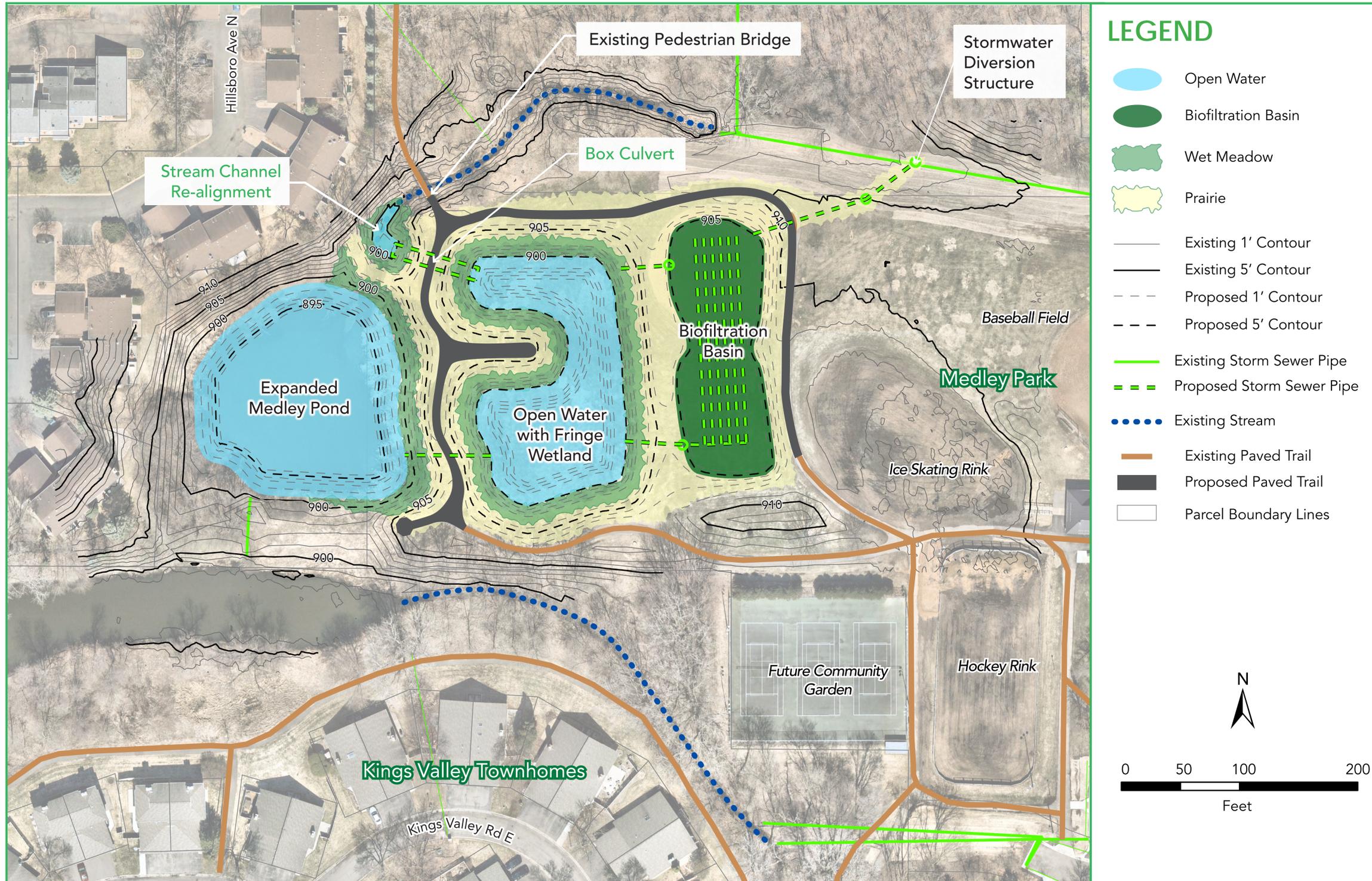
- Additional Flood Storage Created:**  
5.3 acre-feet
- Improved Water Quality:**  
Additional 14.0 lbs/yr phosphorus removed (1.2/lbs/yr dissolved phosphorus)
- Restored Wetland and Prairie habitat:**  
1.4 acres total
- Open Water Area:**  
0.9 acres total
- Tree Removal Estimate**  
7 trees total
- At-Risk Flooded Structures (existing/proposed):**  

25-yr	50-yr	100-yr
6/1	15/11	20/17

Figure 5.1

# Concept 2

Estimated Cost = \$2.1 Million



## LEGEND

- Open Water
- Biofiltration Basin
- Wet Meadow
- Prairie
- Existing 1' Contour
- Existing 5' Contour
- Proposed 1' Contour
- Proposed 5' Contour
- Existing Storm Sewer Pipe
- Proposed Storm Sewer Pipe
- Existing Stream
- Existing Paved Trail
- Proposed Paved Trail
- Parcel Boundary Lines

## Concept Summary

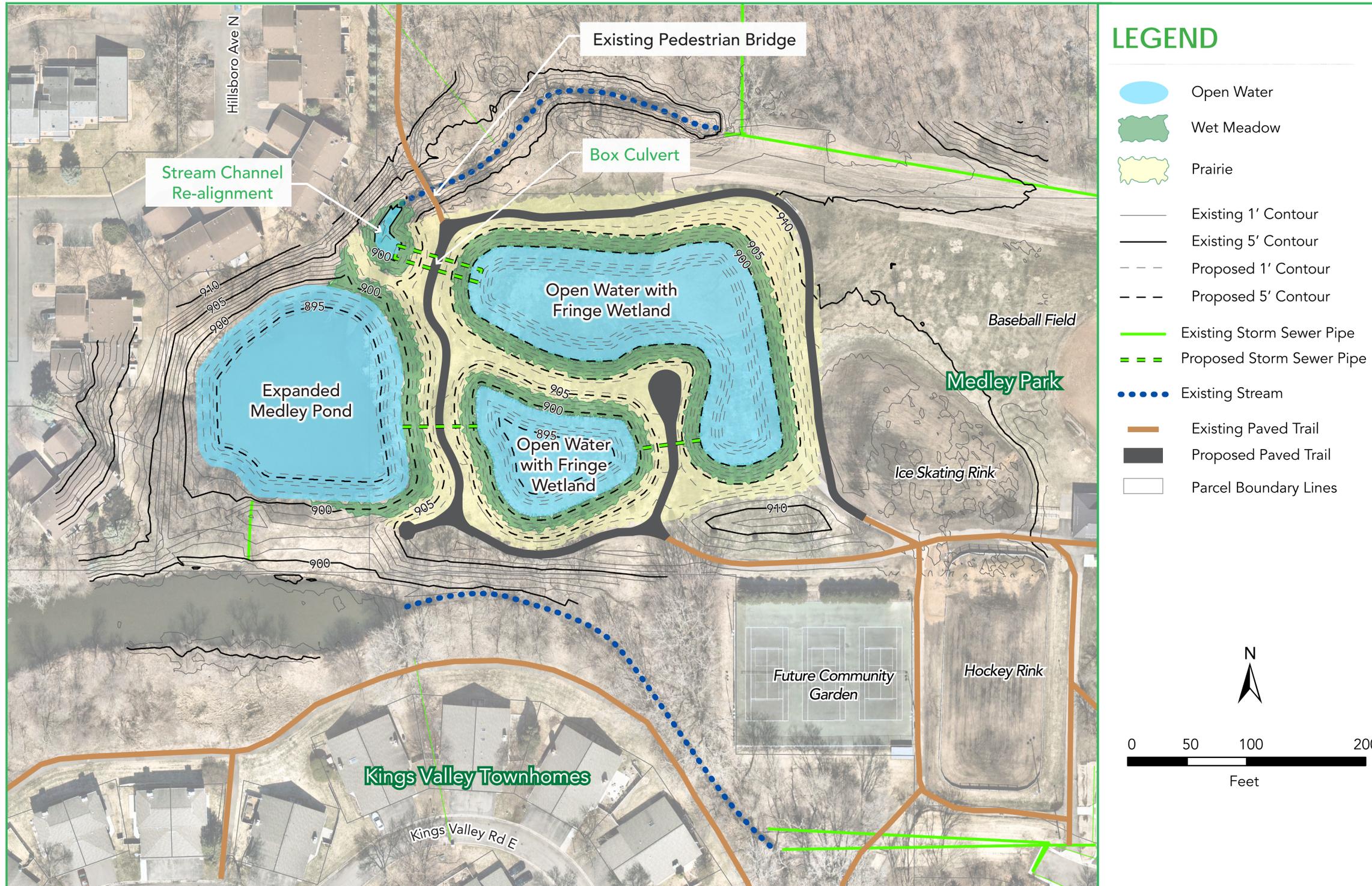
- Additional Flood Storage Created:**  
6.0 acre-feet
- Improved Water Quality:**  
Additional 18.6 lbs/yr phosphorus removed (6.3/lbs/yr dissolved phosphorus)
- Restored Wetland and Prairie habitat:**  
1.2 acres total
- Open Water Area:**  
1.0 acres total
- Tree Removal Estimate**  
7 trees total
- At-Risk Flooded Structures (existing/proposed):**

25-yr	50-yr	100-yr
6/1	15/11	20/17

Figure 5.2

# Concept 3

Estimated Cost = \$1.8 Million



## LEGEND

- Open Water
- Wet Meadow
- Prairie
- Existing 1' Contour
- Existing 5' Contour
- Proposed 1' Contour
- Proposed 5' Contour
- Existing Storm Sewer Pipe
- Proposed Storm Sewer Pipe
- Existing Stream
- Existing Paved Trail
- Proposed Paved Trail
- Parcel Boundary Lines

## Concept Summary

- Additional Flood Storage Created:**  
8.3 acre-feet
- Improved Water Quality:**  
Additional 17.0 lbs/yr phosphorus removed  
(0.0/lbs/yr dissolved phosphorus)
- Restored Wetland and Prairie habitat:**  
1.1 acres total
- Open Water Area:**  
1.5 acres total
- Tree Removal Estimate**  
7 trees total
- At-Risk Flooded Structures (existing/proposed):**

25-yr	50-yr	100-yr
6/0	15/10	20/17

Figure 5.3

**Table 6-1 Medley Park Improvement Project Concept Matrix Summary**

Category	Item	Existing Conditions	Concept 1	Concept 2	Concept 3
Outlet Modifications	Normal Water Level (NWL)	898.57	898.57	898.57	898.57
	Overflow Elevation (Medley Pond)	902.5	902.5	902.5	902.5
Flood Mitigation	Total Flood Mitigation Volume (ac-ft) in Medley Park	13	18.3	19	21.3
	Increase in Flood Mitigation Volume (ac-ft)	--	5.3	6	8.3
	25-year Flood Elevation in Medley Park	907.0	906.7	906.7	906.4
	25-year Flood Elevation in King's Valley Pond	907.0	906.7	906.7	906.4
	# of Potentially At-Risk Structures (25-year)	6	1	1	0
	50-year Flood Elevation in Medley Park	907.8	907.5	907.5	907.2
	50-year Flood Elevation in King's Valley Pond	907.8	907.5	907.5	907.2
	# of Potentially At-Risk Structures (50-year)	15	11	11	10
	100-year Flood Elevation in Medley Park	908.5	908.2	908.2	908.0
	100-year Flood Elevation in King's Valley Pond	908.5	908.2	908.2	908.0
	Depth of Flooding at King's Valley Road Low-Point (100-year)	4.0	3.7	3.7	3.5
	# of Potentially At-Risk Structures (100-year)	20	17	17	17
Water Quality	Open Water Surface Area (ac) in Medley Park	0.46	0.94	1.04	1.47
	Increase in Open Water Surface Area (ac) in Medley Park	--	0.48	0.58	1.01
	Total Water Quality Treatment Volume (Permanent Pool + Filtration) (ac-ft)	0.3	3.2	3.0	4.6
	Additional Water Quality Treatment Volume (ac-ft)	--	2.8	2.7	4.3
	Total Phosphorus Removal (lbs/yr)	12.4	26.4	31	29.4
	Increase in Total Phosphorus Removal (lbs/yr)	--	14	18.6	17
	Dissolved Phosphorus Removal (lbs/yr)	0	1.2	6.3	0
	Accumulated Sediment Removal Volume in Medley Pond (Cu. Yd.)	--	1500	1500	1500
Trails	Length of Trail to be Removed (ft)	--	530	270	530
	Length of Constructed Paved Trail (ft)	--	915	650	967
Restoration	Number of Trees Removed	-	7	7	7
	Restored Wetland Area (ac)	--	0.56	0.69	0.56
	Restored Prairie Area (ac)	--	0.85	0.49	0.56
Project Costs	Feasibility Level Opinion of Cost	--	\$1,848,000	\$2,137,000	\$1,845,000
	Feasibility Level Opinion of Cost Range (-20% to +30%)	--	\$1,479,000 to \$2,403,000	\$1,710,000 to \$2,779,000	\$1,476,000 to \$2,399,000
	30-Year Annualized Cost Estimate	--	\$121,000	\$138,000	\$122,000
	Cost per Acre-Ft of Flood Mitigation Volume	--	\$349,000	\$356,000	\$222,000
	Annualized Cost per Pound of Total Phosphorus Removed (Total Project)	--	\$8,600	\$7,400	\$7,200
	Annualized Cost per Pound of Total Phosphorus Removed (Water Quality Treatment)	--	\$5,900	\$4,500	\$3,500

# SEA School-Wildwood Park Flood Storage Project Feasibility Study

*Golden Valley, Minnesota*

May 2021 DRAFT



Prepared for  
Bassett Creek Watershed Management Commission



# SEA School-Wildwood Park Flood Storage Project Feasibility Study

May 2021 DRAFT

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# 1.0 Executive summary

## 1.1 Background

The Bassett Creek Watershed Management Commission's (BCWMC) current Capital Improvement Program (CIP) (Table 5-3 in the 2015-2025 Bassett Creek Watershed Management Plan, as revised) includes BC-2, 3, 8, 10: Medicine Lake Road and Winnetka Avenue Area Long-Term Flood Mitigation Plan (MLRWA Plan) Project. The second phase of this CIP project is the SEA School-Wildwood Park Flood Storage Project (BC-10), the subject of this feasibility study. At the August 2020 meeting the Commission approved the BCWMC Engineer's proposal to conduct a feasibility study for this project.

The SEA School-Wildwood Park Flood Storage Project builds on the City of Golden Valley's Liberty Crossing flood mitigation and conveyance project that was completed in 2017 and the DeCola Ponds B & C flood mitigation project that was completed in spring 2020 in collaboration with the BCWMC. Both of these previous projects were implemented as recommended in the Medicine Lake Road and Winnetka Avenue Area Long-Term Flood Mitigation Plan Report (Barr, 2016). The City of Golden Valley city council is also supportive of the SEA School-Wildwood Park flood mitigation study (and the larger long-term flood mitigation plan) with the flood mitigation projects identified in the plan being included in the City of Golden Valley's CIP and in the City's 2021 Legislative Priorities. In 2020, the City of Golden Valley conducted a planning-level study for the SEA School-Wildwood Park flood mitigation study to begin stakeholder and public engagement efforts early to inform the direction of the concepts.

As is required for BCWMC CIP Projects, a feasibility study must be completed prior to BCWMC holding a hearing and ordering the project. This study examines the feasibility of developing flood storage volumes within Wildwood Park and on the adjacent School of Engineering & Arts (SEA school) property, developing additional water quality treatment volume, modifying existing storm sewer on Duluth Street, and modifying the existing storm sewer between DeCola Ponds D and E. The goal of the project is to reduce flooding on DeCola Ponds D, E, and F and to improve water quality by trapping additional sediment and pollutants in open water or filtration basins and expanded storage areas, thus minimizing sediment and nutrients passing downstream to Bassett Creek. The proposed project will also improve ecology and wildlife habitat, enhance active and passive recreation opportunities, and provide educational opportunities.

Three conceptual flood mitigation designs were investigated during this feasibility study. The first conceptual design examined a scenario utilizing subsurface storage with a permanent pool for water quality treatment and a meandering stream, wet meadows, and prairie habitat for flood storage. The second conceptual design incorporates a wet retention pond for water quality treatment and wet meadows, prairie habitat, and depressed turf areas for flood storage. The third conceptual design examined the benefits of iron enhanced biofiltration for water quality treatment and a combination of wet meadows, prairie habitat, and depressed turf areas for flood storage. Permitting requirements for each conceptual design were reviewed and cost estimates are provided.

The proposed SEA School-Wildwood Park Flood Storage Project was identified as a priority in the MLRWA Plan and is proposed as "Phase 2" of this CIP project to mitigate flooding and improve water quality in the

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Medicine Lake Road and DeCola Ponds area. If ordered, the CIP calls for implementing the project in 2022 and 2023. The BCWMC CIP funding (ad valorem tax levied by Hennepin County on behalf of the BCWMC), is not the sole source of funding for this project. The remainder of the funding will come from a variety of sources, including the City of Golden Valley, Hennepin County, Minnesota Department of Natural Resources (MnDNR) Flood Damage Reduction Grant program, and other sources (e.g. other grants, as appropriate).

## 1.2 Site conditions

The SEA School and Wildwood Park are located in the City of Golden Valley south of Duluth Street and west of Kelly Drive. This area consists of deciduous forest, a wooded knoll, turfed green space, paved walking trails, and various sporting facilities (e.g., pickleball courts, playground) (Figure 2-1). The park is used heavily by the single family and multi-family residential communities surrounding the area. The SEA School students and teachers also utilize the park for the outdoor playground and for outdoor learning activities. As part of the City of Golden Valley's SEA School-Wildwood Park Planning Study completed in 2020, city staff engaged with facilities and teaching staff at the SEA school. The SEA School administrators support the flood storage project.

Modifications of the storm sewer between DeCola Ponds D and E are also included as part of this study. The existing storm sewer between DeCola Ponds D and E is located under Winnetka Heights Drive and between existing residential parcels. DeCola Ponds D and E are not listed as MnDNR public waters. Modifications to the storm sewer are not anticipated to have an impact on the normal water levels (NWLs) of DeCola Pond D or E. Adequate drainage easements already exist on the residential parcels on the south end of DeCola Pond D and the north end of DeCola Pond E for the storm sewer modifications. A temporary easement is anticipated for this outlet modification.

DeCola Ponds D and E discharge downstream to DeCola Pond F, which continues to Honeywell Pond and ultimately discharges to Bassett Creek. Currently, stormwater runoff from the SEA School-Wildwood Park parcels discharge either to DeCola Pond E or through storm sewer to Honeywell Pond. Any improvements to runoff water quality within the SEA School-Wildwood Park areas will result in improvements to the Main Stem of Bassett Creek which is currently listed as impaired. The affected use is aquatic life based on fish bioassessments, and although a stressor identification study has not been completed to determine the exact cause of this impairment, reductions in sediment and pollutant loads to the creek can likely help address this impairment.

As part of this study, wetland delineations on the SEA School/Wildwood Park properties and around DeCola Ponds D and E were completed. Topographic and tree surveys were also completed. Furthermore, desktop reviews of cultural resources, threatened and endangered species databases, and environmental databases were finalized. The results of these studies were utilized as much as applicable to define the conceptual designs and quantify impacts for this feasibility study. This information can be found in Section 3.1.

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## 1.3 Project alternatives

The BCWMC Engineer evaluated three conceptual designs for developing flood storage volume within the SEA School and Wildwood Park properties. All three concepts incorporated various configurations of wet meadows, depressed turf, and prairie habitats to provide flood storage. The method used for water quality treatment varied between each concept. Concept 1 investigates the use of subsurface storage with a permanent pool to capture sediment and particulate contaminants. Concept 2 incorporates an open water retention pond to improve water quality and Concept 3 utilizes a biofiltration basin with iron enhance sand filtration (IESF) trenches to help remove particulate and dissolved contaminants.

In addition to expanding flood storage within varying footprints within the project area and providing various best management practices (BMPs) for water quality improvement, measures considered for potential implementation in all scenarios included the following:

- Re-aligning the SEA School Driveway so that the intersection aligns with Maryland Avenue North. This allows for additional flood storage volume to extend from Wildwood Park onto the SEA School property.
- Diverting the majority of stormwater runoff that currently discharges to the south end of DeCola Pond E to discharge into the proposed storage in Wildwood Park (modifying storm sewer on Duluth Street).
- Increasing the existing storm sewer between DeCola Ponds D and E to a 48"-diameter pipe to reduce flood levels.
- Restoring areas that are frequently inundated ( $\leq$  2-year Atlas-14 event) as wetland habitats. All areas outside of this will be restored as prairie habitat or turfed habitat.
- Preserving trees on the large knoll in Wildwood Park. Some tree removal is expected within project area. However, upland areas will be restored with native vegetation and replanted with trees at a density potentially ranging from savanna (~35 trees/acre) to forest (~110 trees/acre) – to be determined during final design.
- Relocating the SEA School orchard trees.
- Replacing disturbed trails that may be impacted during construction with ADA-compliant trails to preserve park use, improve walking trail opportunities, and provide maintenance access.
- Protecting existing, highly used park infrastructure within the project area, such as the pickleball courts, the playground, and the sledding hill.

The alternatives are discussed in more detail in Sections 5.0 and 6.0.

## 1.4 Relationship to Watershed Management Plan

The BCWMC included the SEA School-Wildwood Park Flood Storage Project in its CIP, based on the following "gatekeeper" policy from the BCWMC Plan. Those items in bold italics represent those that directly apply to this project.

110. The BCWMC will consider including projects in the CIP that meet one or more of the following “gatekeeper” criteria.

- Project is part of the BCWMC trunk system (see Section 2.8.1, Figure 2-14 and Figure 2-15 of the report)
- **Project improves or protects water quality in a priority waterbody**
- Project addresses an approved TMDL or watershed restoration and protection strategy (WRAPS)
- **Project addresses flooding concern**

The BCWMC will use the following criteria, in addition to those listed above, to aid in the prioritization of projects:

- Project protects or restores previous Commission investments in infrastructure
- **Project addresses intercommunity drainage issues**
- Project addresses erosion and sedimentation issues
- **Project will address multiple Commission goals (e.g., water quality, runoff volume, aesthetics, wildlife habitat, recreation, etc.)**
- **Subwatershed draining to project includes more than one community**
- **Addresses significant infrastructure or property damage concerns**

The BCWMC will place a higher priority on projects that incorporate multiple benefits, and will seek opportunities to incorporate multiple benefits into BCWMC projects, as opportunities allow.

The SEA School-Wildwood Park Flood Storage Project meets multiple gatekeeper criteria—the project addresses flooding concerns (main objective) and the project will improve water quality by reducing the amount of sediment and pollutants that reach Bassett Creek. Additionally, this project will address intercommunity drainage concerns as multiple communities (the Cities of Golden Valley, Crystal, and New Hope) are within the project’s subwatershed. In addition to meeting “gatekeeper” criteria, the project will address multiple Commission goals by capturing increased runoff volume, enhancing water quality, providing recreation opportunities, and improving wildlife habitat.

## 1.5 Project impacts and estimated costs

Potential impacts of the proposed project (increasing the flood storage and water quality treatment volumes within SEA School/Wildwood Park and increasing the storm sewer size between DeCola Ponds D and E) are summarized in Table 1-1.

Of the project impacts, the most significant consideration is the creation of additional flood storage volume, the impact on flood elevations, and reductions in the number of structures at risk of flooding. One of the main purposes of the proposed SEA School-Wildwood Park Flood Storage Project is to lower the flood depths on DeCola Ponds D, E, and F to protect structures around this area. The SEA School-

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Wildwood Park Flood Storage Project would build on the Liberty Crossing and DeCola Ponds B & C Flood Mitigation Projects implemented by the City of Golden Valley and the BCWMC. These projects helped to lower the 100-year flood elevations on the Medicine Lake Road to allow the safe passage of emergency vehicles and reduced the number of structures at-risk of flooding around DeCola Ponds A, B, and C, along Medicine Lake Road, and within Rosalyn Court.

The proposed feasibility concept designs for the SEA School-Wildwood Park Flood Storage Project aim to improve upon the flood reductions resulting from the Liberty Crossing and DeCola Ponds B & C Flood Mitigation Projects. This project will focus on reducing flood elevations specifically on the downstream DeCola Ponds D, E, and F. The XP-SWMM hydrologic modeling results for this project indicate that for all three concepts, all ten structures are expected to no longer be at-risk of flooding during the 100-year event on DeCola Pond D. For DeCola Ponds E and F, three structures are removed from being at-risk for the 10-year and 25-year storm events. While reductions in the 50-year and 100-year flood elevations (-0.1 to -0.3 feet, respectively) on DeCola Ponds E and F are anticipated, the reductions in flood elevations do not result in a reduction the number of at-risk structures for these larger storm events. A future project identified in the Medicine Lake Road and Winnetka Avenue Long Term Flood mitigation plan (and included in the BCWMC CIP) is intended to have a more significant impact on flood reductions on DeCola Ponds E & F. That project is included under CIP #BC-10 and is slated to have a feasibility study completed in 2023 and if approved, constructed in 2025-2026.

For Concepts 1 and 2, the proposed projects will result in increased permanent pool volume and sediment storage volume on the Wildwood Park property, therefore, reducing sediment and particulate phosphorus loading to the main stem of Bassett Creek and all downstream water bodies, including the Mississippi River. For Concept 3, the proposed project will result in the inclusion of a biofiltration basin with iron-enhanced sand filtration (IESF) trenches on the Wildwood Park property, therefore, reducing sediment and particulate and dissolved phosphorus loading to downstream features. Section 6.0 presents estimates of existing pollutant loadings. It's estimated this project would remove an additional 1.6 to 4.1 pounds per year, depending on the concept.

To develop the flood storage volume, some tree removals within the project area will be required. Because a portion of the project area is within a public park and is a popular walking area, community resistance to tree removal is a concern. Wetland and upland restoration, including planting of new trees and shrubs, will occur in all areas disturbed by construction, and many existing trees will be preserved in key areas, such as the wooded knoll within Wildwood Park. The City of Golden Valley Forester has also stated that some of the trees recently planted may be candidates for transplanting. The existing orchard on the SEA School property that is currently in the anticipated disturbance limits will be relocated under all concept scenarios.

Table 1-1 presents the feasibility-level opinion of costs for implementing the various concepts for the 2022-2023 SEA School-Wildwood Park Flood Storage Project. This table also lists the 30-year annualized total phosphorus reduction costs (based on the estimated cost of the water quality improvement work only) and the project costs per acre foot of flood mitigation volume created.

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The cost per pound of phosphorus removed for this project using the current P8 model analysis is high when compared to other BCWMC CIP projects—for example, previous high costs per pound of phosphorus removed for a BCWMC CIP project were \$5,900 for the Northwood Lake Improvement Project and \$9,600 for the DeCola Ponds B&C project. The high cost per pound of phosphorus removed for this project is due to the fact that the SEA School-Wildwood Park Flood Storage Project's primary goal is to mitigate flooding and to mitigate the water quality treatment lost from diverting stormwater away from DeCola Ponds E and F. A major portion of the construction costs are for the creation of flood storage volume, for the restoration of the graded areas, and for the mitigation of lost water quality from re-routing stormwater runoff rather than for water quality improvement. Concept 1 is particularly high because water quality improvement includes the installation of subsurface storage to achieve the water quality treatment.

The BCWMC CIP includes \$1.3 million for this project. Additional funding for this project will come from a DNR Flood Damage Reduction Grant, the city of Golden Valley, and other possible grants.

For a complete summary of the estimated impacts, permitting requirements, disposal of contaminated sediment, closure of pedestrian trails, and costs of the concepts, including the methodology and assumptions used for the cost estimate, refer to Section 6.0, Section 7.0, and Table 6-1.

Table 1-1 SEA School-Wildwood Park Flood Storage Impacts Summary

Category	Item	Existing Conditions	Concept 1: Underground Storage with Stream	Concept 2: Open Water	Concept 3: Wet Meadow
Flood Mitigation	Increase in Flood Mitigation Volume (ac-ft) (SEA School/Wildwood)	-	9.1	8.6	8.5
	# of Potentially At-Risk Structures (10-year)	9	6	6	6
	# of Potentially At-Risk Structures (100-year)	29	19	19	19
Water Quality	Increase in Water Quality Treatment Volume (ac-ft)	-	0.8	0.8	0.2
	Increase in Total Phosphorus Removal (lbs/yr)	-	1.6	1.8	4.1
Trees	Tree Removal Estimate SEA School/Wildwood Park	-	72	81	81
	Tree Removal Estimate between DeCola Ponds D and E	-	3	3	3
	# of Significant Trees Removed	110	48	57	57
	# of Orchard Trees Removed/Relocated	11	11	11	11
	Tree Planting Estimate	-	35 - 70	35 - 80	35 - 80
Restoration	Restored Wetland Area (ac)	-	0.6	0.3	0.8
	Restored Prairie Area (ac)	-	1.1	0.9	1.4
	Restored Turf Open Green Space (ac)	-	1.2	1.3	0.7
Project Costs	Feasibility Level Opinion of Cost	-	\$ 4.1 million	\$2.9 million	\$3.1 million
	Cost per Acre-Ft of Flood Mitigation Volume	-	\$451,900	\$329,800	\$360,000
	Annualized Cost per Pound of Total Phosphorus Removed (Water Quality Treatment)	-	\$53,200	\$5,700	\$5,900

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## 1.6 Recommendations

Although there is some variation in the flood mitigation volume between the three concepts (ranging from 8.5 to 9.1 acre-ft), the modeling demonstrated that the difference in the flood reduction in DeCola Ponds D, E, and F is minimal and does not change the number of structures at risk of flooding among the three concepts. Therefore, in terms of flood reduction benefits, Concepts 1, 2, and 3 perform equally.

Each of the concepts include opportunities to improve water quality and provide additional pollutant removal beyond the existing conditions. Concepts 1 and 2, which relied on wet retention for the removal of particulates, are estimated to remove 1.6 and 1.8 additional pounds of phosphorus per year, respectively. Concept 3, which relies on iron-enhanced sand filtration, is able to remove both particulate and dissolved total phosphorus and is estimated to remove an additional 4.1 pounds of total phosphorus per year.

Based on review of the project impacts and benefits for each of the three concepts, the overall project costs, and comments received from BCWMC staff, City of Golden Valley staff (e.g., Open Space and Recreation Commission, Environmental Commission), SEA School representatives, the neighborhood, park users, and the general public during the feasibility study process, the BCWMC Engineer recommends constructing Concept 3, with the following features with noted additional considerations during final design:

- Upsizing the outlet from DeCola Pond D with design and restoration in coordination with impacted property owners and City maintenance staff.
- Diverting runoff from Pennsylvania Ave and Duluth Street toward the water quality treatment and flood storage in the Wildwood Park/SEA School properties, including pretreatment of flows
- Providing an iron-enhanced sand filtration basin, considering a design that integrates vegetation/screening between the filtration trenches
- Developing approximately 8.5 acre-feet of flood storage, with an overflow berm and extended detention outlet in the northeast corner of the project area, discharging to the storm sewer system at the corner of Duluth Street and Kelly Drive
- Incorporating a low wet meadow habitat area, exploring opportunities to promote better drainage toward the proposed outlet
- Replacing disturbed trails with an accessible looped walking trail around the site that is above the ~10 year event elevation or higher to make the trail more accessible, reduce maintenance, and provide maintenance access to the stormwater features. Additionally, the trail alignments and design should consider an east-west trail connection from Kelly Drive to the park interior (i.e. the playground), should consider future access and space needs around the pickleball courts, and consider future safe routes to school alignments along Kelly Drive.
- Restoring a variety of habitat types and replanting trees, to mitigate tree loss and provide shade in specific locations

- 
- Realigning of the northern SEA School Driveway with Maryland Avenue, continuing to coordinate design with SEA School staff and evaluating specific items requested during final design. Also, phasing construction in this area to minimize impacts to SEA School access and operations.
  - Preserving key park features in including the pickleball courts, the playground area, the wooded knoll, the sledding hill, and open turf areas for various recreation activities and gathering (e.g. the northeast corner of the park).

The planning level cost for Concept 3 is \$3.1 million (-20%/+30%). The planning level budget that the BCWMC and the City of Golden Valley have been using for budgeting is \$2.7 – 3.0 million (-20%/+40%). The project will be funded by a variety of funding sources. The BCWMC proposes to use \$1.3 million of its CIP funds to help pay for the SEA School-Wildwood Park Flood Storage Project. The CIP funds are raised through an ad valorem tax levied by Hennepin County on behalf of the BCWMC. For this project, \$300,000 is proposed to be levied in 2022 and \$1 million levied in 2023.

To make up the difference, other sources of funding for this project are required and include:

- City of Golden Valley,
- MnDNR Flood Damage Reduction Grants (\$1.3 million through the state legislature/project bonding bill for this project),
- Other sources, including potential grants that could be applied for through the design process (e.g. Hennepin County Natural Resource Opportunity grants)

# Project Area

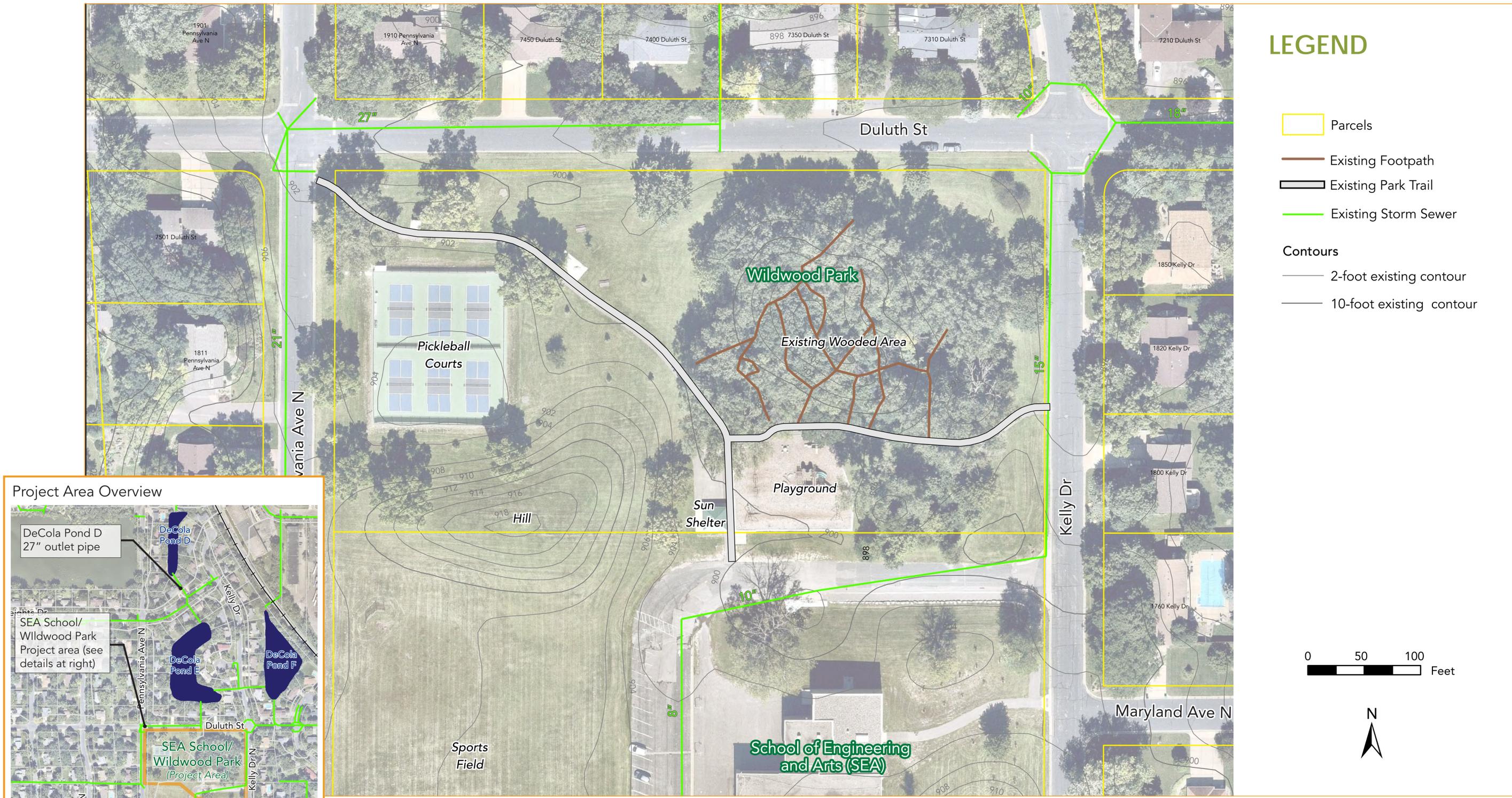
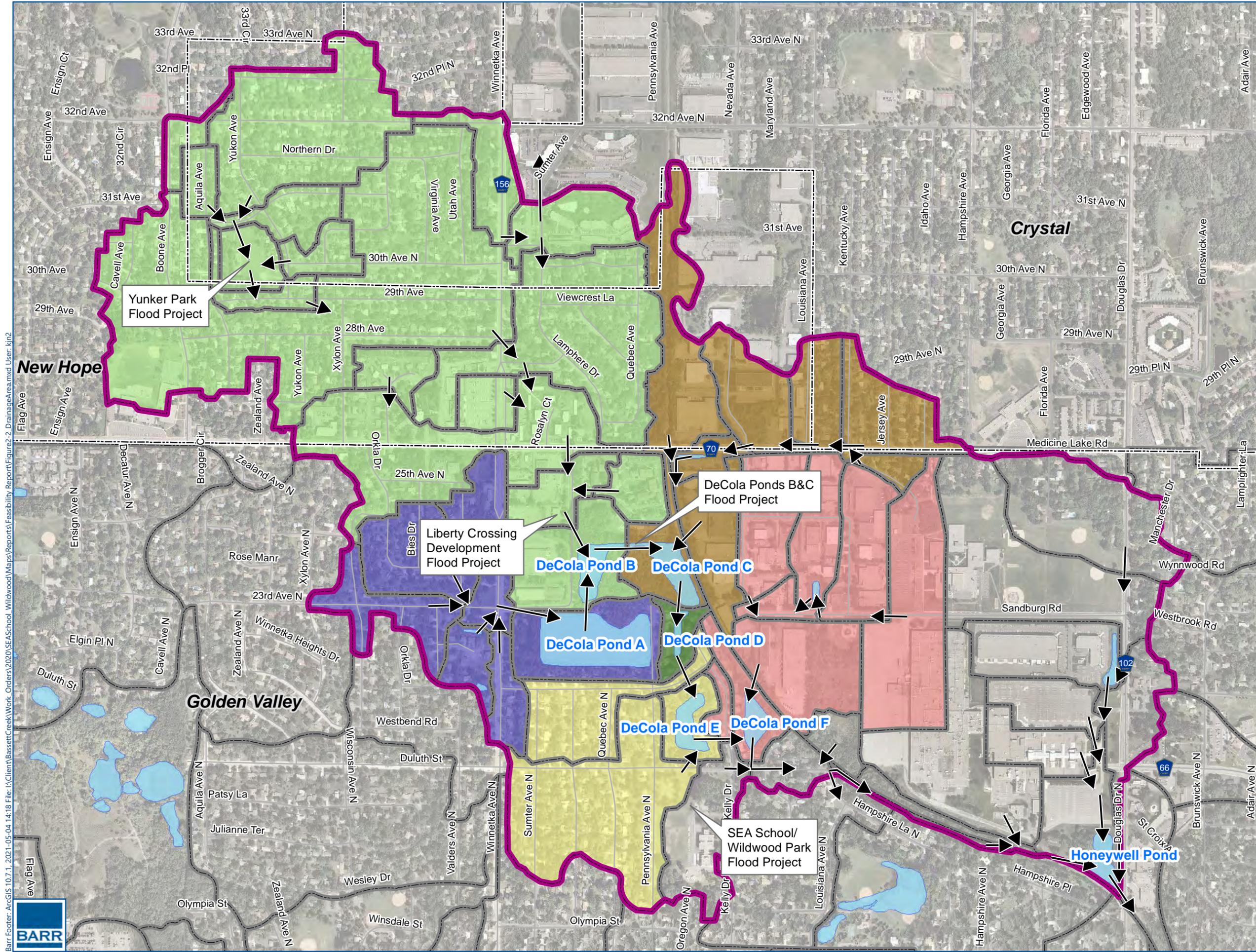
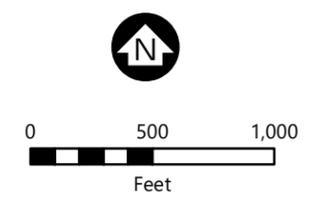


Figure 2-1



- Flow Direction
- Study Area
- Municipality
- Subwatersheds
- Streets
- Ponds and Wetlands
- Decola Pond A**  
Direct WS = 66 ac  
Total WS = 66 ac
- Decola Pond B**  
Direct WS = 306 ac  
Total WS = 372 ac
- Decola Pond C**  
Direct WS = 79 ac  
Total WS = 451 ac
- Decola Pond D**  
Direct WS = 4 ac  
Total WS = 455 ac
- Decola Pond E**  
Direct WS = 57 ac  
Total WS = 512 ac
- Decola Pond F**  
Direct WS = 93 ac  
Total WS = 605 ac



DECOLA PONDS  
WATERSHED AREAS  
Citi's of Golden Valley,  
New Hope, and Crystal  
**FIGURE 2-2**

Barr Footer: ArcGIS 10.7.1, 2021-05-04 14:18 File: I:\Client\BassettCreek\Work\_Orders\2020\SEASchool\_Wildwood\Maps\Reports\Fsability\Report\Figure2-2\_DrainageArea.mxd User: kin2



# Concept 1: Underground Storage with Stream

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

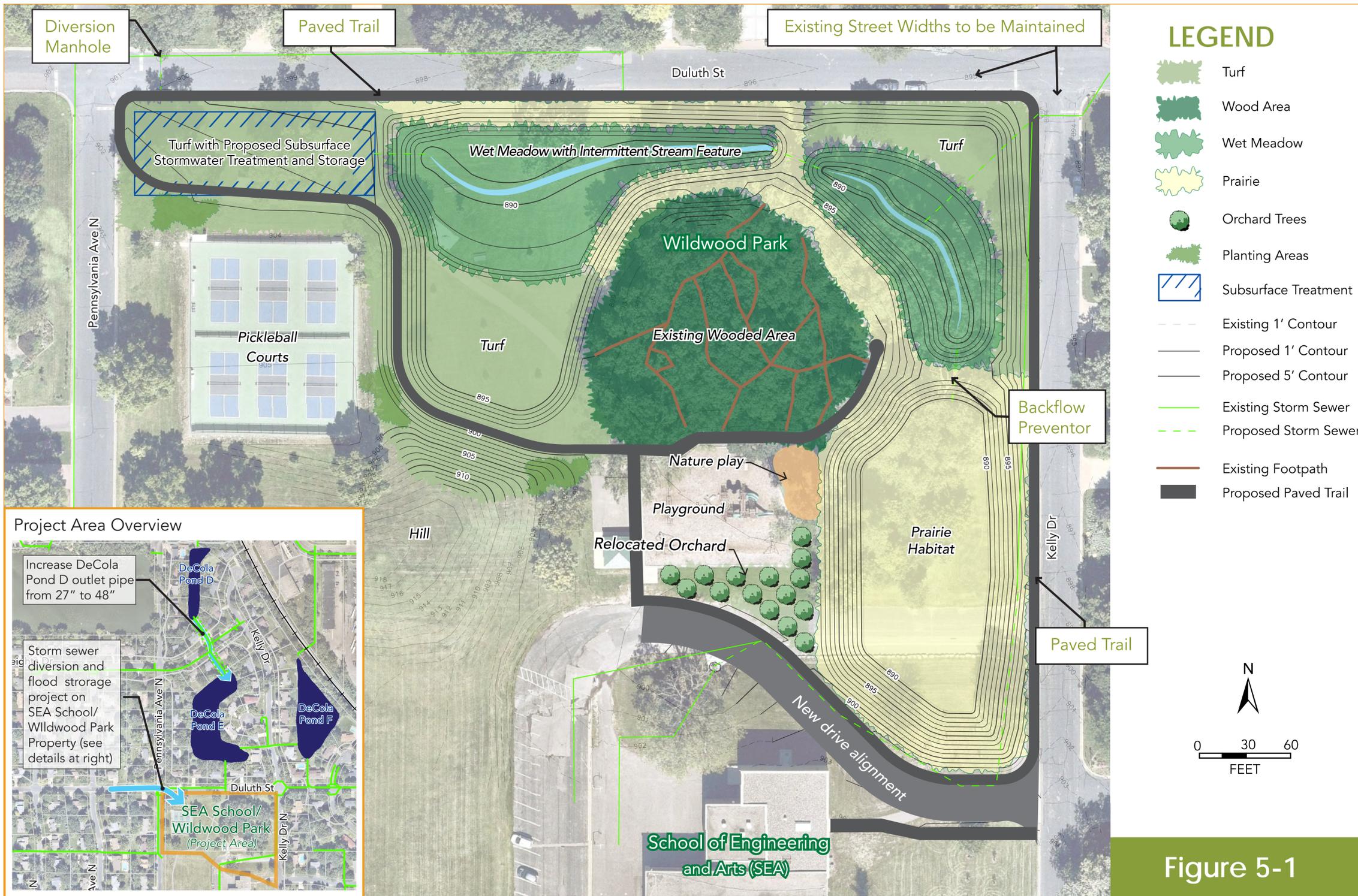


Figure 5-1

## 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

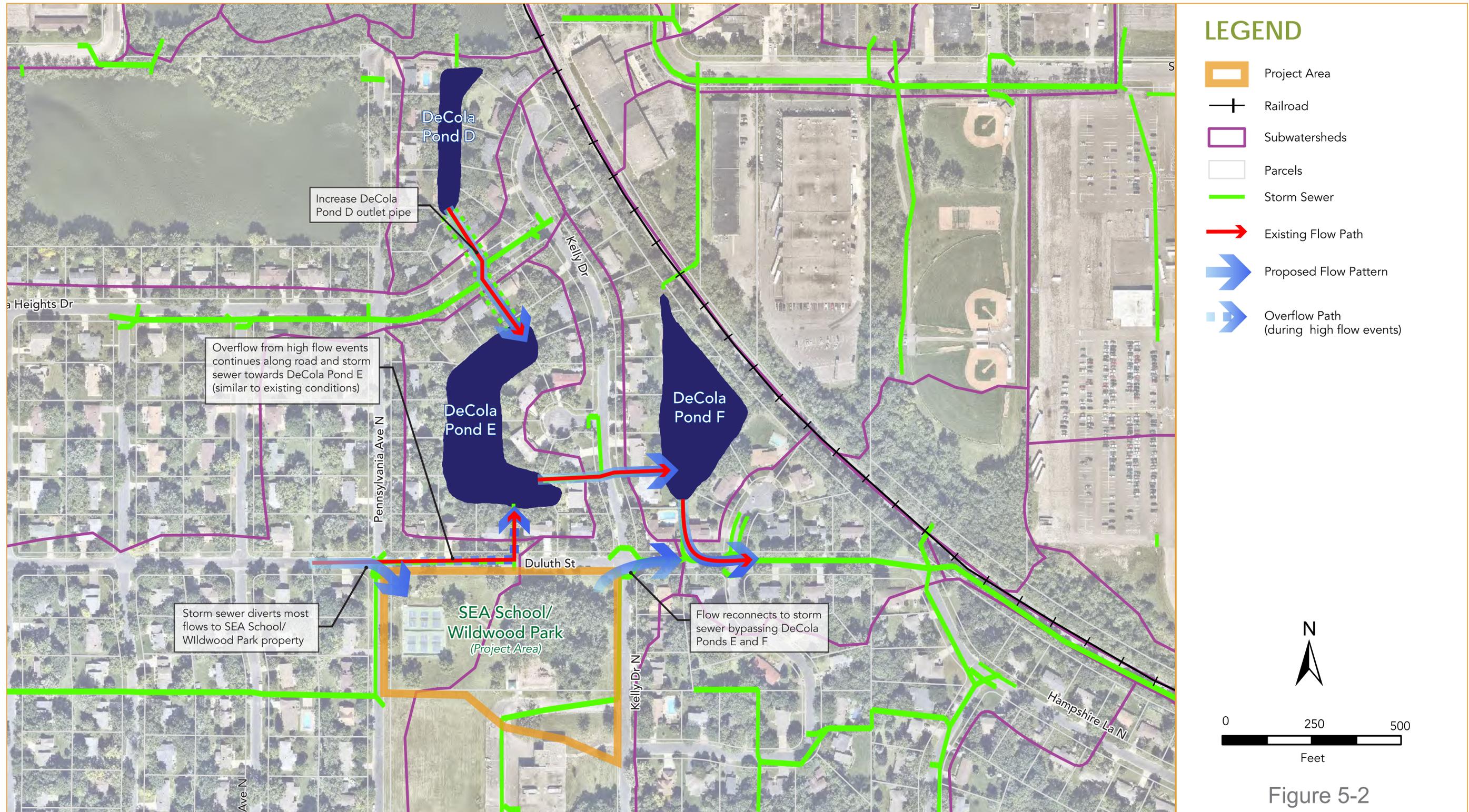
Reduction of Flood Level on Ponds:

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

At-Risk Flooded Structures (existing/proposed):

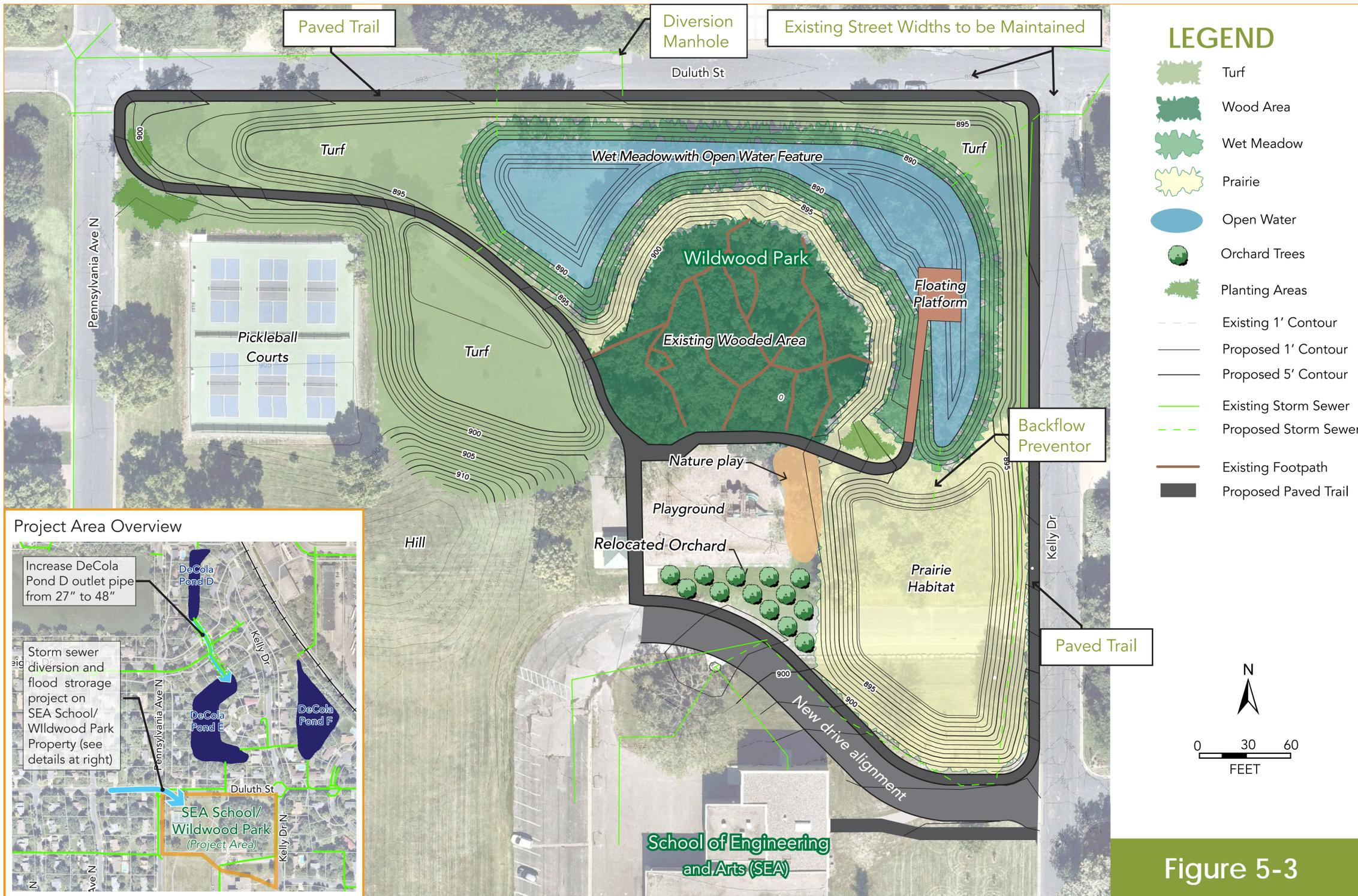
DeCola Pond	10-yr	100-yr
D	0/0	10/0
E,F	9/6	19/19

# Proposed Flow Patterns



# 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:**

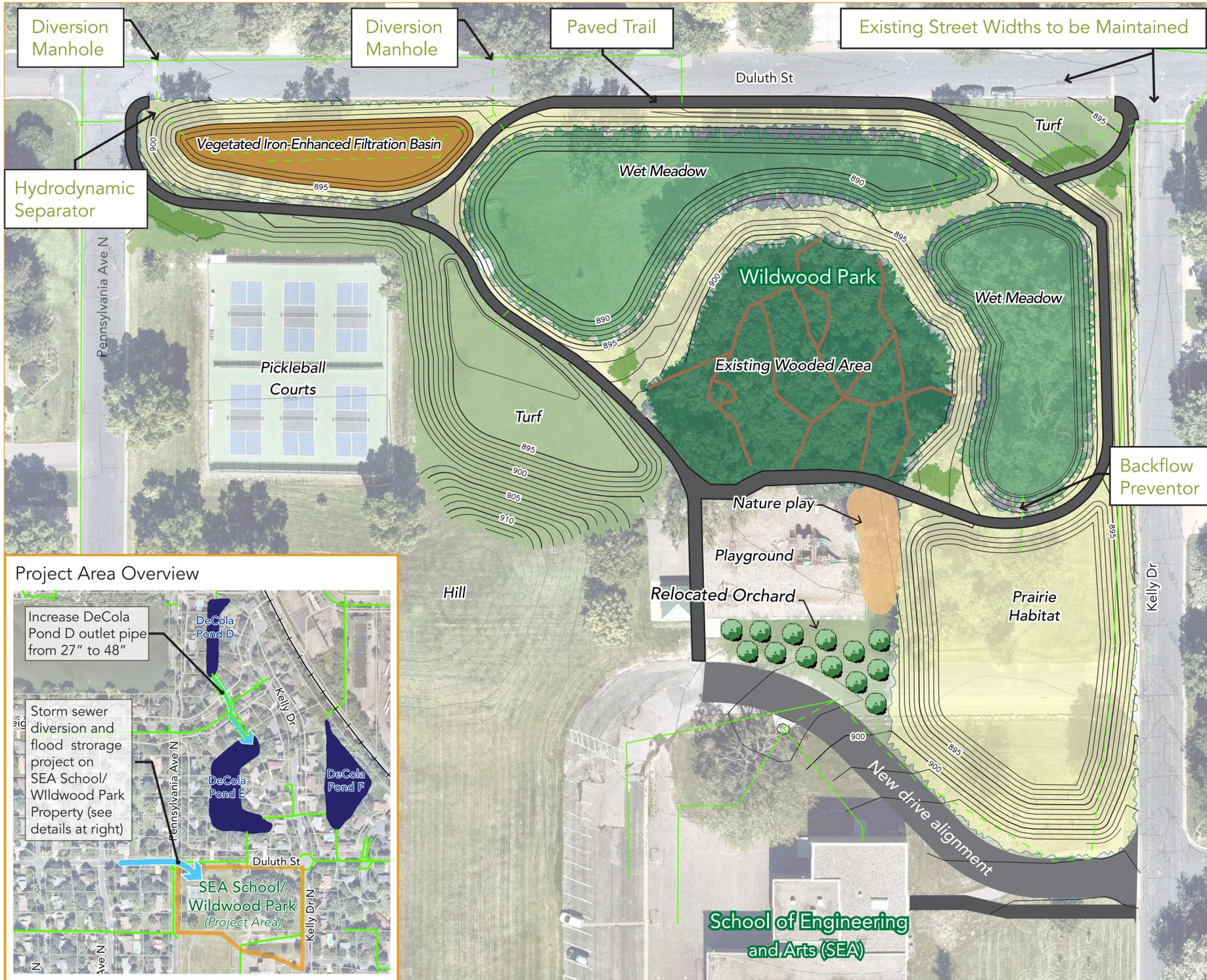
DeCola Pond	10-yr	100-yr
D	- 0.6'	- 2.8'
E,F	- 0.8'	- 0.1'

**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

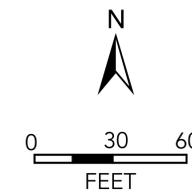


Figure 5-4

## 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

**Table 6-1: SEA School/Wildwood Park Flood Storage Project Concept Matrix Summary**

Category	Item	Existing Conditions	Concept 1: Underground Storage with Stream	Concept 2: Open Water	Concept 3: Wet Meadow
Outlet Modifications	DeCola Pond D Normal Water Level (NWL)	892.2	892.2	892.2	892.2
	DeCola Pond E Normal Water Level (NWL)	888.2	888.2	888.2	888.2
	Storm Sewer Diameter (inches)	27 - 30	48	48	48
Flood Mitigation	Total Flood Mitigation Volume (ac-ft) (SEA School/Wildwood)	-	9.1	8.6	8.5
	10-Year Flood Elevation (DeCola Ponds A, B, & C)	898.5	898.5	898.5	898.5
	10-Year Flood Elevation (DeCola Pond D)	893.7	893.1	893.1	893.1
	10-Year Flood Elevation (DeCola Pond E)	893.2	892.4	892.4	892.4
	10-Year Flood Elevation (DeCola Pond F)	893.2	892.4	892.4	892.4
	# of Potentially At-Risk Structures (10-year)	9	6	6	6
	100-Year Flood Elevation (DeCola Ponds A, B, & C)	901.7	901.7	901.7	901.7
	100-Year Flood Elevation (DeCola Pond D)	899.8	896.9	897.0	897.0
	100-Year Flood Elevation (DeCola Pond E)	895.9	895.9	895.9	895.9
	100-Year Flood Elevation (DeCola Pond F)	895.9	895.8	895.8	895.8
	# of Potentially At-Risk Structures (100-year)	29	19	19	19
Water Quality	Open Water Surface Area (ac) (Wildwood Park)	-	-	0.5	-
	Permanent Pool Water Quality Treatment Volume (ac-ft)	-	0.8	0.8	-
	Biofiltration Basin Water Quality Treatment Volume (ac-ft)	-	-	-	0.2
	Total Phosphorus Removal (lbs/yr)	73.4	75.0	75.2	77.5
	Increase in Total Phosphorus Removal (lbs/yr)	-	1.6	1.8	4.1
Trees	Total # of Surveyed <sup>1</sup> Trees (> 4 inches) and Trees <4" in SEA School Orchard	146	146	146	146
	Total # of Surveyed <sup>1</sup> Trees SEA School/Wildwood Park	139	139	139	139
	Total # of Surveyed <sup>1</sup> Trees between DeCola Ponds D and E	7	7	7	7
	Tree Removal Estimate SEA School/Wildwood Park	-	72	81	81
	Tree Removal Estimate between DeCola Ponds D and E	-	3	3	3
	# of Significant Trees Removed	110	48	57	57
	# of Legacy Trees Removed	0	0	0	0
	# of Orchard Trees Removed/Relocated	11	11	11	11
	# of Dead/Dying Trees Removed	0	0	0	0
	Tree Planting Estimate	-	35 - 70	35 - 80	35 - 80
Preservation of Trees on Knoll	Yes	Yes	Yes	Yes	
Restoration	Restored Wetland Area (ac)	-	0.6	0.3	0.8
	Restored Prairie Area (ac)	-	1.1	0.9	1.4
	Restored Turf Open Green Space (ac)	-	1.2	1.3	0.7
Trails	Length of Trail to be Removed (ft)	-	1180	1180	1180
	Length of New Paved Trail (ft)	-	2400	2240	1600
	Length of New Floating Boardwalk/Platform (ft)	-	-	135	-
Project Costs	Feasibility Level Opinion of Cost	-	\$ 4.1 million	\$2.9 million	\$3.1 million
	Feasibility Level Opinion of Cost Range (-20% to +30%)	-	\$3.3 - 5.4 million	\$2.3 - \$3.7 million	\$2.5 - 4.0 million
	30-Year Annualized Cost Estimate	-	\$246,200	\$171,500	\$192,400
	Cost per Acre-Ft of Flood Mitigation Volume	-	\$451,900	\$329,800	\$360,000
	Annualized Cost per Pound of Total Phosphorus Removed (Total Project)	-	\$153,900	\$98,000	\$47,300
	Annualized Cost per Pound of Total Phosphorus Removed (Water Quality Treatment)	-	\$53,200	\$5,700	\$5,900

<sup>1</sup> Does not reflect a complete survey of all trees in the SEA School/Wildwood Park areas; Trees on large, upland knoll and trees outside disturbance extents were not all included in the original survey as the goal was not to impact those trees as part of this flood mitigation project.

**Table 6-2: Medicine Lake Road and Winnetka Avenue Project Area - Key Flood Areas and Flood Elevation Summary**

Flood Area	Flood Area Description	Flood Elevation (ft-NAVD88)							
		Existing Conditions (Phase 2 XP-SWMM Model) <sup>1</sup>		Concept 1 - UG Storage w/ Stream		Concept 2 - Open Water		Concept 3 - Wet Meadow	
		10-yr	100-yr	10-yr	100-yr	10-yr	100-yr	10-yr	100-yr
1	Terra Linda Low Point	906.5	907.3	906.5	907.3	906.5	907.3	906.5	907.3
2	Medicine Lake Road Low Point/Rosalyn Court	901.5	902.2	901.5	902.2	901.5	902.2	901.5	902.2
3	Rhode Island Ave Low Point	898.9	901.7	898.9	901.7	898.9	901.7	898.9	901.7
4	Dover Hill Apartments	900.9	901.7	900.9	901.7	900.9	901.7	900.9	901.7
5	Decola Pond A	898.5	901.7	898.5	901.7	898.5	901.7	898.5	901.7
6	Decola Pond B	898.5	901.7	898.5	901.7	898.5	901.7	898.5	901.7
7	Decola Pond C	898.5	901.7	898.5	901.7	898.5	901.7	898.5	901.7
8	Decola Pond D	893.7	899.8	893.1	896.9	893.1	897.0	893.1	897.0
9	Decola Pond E	893.2	895.9	892.4	895.9	892.4	895.9	892.4	895.9
10	Decola Pond F	893.2	895.9	892.4	895.8	892.4	895.8	892.4	895.8
11	Medicine Lake Road East of Railroad	911.6	912.3	911.6	912.3	911.6	912.3	911.6	912.3
12	East of Railroad to Decola Pond C	900.1	901.6	900.1	901.6	900.1	901.6	900.1	901.6
13	East of Railroad at Low Point on Nevada	903.0	903.8	903.0	903.8	903.0	903.8	903.0	903.8
14	East of Railroad at Low Point on Sandburg	902.3	903.8	902.3	903.8	902.3	903.8	902.3	903.8
15	East of Railroad to Decola Pond F	898.6	901.2	898.6	901.2	898.6	901.2	898.6	901.2
16	Honeywell Pond	883.4	886.4	883.3	886.3	883.3	886.3	883.3	886.3

<sup>1</sup> Existing conditions flood elevations include the Liberty Crossing and DeCola Ponds B&C flood mitigation projects and includes modifications to channel east of DeCola Pond C.



WORKING DRAFT 2022 OPERATING BUDGET -VERSION 3

	2018 Budget	2018 Gross Expenses	2018 Revenue	2018 NET Expense	2019 Budget	2019 Gross Expenses	2019 Revenue	2019 NET Expense	2020 Budget	2020 Gross Expenses	2020 Revenue	2020 NET Expenses	2021 Budget	2022 Cmte Proposed Budget	2022 Staff Proposed Budget	Expected Revenue	See Notes
<b>ENGINEERING &amp; MONITORING</b>																	
Technical Services	125,000	126,154	-	126,154	130,000	156,941	-	156,941	130,000	143,081	-	143,081	134,000	143,000	145,000	-	(A1)
Development/Project Reviews	75,000	45,070	49,000	(3,930)	80,000	56,420	50,096	6,324	75,000	94,267	63,000	31,267	68,000	75,000	75,000	60,000	(A)
											Review fees					Review fees	
Non-fee and Preliminary Reviews	10,000	23,073	6,881	16,192	15,000	32,937	18,203	14,734	20,000	16,851	-	16,851	24,000	22,000	22,000	-	(B)
Commission and TAC Meetings	12,000	10,575	-	10,575	12,000	13,207	-	13,207	12,000	10,478	-	10,478	12,000	14,000	14,000	-	(C)
Surveys and Studies	12,000	-	-	-	20,000	16,316	-	16,316	10,000	3,745	-	3,745	9,000	10,000	10,000	-	(D)
Water Quality / Monitoring	80,700	120,728	-	120,728	78,000	76,754	-	76,754	102,600	119,397	-	119,397	129,000	120,000	110,000	-	(E)
Water Quantity	6,300	5,678	-	5,678	10,000	9,998	-	9,998	6,500	6,229	-	6,229	7,000	8,000	8,000	-	(F)
Assistance on Erosion Control Inspections	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(G)
Annual Flood Control Project Inspections	48,000	20,279	21,000	(721)	48,000	26,744	19,593	7,151	12,000	69,149	69,149	0	12,000	12,000	12,000	12,000	(H)
											Transfer from long term account					Transfer from long term account	
Municipal Plan Review	8,000	26,779	-	26,779	4,000	5,406	-	5,406	2,000	1,548	-	1,548	2,000	2,000	2,000	-	(I)
Watershed Outlet Monitoring Program	20,500	18,145	4,500	13,645	20,500	19,530	5,500	14,030	20,500	20,837	4,500	16,337	23,000	28,500	28,500	5,000	(J)
											Grant from Met Council					Grant from Met Council	
Annual XP-SWMM Model Updates/Reviews	10,000	8,918	-	8,918	-	-	-	-	-	-	-	-	-	5,000	5,000	-	(K)
APM/AIS Work	32,000	35,977	19,454	16,523	32,000	21,246	9,861	11,385	30,000	11,634	1,128	10,506	14,000	13,000	13,000	1,400	(L)
											Cost share with TRPD						
<b>Subtotal Engineering &amp; Monitoring</b>	<b>\$440,500</b>	<b>\$441,376</b>	<b>\$100,835</b>	<b>\$340,541</b>	<b>\$449,500</b>	<b>\$435,499</b>	<b>\$103,253</b>	<b>\$332,246</b>	<b>\$420,600</b>	<b>\$497,215</b>	<b>\$137,777</b>	<b>\$359,438</b>	<b>\$434,000</b>	<b>\$452,500</b>	<b>\$444,500</b>	<b>\$78,400</b>	
<b>PLANNING</b>																	
Next Generation Plan Development					12,000	12,000	-	12,000	18,000	18,000	-	18,000	18,000	18,000	18,000	-	(M)
<b>Subtotal Planning</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,000</b>	<b>\$12,000</b>	<b>\$0</b>	<b>\$12,000</b>	<b>\$18,000</b>	<b>\$18,000</b>	<b>\$0</b>	<b>\$18,000</b>	<b>\$18,000</b>	<b>\$18,000</b>	<b>\$18,000</b>	<b>\$0</b>	

Item	2018 Budget	2018 Actual	2018 Revenue	2018 NET Expense	2019 Budget	2019 Actual	2019 Revenue	2019 NET Expense	2020 Budget	2020 Gross Expenses	2020 Revenue	2020 NET Expenses	2021 Budget	2022 Cmte Proposed Budget	2022 Staff Proposed Budget	Expected Revenue	See Notes
<b>ADMINISTRATION</b>																	
Administrator	67,200	59,955	26,936	33,019	69,200	64,926	28,720	36,206	69,200	64,764	30,000	34,764	67,400	67,400	70,848	35,800	(N)
											Transfer from CIP account						Transfer from CIP account
MAWD Dues				-				-	500	500	-	500	3,750	7,500	7,500	-	(O)
Legal	17,000	13,313	-	13,313	17,000	14,428	-	14,428	15,000	20,996	-	20,996	15,000	17,000	17,000	-	(P)
Financial Management	3,200	3,200	-	3,200	3,500	3,500	-	3,500	3,500	3,500	-	3,500	4,000	13,500	13,500	-	(Q)
Audit, Insurance & Bond	15,500	17,648	-	17,648	18,000	15,892	-	15,892	18,000	18,684	-	18,684	18,000	18,700	18,700	-	(R)
Meeting Catering	1,600	1,295	-	1,295	1,500	1,341	-	1,341	1,500	317	-	317	1,300	1,300	1,300	-	(S)
Administrative Services	15,000	14,240	-	14,240	15,000	12,992	-	12,992	15,000	11,887	-	11,887	8,000	8,000	8,000	-	(T)
<b>Subtotal Administration</b>	<b>\$119,500</b>	<b>\$109,651</b>	<b>\$26,936</b>	<b>\$82,715</b>	<b>\$124,200</b>	<b>\$113,079</b>	<b>\$28,720</b>	<b>\$84,359</b>	<b>\$122,700</b>	<b>\$120,648</b>	<b>\$30,000</b>	<b>\$90,648</b>	<b>\$117,450</b>	<b>\$133,400</b>	<b>\$136,848</b>	<b>\$35,800</b>	
<b>OUTREACH &amp; EDUCATION</b>																	
Publications / Annual Report	1,500	937	-	937	1,300	1,263	-	1,263	1,300	1,069	-	1,069	1,300	1,300	1,300	-	(U)
Website	4,200	443	-	443	3,000	1,617	-	1,617	1,000	1,264	-	1,264	1,800	1,800	1,800	-	(V)
Watershed Education Partnerships	13,850	13,454	-	13,454	15,850	13,810	-	13,810	15,850	16,535	-	16,535	17,350	18,350	18,350	-	(W)
Education and Public Outreach	22,000	18,585	38,082	(19,497)	25,000	23,588	1,000	22,588	22,000	38,321	28,811	9,510	26,000	27,000	28,000	-	(X)
											Grant from BWSR						
Public Communications	2,500	563	-	563	1,000	878	-	878	1,000	1,113	-	1,113	1,000	1,100	1,100	-	(Y)
<b>Subtotal Outreach &amp; Education</b>	<b>\$44,050</b>	<b>\$33,982</b>	<b>\$38,082</b>	<b>-\$4,100</b>	<b>\$46,150</b>	<b>\$41,156</b>	<b>\$1,000</b>	<b>\$40,156</b>	<b>\$41,150</b>	<b>\$58,302</b>	<b>\$28,811</b>	<b>\$29,491</b>	<b>\$47,450</b>	<b>\$49,550</b>	<b>\$50,550</b>	<b>\$0</b>	
<b>MAINTENANCE FUNDS</b>																	
Channel Maintenance Fund	25,000	25,000	-	25,000	25,000	25,000	-	25,000	25,000	25,000	-	25,000	20,000	25,000	25,000		(Z)
Flood Control Project Long-Term Maint.	25,000	4,000	-	4,000	25,000	25,000	-	25,000	25,000	25,000	-	25,000	25,000	25,000	25,000		(AA)
<b>Subtotal Maintenance Funds</b>	<b>\$50,000</b>	<b>\$29,000</b>	<b>\$0</b>	<b>\$29,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$45,000</b>	<b>\$50,000</b>	<b>\$50,000</b>		
<b>TMDL WORK</b>																	
TMDL Implementation Reporting	10,000	4,668	-	4,668	10,000	215	-	215	10,000	263	-	263	7,000	7,000	7,000	-	(BB)
<b>Subtotal TMDL Work</b>	<b>\$10,000</b>	<b>\$ 4,668</b>	<b>\$ -</b>	<b>\$ 4,668</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$263</b>	<b>\$0</b>	<b>\$263</b>	<b>\$7,000</b>	<b>\$7,000</b>	<b>\$7,000</b>	<b>\$0</b>	
<b>GRAND TOTAL</b>	<b>\$664,050</b>	<b>\$618,677</b>	<b>\$165,853</b>	<b>\$423,824</b>	<b>\$691,850</b>	<b>\$661,734</b>	<b>\$132,973</b>	<b>\$528,761</b>	<b>\$662,450</b>	<b>\$744,428</b>	<b>\$196,588</b>	<b>\$547,840</b>	<b>\$668,900</b>	<b>\$710,450</b>	<b>\$706,898</b>	<b>\$114,200</b>	

<b>2022 Proposed Revenues</b>		
<b>Expected Income</b>		Proposed Income
Assessments to cities		\$ 577,698
Use of fund balance		\$ 15,000
CIP Administrative Funds (2.0% of est. requested levy of \$1.5M \$1.79M)		\$ 35,800
Project review fees		\$ 60,000
Transfer from Long-term Maint Fund for Flood Control Proj Inspections		\$ 12,000
WOMP reimbursement		\$ 5,000
TRPD reimbursement		\$ 1,400
Interest income in 2021		
		\$ 706,898
<b>DRAFT Expenses</b>		
Total operating budget		\$ 706,898
<b>Fund Balance Details</b>		
Est. Beginning Fund Balance (Jan 31, 2022)		\$ 404,513
Use of Fund Balance		\$ 15,000
Est. Remaining Fund Balance (Jan 31, 2023)		\$ 389,513

PROPOSED CITY ASSESSMENTS													
Community	For Taxes Payable in 2021	2021 Percent of	Area Watershed	Percent of	Average	2015	2016	2017	2018	2019	2020	2021	2022 Proposed Assessments (4.1% increase)
	Net Tax Capacity	Valuation	in Acres	of Area	Percent	\$490,345	\$490,345	\$500,000	\$515,050	\$529,850	\$550,450	\$554,900	\$577,698
Crystal	\$10,436,901	5.59	1,264	5.09	5.34	\$25,868	\$25,771	\$25,704	\$26,904	\$27,877	\$29,062	\$29,898	\$30,831
Golden Valley	\$48,278,560	25.84	6,615	26.63	26.23	\$121,964	\$127,675	\$131,270	\$134,649	\$138,553	\$144,693	\$145,228	\$151,546
Medicine Lake	\$1,136,635	0.61	199	0.80	0.70	\$3,543	\$3,600	\$3,561	\$3,783	\$3,846	\$3,975	\$3,928	\$4,071
Minneapolis	\$13,106,438	7.01	1,690	6.80	6.91	\$33,235	\$32,885	\$33,609	\$34,763	\$35,805	\$37,631	\$37,983	\$39,911
Minnetonka	\$11,762,188	6.30	1,108	4.46	5.38	\$28,121	\$27,536	\$28,199	\$28,053	\$28,989	\$29,967	\$29,622	\$31,066
New Hope	\$10,448,489	5.59	1,252	5.04	5.32	\$25,681	\$25,627	\$25,917	\$26,740	\$27,987	\$28,987	\$29,464	\$30,709
Plymouth	\$79,203,316	42.39	11,618	46.77	44.58	\$225,159	\$220,974	\$224,531	\$231,682	\$237,986	\$245,942	\$247,860	\$257,522
Robbinsdale	\$3,537,475	1.89	345	1.39	1.64	\$7,587	\$7,843	\$7,747	\$8,189	\$8,523	\$8,937	\$9,299	\$9,480
St. Louis Park	\$8,938,699	4.78	752	3.03	3.91	\$19,184	\$18,433	\$19,463	\$20,287	\$20,284	\$21,257	\$21,618	\$22,562
<b>TOTAL</b>	<b>\$186,848,701</b>	<b>100.00</b>	<b>24,843</b>	<b>100.00</b>	<b>100.00</b>	<b>\$490,345</b>	<b>\$490,345</b>	<b>\$500,000</b>	<b>\$515,050</b>	<b>\$529,850</b>	<b>\$550,450</b>	<b>\$554,900</b>	<b>\$577,698</b>

## NOTES

(A1) General technical services by Barr Engineering; amount based on actual expenditures in 2019 and 2020. Due to savings in ( E) below, added \$2,000 to match engineer-recommended figure.

(A) Partially funded by application fees; with the creation of the preliminary and non-fee budget category, most of the review costs will be covered by application fees. 2021 budget assumes 30 submittals at average cost of \$2,000 - \$2,500 per review. 2022 budget based on 2019 and 2020 actuals

(B) Based on actual expenses in 2019 and 2020. This was a new line item in 2015 used to cover reviews for which either we do not receive an application fee or it's too early in the process for us to have received an application fee. Includes DNR application reviews, MnDOT project reviews, and other prelim reviews requested by administrator and member cities.

(C) Includes attendance at BCWMC meetings, TAC meetings and other committee meetings, as needed. 2017 budget increased to allow for additional BCWMC Engineer staff to attend Commission/TAC meetings (total of 3 assumed). 2018 - 2020 budgets were reduced from 2017 and assumed 12 BCWMC meetings and 5 other meetings (TAC, etc.). 2021 budget also assumes 17 meetings including BCWMC meetings (12), TAC meetings (3), Administrative Services Committee meetings (1), Budget Committee meetings and other meetings (1). 2022 budget increased to reflect likely return to in-person meetings, plus additional staff attendance at meetings

(D) For Commission-directed surveys and studies not identified in other categories - e.g., past work has included watershed tours, Medicine Lake outlet work, Flood Control Project Maintenance and Responsibilities, Sweeney Lake sediment monitoring, stream monitoring equipment purchase. 2018 budget was reduced from previous years for overall budget savings. 2019 budget is more in line with previous years and gives Commission flexibility to investigate or tackle unforeseen issues that arise. Lowered again in 2020, 2021, and 2022 for budget savings.

(E) Routine lake and stream monitoring. See details on next page. Costs are considerably lower than normal stream monitoring due to partnering with TRPD. Costs were lowered further since Budget Committee recommendations.

(F) Water Quantity (lake level) monitoring. 2018 budget lowered for budget savings and resulted in fewer data points. 2019 budget back to earlier budget levels. 2020 budget lowered again for budget savings. 2022 budget increase allows for additional measurements and benchmark checks, beyond the once/month lake level measurements

(G) After recommendations from the TAC and Budget Committee, the Commission's ended the erosion and sediment control inspection program (Watershed Inspection) in 2014 due to duplication with activities required by the member cities. Some budget remained here to provide, as requested by the Commission, some oversight of city inspection activities (reports of inspections are available from each city). However, little or no expenses have been incurred since 2014. In 2019 it was removed from budget. If inspections are needed they can be charged to general technical services.

(H) 2022 budget includes annual typical inspection of Flood Control Project (FCP) features without tunnel inspections. Does not include follow-up work on the deep tunnel inspection, such as developing cost estimates for recommended repair work, and the box culvert repairs, such as development of plans and specifications.

[http://www.bassettcreekwmo.org/application/files/4514/9637/1815/2016\\_FCP\\_Policies.pdf](http://www.bassettcreekwmo.org/application/files/4514/9637/1815/2016_FCP_Policies.pdf)

(I) Municipal plan approvals completed in 2019; however, this task has also included review of adjacent WMO plan amendments, and review of city ordinances; \$2,000 budget recommended in 2021 for these types of reviews.

(J) Monitoring at the Watershed Outlet Monitoring Program (WOMP) site in Minneapolis through an agreement with Met Council (MCES). Commission is reimbursed \$5,000 from Met Council. Met Council pays for equipment, maintenance, power, cell service, and lab analyses. Monitoring protocol changed in 2017 with collection of bi-monthly samples (up from once-per-month sampling). Both Barr and Wenck have tasked related to WOMP activities. Barr's 2020 & 2021 budget = \$4,500. Actual spent in 2020 = \$4,265. Station was moved in late 2020. In 2022, Barr work is proposed at \$10,000 because MCES requests additional high flow measurements (doubling from about 6 to 12), due to the new station location. The MCES recommends 9 routine scheduled flow measurements (range of flows beyond base flow), plus up to 3 additional for special events such as high flow, drought, or backwater. The additional budget would also allow for the measurement of up to two higher flows, as needed, using an Acoustic Doppler unit (StreamPro) that allows for measurement of higher flows than was possible using past equipment. Wenck portion is similar to previous years at \$18,500 due to similar sampling regime.

(K) This item is used to make updates to the XP-SWMM model, coordinate with P8 model updates, and assist cities with model use. No XP-SWMM updates were performed 2019 - 2021 due to work on the grant funded FEMA modeling project. 2022 budget assumes the Commission adopts the "FEMA model" as the Commission's model, including flood elevations. Then would need to re-start XP SWMM model updates. The last update was in 2018. Engineers will begin updating process in 2021 with "Surveys and Studies" budget. Process will likely be completed in FY2022.

(L) Funds to implement recommendations of Aquatic Plant Management/Aquatic Invasive Species Committee likely including curly-leaf pondweed control in Medicine Lake and small grant program for launch inspectors, education/outreach, etc. by other organizations including TRPD, AMLAC, others. 2020 expenses \$11,400 due to grant funding and cost sharing with TRPD. 2021 and 2022 budget set to be in line with actual expected costs.
(M) Funding that will be set aside and accrued over next 5 years to pay for 2025 Watershed Plan development which will start in 2023.
(N) Typically includes \$72/hour for average of 80 hours per month. In 2021 reduced to an average of 78 hours per month for overall budget savings and to reflect actual annual expenses. Budget committee recommended same for 2022. Increased to 82 hours per month due to savings in ( E) and to reflect level of work in early 2021.
(O) MN Association of Watershed District Annual dues. New budget item. 2019 and 2020 dues were \$500 because WMOs were newly allowed to join the organization. 2021 dues \$3,750. 2022 dues expected to be \$7,500 similar to other Metro watersheds.
(P) For Commission attorney. 3% hourly rate increase over 2021 + more work expected. High legal costs for CIP projects will be charged to specific CIP budgets, as warranted.
(Q) Reflects new agreement with Redpath. \$1,000/mo + up to 10 hours audit assistance at \$150/hr
(R) Insurance and audit costs have risen considerably in the last few years.
(S) Meeting catering expenses from Triple D Espresso (includes delivery). Assumes 12 in-person meetings
(T) Recording Secretary \$45/hr rate * 8 hrs/mo for meeting attendance and minutes (\$4,320 total) + \$290 annual mileage + \$250/mo meeting packet printing/mailing + \$390 contingency.
(U) Budget was decreased in last few years to be more in line with actual expenses. Costs associated with Commission Engineer assistance with annual report
(V) Based on 2017-2019 agreement with HDR for website hosting and maintenance activities and closer to actual funds spent in 2019.
(W) Includes CAMP (\$7,000), River Watch (\$2,000), Metro Watershed Partners (\$3,500), Metro Blooms Workshops (\$1,500; a decrease from previous years), Children's Water Festival (\$350). Does not allow for additional partnerships or increases in contributions. CAMP costs set by Met Council increased significantly in 2019 (after 16 years w/o increases). In 2021 moved \$4,000 in annual support to Metro Blooms for resident engagement in Harrison Neighborhood, MPLS from Education & Outreach line item (X)
(X) Includes funding for West Metro Water Alliance at \$13,000 and \$9,310 for other educational supplies and materials including educational signage, display materials, Commissioner training, etc. In 2021, moved social media (\$480 FB ads + \$3,510 for 1.5 hr/week*52 wks*\$45/hour) and moved educational newspaper column writing (\$2,700 for 5 hr/mo*12 months*\$45/hour) from Administrative Services line item (T). Increased by \$1,000 to provide additional education budget due to savings in ( E).
(Y) Public Communications covers required public notices for public hearings, etc.
(Z) Will be transferred to Channel Maintenance Fund for use by cities with smaller projects along main streams. Reduced in 2021 for one-time budget savings. TAC recommends fully funding this line item at \$25,000
(AA) Will be transferred to Long-Term Maintenance Fund (less actual costs of FCP inspections in line (H).
(BB) Budget reduced since 2018 for overall budget savings. Task includes reporting on TMDL implementation and updating P8 model to include new BMPs. Reduced in 2021 for overall budget savings. Updates did not occur in 2020; this budget will be needed especially if the XP SWMM model is updated. Draft #2 budget reduced for budget savings as much work will be completed in 2021. Still working with engineers to refine this number.

<b>BCWMC 2022 Water Quality Monitoring Budgets - by item</b>		
<b>Item</b>	<b>Budget</b>	<b>Notes</b>
Reporting on 2020 Sweeney Branch biotic index monitoring	\$7,000	Coincides with, and included in, the Sweeney Branch stream flow and quality monitoring report below – this budget is as shown in the 2021 budget documentation.
Reporting on 2021 monitoring:		
Westwood and Crane Lake	\$12,000	this budget is as shown in the 2021 budget documentation.
Parkers Lake	\$6,000	this budget is as shown in the 2021 budget documentation.
Sweeney Branch stream flow and quality monitoring	\$7,000	this budget is as shown in the 2021 budget documentation.
<b>2022 monitoring:</b>		
Year 1 of Plymouth Creek stream flow and quality monitoring	\$20,000	This budget is lower than typical stream monitoring budgets due to a partnership with TRPD on monitoring. Assumptions: 1) the BCWMC's 2022-2023 Plymouth Creek monitoring will use the City of Plymouth's Plymouth Creek monitoring site (site IP2), rather than set up a new location and TRPD performs the monitoring on behalf of the City of Plymouth; 2) TRPD staff will perform all monitoring, except for DO monitoring (continuous for 1 – 2 weeks) and quarterly metals/hardness sampling, which the Commission Engineer will perform; 3) rental of dissolved oxygen probe for continuous dissolved oxygen monitoring at assumed cost of \$100/day; 4) \$5,000 budget for one-time purchase of specific conductance and temperature monitoring equipment to support the TRPD monitoring efforts (may not be required) – the BCWMC's continuous temperature/specific conductance monitoring equipment is not compatible with the TRPD's equipment; 5) TRPD will maintain the current rating curve for the TRPD monitoring site; 6) the Commission Engineer will verify/modify the TRPD rating curve for the old downstream IP1 station (60" pipe) (assists with understanding impacts of flows from large inflow pipe on the downstream biological monitoring station; and 7) Commission Engineer review of TRPD data
Northwood Lake (Priority 1 Shallow lake) & Lost Lake (Priority 2 Shallow lake)	\$40,000	Assumptions: 6 sample events from Northwood Lake and 6 Sample events from Lost Lake; 2 TP samples per event (epilimnetic composite and bottom); all other WQ samples only 1 sample per event. AIS suitability parameters sampled in June and August; all other WQ parameters sampled on all 6 events. Plant surveys in June and August by Endangered Resource Services. Budget does not include report and presentation to Commission, which will occur in 2023 (and be included in 2023 budget).
Plymouth Creek biological monitoring	\$8,000	identification/ enumeration by subconsultant (Dr. Dean Hansen); and 3) MPCA computes MIBI at no cost to BCWMC. Budget does not include report and presentation to Commission, which will likely occur in 2024 (and be included in 2024 budget), to coincide with the reporting on the Sweeney Branch stream flow and water quality monitoring.
General water quality	\$10,000	This monitoring could be deferred to 2023, if needed.
<b>Total Water Quality Monitoring</b>	<b>\$110,000</b>	



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May 12, 2021

**VIA E-MAIL ONLY**

Bassett Creek Watershed Management Commission  
c/o 16145 Hillcrest Lane  
Eden Prairie, MN 55346  
Email: [laura.jester@keystonewaters.com](mailto:laura.jester@keystonewaters.com)

**Re: Waiver of Conflict (Bryn Mawr Water Quality Improvement Project)**

Dear Commissioners:

I have been working on the Commission's behalf on the Bryn Mawr Water Quality Capital Improvement Project (the "Project"). The parties involved in agreements related to the Project include the City of Minneapolis ("City") and the Minneapolis Park and Recreation Board ("MPRB"). I recently learned that colleagues at my law firm occasionally represent the City on highly specialized public finance and real estate projects unrelated to the Project, and so before I perform any additional work on the Project, I felt it necessary to inform you of this relationship and request a waiver regarding my representation in this capacity.

The factual and legal issues that I anticipate will arise related to the Project are wholly unrelated to the specialized work that my colleagues do for the City. Additionally, I am confident that I can provide competent and diligent representation to the Commission on the Project.

If you do not anticipate a problem with me representing the Commission with regard to the Project, please sign a copy of this waiver letter and return to me. If you have any questions, please do not hesitate to let me know.

Very truly yours,

**KENNEDY & GRAVEN, CHARTERED**

*/s/ David T. Anderson*

David T. Anderson

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The undersigned hereby waives the above-described conflict of interest and consents to representation by Kennedy & Graven for all matters related to the aforementioned Project.

Dated: \_\_\_\_\_

\_\_\_\_\_  
BCWMC Chair

Dated: \_\_\_\_\_

\_\_\_\_\_  
BCWMC Secretary



## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6E – Consider Approval of Proposal for Engineering Services for the Bryn Mawr Meadows Water Quality Improvement Project (2020 CIP Project BC-5)  
BCWMC May 20, 2021 Meeting Agenda  
**Date:** May 12, 2021

### **6E. Consider Approval of Proposal for Engineering Services for the Bryn Mawr Meadows Water Quality Improvement Project (2020 CIP Project BC-5)**

#### **Recommendations:**

1. Consider approving the scope of work and \$183,000 budget presented in this memorandum and direct the Commission Engineer to prepare final design, develop plans and specifications, and provide permitting assistance, bidding assistance and construction services for the Bryn Mawr Meadows Water Quality Improvement Project (2020 CIP Project BC-5), scheduled for construction in 2022.

#### **Background**

At the September 19, 2019 meeting, the Commission passed resolution 19-09 officially ordering the Bryn Mawr Meadows Water Quality Improvement Project (2020 CIP Project BC-5), at an estimated cost of \$912,000, to be funded through CIP levies in 2019 for collection in 2020 (\$100,000) and in 2020, for collection in 2021 (\$412,000), and a BWSR Clean Water Fund Grant (\$400,000). Unlike most CIP projects where the Commission has an agreement with a member city to design and construct the project, the Commission will design this project on its own, in close coordination with the Minneapolis Park and Recreation Board (MPRB) and the City of Minneapolis. At their November 18, 2020 meeting, the Commission requested a scope of work from the Commission Engineer to provide project engineering for an amount not to exceed \$183,000.

The project will be implemented within Bryn Mawr Meadows Park and adjacent city streets and will be designed and constructed in conjunction with the MPRB's design and reconstruction of Bryn Mawr Meadows Park. This CIP project will treat stormwater runoff from a 45.1-acre residential area that currently flows untreated into Bassett Creek in Minneapolis and low flows from MnDOT's Penn Pond (see Figure 1). The BCWMC will enter into two agreements with MPRB and the City of Minneapolis: one assigning design responsibilities to the BCWMC (to be considered at the June BCWMC meeting) and another designating construction and maintenance responsibilities. The MPRB and the City of Minneapolis will be responsible for constructing the portions of the CIP project on their respective properties. The CIP project will provide

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an estimated total phosphorus reduction of 30 pounds per year above and beyond the stormwater treatment required by MPRB's park reconstruction project. The project is slated for design in 2021 and construction in 2022.

The feasibility report for the project (Feasibility Report for Bryn Mawr Meadows Water Quality Improvement Project, January 2019, Barr) will form the basis for the CIP project design. The feasibility report and further project information can be found online at

<https://www.bassettcreekwmo.org/projects/all-projects/bryn-mawr-meadows-water-quality-improvement-project>.

## Proposed Scope of Work

Below is a summary of the work scope components for this project:

### 1) Project Coordination and Project Meetings

- a) Pre-design coordination meeting with BCWMC staff, MPRB staff, MPRB design consultants, City of Minneapolis staff, and MnDOT staff and preparation of meeting notes. This meeting would take place before design work gets underway to get all parties on the same page about overall features, scheduling, etc.
- b) Project coordination meeting with BCWMC staff, commissioners, MPRB staff, City of Minneapolis staff, and MnDOT staff, and preparation of meeting notes. This meeting would take place after 50% draft plans are developed.
- c) BCWMC Meeting #1: Commission meeting to present 50% design plans including memo and presentation
- d) BCWMC Meeting #2: Commission meeting to present 90% design plans including memo and presentation
- e) Other coordination meetings

Meetings related to bidding and construction are incorporated under other tasks.

### 2) Public Engagement

- a) Coordinate with BCWMC Administrator, MPRB staff, and City of Minneapolis staff to gather public input on project plans. Primary group for public engagement will be the park users, nearby residents, and property owners. We assume that MPRB staff or their consultant will take the lead and facilitate the public engagement efforts, but some coordination will be required. The budget for this task includes time to prepare for and attend one public meeting, including preparing handouts, boards, and/or presentation related to the BCWMC's above-and-beyond water quality improvement work. This task also includes assisting with updates to the project partners through the MPRB and BCWMC website project pages and responding to public questions and comments.

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We assume that MPRB staff or their consultant will take the lead in meeting set-up, coordination, and expenses, with assistance from the BCWMC Administrator.

## 2) Permitting

Because the CIP project features will be constructed as part of a larger park reconstruction project, we assume that the MPRB or their consultant will lead permitting efforts and the BCWMC will not obtain individual permits for the above-and-beyond water quality improvement work. Below is a list of anticipated permitting and approvals required for the larger park reconstruction project that include the BCWMC's above-and-beyond water quality improvement work.

- a) *Minnesota Pollution Control Agency (MPCA) permitting* – Because the CIP project features will be constructed as part of a larger park reconstruction project, which is anticipated to result in more than one (1) acre of land disturbance, a stormwater pollution prevention plan (SWPPP) will be required. We assume that MPRB staff or their consultant will develop and prepare a SWPPP that will incorporate the BCWMC's above-and-beyond water quality improvement work. However, we are including some budget for coordination with MPRB staff or their consultant and incorporation of the BCWMC's above-and-beyond water quality improvement work into the SWPPP.
- b) *Minneapolis Park and Recreation Board (MPRB) construction permit* – We assume that Minneapolis and MPRB staff or their consultant will prepare the MPRB permit application as part of the larger park reconstruction project and it will incorporate the BCWMC's above-and-beyond water quality improvement work. However, we are including some budget for coordination with MPRB staff or their consultant and incorporation of the BCWMC's above-and-beyond water quality improvement work into the permit application.
- c) *City of Minneapolis soil erosion permits* – We assume that MPRB staff or their consultant will prepare a City of Minneapolis permit application as part of the larger park reconstruction project and it will incorporate the BCWMC's above-and-beyond water quality improvement work. However, we are including some budget for coordination with MPRB staff or their consultant and City of Minneapolis staff.

## 4) Design

We will build upon the feasibility study concepts to design the CIP project features. We assume that MPRB staff or their consultant will prepare the plans and specifications for the larger park reconstruction project. We will work closely with the MPRB, their design consultants, and city of Minneapolis staff throughout the design process to ensure all components will work seamlessly into the Park reconstruction project and existing city infrastructure. We will prepare supplemental documents for the BCWMC's above-and-beyond water quality improvement work to be used for bidding and construction.

- a) *Construction Drawings:* We will develop the following in collaboration with MPRB and the City of Minneapolis and provide to the BCWMC for review and comment:
- i. 50% plans and memo to BCWMC
  - ii. 90% plans and memo to BCWMC
  - iii. 100% plans for bidding and construction
  - iv. Following each submittal, we will edit the plans based on input from MPRB, City of Minneapolis, and BCWMC.

Anticipated drawings include:

- Existing conditions
  - Removals and erosion control plan
  - Site access & traffic control plan, if necessary
  - Grading plan and sections
  - Stormwater utility plan
  - Stormwater utility profiles
  - Stormwater structure details
  - Paving plan and details
  - Project details
  - Restoration plan(s)
- b) *Specifications:* We assume that front-end documents using CSI format, including instructions to bidders, bid form, contract (form of agreement), performance and payment bonds, general and supplementary conditions, prevailing wages, etc., and technical specifications, will be prepared by the MPRB or their consultant as part of the park reconstruction project. We will develop supplemental technical specifications for the BCWMC's above-and-beyond water quality improvement work as part of the 90% and 100% submittals. We will also coordinate with MPRB staff or their consultant and the Commission attorney regarding the technical specifications.
- c) *Engineer's opinion of cost:* We will prepare an engineer's opinion of probable construction costs for the BCWMC's above-and-beyond water quality improvement work for the 50%, 90% & 100% submittals. We will report the opinion of costs to the Commission in a unit price format.
- d) *Water quality modeling updates:* The scope includes additional refinements to the water quality modeling for the BCWMC's above-and-beyond water quality improvement work as the design components are finalized and incorporation of the constructed improvements into the model after completion of the project. We will incorporate the modeling results into the 50% & 90% design submittal memos to the Commission.

## 5) Bidding Services

We assume that the proposed water quality improvement project will be bid as part of the larger park reconstruction project to obtain the most competitive construction price. Therefore, the scope includes the following bidding services:

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- a) Prepare supplemental bidding documents for the BCWMC's above-and-beyond water quality improvement work for incorporation into the MPRB bid set.
- b) Attend a pre-bid meeting, as necessary
- c) Coordinate with MPRB staff or their consultant to respond to questions from bidders and prepare any required addenda. We assume that MPRB staff or their consultant will post the bid via QuestCDN online bidding and administer the bidding process.
- d) We assume that MPRB staff or their consultant will prepare the bid tabulation, review bids, and select, or recommend selection of, a Contractor. We will coordinate with MPRB staff or their consultant to assist with these tasks as needed.

## 6) Construction Services

The scope includes the following construction services:

- a) *Pre-construction meeting:* We assume that MPRB staff or their consultant and the City of Minneapolis or their consultant will hold pre-construction meetings. We will attend the pre-construction meetings on behalf of the BCWMC for the BCWMC's above-and-beyond water quality improvement work.
- b) *Construction Progress Meetings and Observation:* The scope includes budget for up to 160 hours for attending weekly construction progress meetings and observation of CIP project features during the construction phase of the project (20 hours per week for up to 8 weeks). We can re-evaluate these assumptions when the agreement for construction and maintenance responsibilities is developed.
- c) *Survey and Construction Staking:* We assume that MPRB, the City of Minneapolis, their consultant(s), or the contractor will provide all survey and construction staking for both the park reconstruction project and the BCWMC CIP project. Therefore, no survey or construction staking is included in this scope.
- d) *Construction Administration:* We will provide the following services:
  - i. *Submittals:* We will coordinate with the MPRB, the City of Minneapolis, and their consultant(s) to manage submittals related to the BCWMC's above and beyond water quality improvement project (any products or documentation requiring the engineer's review and/or approval) including tracking, review, resubmittals and approvals.
  - ii. *Pay applications:* We will coordinate with the MPRB, the City of Minneapolis, and their consultant(s) to manage and review pay applications that include work related to the BCWMC's above-and-beyond water quality improvement work, including verification of pay quantities.
  - iii. *Change orders:* We will coordinate with the MPRB, the City of Minneapolis, and their consultant(s) to review contractor's change order requests and prepare all change orders related to the BCWMC's above-and-beyond water quality improvement work.

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6E – Consider Approval of Proposal for Engineering Services for the Bryn Mawr Meadows Water Quality Improvement Project (2020 CIP Project BC-5)  
BCWMC May 20, 2021 Meeting Agenda  
**Date:** May 12, 2021  
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- iv. Updates and modifications: We will coordinate with the MPRB, the City of Minneapolis, and their consultant(s) to prepare and distribute updated construction documents for any changes made during construction related to the BCWMC's above-and-beyond water quality improvement work. This assumes the changes are small adjustments to the design and not substantial changes in construction scope or duration.
  - v. Contractor communication: We will coordinate with the MPRB, the City of Minneapolis, and their consultant(s) to communicate with the contractor to clarify plans and specifications and answer questions that arise during construction related to the BCWMC's above-and-beyond water quality improvement work.
- e) *Record drawings:* We assume we will receive record survey information from the MPRB or the City of Minneapolis. We will then prepare record drawings for the BCWMC's above-and-beyond water quality improvement features, following completion of the work. We will provide the record drawings to both the BCWMC and MPRB.

## 7) Project Management

We will manage project scheduling and budgeting, in close coordination with MPRB staff and the Commission Administrator, provide grant administration assistance and reporting, and prepare and send project email updates (bi-weekly during design, weekly during construction) that briefly summarize:

- a) Work completed since the previous updates
- b) Upcoming work
- c) Information, data or actions we need from others

## 8) Environmental Assistance (as needed)

We will prepare a Response Action Plan (RAP) to address soil and groundwater contamination during construction based on previous investigation results (from Irving Avenue sanitary sewer project). If a RAP is prepared by the MPRB or City of Minneapolis, we may only need to add to the RAP for the CIP project features. Because of the previous investigation work, we do not anticipate additional sediment testing will be required before construction. However, the budget includes \$5,000 for equipment expenses and possible environmental lab testing, should the contractor encounter additional contamination during construction. If the Commission enrolls the site in the MPCA Voluntary Remediation Program, the budget includes up to 5 hours of time for the Commission Engineer's assistance. We will evaluate whether grant funds may be available from Hennepin County for RAP preparation or environmental cleanup. This task also assumes up to 50 hours of field oversight and coordination with the contractor during construction.

## Deliverables

We will provide the Commission with the following deliverables during the proposed work:

- a) 50%, 90% and 100% supplemental construction drawings for incorporation into MPRB plans

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6E – Consider Approval of Proposal for Engineering Services for the Bryn Mawr Meadows Water Quality Improvement Project (2020 CIP Project BC-5)  
 BCWMC May 20, 2021 Meeting Agenda  
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- b) 90% and 100% supplemental specifications for incorporation into MPRB specifications
- c) 50%, 90% and 100% opinions of cost for the BCWMC's above-and-beyond water quality improvement work
- d) Memos accompanying the 50% & 90% construction plans. The memos will describe the CIP project features, comments from MPRB and city of Minneapolis on the plans, how the CIP project features follow or depart from the feasibility study, and the water quality impacts
- e) Presentations for the Commission meetings to present the 50% and 90% construction plans
- f) Record drawings
- g) Project meetings (including Commission meetings), pre-bid meeting, and pre-construction meeting
- h) Project email updates

## Cost Estimate

The table below summarizes our cost estimate for the scope of work outlined above.

<b>Tasks</b>	<b>Estimated Total</b>
1) Project Coordination and Project Meetings	\$19,400
2) Public Engagement	\$8,200
3) Permitting	\$10,000
4) Design	\$81,100
5) Bidding Services	\$6,000
6) Construction Services	\$28,100
7) Project Management	\$8,700
8) Environmental Assistance (as needed)	\$21,500
<b>Total</b>	<b>\$183,000</b>

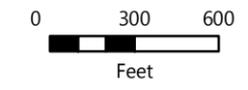
## Schedule

We will complete the tasks and milestones outlined in the scope of work at the schedule provided by MPRB, shown below. If the MPRB schedule is modified, this schedule will be modified to match the MPRB schedule.

<b>Tasks and milestones</b>	<b>Estimated Schedule</b>
Design – complete 50% plans for review and permitting	October 2021, November 2021 Commission Meeting
Design – complete 90% plans for review	December 2021, January 2022 Commission Meeting
Permitting	January 2022
Design – complete 100% plans	February 2022
Bidding	March 2022
Construction	Summer 2022
Record drawings, final restoration, project closeout	Fall 2022



- Creeks
- Flow Paths
- Proposed Storm Sewer
- Existing Storm Sewer
- Proposed MPRB BMP
- Proposed Stormwater Pond
- Existing Stormwater Pond
- Proposed Watersheds
- Northwest Neighborhood Diversion and Penn Pond Flow Flow Diversion
- Subwatershed
- Municipal Boundary



**CONCEPT 3**  
 Northwest Neighborhood Diversion and Penn Pond Low Flow Diversion  
 Bryn Mawr Meadows Park Water Quality Project BC-5

**FIGURE 1**





## Bassett Creek Watershed Management

# MEMO

Date: May 10, 2021  
From: Laura Jester, Administrator  
To: BCWMC Commissioners  
RE: **Administrator's Report**

Aside from this month's agenda items, the Commission Engineers, city staff, committee members, and I continue to work on the following Commission projects and issues.

**CIP Projects** (more resources at <http://www.bassettcreekwmo.org/projects.>)

**2019 Medicine Lake Road and Winnetka Avenue Area Long Term Flood Mitigation Plan Implementation Phase I: DeCola Ponds B & C Improvement Project (BC-2, BC-3 & BC-8) Golden Valley (no change since Feb):** A feasibility study for this project was completed in May 2018 after months of study, development of concepts and input from residents at two public open houses. At the May 2018 meeting, the Commission approved Concept 3 and set a maximum 2019 levy. Also in May 2018, the Minnesota Legislature passed the bonding bill and the MDNR has since committed \$2.3M for the project. The Hennepin County Board approved a maximum 2019 levy request at their meeting in July 2018. A BCWMC public hearing on this project was held on August 16, 2018 with no comments being received. Also at that meeting the Commission officially ordered the project and entered an agreement with the City of Golden Valley to design and construct the project. In September 2018, the City of Golden Valley approved the agreement with the BCWMC. The [Sun Post](#) ran an article on this project October 2018. Another public open house and presentation of 50% designs was held February 6, 2019. An EAW report was completed and available for public review and comment December 17 – January 16, 2019. At their meeting in February 2019, the Commission approved the 50% design plans. Another public open house was held April 10<sup>th</sup> and a public hearing on the water level drawdown was held April 16<sup>th</sup>. 90% Design Plans were approved at the April Commission meeting. It was determined a Phase 1 investigation of the site is not required. The City awarded a contract to Dahn Construction for the first phase of the project, which involves earthwork, utilities, and trail paving and extends through June 2020. Dewatering began late summer 2019. Tree removal was completed in early winter; excavation was ongoing through the winter. As of early June 2020, earth work and infrastructure work by Dahn Construction is nearly complete and trail paving is complete. Vegetative restoration by AES is underway including soil prep and seeding. Plants, shrubs, and trees will begin soon along with placement to goose protection fencing to help ensure successful restoration. The construction phase of this project was completed in June with minor punch list items completed in September. The restoration and planting phase is complete except for minor punch list items and monitoring and establishment of vegetation over three growing seasons. A final grant report for BWSR's Watershed Based Implementation Funding was submitted at the end of January. Project website: <http://www.bassettcreekwmo.org/index.php?cID=433> .

**2020 Bryn Mawr Meadows Water Quality Improvement Project (BC-5), Minneapolis:** A feasibility study by the Commission Engineer began last fall and included wetland delineations, soil borings, public open houses held in conjunction with MPRB's Bryn Mawr Meadows Park improvement project, and input from MPRB's staff and design consultants. At their meeting in April, the Commission approved a TAC and staff recommendation to move this project from implementation in 2019 to design in 2020 and construction in 2021 to better coincide with the MPRB's planning and implementation of significant improvements and redevelopment Bryn Mawr Meadows Park where the project will be located. The final feasibility study was approved at the January 2019 Commission meeting. Staff discussed the maintenance of Penn Pond with MnDOT and received written confirmation that pond maintenance will occur prior to the park's reconstruction project with coordination among the BCWMC, MPRB, and MnDOT. A public

hearing for this project was held September 19, 2019. The project was officially ordered at that meeting. An agreement with the MPRB and the city of Minneapolis will be considered at a future meeting. In January 2020 this project was awarded a \$400,000 Clean Water Fund grant from BWSR; a grant work plan was completed and the grant with BWSR was fully executed in early May. The project and the grant award was the subject of an article in the Southwest Journal in February: <https://www.southwestjournal.com/voices/green-digest/2020/02/state-awards-grant-to-bryn-mawr-runoff-project/>. In early September, Minneapolis and MPRB staff met to review the implementation agreement and maintenance roles. BCWMC developed options for contracting and implementation which were presented at the November meeting. At that meeting staff was directed to develop a memorandum of understanding or agreement among BCWMC, MPRB, and city of Minneapolis to more formally recognize and assign roles and responsibilities for implementation. The draft agreement was sent to MPLS and MPRB staff earlier this week in advance of a meeting with them about the project scheduled for January 14<sup>th</sup>. The agreement is being reviewed by MPLS and MPRB. A meeting among the partners to review comments was held April 2. Staff continues to work on revisions to agreement. The Commission will consider a waiver to potential conflict of the Commission legal counsel at the May meeting and will review final agreement at the June meeting. The Commission Engineer will present a proposal for project design at this meeting. Project website: <http://www.bassettcreekwmo.org/projects/all-projects/bryn-mawr-meadows-water-quality-improvement-project>

**2020 Jevne Park Stormwater Improvement Project (ML-21) Medicine Lake (No change since Oct 2019):** At their meeting in July 2018, the Commission approved a proposal from the Commission Engineer to prepare a feasibility study for this project. The study got underway last fall and the city's project team met on multiple occasions with the Administrator and Commission Engineer. The Administrator and Engineer also presented the draft feasibility study to the Medicine Lake City Council on February 4, 2019 and a public open house was held on February 28<sup>th</sup>. The feasibility study was approved at the April Commission meeting with intent to move forward with option 1. The city's project team is continuing to assess the project and understand its implications on city finances, infrastructure, and future management. The city received proposals from 3 engineering firms for project design and construction. At their meeting on August 5<sup>th</sup>, the Medicine Lake City Council voted to continue moving forward with the project and negotiating the terms of the agreement with BCWMC. Staff was directed to continue negotiations on the agreement and plan to order the project pending a public hearing at this meeting. Staff continues to correspond with the city's project team and city consultants regarding language in the agreement. The BCWMC held a public hearing on this project on September 19, 2019 and received comments from residents both in favor and opposed to the project. The project was officially ordered on September 19, 2019. On October 4, 2019, the Medicine Lake City Council took action not to move forward with the project. At their meeting on October 17<sup>th</sup>, the Commission moved to table discussion on the project. The project remains on the 2020 CIP list. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=467>.

**2019 Westwood Lake Water Quality Improvement Project (WST-2) St. Louis Park (No change since October 2020):** At their meeting in September 2017, the Commission approved a proposal from the Commission Engineer to complete a feasibility study for this project. The project will be completed in conjunction with the Westwood Hills Nature Center reconstruction project. After months of study, several meetings with city consultants and nature center staff, and a public open house, the Commission approved Concept 3 (linear water feature) and set a maximum 2019 levy at their May meeting. 50% designs were approved at the July meeting and 90% design plans were approved at the August meeting. The Hennepin County Board approved a maximum 2019 levy request at their meeting in July. A BCWMC public hearing on this project was held on August 16<sup>th</sup> with no comments being received. At that meeting the Commission officially ordered the project and entered an agreement with the City of St. Louis Park to design and construct the project and directed the Education Committee to assist with development of a BCWMC educational sign for inside the nature center. The draft sign was presented at the October 2017 meeting and was finalized over the winter. The Sun Sailor printed [an article](#) on the project in October 2018. The project is largely complete and a ribbon cutting by the city was held September 13<sup>th</sup>. The building and site are open to the public and being used to educate students. There are still punch list items which must be addressed by the contractor to finalize the work. The system is capturing stormwater runoff from roof and paving, and the runoff

is being stored underground and pumped via solar or hand pumps into the engineered creek. None of the captured water is flowing over land into Westwood Lake. The educational sign indoors is installed. Project website: <http://www.bassettcreekwmo.org/projects/all-projects/westwood-lake-water-quality-improvement-project>.

**2017 Main Stem Bassett Creek Streambank Erosion Repair Project (2017CR-M) (no change since Feb):** The feasibility study for this project was approved at the April Commission meeting and the final document is available on the project page at: <http://www.bassettcreekwmo.org/index.php?cID=281>. A Response Action Plan to address contaminated soils in the project area was completed by Barr Engineering with funding from Hennepin County and was reviewed and approved by the MPCA. The Commission was awarded an Environmental Response Fund grant from Hennepin County for \$150,300 and a grant agreement is in the process of being signed by the county. A subgrant agreement with the City will be developed. The City hired Barr Engineering to design and construct the project. Fifty-percent and 90% designs were approved at the August and October Commission meetings, respectively. In September 2017, design plans were presented by Commission and city staff to the Harrison Neighborhood Association's Glenwood Revitalization Team committee and through a public open house on the project. Construction was to begin summer of 2018 but was delayed until due to the unanticipated need for a field based cultural and historical survey of the project area required by the Army Corps of Engineers and ongoing negotiations with Pioneer Paper.

Construction began in November 2020 with clearing and grubbing to have access to the creek and to remove trees from the work area. In the Fruen Mill Reach work was completed per design plans on the south side of the creek, including stabilizing the existing MPRB trail, installing riprap toe protection and grading the bank. In the Cedar Lake Road to Irving Avenue Reach, the City was unable to come to an agreement with Pioneer Paper to get the amount of access needed to install the VRSS on the north side of the creek. The property owner allowed access to the streambank but instead of installing VRSS through this reach the City installed riprap toe protection, removed debris, completed bank grading and live staking and seeding, and installed the in-stream rock vanes to divert flows away from the steep banks. In Irving Avenue to the tunnel reach, the work was completed according to design plans with the installation of live staking, rock vanes within the stream channel, removal of brush and invasive species, and the installation of live stakes and fascines to encourage native plant growth and minimize bank erosion. Construction was completed in December 2020. An ERF grant report and RAP report are currently being developed. Vegetation will be established this spring. Project Website: [www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-erosion-repair-project-cedar-lake-ro](http://www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-erosion-repair-project-cedar-lake-ro)

**2014 Schaper Pond Diversion Project and Carp Management, Golden Valley (SL-3) (no change since March):** Repairs to the baffle structure were made in 2017 after anchor weights pulled away from the bottom of the pond and some vandalism occurred in 2016. The city continues to monitor the baffle and check the anchors, as needed. Vegetation around the pond was planted in 2016 and a final inspection of the vegetation was completed last fall. Once final vegetation has been completed, erosion control will be pulled and the contract will be closed. The Commission Engineer began the Schaper Pond Effectiveness Monitoring Project last summer and presented results and recommendations at the May 2018 meeting. Additional effectiveness monitoring is being performed this summer. At the July meeting the Commission Engineer reported that over 200 carp were discovered in the pond during a recent carp survey. At the September meeting the Commission approved the Engineer's recommendation to perform a more in-depth survey of carp including transmitters to learn where and when carp are moving through the system. At the October 2020 meeting, the Commission received a report on the carp surveys and recommendations for carp removal and management. Carp removals were performed through the Sweeney Lake Water Quality Improvement Project. Results were presented at the February 2021 meeting along with a list of options for long term carp control. Commission took action approving evaluation of the long-term options to be paid from this Schaper Pond Project. Commission and Golden Valley staff met in March 2021 to further discuss pros and cons of various options. Evaluation results will be presented at a future meeting. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=277>.

**Sweeney Lake Water Quality Improvement Project, Golden Valley (SL-8) (No change since March):** This project was added to the 2020 CIP list after receiving a federal 319 grant from the MPCA. It is partially a result of the carp surveys completed through the Schaper Pond Diversion Project and a study of the year-round aeration on Sweeney Lake. This project will treat curly-leaf pondweed in spring 2020, will remove carp in summer 2020, and will perform an alum treatment on Sweeney Lake in late summer 2020. The project was officially ordered by the Commission after a public hearing in September 2019. A public open house on this project was held via Webex on April 8<sup>th</sup> with approximately 20 people joining. The open house presentation and a question and answer document are available online. The curly-leaf pondweed herbicide treatment was completed in May. Carp Solutions performed carp tracking and setting nets in early June. The first round of netting resulted in 334 carp removed from Sweeney Lake (mean length 620 mm, mean weight 3.1 kg), representing an estimated 29% of the total population. From Schaper Pond 82 carp removed which likely represents about 17% of the initial population. After another round of carp removals in late July, 118 additional carp were netted from Sweeney. Based on preliminary estimates, approximately 40% of the carp population was removed from Sweeney this summer. The carp biomass was reduced from approximately 129 kg/ha to 79 kg/ha, which is below the threshold where adverse impacts on water quality are expected. The first round of alum treatment was completed in late October. A grant report and payment request were submitted at the end of January. A report on the results of the carp removals and recommendations for future management were presented at the February 2021 meeting. Long term carp management evaluation will happen through the Schaper Pond Diversion Project funding. A one-page overview of 2020 activities and outcomes was developed for the Sweeney Lake Association and [posted online](#) in March. The project website: [Sweeney Lake Water Quality Improvement Project, SL-8](#)).

**2014 Twin Lake In-lake Alum Treatment, Golden Valley (TW-2): (No change since June 2018)** At their March 2015 meeting, the Commission approved the project specifications and directed the city to finalize specifications and solicit bids for the project. The contract was awarded to HAB Aquatic Solutions. The alum treatment spanned two days: May 18- 19, 2015 with 15,070 gallons being applied. Water temperatures and water pH stayed within the desired ranges for the treatment. Early transparency data from before and after the treatment indicates a change in Secchi depth from 1.2 meters before the treatment to 4.8 meters on May 20<sup>th</sup>. There were no complaints or comments from residents during or since the treatment. Water monitoring continues to determine if and when a second alum treatment is necessary. Lake monitoring results from 2017 were presented at the June 2018 meeting. Commissioners agreed with staff recommendations to keep the CIP funding remaining for this project as a 2<sup>nd</sup> treatment may be needed in the future. Project webpage: <http://www.bassettcreekwmo.org/index.php?cid=278>.

**2013 Four Seasons Area Water Quality Project/Agora Development (NL-2) (No change since Oct 2020):** At their meeting in December 2016, the Commission took action to contribute up to \$830,000 of Four Seasons CIP funds for stormwater management at the Agora development on the old Four Seasons Mall location. At their February 2017 meeting the Commission approved an agreement with Rock Hill Management (RHM) and an agreement with the City of Plymouth allowing the developer access to a city-owned parcel to construct a wetland restoration project and to ensure ongoing maintenance of the CIP project components. At the August 2017 meeting, the Commission approved the 90% design plans for the CIP portion of the project. At the April 2018 meeting, Commissioner Prom notified the Commission that RHM recently disbanded its efforts to purchase the property for redevelopment. In 2019, a new potential buyer/developer (Dominium) began preparing plans for redevelopment at the site. City staff, the Commission Engineer and I have met on numerous occasions with the developer and their consulting engineers to discuss stormwater management and opportunities with “above and beyond” pollutant reductions. Concurrently, the Commission attorney has been working to draft an agreement to transfer BCWMC CIP funds for the above and beyond treatment. At their meeting in December, Dominium shared preliminary project plans and the Commission discussed the redevelopment and potential “above and beyond” stormwater management techniques. At the April 2020 meeting, the Commission conditionally approved the 90% project plans. The agreements with Dominium and the city of Plymouth to construct the project were approved May 2020 and project designers coordinated with Commission Engineers to finalize plans per conditions. The redevelopment project is scheduled to be before the Plymouth City Council again on November 24<sup>th</sup> for approval of various items including final plat, the stormwater grant agreement, and site improvement performance agreement. If approved, Dominium is scheduled to close on the property in the first half of 2021 and potentially begin construction later next year. Project webpage: <http://www.bassettcreekwmo.org/index.php?cid=282>.

**2021 Parkers Lake Drainage Improvement Project (PL-7):** The feasibility study for this project was approved in May 2020 with Alternative 3 being approved for the drainage improvement work. After a public hearing was held with no public in attendance, the Commission ordered the project on September 17, 2020 and entered an agreement with the city of Plymouth to design and construct the project. The city hired WSB for project design which is currently underway. The Commission Engineers and I attended a meeting with city staff and WSB to review draft 60% plans. 60% plans will be presented at the June meeting. [www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project](http://www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project)

**2021 Parkers Lake Chloride Reduction Project (PL-7):** The feasibility study for this project was approved in May 2020 with Alternative 3 being approved for the drainage improvement work. After a public hearing was held with no public in attendance, the Commission ordered the project on September 17, 2020 and entered an agreement with the city of Plymouth to implement the project in coordination with commission staff. City staff and I have had an initial conversation about this project. The city plans to collect additional chloride data this winter in order to better pinpoint the source of high chlorides loads within the subwatershed. Partners involved in the Hennepin County Chloride Initiative (HCCI) are interested in collaborating on this project. A proposal from Plymouth and BCWMC for the “Parkers Lake Chloride Project Facilitation Plan” was approved for \$20,750 in funding by the HCCI at their meeting in March. The project will 1) Compile available land use data and chloride concentrations, 2) Develop consensus on the chloride sources to Parkers Lake and potential projects to address these sources, and 3) Develop a recommendation for a future pilot project to reduce chloride concentrations in Parkers Lake, which may be able to be replicated in other areas of Hennepin County, and 4) help target education and training needs by landuse. Plymouth staff and I are gathering technical experts for this project. An internal kickoff meeting is scheduled. Project website: [www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project](http://www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project)

**2021 Mt. Olivet Stream Restoration Project (ML-20):** The feasibility study for this project was approved in May 2020 with Alternative 3 being approved for the drainage improvement work. After a public hearing was held with no public in attendance, the Commission ordered the project on September 17, 2020 and entered an agreement with the city of Plymouth to design and construct the project. The city hired WSB for project design which is currently underway. The Commission Engineers and I attended a meeting with city staff and WSB to review draft 60% plans. 60% plans will be presented at the June meeting. [www.bassettcreekwmo.org/projects/all-projects/mt-olivet-stream-restoration-project](http://www.bassettcreekwmo.org/projects/all-projects/mt-olivet-stream-restoration-project)

**2021 Main Stem Lagoon Dredging Project (BC-7):** The feasibility study for this project was approved in May 2020 with Alternative 2-all (dredge all three lagoons to 6-foot depth) being approved. After a public hearing was held with no public in attendance, the Commission ordered the project on September 17, 2020. Rather than entering an agreement with a separate entity to design and construct this project, the Commission will implement the project in close coordination with the MPRB. At their meeting in November, the Commission approved a timeline for implementation and the Commission Engineer was directed to prepare a scope of work for project design and engineering. That scope is presented in 5C at this meeting. Design and permitting should get underway in summer 2021. Dredging of all three lagoons is planned for winter 2022/2023. A grant agreement for the \$250,000 Watershed Based Implementation Funding grant was approved at the January meeting. The project work plan was approved by BWSR. The Commission recently approved a grant agreement for a Hennepin County Opportunity Grant for this project. Project website: [www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-lagoon-dredging-project](http://www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-lagoon-dredging-project)

**2021 Cost-share Purchase of High Efficiency Sweeper (ML-23) (No change since Dec):** Because the Commission had not entertained a project like this in the past (to cost share equipment purchase), this proposed project was discussed by the Commission in February and April, 2020 after being recommended for approval by the TAC. The Commission approved a [policy](#) regarding the use of CIP funds for equipment purchases at their April 2020 meeting. The project was added to the CIP through a Watershed Plan Amendment adopted in August 2020 and was officially ordered by the Commission on September 17, 2020 after a public hearing. The Commission entered an agreement with the city of Plymouth which includes reporting requirements for street sweeper use and effectiveness. The first report is expected spring 2021.

**2022 Medley Park Stormwater Treatment Facility (ML-12) (See Item 6A):** The feasibility study for this project is underway after the Commission Engineer’s scope of work was approved last August. City staff, Commission Engineers and I collaborated on developing materials for public engagement over the fall/early winter. A project kick-off meeting was held

in September, an internal public engagement planning meeting was held in October, and a Technical Stakeholder meeting with state agencies was held in November. A [story map of the project](#) was created and a survey to gather input from residents closed in December. Commission Engineers reviewed concepts and cost estimates have been reviewed by city staff and me. Another public engagement session was held in April to showcase and receive feedback on concept designs. A draft feasibility report will be presented at this meeting. [www.bassettcreekwmo.org/projects/all-projects/medley-park-stormwater-treatment-facility](http://www.bassettcreekwmo.org/projects/all-projects/medley-park-stormwater-treatment-facility)

**2022 SEA School-Wildwood Park Flood Reduction Project (BC-2, 3, 8, 10) (See Item 6B):** The feasibility study for this project is underway after the Commission Engineer’s scope of work was approved last August. A project kick-off meeting with city staff was held in late November. Meetings with city staff, Robbinsdale Area School representatives, and technical stakeholders were held in December, along with a public input planning meeting. A virtual open house video and comment form are now available for the public. Live chat sessions were held April 8<sup>th</sup>. A draft feasibility study report will be presented at this meeting. [www.bassettcreekwmo.org/projects/all-projects/sea-school-wildwood-park-flood-reduction-project](http://www.bassettcreekwmo.org/projects/all-projects/sea-school-wildwood-park-flood-reduction-project).

**Administrator Report April 6 – May 9, 2021**

Subject	Work Progress
<b>Work with Member Cities &amp; Partners</b>	<ul style="list-style-type: none"> <li>• Attend and participate in meeting with AMLAC and TRPD on French Regional Park Master Plan Update</li> <li>• Coordinate with MDNR, TRPD and contractor re: herbicide application and permitting on Medicine Lake</li> <li>• Respond to request for information from AMLAC re: future AIS management on Medicine Lake</li> <li>• Participate in meeting with Met Council Environmental Services staff and Commission Engineers re: WOMP monitoring, CAMP monitoring, other possibilities for collaboration, planning, monitoring, data analyses</li> <li>• Coordination with Lost Lake CAMP volunteer, city of Plymouth, and Commission Engineer re: blue green algae bloom on Lost Lake and communication with residents</li> <li>• Participate in annual coordination meeting the city of St. Louis Park staff</li> </ul>
<b>Budget &amp; Finances</b>	<ul style="list-style-type: none"> <li>• Post FY2020 financial audit online, ensure submittal to state agencies</li> <li>• Prepare second “working draft” of 2022 operating budget with input from March Budget Committee meeting and further consultant input</li> <li>• Prepare agenda and materials for Budget Committee meeting, participate in meeting</li> <li>• Communicate invoicing timeline with contractors</li> <li>• Review April invoices, code and send to Redpath</li> <li>• Update BCWMC grant tracking spreadsheet</li> </ul>
<b>Education</b>	<ul style="list-style-type: none"> <li>• Review and post May education video</li> <li>• Review and comment on education column</li> <li>• Review WMWA meeting materials and attend meeting</li> <li>• Meet with Blake School students at Bassett Creek and Van White Blvd.</li> <li>• Meet with Water Steward and Crystal city staff at Valley Park re: improved drainage and vegetation potential; mail education materials to Water Steward</li> <li>• Correspond with WCCO reporter re: Finding Minnesota segment; scope interview locations, coordinate with Golden Valley staff and Mayor Harris, and Chair Cesnik; participate in interview</li> <li>• Coordinate with Friends of Northwood Lake re: upcoming annual meeting presentation</li> <li>• Write and submit letter of support for Bassett’s Creek Park Stewardship Group’s grant application to Hennepin County</li> <li>• Meet with D. Pape re: “Making Connections” series ideas and outreach in Harrison Neighborhood ideas</li> <li>•</li> </ul>

<b>CIP</b>	<ul style="list-style-type: none"> <li>• <u>Medley Park Stormwater Improvement Project</u>: Review and provide comments on draft feasibility study</li> <li>• <u>SEA School-Wildwood Flood Reduction Project</u>: Review and provide comments on draft feasibility study; participate in virtual public open house live chat session on April 8<sup>th</sup></li> <li>• <u>Bryn Mawr Water Quality Improvement Project</u>: Continue to coordinate and correspond with partners on provisions of agreements; correspond with Commission attorney re: potential conflict of interest and with Commissioner Welch re: comments on agreement; review statements of qualifications from firms responding to request for qualifications for MPRB Bryn Mawr Park design</li> <li>• <u>Parker’s Lake Chloride Reduction Project</u>: Participate in facilitation project kick-off meeting with Plymouth staff and Young Environmental; review/edit meeting notes</li> <li>• <u>Parkers Lake and Mt. Olivet Drainage Projects</u>: Review draft 60% design plans with Plymouth staff, Commission Engineer, and Plymouth design consultants (WSB, Inc.)</li> <li>• <u>DeCola Ponds B &amp; C</u>: Review project abstract for consideration of presentation at 2021 Water Resources Conference</li> </ul>
<b>Grants</b>	<ul style="list-style-type: none"> <li>• Prepare and submit final invoice to DNR for FEMA Flood Risk Mapping Project</li> <li>• Prepare 1<sup>st</sup> quarter grant budget update and invoice for Sweeney Lake Water Quality Improvement Project 319 Grant</li> </ul>
<b>Henn Co. Chloride Initiative</b>	<ul style="list-style-type: none"> <li>• Correspond with RPBCWD and NMCWD staff re: training opportunities for Chloride Management Plan Template project technical advisors</li> <li>• Review and comment on draft report from U of M student; discuss report with two HCCI members</li> <li>• Work with two HCCI members to develop potential next steps for HCCI project</li> <li>• Develop agenda and materials for HCCI meeting and send to group</li> <li>• Participate in HCCI meeting; lead discussion; take notes</li> </ul>
<b>MAWD</b>	<ul style="list-style-type: none"> <li>• Assist with updates to MAWD Handbook and participate in MAWA Handbook Committee meeting</li> <li>• Attend meeting re: Watershed Based Implementation Funding program</li> </ul>
<b>Environmental Justice</b>	<ul style="list-style-type: none"> <li>• Participate in meeting of Environmental Justice Committee’s Comp Plan Review workgroup meeting</li> <li>• Schedule meeting with Alt. Commissioner McDonald Black re: possible internship opportunity</li> </ul>
<b>Administration</b>	<ul style="list-style-type: none"> <li>• <u>Proposed Minor Plan Amendment</u>: Prepare and disseminate public hearing notice for official publication; review comment period extension request from Hennepin County; review comments from agencies</li> <li>• <u>PRAP</u>: Complete standard checklist of accomplishments; review and report progress on 122 policies listed in 2015 watershed plan and coordinate with Commission Engineer where needed; submit all materials to BWSR</li> </ul>
<b>Other Issues &amp; Projects</b>	<ul style="list-style-type: none"> <li>• <u>Twin Lake Water Quality and Riparian Area</u>: Correspondence with residents, MPRB staff, GV staff, Chair Cesnik on issue; visit site with Sweeney Lake Association member and take photos; participated in meeting the MPRB and GV staff to learn more and discuss next steps for restoration, erosion control, community engagement – determined that slope stabilization is very large project that is not in anyone’s current budget (possibility to collaborate on grant application); MPRB will include Twin Lake beach in the rotation of their Community Connections and Violence Prevention staff in hopes of decreasing unlawful activity; although additional vegetation removal near the top of the slope may be needed to help improve sight lines for emergency personnel, that activity is not planned until after further engagement with residents; I will attend a meeting hosted by GV for residents on May 10<sup>th</sup>; MPRB may review the Master Plan for this area – that activity would require significant public input.</li> </ul>