

AGENDA

Tuesday, June 11, 2019

6:00 PM

Prior Lake City Hall

www.plslwd.org

BOARD OF MANAGERS:

Mike Myser, President; Fred Corrigan, Vice President; Charlie Howley, Treasurer;

Bruce Loney, Secretary; Curt Hennes, Manager

Note: Indicated times are estimates; actual times may vary considerably. Individuals with items on the agenda or who wish to speak to the Board are encouraged to be in attendance when the meeting is called to order.

Board Workshop 4:30 PM – Wagon Bridge Conference Room (Downstairs)

4:30-4:35 p.m. Introduce Interns

4:35-5:30 p.m. Closed Meeting: District Administrator's Performance Review

5:30-5:35 p.m. Spring Lake Association Video Staff Request

5:35-5:45 p.m. Emerging Issues

6:00 – 6:05 PM 1.0 **BOARD MEETING CALL TO ORDER & PLEDGE OF ALLEGIANCE**

6:05 – 6:10 PM 2.0 **PUBLIC COMMENT**

If anyone wishes to address the Board of Managers on an item not on the agenda or on the consent agenda please come forward at this time, turn on the microphone and state your name and address. (The Chair may limit your time for commenting.)

6:10 – 6:15 PM 3.0 **APPROVAL OF AGENDA** (Additions/Corrections/Deletions)

6:15-7:15 PM 4.0 **OTHER OLD/NEW BUSINESS**

4.1 Programs & Projects Update (Discussion Only)

- Water Quality
- Upper Subwatershed Storage
- AIS
- Spring Flood Damage (Kici Yapi)

4.2 Carp Management Strategy (WSB and Staff) (Discussion Only)

4.3 Legislative Update (Discussion Only)

- Carp Management
- Upper Subwatershed Storage/Bonding Bill
- LCCMR: Innovative Ideas for In-Lake Phosphorus

4.4 Summer/Fall District Tours (Discussion Only)

4.5 Budget Preparation Process (Discussion Only)

4.6 Staff Timesheet Expansion (Discussion Only)

4.7 Public Infrastructure Projects Recommendation (Vote)

- 7:15-7:25 PM **5.0 CONSENT AGENDA**
The consent agenda is considered as one item of business. It consists of routine administrative items or items not requiring discussion. Items can be removed from the consent agenda at the request of the Board member, staff member, or a member of the audience. Please state which item or items you wish to remove for separate discussion.
- 5.1 Meeting Minutes – May 14 Board Workshop & Board Meeting
 - 5.2 Meeting Minutes—May 30 CAC
 - 5.3 Claims List
 - 5.4 Living Hope Church Easement Amendment (Final)
 - 5.5 Christian Morkeberg’s CAC Application
 - 5.6 Permit #19-02 SMSC-Kici Yapi
 - 5.7 Permit #19-03 Scott County Ditch 13
- 7:25-7:35 PM **6.0 TREASURER’S REPORT**
- 6.1 Cash & Investments (Discussion Only)
 - 6.2 First Quarter Cost Analysis (Discussion Only)
 - 6.3 Financial Report (Discussion Only)
- 7:35-7:45 PM **7.0 Manager Presentations on Watershed-related Items (Discussion Only)**
- 7:45 – 7:50 PM **8.0 UPCOMING MEETING/EVENT SCHEDULE:**
- CAC Meeting, Thursday, June 27th from 6:30-8:00 PM, Prior Lake City Hall
 - MAWD Summer Tour Thursday, June 27-June 28

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

JUNE 2019

PROGRAMS & PROJECTS UPDATE

Capital Projects

PROJECT	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
Public Infrastructure Partnership Projects <i>Project Lead: Maggie & Kathryn</i>	<ul style="list-style-type: none"> EOR provided additional information for the Public Infrastructure Partnership Projects to assess cost/benefit. Initial site prep started for the Fish Lake shoreline restoration project has started. 	<ul style="list-style-type: none"> Move forward with Board approved Public Infrastructure Partnership Projects.
Storage & Infiltration Projects <i>Project Lead: Diane</i>	<ul style="list-style-type: none"> Discussed DNR's concerns with Board Advised the two property owners about the delay 	<ul style="list-style-type: none"> Board approval to move ahead with a strategy
Carp Management <i>Rough Fish Management (Class 611)</i> <i>Carp Management Project (Class 750 & 751)</i> <i>Project Lead: Maggie, Jeff & Kathryn</i>	<ul style="list-style-type: none"> Continued to track radio-tagged carp throughout the lakes. Worked with WSB to complete electrofishing and gill netting removals on Upper Prior Lake. To date, 382 carp have been removed from the Arctic Lake outlet area in Crystal/Mud Bay totaling over 4,000 pounds. WSB completed PIT tagging & electrofishing efforts on Geis wetland, Northwood pond, desilt pond & CD-13 channel. Installed temporary Northwood carp barrier. Freemont PIT tag station now powered by solar. 	<ul style="list-style-type: none"> WSB and PLSLWD staff will continue to track the radio-tagged tagged carp. Install permanent Northwood carp barrier. Final design and installation of the FeCl barrier redesign. Carp removals in Geis wetland & Northwood wetland (electrofishing/box traps/trap nets). Repair and reinstall drum barrier at desilt pond. Work with WSB to schedule and coordinate upcoming carp removals/tagging in Geis wetland and where opportunities exist in Upper Prior. Analyze PIT tag station "hits" for movements and trends.

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

Operations & Maintenance

PROGRAM	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
Ferric Chloride System Operations <i>Project Lead: Jaime</i>	<ul style="list-style-type: none"> Sampled 1x/week Inspect shed/pump 3x/week DMR Report 	<ul style="list-style-type: none"> New walkway and fish barrier Look into permanent fix to driveway for ferric delivery Sample 1x/week Inspect 3x/week DMR Report
Farmer-Led Council <i>Project Lead: Maggie</i>		<ul style="list-style-type: none"> Continue to solicit new participants for the cover crop initiative. Explore farmer mentorship program with FLC members. Prep for next meeting in July and line up guest speaker.
Cost Share Incentives <i>Project Lead: Kathryn, Diane</i>	<ul style="list-style-type: none"> Verified installation of installed projects and processed applications. 	<ul style="list-style-type: none"> Process applications as they are received. Verify installation of completed projects.
Spring Lake Parcel Restoration Project <i>Project Lead: Maggie & Kathryn</i>		<ul style="list-style-type: none"> Order and install large sign visible from lake. Monitor restoration and control invasive species during growing season. Install small plant identification signs.
Raymond Park Restoration Project <i>Project Lead: Kathryn</i>		<ul style="list-style-type: none"> Install educational interpretative signs. GRG will continue maintenance at park in 2019. Follow-up visits will keep buckthorn and other invasives at bay. Additional seeding will be done this year, if needed.
Fish Lake Shoreline & Prairie Restoration Project <i>Project Lead: Kathryn</i>	<ul style="list-style-type: none"> Project area marked for restoration work. MN Native Landscapes begins initial restoration work Coordinated with Spring Lake Township & MNL. 	<ul style="list-style-type: none"> MNL continue initial restoration work.

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

Operations & Maintenance

PROGRAM	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
CR 12/17 Wetland Restoration <i>Project Lead: Maggie</i>	<ul style="list-style-type: none"> Coordinated with City and AES to line up spring maintenance work. Raised water levels this month by adjusting Agri-drain outlets in the basins. Discovered piping & underground channeling along/near outlet structures of two of the wetland basins and the stormwater pond. This has been a re-occurring problem at the site and the County/City have been contacted. 	<ul style="list-style-type: none"> Continue to work with AES on invasive species control and vegetation establishment. Coordinate with the County & City to make sure that the issues have been resolved at the outlet structures.
Lower Prior Lake Retrofit Projects <i>Project Lead: Maggie</i>	<ul style="list-style-type: none"> Coordinated with AES on upcoming work this growing season. 	<ul style="list-style-type: none"> Continue to work with AES on site maintenance until the projects are fully established and accepted by the City of Prior Lake. Install interpretive signs for projects.

PRIOR LAKE – SPRING LAKE



WATERSHED DISTRICT

Planning

PROGRAM	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
<i>District Plan Update</i> <i>Project Lead: Diane</i>	<ul style="list-style-type: none">• Revising the format	<ul style="list-style-type: none">• Meet with staff to review changes• Meet with EOR to review changes
<i>Feasibility Reports</i> <i>Project Lead: Maggie</i>	<ul style="list-style-type: none">• Final work plan for BWSR grant has been approved.• Worked with EOR on a Scope of Work for the two feasibility studies which will be completed by the end of the year.	<ul style="list-style-type: none">• EOR will begin gathering information for the two feasibility studies.

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

Education & Outreach

PROGRAM	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
Website and Media <i>Project Lead: Kathryn</i>	<ul style="list-style-type: none"> • As of June 5, 4:00 pm: • Website articles posted—Abnormal conditions on Spring/UP Lakes; Tour ferric chloride system; 3000 lbs carp removed from Upper Prior; Shoreline workshop June 11; Lake level update (May 28). • Scott Co. SCENE articles. • Prior Lake Am articles: CWCU results; photo of the week – carp removal. • Facebook & Twitter- continuing Trivia Tuesday (question posted on Tues, answer posted Wed). • Facebook: <ul style="list-style-type: none"> • 498 page followers, 15 new followers • 33 Posts w/ 100+ views • Twitter: 10,900 total post impressions. <ul style="list-style-type: none"> • 290 followers, 2 new followers. • 19 Tweets w/ 200+ views 	<ul style="list-style-type: none"> • Continue writing posts and updates about projects • Will tweet and/or update Facebook about projects & news.
Citizen Advisory Committee <i>Project Lead: Diane & Kathryn</i>	<ul style="list-style-type: none"> • Met on May 30 • Will assist with the District's 50th year Anniversary activities • Board members discussed future CAC activities with the CAC • Continue to work on new member Welcome Packet 	<ul style="list-style-type: none"> • Next CAC meeting is on June 27
MS4 Education Program <i>Project Lead: Kathryn</i>	<ul style="list-style-type: none"> • Implement education activities 	<ul style="list-style-type: none"> • Implement education activities • Annual Report due 6/30

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

Monitoring & Research

PROGRAM	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
Monitoring <i>Project Lead: Jaime</i>	<ul style="list-style-type: none"> • Data management. • Database maintenance/entry. • Long Term Monitoring Plan • Took samples and flow measurements • Level logger equipment install • Brown water complaints on Spring and Upper Prior • Long Term Monitoring Plan 	<ul style="list-style-type: none"> • Data management. • QA/QC data. • Enter data into the water quality database • Finish Long-Term Monitoring Plan for WRMP
Aquatic Vegetation Management and Surveys (Class 626 and 637) <i>Project Lead: Jaime</i>	<ul style="list-style-type: none"> • Treat 15 acres of CLP on Spring and 15 acres of CLP on Upper Prior • Put reports on website • Aquatic Plant ID workshop 	<ul style="list-style-type: none"> • BioBase report. • Assess CLP treatment in June

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

Regulation

PROGRAM	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
<i>BMPs & Easements</i> <i>Project Lead: Maggie & Kathryn</i>	<ul style="list-style-type: none"> Corresponded and followed up with easement amendment landowners in-progress. Reached final easement amendment draft ready for approval with Living Hope Church. Assisted Chambers with locating a surveyor for their amendment project. Followed up with developers on other potential new easements for Majestic and Park Haven. Worked with landowners to resolve existing violation issues on their properties prior to the annual inspections. Mailed pre-inspection letters for June inspections. Started annual easement inspections. Worked on easement baseline reports. Interns started work last week of May. 	<ul style="list-style-type: none"> Review amendment requests as they are received and work with landowners towards closing out approved amendment requests. Work with landowners to resolve easement violations. Create baseline documentation for each conservation easement property. Continue annual easement inspections. Send pre-inspection letters for July inspections. Send post-inspection letters for completed inspections.
<i>Permitting</i> <i>Project Lead: Maggie & Jeff</i>	<ul style="list-style-type: none"> Completed erosion & sediment control inspections for permits in active construction. Followed-up with permittees on problem areas. Reviewed applications for upcoming Permits #19.02 and #19.03 for culvert repair/replacement projects. Trained interns on conducting inspections for active permit sites. 	<ul style="list-style-type: none"> Continue to inspect, follow-up on and close remaining open permits. Board review/approval of Permits #19.02 & #19.03 at its June meeting. Issue permits for #18.06 and #19.01 once conditional items are met. Execute Stormwater Credit MOA with the County.
<i>Rules Revisions</i> <i>Project Lead: Diane</i>	<ul style="list-style-type: none"> No activity 	<ul style="list-style-type: none"> Reconvene the TAC.

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

Prior Lake Outlet Structure & Channel

ACTIVITY	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
Prior Lake Outlet Channel <i>Project Lead: Jaime</i>	<ul style="list-style-type: none"> Increased frequency of outlet channel inspections. Cleared obstructions in culverts Kept low-flow gate open 	<ul style="list-style-type: none"> Weekly channel inspections.
Channel Bank Erosion (FEMA) <i>Project Lead: Diane</i>	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Continue construction in late summer/fall
JPA/MOA & TAC Meetings & Admin <i>Project Lead: Diane & Jaime</i>	<ul style="list-style-type: none"> May 2 Cooperators Mtg Start 2020 PLOC Workplan and budget 	<ul style="list-style-type: none"> TAC Mtg June 13 & July 18 Cooperators Mtg Aug 8 2020 Workplan and budget
Invasive Species Removal <i>Project Lead: Jaime</i>	<ul style="list-style-type: none"> Spring channel inspection Spot treating Segments 1, 4, 5, 6, and 7. 	<ul style="list-style-type: none"> Summer inspection and treatments
MS4 Permit <i>Project Lead: Diane & Jaime</i>	<ul style="list-style-type: none"> Received notification that Annual Report is due June 30, 2019 and that a draft of the new permit is available for review 	<ul style="list-style-type: none"> Review annual permit draft
PLOC Easements <i>Project Lead: Diane</i>	<ul style="list-style-type: none"> Reviewed easements at Cooperators' meeting 	<ul style="list-style-type: none"> Review easements at TAC meeting

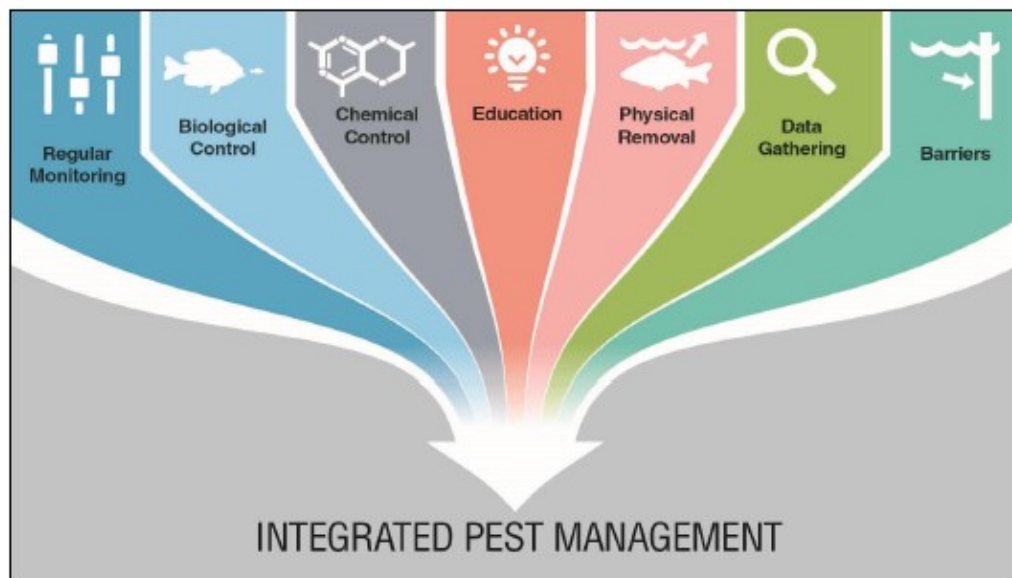
PRIOR LAKE - SPRING LAKE WATERSHED DISTRICT

MEMORANDUM

TO: BOARD OF MANAGERS
FROM: MAGGIE KARSCHNIA, WATER RESOURCES PROJECT MANAGER
SUBJECT: INTEGRATED PEST MANAGEMENT PLAN FOR COMMON CARP: 2019 UPDATE
DATE: JUNE 6, 2019

BACKGROUND

With the understanding that common carp play a role in the decline of water quality within the Prior Lake Spring Lake Watershed, the Board first approved the District's Integrated Pest Management (IPM) Plan for Common Carp on May 9, 2017 which was subsequently updated on May 8, 2018. The IPM Plan supports the District's water quality goals established for individual waterbodies throughout the watershed, as well as the goals of the 2011 Upper Prior and Spring lake TMDL.



The IPM Plan is intended to be a living document, using adaptive management that may develop new management strategies and plan goals through data collection and analysis. As new information and techniques are acquired, current approaches, data collection efforts, and prioritization may change. The IPM plan should be reviewed annually to provide updates to identified goals and action items and potentially add or modify goals as data collection may dictates.

UPDATING THE MANAGEMENT PLAN

The PLSLWD Carp IPM has been developed as a guidance document for the management of common carp populations within the Prior Lake Spring Lake Watershed. With the 2019 annual update to the IPM Plan, District staff would like to get the Board of Managers' feedback on proposed carp management techniques and timeline for implementing the next steps over the coming year.

DISCUSSION

At this time, District staff would like to get Board feedback and direction on the following items within the IPM Plan:

- **Data Collection:**
 - PIT tag stations: new proposed locations
 - Radio-tags: number tagged and waterbodies
- **Physical Removal:**
 - Management goals/waterbodies
 - Removal techniques and cost-effectiveness
- **Biological Control:**
 - Bluegills
- **Barriers:**
 - Current & proposed locations

WSB Environmental Scientists, the District's carp management contractors, will be helping lead the discussion on the upcoming update to the IPM Plan at the June Board meeting.

Questions to consider:

- *Would you prefer recommended management goals based on a scheduled timeline?*
- *Does the plan give you enough information to make future management decisions?*
- *Does this cover all of the management techniques and priority lakes you had in mind?*

NEXT STEPS

After receiving feedback from the Board, District staff will update the IPM Plan and present it to the Board at its July meeting for approval.

PRIOR LAKE – SPRING LAKE

W A T E R S H E D D I S T R I C T

4.3 Legislative Update

Board and staff will provide a legislative update on carp management, the bonding bill and LCCMR grant proposal.

PRIOR LAKE – SPRING LAKE

W A T E R S H E D D I S T R I C T

4.4 Summer or Fall District Tours

Board and staff will discuss locations and timing for District tours.

PRIOR LAKE – SPRING LAKE

W A T E R S H E D D I S T R I C T

4.5 Budget Preparation Process

Board and staff will discuss process and timing of budget preparation.

Approve Amy's Timesheet for 01 – 07 Jun 2019

Pending Hours

	Sat 01 Jun	Sun 02 Jun	Mon 03 Jun	Tue 04 Jun	Wed 05 Jun	Thu 06 Jun	Fri 07 Jun
[405] 405 - Admin (PLSLWD) Admin	0	0	2.00	2.00	2.00	2.00	2.00
[405] 405 - Admin (PLSLWD) PTO	0	0	0	0	0	0	1.00
[605] 605 - Projects (PLSLWD) Project Management	0	0	1.00	0	0	0	0
[611] 611 - Operations and Maintenance (PLSLWD) Alum Internal Loading CWF Application	0	0	0	0	0	1.00	0
[611] 611 - Operations and Maintenance (PLSLWD) Alum Internal Loading Reserve	0	0	0	0	1.00	0	0
[611] 611 - Operations and Maintenance (PLSLWD) Aquatic Vegetation Management	0	0	1.00	0	0	0	0
[611] 611 - Operations and Maintenance (PLSLWD) Cost Share	0	0	0	0	0	1.00	0
[611] 611 - Operations and Maintenance (PLSLWD) County Red 12/17 Maintenance	0	0	0	0	0	0	1.00
[611] 611 - Operations and Maintenance (PLSLWD) Farmer Led Council	0	0	1.00	1.00	0	0	0
[611] 611 - Operations and Maintenance (PLSLWD) FeCl Carp Barrier Tine Replacement Project	0	0	0	1.00	0	1.00	0
[611] 611 - Operations and Maintenance (PLSLWD) Fish Management/Removal	0	0	0	0	1.00	0	0
[611] 611 - Operations and Maintenance (PLSLWD) Fish Point Park Retrofits	0	0	0	0	0	0	1.00
[611] 611 - Operations and Maintenance (PLSLWD) Highway 13 Wetland, FeCl System & Desilt, O & M	0	0	1.00	1.00	0	0	0
[611] 611 - Operations and Maintenance (PLSLWD) Identify and Mitigate Channel Erosion	0	0	0	0	0	1.00	0
[611] 611 - Operations and Maintenance (PLSLWD) Indian Ridge Maintenance	0	0	0	0	1.00	0	1.00
[611] 611 - Operations and Maintenance (PLSLWD) Raymond Park Maintenance	0	0	0	1.00	0	0	0
	0	0	6.00	6.00	6.00	6.00	6.00

	Sat 01 Jun	Sun 02 Jun	Mon 03 Jun	Tue 04 Jun	Wed 05 Jun	Thu 06 Jun	Fri 07 Jun
[611] 611 - Operations and Maintenance (PLSLWD)	0	0	0	0	1.00	0	0
Spring Lake Parcel Maintenance	0	0	6.00	6.00	6.00	6.00	6.00

2019 POTENTIAL PROJECTS

Public Infrastructure Partnership Projects UPDATE

June 6, 2019

Background

Public Infrastructure Partnership Projects were identified in the 2010-2019 Water Resources Management Plan (WRMP) in Section 4.2.1.1. These funds were created to address the need to reduce runoff to the lakes, to reduce pollutant loading and to help manage the restricted outlet from Prior Lake. One strategy to reduce runoff to the lakes is to retrofit streets, highways, and other public infrastructure with volume management and load reduction BMPs on routine street, highway, and other reconstruction projects. Potential partners may include Prior Lake, Savage, Shakopee, Scott County, the SMSC, Spring Lake Township, and Sand Creek Township.

The WRMP suggested exploratory questions to help determine the benefit of the project, such as:

1. How much phosphorus pollution or water volume does the project prevent from entering lakes, particularly impaired lakes or lakes in the TMDL program?
2. To what degree does the project address other goals of the District, such as education or ecosystem restoration?
3. What is the level of commitment on the part of the partner organization to the project (monetary commitment and/or staff time)?
4. Is there a firm plan for maintaining the project construction (if applicable)?

Potential Projects

At its March meeting, the Board of Managers scored the eight potential 2019 projects as follows:

Project	Partner	Manager #1 Ranking	Manager #2 Ranking	Manager #3 Ranking	Manager #4 Ranking	Manager #5 Ranking	Ranking Score TOTAL
4) Redwing Avenue Ditch Checks &/or Filter Strips	Sand Creek Township	3	3	3	2	3	14
5) Ditch 13 Headwaters Stabilization Project	Scott County	2	2	4	3	6	17
8) Shared Infiltrometer for Construction Projects	Scott County	6	7	2	1	4	20
2) Fish Lake Shoreline Restoration Project	Spring Lake Township	5	6	1	7	2	21
3) Fairlawn Shores Drainage Improvement Project	City of Prior Lake	7	1	5	5	5	23
6) Sunset Hills Biofiltration Basin Project Design	City of Prior Lake	4	5	6	4	7	26
1) Jeffers South Stormwater Pond Retrofit Project	City of Prior Lake	8	4	8	8	1	29
7) Public Works Property Retrofit Project Design	Scott County	1	8	7	6	8	30

**Note: The lower the score, the better it ranked.*

Discussions with the Board following the scoring results at its April meeting led to the following directive:

1. Move forward with the Fish Lake Shoreline Restoration, the Shared Infiltrator, and the Fairlawn Shores Drainage Improvement projects.
2. Provide more information for the Red Wing Avenue Projects, the Ditch 13 Headwaters Project, and the Public Works project that includes refined cost estimates and phosphorus reduction information so that the Board may make a final decision.
3. Do not move forward with the Jeffers South project.

In response to #2 above, the attached fact sheets are intended to provide cost-benefit information for the three remaining 2019 potential projects. The following is a quick summary of the projects:

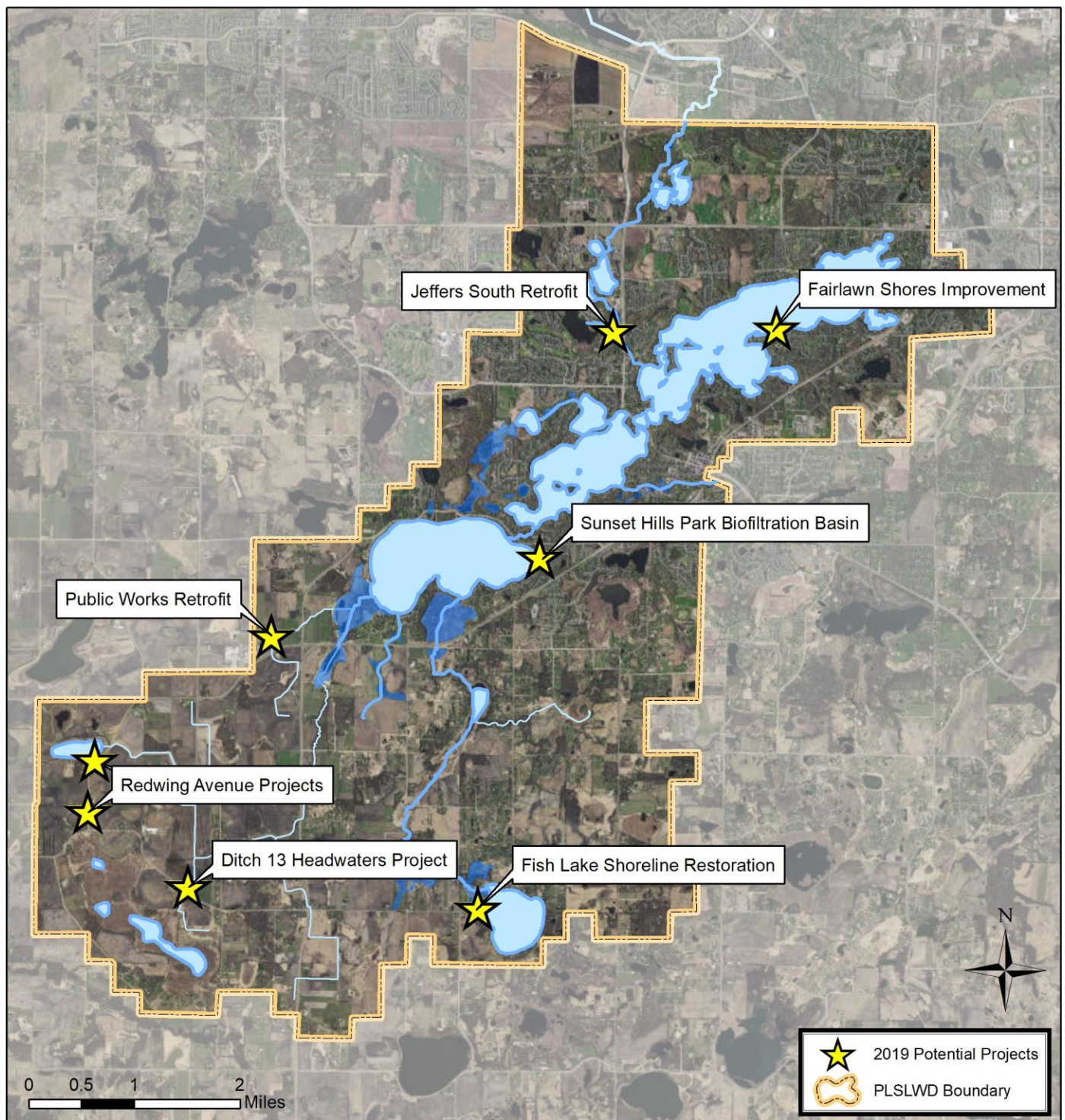
Project	Partner	Estimated Total P Removal (lb/year)	Estimated Cost	Cost Effectiveness (\$ per lb of P)
Ditch 13 Headwaters Stabilization Project	Scott County	11.2	\$107,500	\$9,598
Redwing Avenue Ditch Checks &/or Filter Strips	Sand Creek Twp	4.2	\$58,000	\$13,810
Public Works Property Retrofit Project Design	Scott County	3.7	\$123,000	\$33,243

Discussion

There is approximately \$70,000 of unallocated funds in the Public Infrastructure Partnership Projects budget for 2019. If the Board chooses, it may direct staff to move forward with both the engineering and construction for any project -or- only engineering work (not construction) for selected projects in 2019 with the intention of completing the construction in the 2020 budget.

District staff is looking for direction from the Board on which projects they would like to move forward with in 2019, if any.

Potential Project Locations



2019 PIPP Potential Projects DITCH 13 HEADWATERS PROJECT

\$9,598 per pound of P removed per year

Ditch 13 Headwaters Stabilization

The values below are estimated utilizing an average ditch cross section of a five foot bottom and 8 foot banks at a 1:1 slope.

Eroded Volume: 1104 ft³

Estimated Rate: 221 m³/yr

Estimated Phosphorus Removal by stopping erosion: 11.2 lb/yr

Ditch 13 Headwaters Stabilization

Project Description

The Sutton Lake outlet ditch north of North Sutton Lake Boulevard has significant bank erosion. Flow from the pipe outlet under the road drops approximately three feet into the ditch below where the riprap energy dissipation pool is inadequate and there is bank erosion along County Ditch 13 for approximately the next 250 feet.

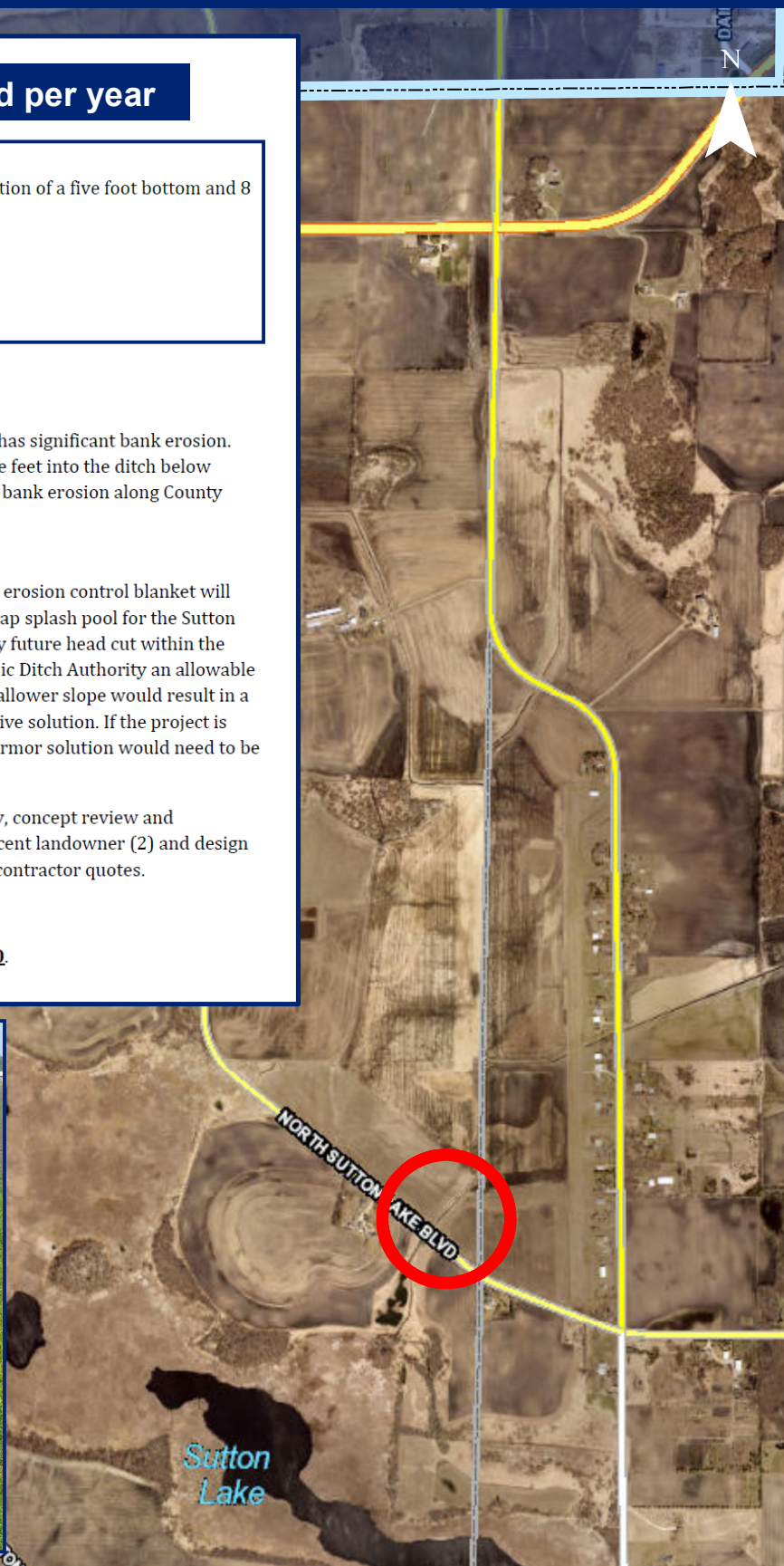
Project Scope

Regrading and stabilizing the ditch banks with seed and heavy duty erosion control blanket will prevent future bank sloughing. In addition, creating a sufficient riprap splash pool for the Sutton Lake Boulevard culvert will significantly slow flows and prevent any future head cut within the ditch. The District will need to discuss with the landowner and Public Ditch Authority an allowable project footprint for the work. Pulling the banks back to create a shallower slope would result in a larger construction footprint, but would likely be a more cost-effective solution. If the project is constrained within the current top-width of the ditch, then a hard-armor solution would need to be explored and would likely result in a costlier project.

Engineering services would include preliminary topographic survey, concept review and coordination meetings with the Public Ditch Authority and the adjacent landowner (2) and design and drafting of a construction plan sheet(s) sufficient for soliciting contractor quotes.

Estimated engineering services are **\$7,500**.

Ballpark estimate of construction cost range is **\$60,000 - \$100,000**.



2019 PIPP Potential Projects REDWING AVENUE PROJECTS

\$13,810 per pound of P removed per year

Redwing Avenue Ditch Improvements

South Redwing Avenue ditch

Drainage area: 17.5 acres

Total Phosphorus (TP) load: 6.5 lb/yr

Total Suspended Solids (TSS) load: 34.1 ton/yr

Estimated Removal rate: 50% (Filter strips and ditch checks)

TP Removal: 3.2 lb/yr

TSS Removal: 17.1 lb/yr

North Redwing Avenue R/W ditch

Drainage area: 5.1 acres

Total Phosphorus (TP) load: 2.0 lb/yr

Total Suspended Solids (TSS) load: 10.9 ton/yr

Estimated Removal rate: 50% (Filter strips and ditch checks)

TP Removal: 1.0 lb/yr

TSS Removal: 5.4 lb/yr

Project Description

The ditches at the intersection of Redwing Avenue and North Sutton Lake Boulevard have significant erosion. The ditch on the east side of Redwing is eroded from the field drain tile outlet south to the culvert under Sutton Lake Boulevard. The ditch north of Sutton Lake Boulevard appears to have a sediment blockage causing both sediment buildup and head cut erosion. There is also notable erosion at the outfall of the outlet of Swamp Lake. The outlet culvert extends from the bank approximately 10-15 feet beyond the riprap bank protection and there is a head cut in the right-of-way ditch south of the culvert outlet.

Project Scope

Preliminary recommendation is to regrade and stabilize the ditches with erosion control blanket and permeable ditch checks to stabilize the erosion at the intersection of Redwing Avenue and Sutton Lake Boulevard. Installing riprap energy dissipation at the outlet of the field drain tile would also aid in preventing future erosion. To provide water quality treatment, filter ditch checks, sand filter berms or filtration trenches are preliminarily recommended.

At the outlet of Swamp Lake, regrading and stabilizing the ditches with erosion control blanket and riprap ditch checks is recommended to stabilize the erosion and head cut currently occurring. Cutting the existing culvert to match into the bank and adding a flared end section and riprap splash pool to the shortened culvert would spread out the flow and further reduce the risk of future erosion. Installation of a small treatment basin in the right-of-way ditch upstream of the Swamp Lake outfall pipe is also recommended.

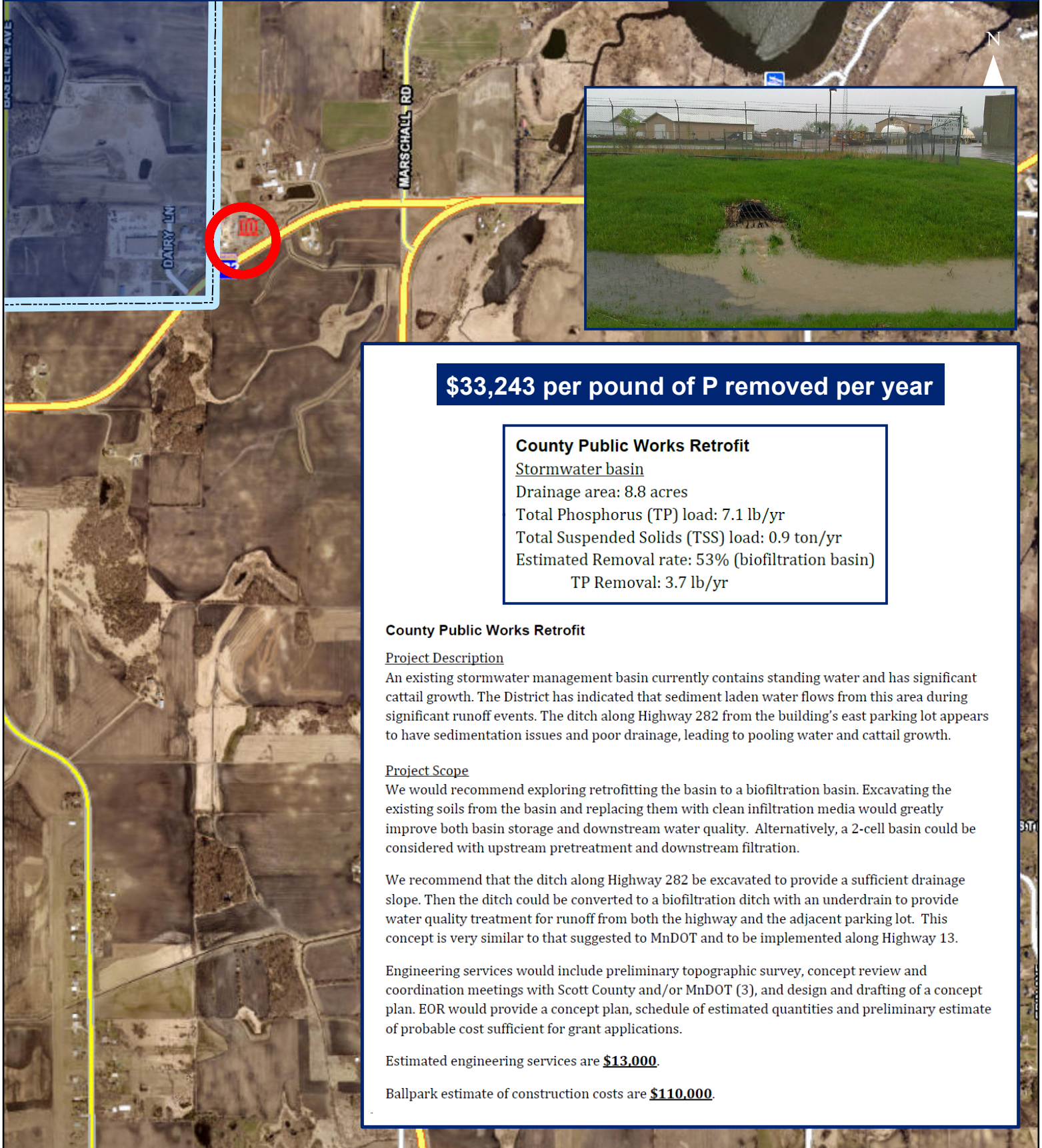
Engineering services would include preliminary topographic survey, concept review and coordination meetings with the Township (2), and design and drafting of a construction plan sheet(s) sufficient for solicitation of contractor quotes.

Estimated engineering services are **\$8,000**.

Ballpark estimate of construction costs are **\$50,000**.



2019 PIPP Potential Projects COUNTY PUBLIC WORKS PROJECT



\$33,243 per pound of P removed per year

County Public Works Retrofit

Stormwater basin

Drainage area: 8.8 acres

Total Phosphorus (TP) load: 7.1 lb/yr

Total Suspended Solids (TSS) load: 0.9 ton/yr

Estimated Removal rate: 53% (biofiltration basin)

TP Removal: 3.7 lb/yr

County Public Works Retrofit

Project Description

An existing stormwater management basin currently contains standing water and has significant cattail growth. The District has indicated that sediment laden water flows from this area during significant runoff events. The ditch along Highway 282 from the building's east parking lot appears to have sedimentation issues and poor drainage, leading to pooling water and cattail growth.

Project Scope

We would recommend exploring retrofitting the basin to a biofiltration basin. Excavating the existing soils from the basin and replacing them with clean infiltration media would greatly improve both basin storage and downstream water quality. Alternatively, a 2-cell basin could be considered with upstream pretreatment and downstream filtration.

We recommend that the ditch along Highway 282 be excavated to provide a sufficient drainage slope. Then the ditch could be converted to a biofiltration ditch with an underdrain to provide water quality treatment for runoff from both the highway and the adjacent parking lot. This concept is very similar to that suggested to MnDOT and to be implemented along Highway 13.

Engineering services would include preliminary topographic survey, concept review and coordination meetings with Scott County and/or MnDOT (3), and design and drafting of a concept plan. EOR would provide a concept plan, schedule of estimated quantities and preliminary estimate of probable cost sufficient for grant applications.

Estimated engineering services are **\$13,000**.

Ballpark estimate of construction costs are **\$110,000**.

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

WORKSHOP MEETING MINUTES

Tuesday, May 14, 2019

Prior Lake City Hall

Members Present: Curt Hennes, Bruce Loney, Charlie Howley, Fred Corrigan & Mike Myser

Staff Present: Diane Lynch, District Administrator

Others Present: Dave Beer, Scott County Board and Glenn Kelly, Spring Lake Township Board

The meeting was called to order by President Mike Myser at 4:30 p.m.

Deadlines for Board Retreat Topics

Diane reviewed recommended action items resulting from the recent Board retreat and the managers identified deadlines for those action items.

2018 Audit Review

Andy Berg, Abdo, Eick & Meyers, the District's Accountant, presented its findings for the 2018 audit.

MAWD Summer Tour

Fred Corrigan volunteered to go to the MAWD Summer Tour, representing the Board of Managers.

Emerging Issues

Diane mentioned Dan Kelly's request for staff to participate in a series of four videos. Managers instructed Diane to check with Mr. Kelly re. how many hours of staff time the association would like for three years.

The meeting adjourned at 5:50 p.m.

PRIOR LAKE – SPRING LAKE WATERSHED DISTRICT

REGULAR MEETING MINUTES

Tuesday, May 14, 2019

Prior Lake City Hall

6:00 PM

Members Present: Fred Corrigan, Curt Hennes, Charlie Howley & Bruce Loney

Members Absent: Mike Myser

Staff & Consultants Present: Diane Lynch, District Administrator
Maggie Karschnia, Water Resources Project Manager
Jaime Rockney, Water Resource Specialist
Carl Almer, EOR, District Engineer
Chris Schadow, HG & K, District Accountant
Andy Berg, Abdo, Eick & Meyers

Others Present: Jack Hammett, Prior Lake American
Melissa King, BWSR
Bill Diede, Anderson, Johnson & Associates
Brian Lompart, Resident

- **CALL TO ORDER/PLEDGE OF ALLEGIANCE:** Meeting called to order by Manager Fred Corrigan at 6:02 PM.
- **2.0 PUBLIC COMMENT:** None
- **3.0 APPROVAL OF AGENDA:**
Manager Howley to approve the agenda. Second by Manager Hennes. All ayes. Motion passed 4-0.

OTHER OLD/NEW BUSINESS

- **4.1 MANAGER PRESENTATIONS**
Managers presented on liaison meetings they have attended and/or other events in the District they have participated in.
- **4.2 PROGRAMS & PROJECT UPDATES**
Staff gave updates on current and ongoing District projects and activities.

- **4.3 PERMIT UPDATE COUNTY PUBLIC WORKS PERMIT**

Manager Loney moved to approve the application subject to the conditions noted herein. Second by Manager Hennes. All ayes. Motion passed 4-0.

- **4.4 2018 ANNUAL FINANCIAL AUDIT**

Manager Howley moved to accept the 2018 Annual Financial Audit presented by Andy Berg of Abdo, Eick & Meyers. Second by Manager Hennes. All ayes. Motion passed 4-0.

- **4.5 CARP FEASIBILITY STUDY FOR 1W1P FUNDING**

Manager Hennes moved to approve the carp feasibility study as written. Second by Manager Howley. All ayes. Motion passed 4-0.

- **4.6 PROJECT ASSURANCE AGREEMENT FOR 1W1P FUNDING**

Manager Loney moved to approve the project assurances agreement as written. Second by Manager Hennes. All ayes. Motion passed 4-0.

- **4.7 SUTTON LAKE FLOOD MITIGATION PROJECT UPDATE**

Discussion only. No votes taken

- **5.0 APPROVAL OF CONSENT AGENDA**

Manager Hennes moved to approve the consent agenda. Second by Manager Howley. All ayes. Motion passed 4-0.

- **6.0 TREASURER REPORT/FINANCIAL REPORT**

Manager Howley gave updates on current financial reporting.

- **7.0 UPCOMING MEETINGS/EVENTS**

- CAC Meeting, Thursday, May 30 from 6:30-8:00 PM, Prior Lake City Hall

ADJOURNMENT

Manager Hennes moved to adjourn meeting. Second by Manager Howley. All ayes. Motion passed 4-0. Meeting adjourned at 7:50 PM.

Bruce Loney, Secretary

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

Citizen Advisory Committee

Thursday May 30, 2019

6:30-8:00 p.m.

Prior Lake City Hall

4646 Dakota Street SE Prior Lake, MN 55372

Attendees:

- **CAC Members present:** Steve P., Kim S., Larry R., Elizabeth S., Jim G., Marianne B, Jody S, Jim W, Jerry M., Adam F., Roger W.
- **Others present:** District Administrator: Diane L., Water Resources Outreach Specialist: Kathryn K-M, District Board President: Mike M., Board Member: Curt H., Board Secretary: Bruce L.

- I. Call meeting to order 6:33pm – President Steve Pany
- II. Agenda-additions-Approval of Agenda & April meeting minutes.
 - a. Approved minutes.
 - b. Approved agenda.
- III. Watershed District Projects update / Discussion topics
 - a. CAC involvement updates from Mike M. Opportunities
 - i. Watershed would like to know what the CAC would like to take on as a project or advisory from this group. This could be any sort of research, topic etc. Be creative in your thinking and ideas!
 - ii. Feedback was provided by a few members.
 - b. Welcome packet for new CAC members-update.
 - i. Defer to June meeting
 - c. Carp seining update. Carp gates, movement. Gill nets.
 - i. Some carp are stacking up again in Mud Bay
 - ii. WSB and District staff did some electro-fishing and pulled another 3,000 pounds.
 1. Used gill nets to block off the area so they can't get out.
 - iii. Haven't schooled up to do another good netting/seining.
 - iv. Will do the same at the Geis wetland
 - v. Radio tags are still working
 - vi. Pit Tag reader – need a new place to put this- Jodi offered up her property – Diane will check into further and get back to us.
 - vii. Carp barrier by Geis wetland but needs some repair – in the plan to do so.
 - viii. What about using the carp cannon – U of M has a new 'cannon' to pull out carp- might be the way of the future! Rice Creek is in the testing phase. Can we work with Rice Creek to get updates? Called the 'woosh' system. Marianne will talk to a contact she knows at Rice Creek. WSB is aware of the 'Woosh' system but system is still in development stages.
 - ix. How about doing a stocking of fish that eat the carp minnows? Diane has a link from the study done at 12/17 wetland on this topic.
 - x. Lake south of Alexandra has done something similar, especially with the sunfish that eat the young zebra mussels.

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

- xi. Does the DNR have a list of lakes with over population of sunfish and would like to have them removed?
 - xii. Best is to get rid of the carp to maintain a good fishery.
 - xiii. Carp legislation passed – Mike M provided updates.
- d. Water quality Spring and Upper Prior Lake. Outlet channel condition. Brown water particulate in Spring and Upper Prior Lakes.
 - i. Water outlet has the physical ability to go down to 901.5, would need permission from DNR. This may take a while to implement.
 - ii. Outlet channel is working.
 - iii. Brown water – Jamie R put together an article and found it was an algae. Not sure why it is happening this year. Many contributors. Continuing to observe. It is not getting any better on either lake. Diane will ask others that have done Alum treatments if they are noticing anything similar on those lakes.
 - iv. Watershed does not put out any warnings to close the beaches. City is responsible for WQ at beaches.
- e. Clean Water Clean-Up Sunday April 28th Fish Point Park review. Adopt a storm drain program.
 - i. Park cleanup was a success! Good turnout, 50 people participating.
 - ii. CAC members can participate in the 'adopt the drain' – you can even name your drain! City runs this program, but the city would like to partner with us. Should be part of Lakefront Days.
- f. Planning the WD 50th year anniversary next year update.
 - i. Any plans written down? Yes.
 - ii. Ideas are being captured; other watersheds turning 50 and are doing different celebrations.
 - iii. If we want to get something in the budget, July is when the board is discussing.
 - iv. CAC should determine what events to plan and carry out.
 - v. We should set aside a large timeslot in our next meeting.
 - vi. Bring 2 ideas for 50th Celebration to the next meeting.
- g. Marianne would like to go to MAWD Conference Summer Tour Moorhead. CAC vote.
 - i. Approved.
- h. Lakefront Days booth. Questions for visitors. Need more questions.
 - i. Assignment for next meeting – bring 2 questions that can be used with their answers.
 - ii. Trivia questions from social media can be used as well.
- i. Sat. May 4th South Metro Water Forum. Comments / questions from Steve's notes.
 - i. Steve sent out his notes previously.
- j. Sutton Lake projects update.
 - i. DNR is requiring a permit for the temporary drawdown of the lake.
 - ii. Concerns around the amphibians that live in the mud over winter.
 - iii. Will have to do some more work to get 'the plan' approved. The timing to start this project will be impacted.
 - iv. The concern is stemming from this lake being public and not private property.
 - v. Many facets to solve the high-water problems. This is just one of them.
 - vi. Can we use some land in the Spring Lake Park? Put in an outlet that would control the water storage there?
 - vii. Water flow from Spring is captured on the website.

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

- k. Parking meter Sand Point Beach. Suggest DNR install one at boat landings?
 - i. No attendant but use a self-meter parking setup.
 - ii. Could the watershed suggest to the DNR? Steve to talk to Kirt Briggs.
- l. 2nd pipe outlet to channel, cost, viability.
 - i. \$2.8 M to install.
 - ii. If we went to 901.5 as the lower weir opening, might be more cost effective.
 - iii. Flood response draft – city proposed drafts. The city will schedule and host some public comment period. There is a Thursday newsletter (Newswire) that anyone can sign up for to get updates on what is going on (Steve will forward the link). Or the Wavelength, Prior Lake American. Contact city manager to get on notification list.
- IV. Next meeting date: June 27th, 2019
- I. Comments, suggestions, questions.
 - 1. Jerry mentioned Spring Lake is high.
 - 2. Adam – no additions.
 - 3. Larry – on the 2nd pipe outlet – would be nice to have a brainstorming or focus session or contest on multiple ideas to get water out of the lakes (Spring and Prior). Mike provided some insight that the watershed is pursuing creative solutions to pilot here locally. So, bring your ideas!
 - 4. Roger – interested in a second outlet.
- V. Adjourn 8:00pm

PLSLWD: Our mission is to manage and preserve the water resources of the Prior Lake-Spring Lake Watershed District to the best of our ability using input from our communities, sound engineering practices, and our ability to efficiently fund beneficial projects which transcend political jurisdictions.

CAC: The Prior Lake-Spring Lake Watershed District Citizen Advisory Committee (CAC) consists of residents who provide input and recommendations to the Board on projects, reports, prioritization and act as the primary interface for the Board to address the current issues of concern of the local citizens

Projects: ferric chloride treatment facility, alum treatments, carp seining, carp management program, carp mapping, carp contests, carp barriers, easement enforcement, permits, 12/17 wetland, Lower Prior Lake protection program, outlet channel, outlet channel repair, invasive aquatic plant control, NW Spring Lake shore project, lake and stream water monitoring, flood reduction plan, Farm Led-Council, partnerships with other agencies, workshops, project cost share, Water Quality Improvement Award, Fish Point Park, Raymond Park, Indian Ridge Park, Sand Point Beach Project, Watzl's Beach shoreline restoration.

6/11/2019
Prior Lake Spring Lake Watershed District
Claims list for Invoice Payments due for the prior month

Managers will consider approving this claims list - Staff payroll and Manager per diems have already been paid via ADP.

After the managers vote, two Managers will sign checks within three days of the meeting for approve claims.

Then, staff will US mail checks (written on the Klein Bank) to the claims list parties.

Staff will request that all vendors provide information on their invoices to fit into the categories below

UPDATED 6/6/2019

Vendor	Invoice	Description	Amount
1. Watershed District Projects (excluding staff payroll)			
EOR	00758-0018	General Engineering	720.08
EOR	00758-0015	Permitting	253.50
EOR	00758-0018	District Plan Update	2,323.75
EOR	00758-0014	Sutton Lake Outlet Modification Plan	1,640.00
EOR	00758-0019	H & H Model	1,407.58
EOR	00758-0125	PIPP - Sunset Hills Park Retrofit	1,906.25
EOR	00758-0019	Rule Revision	1,014.00
EOR	00758-0019	Public Infrastructure	816.00
EOR	00758-0123	Lower Prior Subshed Feasibility	82.00
EOR	00758-0124	Spring Lake West Subshed BMP Feasibility	82.00
Metropolitan Council		Water Sample Analysis	149.00
PLM Lake & Land Mgmt Corp	14394	Curlyleaf Pondweed Treatment	2,027.62
PLM Lake & Land Mgmt Corp	14393	Curlyleaf Pondweed Treatment	1,908.66
RMB	440974	Water Sample Analysis	270.00
RMB	441716	Water Sample Analysis	343.00
RMB	441706	Water Sample Analysis	765.00
RMB	442530	Water Sample Analysis	257.00
SWCD	2019-009	First Quarter Services	17,440.74
Vessco	76497	Iron Chloride Facility	432.11
WSB	003032-010-43	Carp Project	16,172.94
Xcel Energy	639823817	May	16.78
Subtotal			50,028.01
2. Outlet Channel - JPA/MOA (excluding staff payroll)			
EOR	00758-0038	PLOC Engineering Assistance	1,142.58
EOR	00758-0129	2019 PLOC Begetation/Stability Inspections	1,801.92
EOR	00758-0122	PLOC MOA Revisions	84.50
Jedliki, Inc.	Payment 2	Channel Work	10,236.25
Subtotal			13,265.25
3. Payroll, Office and Overhead			
ADP Manager Per Diems		Already Paid	722.85
ADP Staff Payroll		Already Paid	18,027.80
ADP Taxes & Benefits		Already Paid	12,577.30
League of MN Cities	400022864	Property/Casual Insurance Premium	6,566.00
Connexus Credit Union		Health Savings Account	115.38
H SA Bank		Health Savings Account	115.38
HG & K		May Accounting	2,315.00
Metro Sales	1349787	Copy Machine Contract	110.60
Optum Bank	95-10012180	Quarterly Fee	45.00
NCBERS		Life Insurance	80.00
League of MN Cities	40002869	Work Comp Premium	1,867.00
SW News Media	100426	Legal Notice	562.45
VISA		May Charges	2,909.72
Deluxe	2044986040	Checks/Deposit Slips	715.54
Metro Sales	1349272	Copies/Contract	1,068.19
Subtotal			47,798.21
4. Debt repayment and Interest			
Northland Trust Services		Principal	
Northland Trust Services		Interest	5,187.50
Northland Trust Services		Agent Fee	
Subtotal			5,187.50

TOTAL

116,278.97

FIRST AMENDMENT TO DECLARATION AND ACCEPTANCE OF CONSERVATION EASEMENTS

This amendment ("Amendment") is made between Bloomington Living Church, a Minnesota religious corporation, and the PRIOR LAKE-SPRING LAKE WATERSHED DISTRICT, a political subdivision under Minnesota law ("District").

RECITALS

The Owner owns certain land ("Property") within the District, described as follows:

Lot 1, Block 2, Horizon Heights 4th Addition, Scott County, Minnesota

This Property is subject to a conservation easement established by a "Declaration and Acceptance of Conservation Easements" dated September 20, 2002, and filed for record on October 30, 2002, as Document No. A569827 ("Declaration"), to create and preserve a buffer strip pursuant to District Rules relating to the development of land in Scott County, Minnesota. The parties now desire to amend the Declaration pursuant to Section 6 (c) thereof.

AMENDMENT

In consideration of the mutual covenants and agreements herein, the parties hereto agree as follows:

1. RECITALS. The foregoing recitals are true and correct and incorporated herein by this reference.
2. AMENDMENTS. The Declaration is amended as follows:
 - a. The legal description and location of the Easement Area is amended to be that portion of the Property on which is located any part of the "Wetland Conservation Easement" as legally described and delineated on Exhibit A and Exhibit B, attached to this Amendment

and incorporated herein. In the event of a discrepancy between the legal description and delineation, the legal description will control.

b. Paragraph 2(a) of the Declaration is amended to read as follows:

The Easement Area will be maintained in vegetation indigenous or naturalized to the State of Minnesota. No trees or shrubs will be planted within the Easement Area.

c. Paragraph 2(b) of the Declaration is amended to read as follows:

There will be no grading or other disturbance of the soil within the Easement Area except as incidental to vegetation planting and removal. No structure or paved surface will be placed temporarily or permanently within the Easement Area.

d. Paragraph 2(c) of the Declaration is amended to read as follows:

Easement identification monuments will be placed and maintained on the upland edge of the Easement Area, at each lot line and at each point where the bearing of the Easement Area boundary line changes. Monument design and wording will conform to District Rules or be as otherwise approved by the District.

3. OTHER TERMS. All terms and conditions of the Declaration remain effective and in force except as explicitly amended by this Amendment.

*(The remainder of the page is intentionally left blank.)
(signature pages follow)*

IN WITNESS WHEREOF, the Owner has voluntarily executed this Amendment on this _____ day of _____, 2019.

OWNER:

By: _____
Chris Gustafson

Title: Council President

STATE OF MINNESOTA)
) ss.
COUNTY OF SCOTT)

The foregoing instrument was acknowledged before me this _____ day of _____, 2019, by _____ as the Council President of Bloomington Lutheran Church, a Minnesota religious corporation.

Notary Public

My Commission Expires: _____

ACCEPTANCE

The PRIOR LAKE-SPRING LAKE WATERSHED DISTRICT hereby accepts the foregoing Amendment this _____ day of _____, 2019.

PRIOR LAKE-SPRING LAKE WATERSHED
DISTRICT

By: _____
Diane Lynch

Title: District Administrator

STATE OF MINNESOTA)
) ss.
COUNTY OF SCOTT)

The foregoing instrument was acknowledged before me this _____ day of _____, 2019, by Diane Lynch as the Administrator of the Prior Lake-Spring Lake Watershed District, a political subdivision under Minnesota law.

Notary Public

My Commission Expires: _____

This document was drafted by:
Prior Lake-Spring Lake Watershed District
4646 Dakota Street SE
Prior Lake, MN 55372

EXHIBIT A

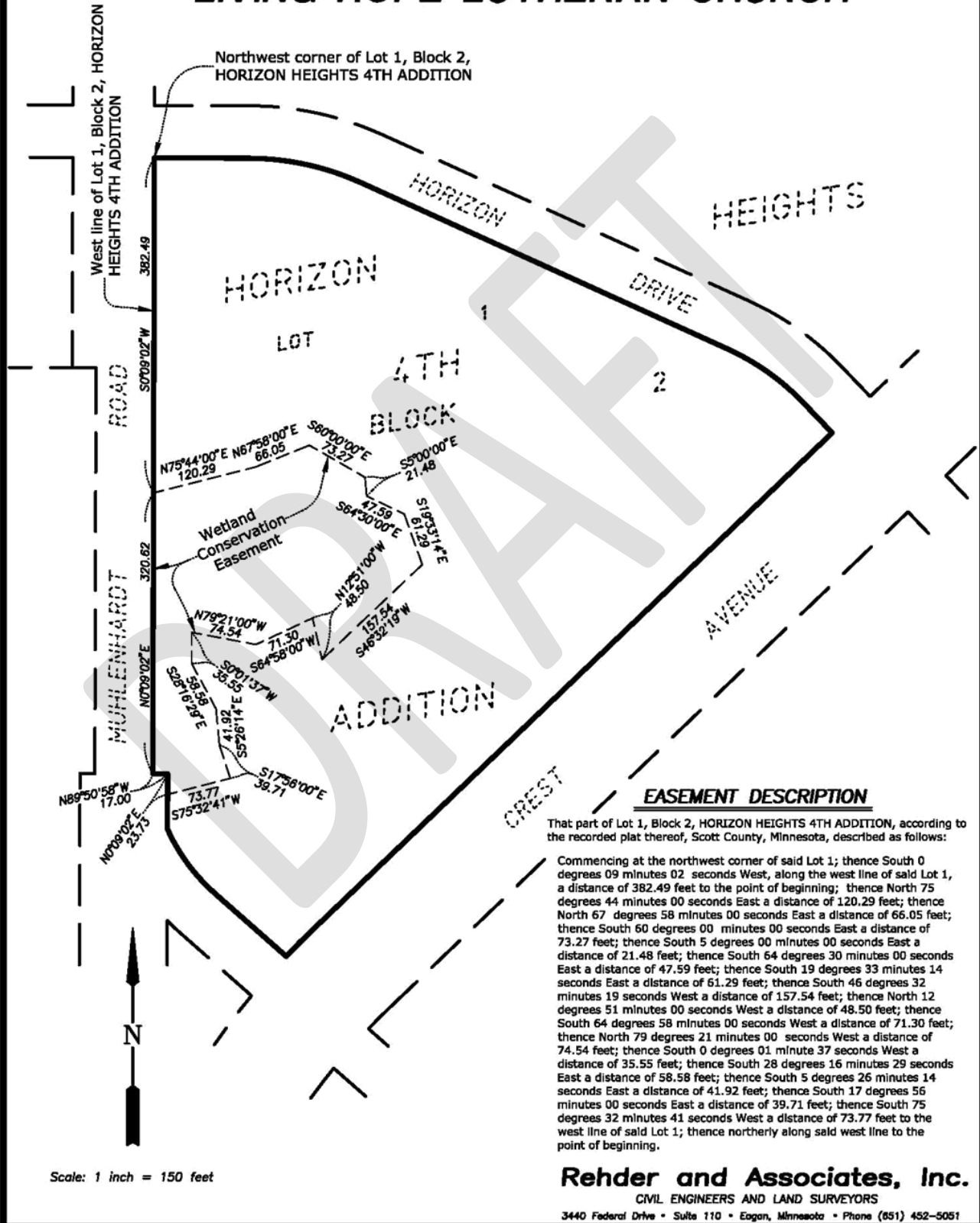
Legal Description of Conservation Area

That part of Lot 1, Block 2, HORIZON HEIGHTS 4TH ADDITION, according to the recorded plat thereof, Scott County, Minnesota, described as follows:

Commencing at the northwest corner of said Lot 1; thence South 0 degrees 09 minutes 02 seconds West, along the west line of said Lot 1, a distance of 382.49 feet to the point of beginning; thence North 75 degrees 44 minutes 00 seconds East a distance of 120.29 feet; thence North 67 degrees 58 minutes 00 seconds East a distance of 66.05 feet; thence South 60 degrees 00 minutes 00 seconds East a distance of 73.27 feet; thence South 5 degrees 00 minutes 00 seconds East a distance of 21.48 feet; thence South 64 degrees 30 minutes 00 seconds East a distance of 47.59 feet; thence South 19 degrees 33 minutes 14 seconds East a distance of 61.29 feet; thence South 46 degrees 32 minutes 19 seconds West a distance of 157.54 feet; thence North 12 degrees 51 minutes 00 seconds West a distance of 48.50 feet; thence South 64 degrees 58 minutes 00 seconds West a distance of 71.30 feet; thence North 79 degrees 21 minutes 00 seconds West a distance of 74.54 feet; thence South 0 degrees 01 minute 37 seconds West a distance of 35.55 feet; thence South 28 degrees 16 minutes 29 seconds East a distance of 58.58 feet; thence South 5 degrees 26 minutes 14 seconds East a distance of 41.92 feet; thence South 17 degrees 56 minutes 00 seconds East a distance of 39.71 feet; thence South 75 degrees 32 minutes 41 seconds West a distance of 73.77 feet to the west line of said Lot 1; thence northerly along said west line to the point of beginning.

EXHIBIT B

Easement Sketch for: LIVING HOPE LUTHERAN CHURCH



APPLICATION FOR CITIZENS ADVISORY COMMITTEE

(Applicants must live in the Watershed District)

Name: Jens Christian Morkeberg

Address: 17556 Vergus Ave, Jordan MN 55352

E-mail: cmorkeberg@me.com

Phone: 952-412-2600

Occupation: MD

Employer: Southdale Pediatrics Ltd

How long have you lived in Scott County? 12+ years

Please state briefly why you are interested in serving on the Citizens Advisory Committee:

Aim to work with organizations including PLSL WSD to improve water quality
Have been part of and followed many excellent initiatives over the years, seen progress,
and aim to maintain and improve effort

Do you have any special interest, education or training which you feel the Committee could use?

Biology training , medical training including human health topics, connected with
Minnesota Department of Health, specialty health and development of our children

What issues do you think the Citizens Advisory Committee should address?

Review current goals and ongoing projects, investigate efficiency and cost effectiveness
of these and new approaches.

Upstream management important for flood control, wild life, and water quality
Innovative approaches to in lake pollution

Do you have any legal or equitable interest in any business, however organized, which could be construed as a conflict of interest? No

Yes FORMTEXT

No FORMTEXT

If yes, please provide details: FORMTEXT

Are you related to any Watershed District Board Member or to any member on the Citizens Advisory Committee? If so, give the name and relationship.

No

Other qualifications, experience, information or comments you would like to submit.

Good knowledge of plants birds and insects

Have served on many boards, work well with people trying to find solutions

Please feel free to call me if you have any questions, Christian

PERSONS WITH DISABILITIES ARE ENCOURAGED TO APPLY.

RETURN THIS COMPLETE APPLICATION FORM TO:

Diane Lynch by mail, in person or by email (HYPERLINK "mailto:dlynch@plslwd.org"
dlynch@plslwd.org)

This application will be kept on file for 12 months.

4646 Dakota Street SE, Prior Lake, MN 55372 • (952) 447-4166
HYPERLINK "http://www.plslwd.org" www.plslwd.org

PRIOR LAKE – SPRING LAKE

WATERSHED DISTRICT

Permit #19.02 Report

Staff Review of Application for Permit

Project Name: YMCA Bank and Culvert Repair & Stabilization Project

Applicant: SMSC

Exhibits: Location Map
Excerpt from Plans

Date of this Report: June 5, 2019

Date of Board Meeting: June 11, 2019

Introduction

The above average rainfall this past spring led to damage to the YMCA Kici Yapi culvert along Segment 2 of the Prior Lake Outlet Channel. Damage to the culvert included holes in the crossing from water piping along the culvert underneath it, as well as washout and collapse of portions of the surrounding bank. Note that this culvert was recently repaired in 2014 following the flood event of that year. SMSC completed emergency repair work for this project in anticipation of the upcoming summer activities, and so this permit is being issued after-the-fact.

Notice to Adjacent Landowners

The District Rules require that a notice of the permit application be mailed out to landowners within 500 feet of the project location. Since the two landowners within a 500 foot radius of the project are the applicant and the City of Prior Lake which has already been notified, no notice was mailed.

Note to Permit Applicant:

This report is not a permit. If the District Board approves the project, the applicant must then obtain a permit through the District staff.

Proposed Plan and Analysis

The proposed project will repair a culvert that crosses the Prior Lake Outlet Channel.

Erosion and Sediment Control (Rule E)

While the size of the project would not normally trigger Rule E as it will disturb an area less than one acre, it is required to accompany Rule H. The SMSC has installed similar erosion and sediment control measures as the 2014 plan which includes erosion control blanket, biologs, silt fence, and seeding with a native state seed mix.

Bridge and Culvert Crossings (Rule H)

Any activity that constructs, improves, repairs or alters a driveway, road or utility across the Prior Lake outlet channel or a watercourse with a tributary area in excess of 100 acres triggers this Rule. The District requires that culvert crossings retain adequate hydraulic capacity, have no adverse affects on water quality, represent the lowest impact solution, and allow for future erosion, scour, and sedimentation considerations.

The culvert repair activity under this permit conforms with the activities that were previously approved with the 2014 permit.

Watershed District Board Decision:

The application was initially received on May 22, 2019 and after subsequent materials and information were provided was determined to be complete on June 3, 2019. To meet the procedural requirements of Rule B and Minnesota Statutes Section 15.99 regarding time deadlines for Board action, the Board must make a decision to:

- 1) approve or deny the permit application by August 2, 2019
- or-
- 2) provide written notice to the applicant of an extension of the 60-day period and state the reasons for the extension and its anticipated length, which may not exceed 60 days unless approved by the applicant.

Options for Action:

1. Approve the application subject to the conditions noted herein.
2. Table the item until a future date specified and provide the applicant with direction on the issues that have been discussed.
3. Deny the application, stating the reasons for the denial.
4. Other specific actions as directed by the Board of Managers.

Staff Recommendation:

District staff recommends Option 1, that the project be approved subject to the application submitted, the supplemental information submitted by the applicant's engineer, and with the conditions noted below.

Action Required:

A motion authorizing PLSLWD staff to issue a permit, subject to the following conditions:

1. The permittee shall obtain all other required permits and approvals.
2. The District will waive the requirement for a permit fee deposit.
3. The permittee is responsible for the stabilization and maintenance of the adjacent areas disturbed by the construction.

LOCATOR MAP
Permit #19.02 YMCA Culvert

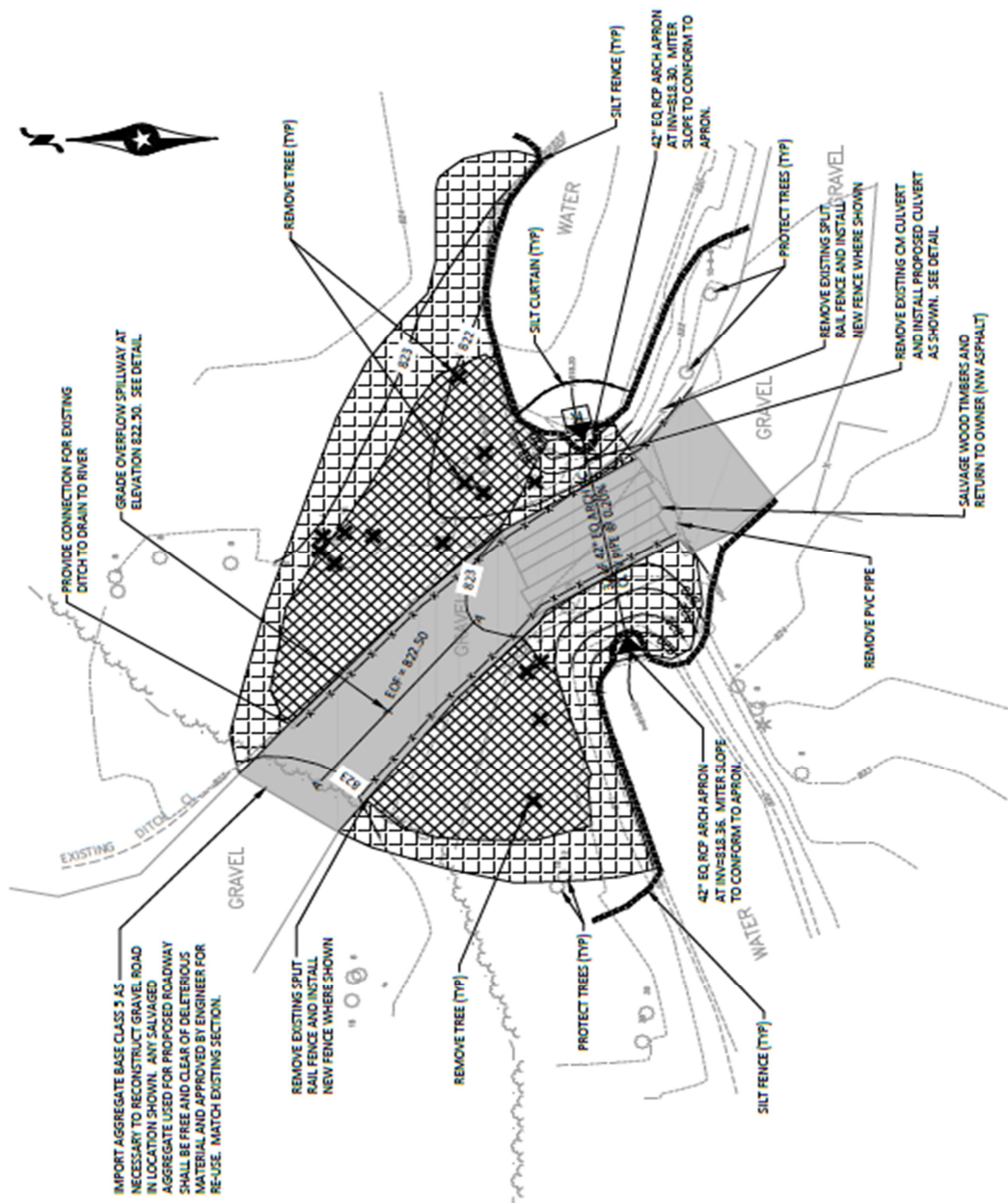
Legend:

- Prior Lake Outlet Channel
- PLSLWD Boundary
- Permit #19.02 YMCA Culvert

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

CONSTRUCTION PLANS FOR YMCA DAY CAMP CULVERT REPLACEMENT

OCTOBER 2014



LEGEND	
	TURF REINFORCEMENT MAT W/ SHORTGRASS WOODS EDGE SAVANNA SEED MIX, FERTILIZER (SUPPLIED BY PRAIRIE MOON)
	EROSION CONTROL BLANKET CATEGORY 3 W/ STATE SEED MIX 36-211, 21-111, FERTILIZER
	AGGREGATE SURFACING
	PROPOSED SPLIT RAIL FENCE

NOTES:

1. EXISTING WOOD BRIDGE SHALL BE REMOVED DURING CONSTRUCTION, AND REINSTALLED AFTER CULVERT INSTALLATION IS COMPLETE.
2. COORDINATE YMCA DAY CAMP ACCESS REQUIREMENTS AND CONSTRUCTION TIMES WITH ENGINEER PRIOR TO ANY LAND DISTURBANCE.
3. BACKFILL AND COMPACT FILL AS NECESSARY TO PROVIDE A STABLE, TEMPORARY DRIVEWAY AFTER EACH WORKING DAY UNTIL CONSTRUCTION AND FINAL STABILIZATION ARE COMPLETE.
4. RESTORE DISTURBED AREAS WITH 4\" SALVAGED ON-SITE TOPSOIL. ALL AREAS REQUIRING RESTORATION MUST BE COVERED WITHIN 7 DAYS OF DISTURBANCE.
5. CONTRACTOR SHALL COORDINATE FINAL GRADING LIMITS AND ELEVATIONS IN FIELD WITH ENGINEER.
6. LENGTH OF PIPE SHOWN ON PLAN INCLUDES APRON LENGTHS. THE ACTUAL LENGTH OF PIPE WILL CONSIST OF TWO, 8-FOOT 42\" EQ. ARCH APRONS AND 16-FEET OF 42\" EQ. ARCH PIPE.

PRIOR LAKE - SPRING LAKE

WATERSHED DISTRICT

Permit #19.03 Report

Staff Review of Application for Permit

Project Name: County Ditch #13 Culvert Replacement Project
Applicant: Scott County Ditch Authority
Exhibits: Location Map

Date of this Report: June 5, 2019
Date of Board Meeting: June 11, 2019

Introduction

The Scott County Ditch Authority was informed that a 60" culvert collapsed along County Ditch 13 near where the ditch crosses Highway 13, roughly 1,000 feet west of the road. Per ditch law (M.S. 103E), no improvement of pipe diameter or flow is allowed. As such, the County plans to restore the culvert to its original condition.

Notice to Adjacent Landowners

The District Rules require that a notice of the permit application be mailed out to landowners within 500 feet of the project location. Since the only landowner within a 500 foot radius of the project is the one that requested the work, no notice was mailed.

Note to Permit Applicant:

This report is not a permit. If the District Board approves the project, the applicant must then obtain a permit through the District staff.

Proposed Plan and Analysis

The proposed project will replace a culvert that crosses a ditch section with a tributary area of over 100 acres.

Erosion and Sediment Control (Rule E)

While the size of the project would not normally trigger Rule E as it will disturb an area less than one acre, it is required to accompany Rule H. The County is planning on using erosion control blanket on disturbed areas and silt fence at the bottom of the slope to minimize sedimentation in the ditch. The disturbed areas will be seeded with a perennial grass mix.

Bridge and Culvert Crossings (Rule H)

Any activity that constructs, improves, repairs or alters a driveway, road or utility across the Prior Lake outlet channel or a watercourse with a tributary area in excess of 100 acres triggers this Rule. The District requires that culvert crossings retain adequate hydraulic

capacity, have no adverse affects on water quality, represent the lowest impact solution, and allow for future erosion, scour, and sedimentation considerations.

The corrugated metal pipe will be placed back at the same location and elevation which will be verified by the original plans. The County has not developed new plans for this project, and the work will be based on the original documents for the culvert.

Watershed District Board Decision:

The application was initially received on May 22, 2019 and after subsequent materials and information were provided was determined to be complete on June 5, 2019. To meet the procedural requirements of Rule B and Minnesota Statutes Section 15.99 regarding time deadlines for Board action, the Board must make a decision to:

- 1) approve or deny the permit application by August 4, 2019
- or-
- 2) provide written notice to the applicant of an extension of the 60-day period and state the reasons for the extension and its anticipated length, which may not exceed 60 days unless approved by the applicant.

Options for Action:

1. Approve the application subject to the conditions noted herein.
2. Table the item until a future date specified and provide the applicant with direction on the issues that have been discussed.
3. Deny the application, stating the reasons for the denial.
4. Other specific actions as directed by the Board of Managers.

Staff Recommendation:

District staff recommends Option 1, that the project be approved subject to the application submitted, the supplemental information submitted by the applicant's engineer, and with the conditions noted below.

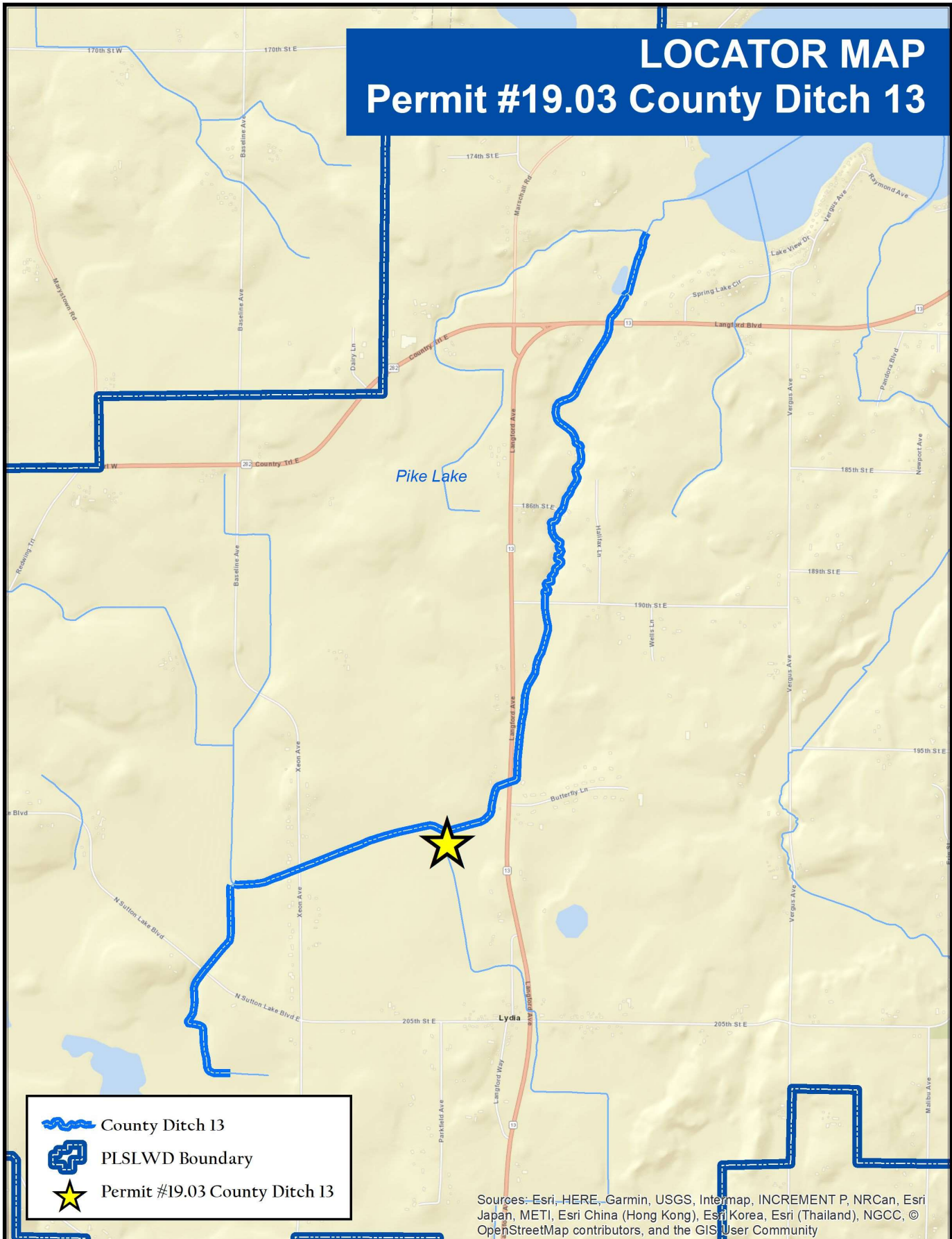
Action Required:

A motion authorizing PLSLWD staff to issue a permit, subject to the following conditions:

1. The permittee shall obtain all other required permits and approvals.
2. The District will waive the requirement for a permit fee deposit.
3. The permittee will contact the District prior to beginning any and all construction activity for an initial erosion & sediment control inspection.
4. The permittee is responsible for the stabilization and maintenance of the adjacent areas disturbed by the construction.
5. The permittee shall supply the District an as-built survey within 35 days of completion of the initial installation. The District shall review this survey as a part of the certificate of completion for the project.

LOCATOR MAP

Permit #19.03 County Ditch 13



PLSLWD
Cost Analysis
3-31-2019

	For the 3 months ending March 31, 2019	
	Amount	% of total
<u>Program staff costs</u>	<u>73,663</u>	<u>23.9%</u>
<u>Consultants (approximate \$30,000 threshold)</u>		
EOR	43,097	
WSB & Associates	2,308	
Scott Soil and Water Cons.	-	
RMB Environmental Labs	-	
Grant Revenue	-	
	<u>45,405</u>	<u>14.8%</u>
<u>Projects - (without staff cost or consultants)</u>		
PLOC funding	26,453	
Alum Internal Loading Reserve	110,000	
City of Prior Lake	-	
HAB Aquatic Solutions	-	
Hard costs, exclusive of prog staff & consultant costs	15,796	
Permitting Revenue	-	
	<u>152,249</u>	<u>49.5%</u>
<u>Overhead and Administration</u>		
Staff costs	20,207	
Audit/Accounting/Legal	9,902	
Other admin overhead	6,165	
	<u>36,274</u>	<u>11.8%</u>
<u>Bonds payments</u>	<u>-</u>	<u>0.0%</u>
Expenditures excluding JPA/MOA expenses	<u>307,591</u>	100.0%

No assurance is provided on this statement.

This statement omits required disclosures.

This statement is prepared on the cash basis of accounting.

PRIOR LAKE SPRING LAKE WATERSHED DISTRICT
Financial Report - Cash Basis
January 1, 2019 Through May 31, 2019

	405 General	509 Projects	Debt Service	Held for Future Use		2019 Expenditure Budget	Budget Adj	Monthly Paid Expenses	YTD Paid Expenses	Percent Spent
Administrative Salaries and Benefits	132,000					132,000		4,680	33,043	
703 - Telephone & Internet	15,400					15,400		1,344	4,767	
706 - Office Supplies	8,690					8,690		289	2,899	
709 - Insurance and Bonds	7,700					7,700		-	(488)	
670 - Accounting	25,300					25,300		2,967	10,029	
671 - Audit	8,662					8,662		(538)	7,463	
903 - Fees	770					770		(483)	1,095	
660 - Legal (not for projects)	2,200					2,200		303	5,208	
Administration	200,722	-	-	-		200,722		8,562	64,016	31.89%
Program Salaries and Benefits (not JPA/MOA)	-	306,170	-	-		306,170		30,717	155,367	50.75%
Public Infrastructure Partnership Projects	-	100,000	-	-		100,000		935	935	
Storage & Infiltration Projects	-	200,000	-	-		200,000		778	23,833	
550 Capital Projects	-	300,000	-	-		300,000	-	1,713	24,768	8.26%
Farmer-led Council	-	61,000	-	-		61,000		-	2,184	
Identify and Mitigate Channel Erosion	-	5,000	-	-		5,000		-	-	
Cost-Share Incentives	-	58,000	-	-		58,000		50	50	
Highway 13 Wetland, FeCl system & Desilt, O&M	-	57,800	-	-		57,800		7,044	7,159	
Fish Point Park Retrofits	-	3,500	-	-		3,500		-	-	
Aquatic Vegetation Mgmt	-	6,000	-	-		6,000		-	-	
Fish Management, Rough Fish Removal	-	27,000	-	-		27,000		1,484	3,999	
Spring Lake Parcel Maintenance	-	2,000	-	-		2,000		-	-	
Raymond Park Maintenance	-	3,500	-	-		3,500		-	-	
Alum Internal Loading Reserve	-	-	-	110,000		110,000		-	110,000	
Alum Internal Loading CWF Application	-	603,583	-	-		603,583		-	-	
County Rd 12/17 Maintenance	-	7,000	-	-		7,000		-	-	
FeCl carp barrier tine replacement project	-	35,000	-	-		35,000		127	127	
Indian Ridge Maintenance	-	1,636	-	-		1,636		-	-	
Fairlawn Shores Maintenance	-	1,500	-	-		1,500		-	-	
611 Operations & Maintenance	-	872,519	-	110,000		982,519	-	8,705	123,518	12.57%
Engineering not for programs	-	30,000	-	-		30,000		1,988	4,978	
Planning and Program Development	-	25,000	-	-		25,000		511	10,542	
Fish Lake TMDL Implementation	-	10,000	-	-		10,000		-	-	
Pike Lake TMDL Implementation	-	10,000	-	-		10,000		-	-	
LGU Plan Review	-	9,000	-	-		9,000		-	1,310	
District Plan Update	-	106,873	-	-		106,873		5,410	33,728	
Feasibility Reports	-	39,500	-	-		39,500		-	-	
626 Planning	-	230,373	-	-		230,373	-	7,909	50,558	21.95%
District Monitoring Program	-	87,100	-	-		87,100		3,211	8,503	
Automated Vegetation Monitoring	-	4,700	-	-		4,700		-	2,700	
Aquatic Vegetation Surveys	-	18,000	-	-		18,000		-	-	
District-wide Hydraulic & Hydrologic model	-	9,500	-	-		9,500		1,734	9,473	
Wetland Restoration and Wetland Bank	-	-	-	-		-		-	-	
637 Monitoring & Research	-	119,300	-	-		119,300	-	4,945	20,676	17.33%
Permitting and Compliance	-	10,250	-	-		10,250		581	4,325	
Permitting and Compliance income	-	-	-	-		-		-	-	
Non-project Reg. Reporting, Rules & Stand. Rev.	-	5,000	-	-		5,000		-	2,640	
BMP and easement inventory & inspections	-	15,500	-	-		15,500		111	273	
BMP and easement amendment fees income	-	-	-	-		-		-	-	
648 Regulation	-	30,750	-	-		30,750	-	692	7,237	23.54%
MS4 Education program	-	15,000	-	-		15,000		106	185	
Prior Lake-Savage Schools partnerships	-	250	-	-		250		-	-	
CAC	-	4,000	-	-		4,000		-	-	
Signs for projects, software for location & contacts	-	11,500	-	-		11,500		-	-	
652 Education & Outreach	-	30,750	-	-		30,750	-	106	185	0.60%
Carp Management/Removal	-	107,000	-	-		107,000		11,906	12,176	
Capital Projects--Grants	-	107,000	-	-		107,000	-	11,906	12,176	11.38%
PLOC Restoration, Maintenance & Monitoring	-	46,796	-	-		46,796		-	26,453	56.53%
Bond Payments	-	-	170,375	-		170,375		-	-	0.00%
Subtotal	200,722	2,043,658	170,375	110,000		2,524,755	-	75,255	484,955	19.21%
Contingency	-	94,833	-	-		94,833		-	-	0.00%
Total excluding JPA/MOA expenses	200,722	2,138,491	170,375	110,000		2,619,588	-	75,255	484,955	18.51%
JPA/MOA Expenses						592,750		8,490	178,574	30.13%
Less budgeted FEMA grant						(275,000)				
Total organization budget						2,937,338	-	83,745	663,530	22.59%

No assurance is provided on this statement.

This statement omits required disclosures.

This statement is prepared on the cash basis of accounting.

PRIOR LAKE – SPRING LAKE

W A T E R S H E D D I S T R I C T

7.0 Manager Presentations

Managers will provide information on recent events they're attended on behalf of the District.