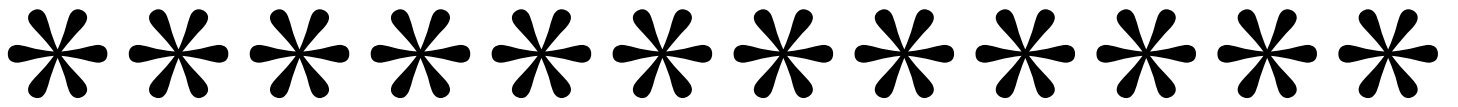




RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT

August 2020 Board Packet



Agenda





Regular Board Meeting Agenda

Wednesday, August 5, 2020

6:30 P.M.

Due to the COVID19 pandemic, this month's board meeting will be held via the video conferencing platform Zoom. Board members, staff, consultants, and general public will be able to join in via video and/or phone. The public that wish to will be able to listen to meeting but not participate with the exception of the visitor comments portion of the agenda. If you have comments you may speak on the Zoom meeting during the visitor comments agenda item. Instructions for joining in on the Zoom meeting can be found after the agenda.

1. Call to Order – 6:30 PM
2. **Approval of Agenda (pg. 3)**
3. **Consent Agenda: To all be approved with one motion unless removed from consent agenda for discussion.**
 - A. Approval of Regular Meeting Minutes July 1, 2020. (pg. 7)
 - B. Treasurer's Report and Bill List (pg. 12)
 - C. Permit Program
 - i. 20-26 Owasso Gardens, Roseville (pg. 21)
 - D. Stewardship Grant Program
 - i. 20-35 CS Union Cemetery, rain gardens (pg. 25)
 - ii. 20-36 CS Van Heel, native habitat restoration (pg. 28)
 - iii. 20-37 CS Kohlman Chain LVMP Phase 2, aquatic VMP (pg. 30)
 - iv. 20-38 CS Schmidt, rain garden (pg. 31)
 - E. CIP Maintenance and Repair Project – Change Order No. 3 (pg. 33)
4. Visitor Comments (limited to 4 minutes each)
5. Permit Program
 - A. Applications
 - i. **20-27 Pigs Eye Lake Islands, St. Paul (pg. 38)**
 - B. **Single Lot Residential Permit Adjustments (pg. 50)**
 - C. Enforcement Action Report (pg. 52)
6. Stewardship Grant Program
 - A. Applications – see consent agenda

- B. Budget Status Update (*pg. 55*)
- 7. Presentations and Action Items
 - A. **Keller Channel Weir and Phalen Outlet Resiliency Modifications (*pg. 57*)**
 - B. Flood Risk Reduction and Conveyance Feasibility Studies (*pg. 58*)
- 8. Administrator's Report (*pg. 62*)
 - A. Meetings Attended
 - B. Upcoming Meetings and Dates
 - C. 2021 Budget Planning
- 9. Project and Program Status Reports (*pg. 78*)
 - A. Ongoing Project and Program Updates
 - i. FEMA Flood Mapping Updates
 - ii. Hillcrest Golf Course
 - iii. Water Management Plan Updates
 - iv. Automated Lake Monitoring Systems
 - v. Targeted Retrofit Projects
 - vi. Target Store Stormwater Retrofits
 - vii. Kohlman Permeable Weir Test System
 - viii. Aldrich Arena Stormwater Project
 - ix. Twin Lake Outlet
 - x. CIP Maintenance and Repair 2020 Project
 - xi. Beltline/Battle Creek Tunnel Inspection
 - xii. 2020 Tanners Lake Alum Facility Monitoring
 - xiii. Internal Load Management Discussions
 - xiv. Wakefield Lake Internal Loading Study
 - xv. Natural Resources Program
 - xvi. Education Program
- 10. Report of Managers
- 11. Adjourn**

Items in **bold signify that an action needs to be taken by the Board.*



RAMSEY-WASHINGTON

METRO WATERSHED DISTRICT

NOTICE OF BOARD MEETING

Wednesday, August 5, 2020

6:30 PM

Via Web Conference and In Lieu of an In-Person Meeting

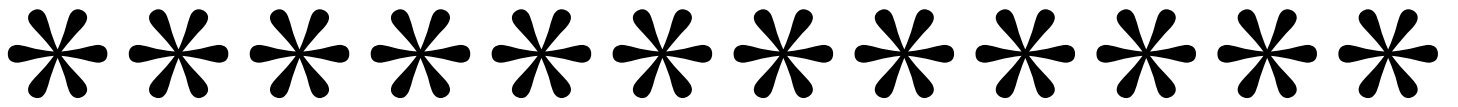
Per Minnesota Statute 13D.021, President Marj Ebensteiner has determined that an in-person meeting of the RWMWD Board of Managers is not practical or prudent given the COVID-19 pandemic. In compliance with Center for Disease Control and Minnesota Department of Health guidance on minimizing potential for spread of the virus, RWMWD will conduct its regular Wednesday, August 5, 2020, meeting at 6:30 p.m. CDT, by web conference and conference call. Members of the public wishing to participate in the meeting may do so by accessing the web-based conference, or by phone.

To access the meeting via webcast, please use this link:

[JOIN MEETING](#)

(<https://us02web.zoom.us/j/83635349203?pwd=NEdJYUZnQkYmM1FRdXhreDVNYjh2dz09>)

The meeting room will open at 6:20 pm with the meeting starting at 6:30 pm. To connect to audio you may choose to use your computer audio options or you may use your mobile device to call. The phone access number is **(312) 626-6799**. The Meeting ID is **836 3534 9203**. The meeting password is **878907**. If you have any questions, please contact Tina Carstens at tina.carstens@rwmwd.org.



Consent Agenda





**Ramsey-Washington Metro Watershed District
Minutes of Regular Board Meeting
July 1, 2020**

The Regular Meeting of July 1, 2020, was held at the District Office Board Room, 2665 Noel Drive, Little Canada, Minnesota, at 6:30 p.m.

PRESENT:

Cliff Aichinger, Vice President
Lawrence Swope, Treasurer
Dianne Ward, Secretary
Dr. Pam Skinner, Manager

ABSENT:

Marj Ebensteiner, President

ALSO PRESENT:

Tina Carstens, District Administrator
Brad Lindaman, Barr Engineering
Erin Anderson Wenz, Barr Engineering
Dave Vlasin, Water Quality Technician
Kyle Walstrom, Twin Lake resident

Paige Ahlborg, Project Manager
Nicole Soderholm, Permit Inspector
Simba Blood, Natural Resources Specialist
Viet-Hanh Winchell, Attorney for District
Burt Johnson, Twin Lake resident

1. CALL TO ORDER

The meeting was called to order by Vice President Aichinger at 6:30 p.m.

2. APPROVAL OF AGENDA

Tina Carstens referenced Item C ii. 20-30 CS: Jones – Native Habitat Restoration, which is on the Consent Agenda. She noted that the dollar amount was not included in the request and therefore that item should be removed from the Consent Agenda to be considered as Item 6A.

Motion: Manager Ward moved, Manager Swope seconded, to approve the agenda as amended.

A roll call vote was performed:

Manager Skinner	aye
Manager Ward	aye
Manager Swope	aye
Vice President Aichinger	aye

Motion carried 4-1. (President Ebensteiner absent)

3. CONSENT AGENDA

- A. Approval of Minutes from June 3, 2020
- B. Treasurer's Report and Bill List

- C. Stewardship Grant Program
 - i. 20-29 CS: Donahue – Shoreline Restoration
 - ii. ~~20-30 CS: Jones – Native Habitat Restoration~~
- D. CIP Maintenance and Repair Project – Change Order No. 2

Motion: Manager Swope moved, Manager Ward seconded, to approve the consent agenda as presented.

A roll call vote was performed:

Manager Skinner	aye
Vice President Aichinger	aye
Manager Ward	aye
Manager Swope	aye

Motion carried 4-1. (President Ebensteiner absent)

4. VISITOR PRESENTATIONS

Kyle Walstrom, Twin Lake Court resident, stated that the pump and pipes have been setup to pump from West Vadnais. He commented that the levels have been lower and asked if the pumps have yet run. He asked for an update on the status of the Twin Lake outlet project. He referenced West Vadnais and the potential proposals, noting that he is awaiting the Board discussion on that topic. He stated that the residents of Twin Lake are interested in lowering the level of Twin Lake.

A staff member confirmed that the approval and contract award for the Twin Lake outlet project occurred at the previous Board meeting.

Burt Johnson, President of Twin Lake Association, stated that the association was formed the previous year when Twin Lake was inundated with water from West Vadnais with the goals of establishing the historical outlet for Twin Lake, that West Vadnais not be allowed to flow into Twin Lake, and to preserve the water quality and clarity of Twin Lake. He stated that they are pleased to see that the outlet project is moving forward. He noted that there are still concerns with the operations plan, as they believe Twin Lake needs to be maintained at the elevation of 872.2. He stated that they are concerned with the potential of holding Twin Lake at 874. He stated that pumping West Vadnais seems to be a reasonable solution. He stated that they do not want to see water from West Vadnais coming into Twin Lake. He stated that written comments were submitted from a Twin Lake Association member and asked the Board to review those comments.

5. PERMIT PROGRAM

A. Applications

None.

B. Single Lot Residential Permit Adjustments

A staff member provided background and reviewed details on potential single lot residential permit adjustments. A Manager stated that they support this and believe this is a great idea. The Manager commented that it was mentioned that this is a trial and believed an ending date should be specified and the desired outcomes should be listed. The Manager stated that they support moving forward with this but asked that staff come back with those details.

Motion: Manager Ward moved, Manager Skinner seconded, to authorize staff to proceed with the suggestion and bring back additional details for formal approval at the next meeting.

Further discussion: A staff member stated that they would welcome additional detail from the Board on what they would like to see included. A Board member provided additional suggestions, noting that the time period could be this year and this trial could be reviewed after the permit season.

A roll call vote was performed:

Manager Ward	aye
Manager Swope	aye
Vice President Aichinger	aye
Manager Skinner	aye

Motion carried 4-1. (President Ebensteiner absent)

C. Monthly Enforcement Report

During June, eight notices were sent to address: install/maintain inlet protection (1), contain liquid/solid wastes (2), remove discharged sediment (1), implement proper dewatering (2), and install/maintain energy dissipation (2).

6. STEWARDSHIP GRANT PROGRAM

A. Applications

20-30 CS: Jones – Native Habitat Restoration

A staff member stated that this request is in the amount of \$9,600, rather than the zero dollars shown in the staff report.

Manager Swope moved, Manager Ward seconded, to approve 20-30 CS.

A roll call vote was performed:

Manager Ward	aye
Manager Swope	aye
Vice President Aichinger	aye
Manager Skinner	aye

Motion carried 4-1. (President Ebensteiner absent)

B. Budget Status Update

A staff member provided a brief update, noting that staff is watching the remaining budget closely as funds are being spent quickly this year. A Manager noted that a large amount of the budget was used in priority areas.

7. PRESENTATIONS AND ACTION ITEMS

A. East Saint Paul Target Store BMP Retrofits Project Bid Award

A staff member reported that four bids were received with the low bidder being Sunram Construction. He noted that Sunram fulfilled all of the bidding requirements and therefore staff supports awarding the contract to Sunram.

Motion: Manager Swope moved, Manager Ward seconded, to accept the bids and award the East St. Paul Target Store BMP Retrofit Project to Sunram Construction and direct staff to prepare and mail the notice of award and prepare the agreements and review the required submittals.

A roll call vote was performed:

Manager Ward	aye
Manager Swope	aye

Vice President Aichinger aye
Manager Skinner aye

Motion carried 4-1. (President Ebensteiner absent)

B. West Vadnais Lake South of I-694 Conveyance Feasibility Study

i. West Vadnais Lake Opportunistic Pumping Scenarios

A staff member stated that staff has been working on a number of studies resulting from the Beltline Study, and this is one of those four studies. It was explained that this was the first study on the list, moving from upstream to downstream. It was explained that this pipe would allow more water to flow downstream, once other improvements are in place downstream.

A staff member presented the West Vadnais Conveyance under Highway 694 feasibility study results, identifying the original goal of the study. A draft of the Beltline Resiliency phases was reviewed, identifying projects currently underway or that have already been completed. The identified alignment was highlighted and the reasons behind that alignment were explained. It was noted that the tail end of the alignment could change depending upon the results of the Owasso Basin Study. This alignment was chosen with the thought that the existing 15-inch pipe would remain in place. It was noted that the study includes options for upsizing of the pipe as well, to perhaps accommodate future needs. A cost estimate was reviewed, highlighting larger ticket items, prices that are subject to change, and opportunities where costs could be cut. Different modeling scenarios were reviewed as included in the technical memorandum. Opportunistic pumping feasibility was reviewed during the study using the existing 15-inch pipe and using the bypass option. It was noted that using the existing pipe was not found to provide the desired benefit, therefore, staff focused on the bypass option for the presentation. Staff stated that if opportunistic pumping is done using the bypass during the offseason, there is some reduction of overflows from Grass Lake to parkland and there is some lessening of West Vadnais Lake overflows to the bypass system in the summer, though most overflows would be captured by the emergency bypass system anyway.

A Manager commented that per the data in the report, it would seem that opportunistic pumping would be unnecessary as the bypass itself would provide the desired outcome more so than utilizing opportunistic pumping. A staff member noted that there would also be an additional cost in opportunistic pumping. A Manager commented that the off-season pumping could provide benefit as the levels would be brought down in the wintertime. It was commented that if there was a year with normal or less than normal precipitation, that lower elevation would provide a benefit to the system for some time. It was noted that the third condition that would need to be met for opportunistic pumping (downstream water is below the level where the combination of the additional released water and the occurrence of a 100-year rain event will not cause habitable structures to flood) has not been possible from 2014 to 2019. Legal counsel explained that any time the District is moving water and increasing potential water levels elsewhere, it does open the District up to the issue of liability. A Manager commented that there is also liability in failing to act, therefore there is balance needed and the Board should make an informed decision based on documented reasons. A staff member stated that staff will continue to document the ideas and questions brought forward by the Board in order to include those in the larger discussion that will occur at an upcoming meeting once the other study results are presented to the Board.

8. ADMINISTRATOR'S REPORT

A. Meetings Attended

No comments.

B. Upcoming Meetings and Dates

No comments.

C. 2021 Budget Planning Memo

Staff asked for input on dates and input related to the budget discussions. Managers provided some input on additional details they would like to see in the budget presentation.

9. PROJECT AND PROGRAM STATUS REPORTS

A. Ongoing Project and Program Updates

- i. Owasso Basin Bypass Program Update
- ii. West Vadnais to South I-694 Conveyance Feasibility Study
- iii. Willow Creek Flood Damage Reduction Feasibility Study
- iv. Ames Lake Flood Damage Reduction Feasibility Study
- v. FEMA Flood Mapping Updates
- vi. Water Management Plan Updates
- vii. Automated Lake Monitoring Systems
- viii. Wakefield Park/Frost Avenue Stormwater Project
- ix. Targeted Retrofit Projects
- x. Target Store Stormwater Retrofits
- xi. Kohlman Permeable Weir Test System
- xii. Aldrich Arena Stormwater Project
- xiii. Keller Channel Weir and Phalen Outlet Resiliency Modifications
- xiv. West Vadnais Lakes Outlet Lowering
- xv. Twin Lake Outlet
- xvi. CIP Maintenance and Repair 2020 Project
- xvii. 2019 Tanners Lake Alum Facility Monitoring
- xviii. Internal Load Management Discussion
- xix. Wakefield Lake Internal Loading Study
- xx. Natural Resources Program
- xxi. Education Program

Staff provided updates on the status of different construction projects included on the list.

10. REPORTS OF MANAGERS

No comments.

11. ADJOURN

Motion: Manager Aichinger moved, Manager Swope seconded, to adjourn the meeting at 8:46 p.m. Motion carried unanimously.

RWMWD BUDGET STATUS REPORT
 Administrative & Program Budget
 Fiscal Year 2020
 7/31/2020

Budget Category	Budget Item	Account Number	Original Budget	Budget Transfers	Current Month Expenses	Year-to-Date Expenses	Current Budget Balance	Percent of Budget
Manager	Per diems	4355	\$8,500.00	-	-	1,800.00	\$6,700.00	21.18%
	Manager expenses	4360	3,500.00	-	-	-	3,500.00	0.00%
	Committee/Bd Mtg. Exp.	4365	3,500.00	-	317.04	1,808.54	1,691.46	51.67%
Sub-Total: Managers/Committees:			\$15,500.00	\$0.00	\$317.04	\$3,608.54	\$11,891.46	23.28%
Employees	Staff salary/taxes/benefits	4010	1,450,000.00	-	115,039.34	836,045.93	613,954.07	57.66%
	Employee expenses	4020	10,000.00	-	6,607.56	14,082.50	(4,082.50)	140.83%
	District training & education	4350	25,000.00	-	-	819.94	24,180.06	3.28%
	Sub-Total: Employees:			\$1,485,000.00	\$0.00	\$121,646.90	\$850,948.37	\$634,051.63
Administration/ Office	GIS system maint. & equip.	4170	15,000.00	-	-	1,694.02	13,305.98	11.29%
	Data Base/GIS Maintenance	4171	5,000.00	-	2,600.00	2,600.00	2,400.00	52.00%
	Equipment maintenance	4305	3,000.00	-	-	-	3,000.00	0.00%
	Telephone	4310	8,000.00	-	284.64	629.52	7,370.48	7.87%
	Office supplies	4320	5,000.00	-	404.25	3,294.26	1,705.74	65.89%
	IT/Internet/Web Site/Software Lic.	4325	55,000.00	-	6,445.23	33,727.93	21,272.07	61.32%
	Postage	4330	5,000.00	-	-	287.10	4,712.90	5.74%
	Printing/copying	4335	8,000.00	-	294.00	3,145.55	4,854.45	39.32%
	Dues & publications	4338	11,000.00	-	-	7,595.00	3,405.00	69.05%
	Janitorial/Trash Service	4341	15,000.00	-	-	-	15,000.00	0.00%
	Utilities/Bldg.Contracts	4342	20,000.00	-	691.61	17,054.96	2,945.04	85.27%
	Bldg/Site Maintenance	4343	200,000.00	-	757.50	5,661.83	194,338.17	2.83%
	Miscellaneous	4390	5,000.00	-	-	377.00	4,623.00	7.54%
	Insurance	4480	40,000.00	-	-	42,916.02	(2,916.02)	107.29%
	Office equipment	4703	150,000.00	-	-	7,576.96	142,423.04	5.05%
	Vehicle lease, maintenance	4810-40	43,000.00	-	486.07	31,174.05	11,825.95	72.50%
	Sub-Total: Administration/Office:			\$588,000.00	\$0.00	\$11,963.30	\$157,734.20	\$430,265.80
Consultants/ Outside Services	Auditor/Accounting	4110	60,000.00	-	1,951.00	42,402.73	17,597.27	70.67%
	Engineering-administration	4121	93,000.00	-	4,767.00	39,065.90	53,934.10	42.01%
	Engineering-permit I&E	4122	10,000.00	-	44.00	44.00	9,956.00	0.44%
	Engineering-eng. review	4123	55,000.00	-	2,989.50	23,981.50	31,018.50	43.60%
	Engineering-permit review	4124	55,000.00	-	1,425.00	27,855.50	27,144.50	50.65%
	Project Feasibility Studies	4129	570,000.00	-	83,262.90	168,953.96	401,046.04	29.64%
	Attorney-permits	4130	10,000.00	-	-	-	10,000.00	0.00%
	Attorney-general	4131	40,000.00	-	3,067.00	17,246.00	22,754.00	43.12%
	Outside Consulting Services	4160	40,000.00	-	-	-	40,000.00	0.00%
	Sub-Total: Consultants/Outside Services:			\$933,000.00	\$0.00	\$97,506.40	\$319,549.59	\$613,450.41
Programs	Educational programming	4370	60,000.00	-	906.07	6,699.66	53,300.34	11.17%
	Communications & Marketing	4371	25,000.00	-	448.39	3,926.63	21,073.37	15.71%
	Events	4372	50,000.00	-	-	23,592.03	26,407.97	47.18%
	Water QM-Engineering	4520-30	185,000.00	-	19,199.13	82,945.87	102,054.13	44.84%
	Project operations	4650	160,000.00	-	12,198.88	51,660.80	108,339.20	32.29%
	SLMP/TMDL Studies	4661	173,000.00	-	10,675.74	32,207.59	140,792.41	18.62%
	Natural Resources/Keller Creek	4670-72	140,000.00	-	17,336.26	34,440.77	105,559.23	24.60%
	Outside Prog.Support/Weed Mgmt.	4683-84	67,000.00	-	4,008.22	35,328.02	31,671.98	52.73%
	Research Projects	4695	95,000.00	-	296.00	41,330.50	53,669.50	43.51%
	Health and Safety Program	4697	3,000.00	-	322.34	1,311.73	1,688.27	43.72%
	NPDES Phase II	4698	10,000.00	-	-	-	10,000.00	0.00%
	Sub-Total: Programs:			\$968,000.00	\$0.00	\$65,391.03	\$313,443.60	\$654,556.40
GENERAL FUND TOTAL			\$3,989,500.00	\$0.00	\$296,824.67	\$1,645,284.30	\$2,344,215.70	41.24%
CIP's	CIP Project Repair & Maintenance	516	1,115,000.00	-	41,917.14	973,225.86	141,774.14	87.28%
	Targeted Retrofit Projects	518	1,012,000.00	-	29,010.49	226,453.91	785,546.09	22.38%
	Flood Risk Reduction Fund	520	4,000,000.00	-	53,326.44	256,005.09	3,743,994.91	6.40%
	Debt Services-96-97 Beltline/MM/Battle Creek	526	400,074.00	-	-	397,918.26	2,155.74	99.46%
	Stewardship Grant Program Fund	528-529	1,000,000.00	-	203,309.85	288,138.19	711,861.81	28.81%
	Impervious Surface Volume Reduction Opportunity	531	1,600,000.00	-	-	-	1,600,000.00	0.00%
	Wakefield Park Project	553	100,000.00	-	2,257.50	17,554.77	82,445.23	17.55%
District Office Bond Payment	585	194,885.00	-	-	120,358.21	74,526.79	61.76%	
CIP BUDGET TOTAL			\$9,421,959.00	\$0.00	\$329,821.42	\$2,279,654.29	\$7,142,304.71	24.20%
TOTAL BUDGET			\$13,411,459.00	\$0.00	\$626,646.09	\$3,924,938.59	\$9,486,520.41	29.27%

Current Fund Balances:

Fund:	Beginning Fund Balance @ 12/31/19	Fund Transfers	Year to date Revenue	Current Month Expenses	Year to Date Expense	Fund Balance @ 07/31/20
101 - General Fund	\$4,633,167.33	-	1,424,243.41	296,824.67	1,645,284.30	4,412,126.44
516 - CIP Project Repair & Maintenance	1,160,359.00	-	314,851.97	41,917.14	973,225.86	501,985.11
518 - Targeted Retrofit Projects	(52,309.00)	-	518,097.89	29,010.49	226,453.91	239,334.98
520 - Flood Damage Reduction Fund	2,565,820.00	-	780,950.13	53,326.44	256,005.09	3,090,765.04
526 - Debt Services-96-97 Beltline/MM/Beltline-Battle Creek Tunnel Repair	1,252,348.00	-	47,412.61	-	397,918.26	901,842.35
528/529 - Stewardship Grant Program Fund	711,696.00	-	409,563.54	203,309.85	288,138.19	833,121.35
531 - Impervious Surface Volume Reduction Opportunity	1,484,215.00	-	51,195.44	-	-	1,535,410.44
553 - Wakefield Park Project	268,349.00	-	-	2,257.50	17,554.77	250,794.23
580 - Contingency Fund	891,682.00	-	-	-	-	891,682.00
585 - Certificates of Participation	130,460.00	-	100,107.71	-	120,358.21	110,209.50
Total District Fund Balance	\$13,045,787.33	\$0.00	\$ 3,646,422.70	\$ 626,646.09	\$3,924,938.59	\$12,767,271.44

Ramsey Washington Metro Watershed Dist.
Check Register
For the Period From Jul 1, 2020 to Jul 31, 2020

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
EFT	07/15/20	hea002	Aug 2020	HealthPartners	Employee Benefits	\$11,909.86
71617	07/07/20	ada002	3143032	Adam's Pest Control, Inc.	Bldg/Site Maintenance	79.00
71618	07/07/20	aws001	S1335957-070120	AWS Service Center	Janitorial/Trash Service	212.34
71619	07/07/20	ben002	Jul 2020	Benefit Extras, Inc.	Employee Benefits	90.00
71620	07/07/20	gal001	Jun 2020	Galowitz Olson, PLLC	June Legal Expense	1,955.00
71621	07/07/20	hom001	06/28/20	Home Depot Credit Services	Natural Resources Project	224.34
71622	07/07/20	min008	24230	Minnesota Native Landscapes, Inc.	Construction Imp.-Maint. & Repair	26,768.25
71623	07/07/20	spr002	06/30/20	SPRWS	Project Operations	103.78
71624	07/07/20	usb005	410899264	US Bank Equipment Finance	Printing Expense	294.00
71625	07/07/20	voy001	869293423026	US Bank Voyager Fleet Sys.	Vehicle Fuel	179.76
71626	07/07/20	car007	Jul 2020	Carp Solutions, LLC	Natural Resources Project	8,620.00
71627	07/07/20	lak007	Jul 2020	Lakes Aquatic Weed Removal	Natural Resources Project	4,797.50
71628	07/28/20	ahl001	Jul 2020	Paige Ahlborg	Employee Reimbursement	449.44
71629	07/28/20	app001	002268	Applied Ecological Services, Inc.	Stewardship Grant Fund	23,108.80
71630	07/28/20	att002	287256653401X07252020	AT & T Mobility - ROC	Telephone/Water QM Staff	80.45
71631	07/28/20	bar001	6/13-7/17/20	Barr Engineering	June/July Engineering Expense	194,407.35
71632	07/28/20	bar002	1/7/20	Bill Bartodziej	Employee Reimbursement	2,069.74
71633	07/28/20	bar004	7/24/20	Deborah Barnes	Employee Reimbursement	57.25
71634	07/28/20	bar009	Jul 2020	Seth Bartodziej	Employee Reimbursement	213.15
71635	07/28/20	bur002	20-09	Tom Burns Consulting, LLC	Data Base/GIS/Stewardship	4,680.00
71636	07/28/20	cad001	16958027	Allstream	Water QM Staff	65.70
71637	07/28/20	cav001	20-13 CS	Caves Century HOA	Stewardship Grant Fund	100,000.00
71638	07/28/20	cit001	07/15/20	City of Little Canada	Utilities/Bldg. Contracts	97.37
71639	07/28/20	cit011	229252	City of Roseville	IT/Website/Software	6,349.00
71640	07/28/20	com004	7/15/20	Comcast	Utilities/Bldg. Contracts	65.38
71641	07/28/20	cra002	20-24 CS	Bill Cranford	Stewardship Grant Fund	4,428.00
71642	07/28/20	don001	Jul 2020	Matthew Doneux	Employee Reimbursement	827.65
71643	07/28/20	fis002	19-20 CS	Fish & Waters Conservation Fund	Stewardship Grant Fund	810.42
71644	07/28/20	gal001	7/23/20	Galowitz Olson, PLLC	July Legal Expense	2,832.00
71645	07/28/20	gil001	194285	Gilbert Mechanical Contractors, Inc.	Bldg/Site Maintenance	366.16
71646	07/28/20	haw001	4745050/4759957	Hawkins, Inc.	Project Operations	11,103.60
71647	07/28/20	int001	W200650512	Office of MN, IT Services	Telephone Expense	57.48
71648	07/28/20	kor001	07/16/20	Eric Korte	Employee Reimbursement	481.81
71649	07/28/20	kub001	Jul 2020	Kyle W. Kubitza	Employee Reimbursement	949.58
71650	07/28/20	lak007	07/15/20	Lakes Aquatic Weed Removal	Stewardship Grant Fund	15,700.00
71651	07/28/20	len001	20-17 CS	Kristopher Lencowski	Stewardship Grant Fund	250.00
71652	07/28/20	mau001	Jul 2020	Ashly Maus	Employee Reimbursement	372.60
71653	07/28/20	mel001	May-Jul 2020	Michelle L. Melser	Employee Reimbursement	372.25
71654	07/28/20	mid001	6604092	Quicksilver Express Courier	Natural Resources Project	37.69
71655	07/28/20	min008	24722/25006/2482/25157	Minnesota Native Landscapes, Inc.	Nat.Res./Stewardship/Maint. & Rep.	10,326.50
71656	07/28/20	nel004	661	Nelco Landscaping	Stewardship Grant Fund	21,778.97
71657	07/28/20	nor013	38506	Northern Dewatering, Inc.	Construction-Flood Damage	8,968.20
71658	07/28/20	nov003	02-25 CS	Andrew Novak	Stewardship Grant Fund	1,371.68
71659	07/28/20	nsp001	691619331	Xcel Energy	Proj.Oper./Utilities/Water QM Staff	506.31
71660	07/28/20	out001	18-22 CS	Outdoor Lab Landscape Design, Inc.	BMP Cost Share Program	7,903.00
71661	07/28/20	pac001	2012019511	Pace Analytical Services, Inc.	Water QM Staff	716.00
71662	07/28/20	pas002	Mar-Jul 2020	Sage Passi	Employee Reimbursement	482.58
71663	07/28/20	pet001	42826	Peterson Companies, Inc.	Project Operations	5,252.80
71664	07/28/20	pra001	2019003000	Prairie Moon Nursery, Inc.	Natural Resources Project	1,930.00
71665	07/28/20	pre003	317609460	Premium Waters, Inc.	Utilities/Bldg. Contracts	24.00
71666	07/28/20	ram002	PRK-001763	Ramsey County	Stewardship Grant Fund	25,632.00
71667	07/28/20	red002	150454435	Redpath & Company, Ltd	June Accounting Services	1,951.00
71668	07/28/20	sch009	25275	Schlomka Services, LLC	Construction Imp.-Maint. & Repair	512.50
71669	07/28/20	sim001	Jun/Jul 2020	Emily Simmons	Employee Reimbursement	668.73
71670	07/28/20	sod001	Jul 2020	Nicole Soderholm	Employee Reimbursement	94.05
71671	07/28/20	tim002	M25763	Timesaver Off-Site Secretarial, Inc.	Committee/Board Meeting Exp.	254.50

Ramsey Washington Metro Watershed Dist.
Check Register
For the Period From Jul 1, 2020 to Jul 31, 2020

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
71672	07/28/20	tro002	20-07	Cathy Troendle	Educational Program	744.40
71673	07/28/20	usb002	Jul 2020	U.S. Bank	Monthly Credit Card Expense	2,088.14
71674	07/28/20	van003	Jun/Jul 2020	Erika Van Krevelen	Employee Reimbursement	419.75
71675	07/28/20	vik001	3196814	Viking Industrial Center	Healthy & Safety Program	322.34
71676	07/28/20	vla001	1/1/20	Dave Vlasin	Employee Reimbursement	1,635.30
71677	07/28/20	voy001	869293423030	US Bank Voyager Fleet Sys.	Vehicle Fuel	197.91
71678	07/28/20	was002	4911/4898	Washington Conservation District	Prog.Supp/Water QM/Stewardship	4,565.55
Total						<u><u>\$523,812.91</u></u>
EFT	06/12/20	myp001	06/12/20	June 12th Payroll Fees	4110-101-000	72.95
EFT	06/26/20	myp001	06/26/20	June 26th Payroll Fees	4110-101-000	74.90
Dir.Dep.	07/10/20	---	Payroll Expense-Net	July 10th Payroll	4010-101-000	30,103.25
EFT	07/10/20	int002	Internal Rev.Serv.	July 10th Federal Withholding	2001-101-000	10,275.44
EFT	07/10/20	mnd001	MN Revenue	July 10th State Withholding	2003-101-000	1,862.68
EFT	07/10/20	per001	PERA	July 10th PERA	2011-101-000	5,999.38
EFT	07/10/20	emp002	Empower Retirement	Employee Def.Comp. Contributions	2016-101-000	3,404.00
EFT	07/10/20	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	425.00
Dir.Dep.	07/24/20	---	Payroll Expense-Net	July 24th Payroll	4010-101-000	30,079.25
EFT	07/24/20	int002	Internal Rev.Serv.	July 24th Federal Withholding	2001-101-000	10,266.74
EFT	07/24/20	mnd001	MN Revenue	July 24th State Withholding	2003-101-000	1,860.98
EFT	07/24/20	per001	PERA	July 24th PERA	2011-101-000	5,994.62
EFT	07/24/20	emp002	Empower Retirement	Employee Def.Comp. Contributions	2016-101-000	3,404.00
EFT	07/24/20	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	425.00
Payroll/Benefits						<u><u>\$104,248.19</u></u>
Total						Accounts Payable/Payroll/Benefits: <u><u>\$628,061.10</u></u>

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2020 - July 31, 2020

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
07/15/20	EFT	hea002	HealthPartners	4040-101-000	Employee Benefits-General	\$11,909.86	
07/07/20	71617	ala002	Adam's Pest Control	4343-101-000	Bldg./Site Maintenance	79.00	
07/07/20	71618	aws001	AWS Service Center	4343-101-000	Bldg./Site Maintenance	212.34	
07/07/20	71619	ben002	Benefit Extras, Inc.	4040-101-000	Employee Benefits-General	90.00	
07/07/20	71620	gal001	Galawitz Olson, PLLC			1,955.00	
				4131-101-000	Attorney General-General		1,199.00
				4131-520-000	Attorney-Flood Damage		756.00
07/07/20	71621	hom001	Home Depot Credit Services	4670-101-000	Natural Resources Project-General	224.34	
07/07/20	71622	min008	Minnesota Native Landscapes, Inc.			26,768.25	
				4630-516-000	Construction Imp.-Maint. & Repair		525.00
				4630-516-000	Construction Imp.-Maint. & Repair		26,243.25
07/07/20	71623	spr002	SPRWS	4650-101-000	Project Operations-General	103.78	
07/07/20	71624	usb005	US Bank Equipment Finance	4335-101-000	Printing-General	294.00	
07/07/20	71625	voy001	US Bank Voyager Fleet Sys.	4830-101-000	Vehicle Fuel-General	179.76	
07/07/20	71626	car007	Carp Solutions, LLC	4670-101-000	Natural Resources Project-General	8,620.00	
07/07/20	71627	lak007	Lakes Aquatic Weed Removal	4682-529-000	Natural Resources Project-General	4,797.50	
07/28/20	71628	ahl001	Paige Ahlberg			449.44	
				4020-101-000	Employee Expenses-General		299.58
				4040-101-000	Employee Benefits-General		40.00
				4320-101-000	Office Supplies-General		109.86
07/28/20	71629	app001	Applied Ecological Services, Inc.	4682-529-000	Stewardship Grant Fund	23,108.80	
07/28/20	71630	att002	AT & T Mobility - ROC			80.45	
				4530-101-000	Water QM Staff-General		44.22
				4310-101-000	Telephone-General		36.23
07/28/20	71631	bar001	Barr Engineering			194,407.35	
				4121-101-000	Engineering Admin-General Fund		4,767.00
				4123-101-000	Engineering-Review		2,989.50
				4129-101-000	Project Feasability-General		1,955.50
				4129-101-000	Project Feasability-General		56,920.90
				4129-101-000	Project Feasability-General		2,897.00
				4129-101-000	Project Feasability-General		525.00
				4129-101-000	Project Feasability-General		19,515.50
				4129-101-000	Project Feasability-General		1,449.00
				4520-101-000	Water QM-Engineering		8,673.50
				4520-101-000	Water QM-Engineering		1,924.30
				4520-101-000	Water QM-Engineering		2,311.50
				4520-101-000	Water QM-Engineering		4,344.20
				4520-101-000	Water QM-Engineering		130.00
				4520-101-000	Water QM-Engineering		132.00
				4520-101-000	Water QM-Engineering		455.00
				4122-101-000	Permit I & E-Engineering		44.00
				4124-101-000	Engineering-Permit Review		1,425.00
				4661-101-000	SLMP/TMDL Studies		97.00
				4661-101-000	SLMP/TMDL Studies		7,276.24
				4661-101-000	SLMP/TMDL Studies		700.00
				4661-101-000	SLMP/TMDL Studies		87.50

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2020 - July 31, 2020

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
				4661-101-000	SLMP/TMDL Studies		2,515.00
				4695-101-000	Research Projects-General		296.00
				4650-101-000	Project Operations-General		991.50
				4128-518-000	Engineering-School/Commer Retrofit		11,794.15
				4128-518-000	Engineering-School/Commer Retrofit		394.00
				4128-518-000	Engineering-School/Commer Retrofit		4,373.88
				4128-553-000	Engineering-Wakefield		2,257.50
				4128-518-000	Engineering-School/Commer Retrofit		1,575.00
				4128-518-000	Engineering-School/Commer Retrofit		2,013.36
				4128-518-000	Engineering-School/Commer Retrofit		957.10
				4682-529-000	Stewardship Grant Fund		1,554.48
				4128-520-000	Engineering-Flood Damage		30,767.30
				4128-520-000	Engineering-Flood Damage		4,502.75
				4128-516-000	Engineering-Maint. & Repair		1,914.74
				4128-516-000	Engineering-Maint. & Repair		1,944.50
				4128-516-000	Engineering-Maint. & Repair		5,907.15
				4128-520-000	Engineering-Flood Damage		2,029.30
07/28/20	71632	bar002	Bill Bartodziej			2,069.74	
				4020-101-000	Employee Expenses-General		1,650.25
				4040-101-000	Employee Benefits-General		380.00
				4670-101-000	Natural Resources Project-General		39.49
07/28/20	71633	bar004	Deborah Barnes			57.25	
				4020-101-000	Employee Expenses-General		17.25
				4040-101-000	Employee Benefits-General		40.00
07/28/20	71634	bar009	Seth Bartodziej			213.15	
				4020-101-000	Employee Expenses-General		104.75
				4840-101-000	Vehicle Misc.-General		108.40
07/28/20	71635	bur002	Tom Burns Consulting, LLC			4,680.00	
				4171-101-000	Data Base/GIS Maintenance		2,600.00
				4682-529-000	Stewardship Grant Fund		2,080.00
07/28/20	71636	cad001	Allstream				
				4530-101-000	Water QM Staff-General	65.70	
07/28/20	71637	cav001	Caves Century HOA			100,000.00	
07/28/20	71638	cit001	City of Little Canada			97.37	
07/28/20	71639	cit011	City of Roseville			6,349.00	
07/28/20	71640	com004	Comcast			65.38	
07/28/20	71641	cra002	Bill Cranford			4,428.00	
07/28/20	71642	don001	Matthew Doneux			827.65	
				4040-101-000	Employee Benefits-General		90.00
				4670-101-000	Natural Resources Project-General		604.82
				4020-101-000	Employee Expenses-General		132.83
07/28/20	71643	fis002	Fish & Waters Conservation Fund			810.42	
07/28/20	71644	gal001	Galawitz Olson, PLLC			2,832.00	
				4131-101-000	Attorney General-General		1,868.00
				4131-520-000	Attorney-Flood Damage		964.00
07/28/20	71645	gid001	Gilbert Mechanical Contractors, Inc.			366.16	
07/28/20	71646	haw001	Hawkins, Inc.			11,103.60	
07/28/20	71647	int001	Office of MN, IT Services			57.48	

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2020 - July 31, 2020

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
07/28/20	71648	don001	Eric Korte			481.81	
				4040-101-000	Employee Benefits-General		80.00
				4530-101-000	Water QM Staff-General		149.96
				4020-101-000	Employee Expenses-General		251.85
07/28/20	71649	kub001	Kyle W. Kubitz			949.58	
				4020-101-000	Employee Expenses-General		31.50
				4530-101-000	Water QM Staff-General		9.00
				4020-101-000	Employee Expenses-General		909.08
07/28/20	71650	lak007	Lakes Aquatic Weed Removal	4682-529-000	Stewardship Grant Fund	15,700.00	
07/28/20	71651	len001	Kristopher Lencowski	4682-529-000	Stewardship Grant Fund	250.00	
07/28/20	71652	mau001	Ashly Maus	4020-101-000	Employee Expenses-General	372.60	
07/28/20	71653	mel001	Michelle L. Melser			372.25	
				4020-101-000	Employee Expenses-General		268.76
				4320-101-000	Office Supplies-General		3.49
				4343-101-000	Bldg./Site Maintenance		100.00
07/28/20	71654	mid001	Quicksilver Express Courier	4670-101-000	Natural Resources Project-General	37.69	
07/28/20	71655	min008	Minnesota Native Landscapes, Inc.			10,326.50	
				4630-516-000	Construction Imp.-Maint. & Repair		4,870.00
				4670-101-000	Natural Resources Project-General		5,321.50
				4670-101-000	Natural Resources Project-General		135.00
07/28/20	71656	nel004	Nelco Landscaping	4682-529-000	Stewardship Grant Fund	21,778.97	
07/28/20	71657	nor013	Northern Dewatering, Inc.	4650-520-000	Project Operations-Flood Damage	8,968.20	
07/28/20	71658	nov003	Andrew Novak	4682-529-000	Stewardship Grant Fund	1,371.68	
07/28/20	71659	nsp001	Xcel Energy			506.31	
				4650-520-000	Project Operations-Flood		86.09
				4530-101-000	Water QM Staff-General		127.20
				4342-101-000	Utilities/Bldg. Contracts		293.02
07/28/20	71660	out001	Outdoor Lab Landscape Design, Inc.	4682-518-000	BMP Cost Share Program	7,903.00	
07/28/20	71661	pac001	Pace Analytical Services, Inc.	4530-101-000	Water QM Staff-General	716.00	
07/28/20	71662	pas002	Sage Passi			482.58	
				4020-101-000	Employee Expenses-General		208.73
				4370-101-000	Educational Program-General		113.85
				4040-101-000	Employee Benefits-General		160.00
07/28/20	71663	pet001	Peterson Companies, Inc.	4650-520-000	Project Operations-Flood	5,252.80	
07/28/20	71664	pra001	Prairie Moon Nursery, Inc.	4670-101-000	Natural Resources Project-General	1,930.00	
07/28/20	71665	pre003	Premium Waters, Inc.	4342-101-000	Utilities/Bldg. Contracts	24.00	
07/28/20	71666	ram002	Ramsey County	4682-529-000	Stewardship Grant Fund	25,632.00	
07/28/20	71667	red002	Redpath & Company, Ltd.	4110-101-000	Auditor/Accounting	1,951.00	
07/28/20	71668	sch009	Schlomka Services, LLC	4630-516-000	Construction Imp.-Maint. & Repair	512.50	
07/28/20	71669	sim001	Emily Simmons	4020-101-000	Employee Expenses-General	668.73	
07/28/20	71670	sod001	Nicole Soderholm			94.05	
				4040-101-000	Employee Benefits-General		40.00
				4020-101-000	Employee Expenses-General		54.05
07/28/20	71671	tim002	Timesaver Off-Site Secretarial, Inc.	4365-101-000	Committee/Board Meeting Expense	254.50	
07/28/20	71672	tro002	Cathy Troendle	4370-101-000	Educational Program-General	744.40	

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2020 - July 31, 2020

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
07/28/20	71673	usb002	U.S. Bancorp			2,088.14	
				4342-101-000	Utilities/Bldg. Contracts		211.84
				4325-101-000	IT/Website/Software		96.23
				4320-101-000	Office Supplies-General		67.35
				4320-101-000	Office Supplies-General		55.00
				4670-101-000	Natural Resources Project-General		232.39
				4371-101-000	Communications & Marketing		64.39
				4320-101-000	Office Supplies-General		24.00
				4320-101-000	Office Supplies-General		8.55
				4670-101-000	Natural Resources Project-General		622.45
				4365-101-000	Committee/Board Meeting Expense		62.54
				4371-101-000	Communications & Marketing		384.00
				4320-101-000	Office Supplies-General		119.00
				4670-101-000	Natural Resources Project-General		92.58
				4370-101-000	Educational Program-General		47.82
07/28/20	71674	van003	Erika Van Krevelen	4020-101-000	Employee Expenses-General	419.75	
07/28/20	71675	vik001	Viking Industrial Center	4697-101-000	Health & Safety Program	322.34	
07/28/20	71676	vla001	David Vlasin	4325-101-000	IT/Website/Software		
						1,635.30	
				4020-101-000	Employee Expenses-General		1,217.85
				4040-101-000	Employee Benefits-General		400.45
				4320-101-000	Office Supplies-General		17.00
07/28/20	71677	voy001	US Bank Voyager Fleet Sys.	4830-101-000	Vehicle Fuel-General	197.91	
07/28/20	71678	was002	Washington Conservation District			4,565.55	
				4683-101-000	Outside Program Support		3,175.00
				4530-101-000	Water QM Staff-General		116.55
				4682-529-000	Stewardship Grant Fund		1,274.00
Accounts Payable Total:						\$523,812.91	
EFT	06/12/20	myp001	Payroll Fees	4110-101-000	June 12th Payroll Fees	72.95	
EFT	06/26/20	myp001	Payroll Fees	4110-101-000	June 26th Payroll Fees	74.90	
Dir.Dep.	07/10/20	---	Payroll Expense-Net	4010-101-000	July 10th Payroll	30,103.25	
EFT	07/10/20	int002	Internal Revenue Service	2001-101-000	July 10th Federal Withholding	10,275.44	
EFT	07/10/20	mnd001	MN Revenue	2003-101-000	July 10th State Withholding	1,862.68	
EFT	07/10/20	per001	PERA	2011-101-000	July 10th PERA	5,999.38	
EFT	07/10/20	emp002	Empower Retirement	2016-101-000	Employee Def.Comp. Contributions	3,404.00	
EFT	07/10/20	emp002	Empower Retirement	2018-101-000	Employee IRA Contributions	425.00	
Dir.Dep.	07/24/20	---	July 24th Payroll	4010-101-000	July 24th Payroll	30,079.25	
EFT	07/24/20	int002	July 24th Federal Withholding	2001-101-000	July 24th Federal Withholding	10,266.74	
EFT	07/24/20	mnd001	July 24th State Withholding	2003-101-000	July 24th State Withholding	1,860.98	
EFT	07/24/20	per001	July 24th PERA	2011-101-000	July 24th PERA	5,994.62	
EFT	07/24/20	emp002	Employee Def.Comp. Contributions	2016-101-000	Employee Def.Comp. Contributions	3,404.00	
EFT	07/24/20	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	425.00	
Payroll/Benefits						\$104,248.19	
TOTAL:						\$628,061.10	



**Summary of Professional Engineering Services During the Period
June 13, 2020 through July 17, 2020**

	Total Engineering Budget (2020)	Total Fees to Date (2020)	Budget Balance (2020)	Fees During Period	District Accounting Code	Plan Implementation Task Number
Engineering Administration						
General Engineering Administration	\$76,000.00	\$39,065.90	\$36,934.10	\$4,767.00	4121-101	DW-13
RWMWD Health and Safety/ERTK Program	\$2,000.00	\$850.00	\$1,150.00		4697-101	DW-13
Educational Program/Educational Forum Assistance	\$20,000.00	\$1,109.50	\$18,890.50		4123-101	DW-11
Engineering Review						
Engineering Review	\$55,000.00	\$23,981.50	\$31,018.50	\$2,989.50	4123-101	DW-13
Project Feasibility Studies						
Interim emergency response plan funds for top priority District flooding areas	\$45,000.00	\$154.00	\$44,846.00		4123-101	DW-19
Beltline Resiliency and Phalen Chain Water Level Management Study	\$217,000.00	\$169,654.00	\$47,346.00		4123-101	BELT-3
FEMA Flood Mapping Update	\$109,720.00	\$52,879.00	\$56,841.00	\$1,955.50	4123-101	DW-9
Modeling of 500-year event Atlas 14 District-wide (Climate Change Scenario) and Generation of Flood Maps for Future Outreach Efforts	\$70,000.00	\$47,182.00	\$22,818.00		4123-101	DW-9
Hilcrest Golf Course (multi-use)	\$25,000.00	\$6,398.00	\$18,602.00		4123-101	DW-6
Gold BRT planning	\$20,000.00	\$0.00	\$20,000.00		4123-101	DW-6
Owasso Basin by-pass pipeline feasibility study/prelim design (Atlas 14 #1 priority area)	\$125,000.00	\$79,335.73	\$45,664.27	\$56,920.90	4123-101	GC-3, BELT-3
Willow Creek flood damage reduction feasibility study (Atlas 14 #2 priority flooding area)	\$50,000.00	\$4,705.50	\$45,294.50	\$2,897.00	4123-101	DW-9, BELT-3
Ames Lake area flood damage reduction feasibility study (Atlas 14 #3 priority area)	\$50,000.00	\$2,097.00	\$47,903.00	\$525.00	4123-101	DW-9, BELT-3
West Vadnais Lake to South of I-694 Conveyance Feasibility Study	\$35,000.00	\$51,827.73	-\$16,827.73	\$19,515.50	4123-101	DW-9, BELT-3
Battle Creek PFAS (monitoring, source ID, meetings, communications)	\$25,000.00	\$1,150.00	\$23,850.00		4123-101	DW-10
694/494/94 WQ treatment feasibility study	\$30,000.00	\$0.00	\$30,000.00		4123-101	BCL-3
Subwatershed feasibility studies for At-Risk creeks (Fish Creek and Gervais Creek)	\$40,000.00	\$5,908.50	\$34,091.50	\$1,449.00	4123-101	DW-1, DW-2
Battle Creek Lower Ravine Restoration Feasibility Study	\$25,000.00	\$0.00	\$25,000.00		4123-101	BC-3
Welland Restoration Site Search	\$25,000.00	\$29,059.60	-\$4,059.60		4123-101	DW-8
Contingency*	\$25,000.00	\$0.00	\$25,000.00		4123-101	
GIS Maintenance						
GIS Maintenance	\$5,000.00	\$0.00	\$5,000.00		4170-101	DW-13
Monitoring Water Quality/Project Monitoring						
Lake Water Quality Monitoring (Misc QA/QC)	\$10,000.00	\$0.00	\$10,000.00		4520-101	DW-2
Special Project BMP Monitoring and annual report development	\$25,000.00	\$16,340.00	\$8,660.00	\$8,673.50	4520-101	DW-12
Auto lake monitoring system for Grass Lake	\$20,000.00	\$20,620.11	-\$620.11		4520-101	DW-18
Auto lake monitoring system for Owasso Lake	\$20,000.00	\$23,584.23	-\$3,584.23	\$1,924.30	4520-101	DW-18
Auto lake monitoring system for Phalen Lake	\$20,000.00	\$18,891.28	\$1,108.72		4520-101	DW-18
Auto lake monitoring system for Snail Lake	\$20,000.00	\$22,200.99	-\$2,200.99	\$2,311.50	4520-101	DW-18
Auto lake monitoring system for Wabasso Lake	\$20,000.00	\$22,072.60	-\$2,072.60	\$4,344.20	4520-101	DW-18
Auto lake monitoring system for Tanners Lake	\$20,000.00	\$130.00	\$19,870.00	\$130.00	4520-101	DW-18
Auto lake monitoring system for Twin Lake	\$20,000.00	\$132.00	\$19,868.00	\$132.00	4520-101	DW-18
Auto lake monitoring system Data Webpage	\$20,000.00	\$455.00	\$19,545.00	\$455.00	4520-101	DW-18
Permit Processing, Inspection and Enforcement						
Permit Application Inspection and Enforcement	\$10,000.00	\$44.00	\$9,956.00	\$44.00	4122-101	DW-7
Permit Application Review	\$55,000.00	\$27,855.50	\$27,144.50	\$1,425.00	4124-101	DW-7
Lake Studies/WRPPs/TMDL Reports						
2020 Grant Applications	\$20,000.00	\$133.00	\$19,867.00		4661-101	DW-13
Tanners Flood Response Tool Model Update	\$3,000.00	\$1,609.00	\$1,391.00	\$97.00	4661-101	Tal-1
Internal load management - Sediment cores and macrophyte surveys for Wakefield, Bennett, Kohlman Lake, Round Lake (LC), Beaver Lake, Battle Creek Lake, Lake Owasso, Lake Emily, Twin Lake	\$50,000.00	\$19,803.74	\$30,196.26	\$7,276.24	4661-101	KL-2, GC-2, WL-3, BL-3, BCL-2, LE-4, Bel-3, LO-5, LE-4
Wakefield Lake internal load modeling (sediment and curlyleaf)	\$30,000.00	\$3,077.00	\$26,923.00	\$700.00	4661-101	WL-3, WL-4
WMP Updates - Including Implementation Plan Updates	\$10,000.00	\$1,335.00	\$8,665.00	\$87.50	4661-101	DW-13
Prioritization of water quality projects from subwatershed feasibility studies	\$15,000.00	\$6,249.85	\$8,750.15	\$2,515.00	4661-101	DW-13
Contingency for Lake Studies	\$25,000.00	\$0.00	\$25,000.00		4661-101	
Research Projects						
New Technology Mini Case Studies (average 6 per year)	\$12,000.00	\$282.50	\$11,717.50		4695-101	DW-12
Kohlman Permeable Weir Test System - Implement Monitoring Plan	\$15,000.00	\$2,560.00	\$12,440.00	\$296.00	4695-101	DW-12
Phalen Chain of Lakes Changes in Water Quality	\$5,000.00	\$4,080.00	\$920.00		4695-101	DW-12
Project Operations						
2020 Tanners Alum Facility Monitoring	\$15,000.00	\$12,455.65	\$2,544.35	\$991.50	4650-101	Tal-3
Beltline Outlet and Keller Channel Operations Plans	\$30,000.00	\$0.00	\$30,000.00		4650-101	DW-9, BELT-3
Capital Improvements						
Target and Motel 6	\$289,400.00	\$271,543.14	\$17,856.86	\$11,794.15	4128-518	DW-6
Owasso County Park Stormwater Master Plan and Detailed Design: Phase 1 and Phase 2	\$20,000.00	\$1,128.00	\$18,872.00	\$394.00	4128-518	DW-6
Aldrich Arena (soils and plantings)	\$25,000.00	\$13,954.91	\$11,045.09	\$4,373.88	4128-518	DW-6, WL-1
Wakefield Park/Frost Avenue Stormwater Project	\$17,500.00	\$17,554.77	-\$54.77	\$2,257.50	4128-553	DW-6, WL-1
Commercial Sites Retrofit Projects 2020 (Targeted Retrofits) - Target/Motel 6/Boys club	\$45,000.00	\$8,934.50	\$36,065.50	\$1,575.00	4128-518	DW-6
School Sites Retrofit Projects 2020 (Targeted Retrofits)	\$45,000.00	\$6,195.86	\$38,804.14	\$2,013.36	4128-518	DW-6
Church Sites Retrofit Projects 2020 (Targeted Retrofit)	\$45,000.00	\$6,915.10	\$38,084.90	\$957.10	4128-518	DW-6
BMP Incentive Fund: Gen1 BMP Design Assistance and Review (cases where Dist is approached by landowner, or landowner is not commercial, school, church)	\$75,000.00	\$20,156.09	\$54,843.91	\$1,554.48	4682-529	DW-6
Lowering West Vadnais Lake Outlet	\$50,000.00	\$48,323.75	\$1,676.25	\$2,029.30	4128-520	DW-9
Welland Restoration (Cottage Place or other)	\$100,000.00	\$0.00	\$100,000.00		4128-529	DW-1, DW-8
Keller Channel Weir & Phalen Outlet Resiliency Modifications	\$250,000.00	\$53,972.30	\$196,027.70	\$30,767.30	4128-520	DW-9, BELT-3
Twin Lake Outlet Easement Acquisition, Permitting, Construction Plans	\$90,000.00	\$66,488.98	\$23,511.02	\$4,502.75	4128-520	DW-9
CIP Project Repair & Maintenance						
Routine CIP Inspection and Unplanned Maintenance Identification	\$75,000.00	\$12,978.11	\$62,021.89	\$1,914.74	4128-516	DW-5
Beltline 5-year Inspection	\$100,000.00	\$46,943.20	\$53,056.80	\$1,944.50	4128-516	BELT-2
2020 CIP Maintenance and Repairs	\$150,000.00	\$71,101.38	\$78,898.62	\$5,907.15	4128-516	DW-5
2021 CIP Maintenance and Repairs (planning, bidding, and project setup)	\$30,000.00	\$0.00	\$30,000.00		4128-516	DW-5

TOTAL PAYABLE FOR PERIOD 6/12/20 - 7/17/20

\$194,407.35

Barr declares under the penalties of Law that this Account, Claim, or Demand is just and that no part has been paid.

Bradley J. Lindaman, Vice President

Galowitz Olson, PLLC
10390 39th Street North
Lake Elmo, Minnesota 55042
Office: (651) 777-6960
Fax: (651) 777-8937

Ramsey-Washington Metro Watershed District
C/O Tina Carstens
2665 Noel Drive
Little Canada MN 55117

Page: 1
July 23, 2020
File No: 9M

	Balance
General Account	\$1,218.00
Twin Lakes BP Project	\$964.00
McKnight Road Development	\$650.00
	<u>\$2,832.00</u>

Permit Application Coversheet

Date August 05, 2020

Project Name Owasso Gardens

Project Number 20-26

Applicant Name Leah Stockstrom, Owasso Gardens Limited Partnership

Type of Development Residential

Property Description

This project is located on the northwest corner of Owasso Boulevard West and Rice Street in the City of Roseville. The applicant is proposing to demolish existing single family homes to construct a senior living facility with associated parking. The total site area is 2 acres. Stormwater management requirements will be met through construction of an underground infiltration system. Pretreatment will include sumped manholes.

Watershed District Policies or Standards Involved:

- | | |
|------------------------------------------------------------------|-------------------------------------------------------------------------|
| <input type="checkbox"/> <i>Wetlands</i> | <input checked="" type="checkbox"/> <i>Erosion and Sediment Control</i> |
| <input checked="" type="checkbox"/> <i>Stormwater Management</i> | <input type="checkbox"/> <i>Floodplain</i> |

Water Quantity Considerations

The proposed stormwater management plan is sufficient to handle the runoff from the site.

Water Quality Considerations

Short Term

The proposed erosion and sediment control plan is sufficient to protect downstream water resources during construction.

Long Term

The proposed stormwater management plan is sufficient to protect the long term quality of downstream water resources.

Staff Recommendation

Staff recommends approval of this permit with the special provisions.

Attachments:

- Project Location Map
- Project Grading Plan

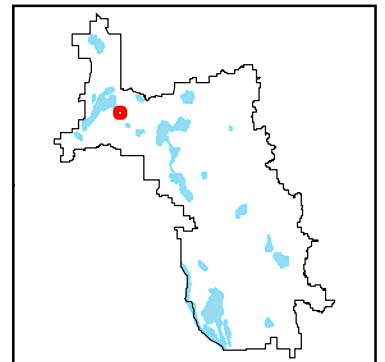
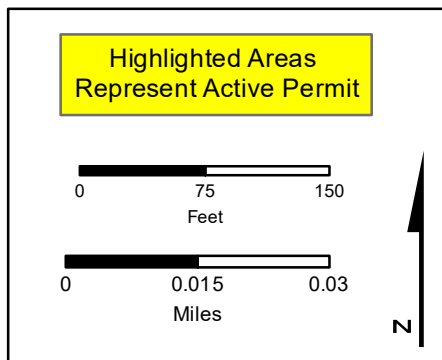
#20-26 Owasso Gardens



Wetlands

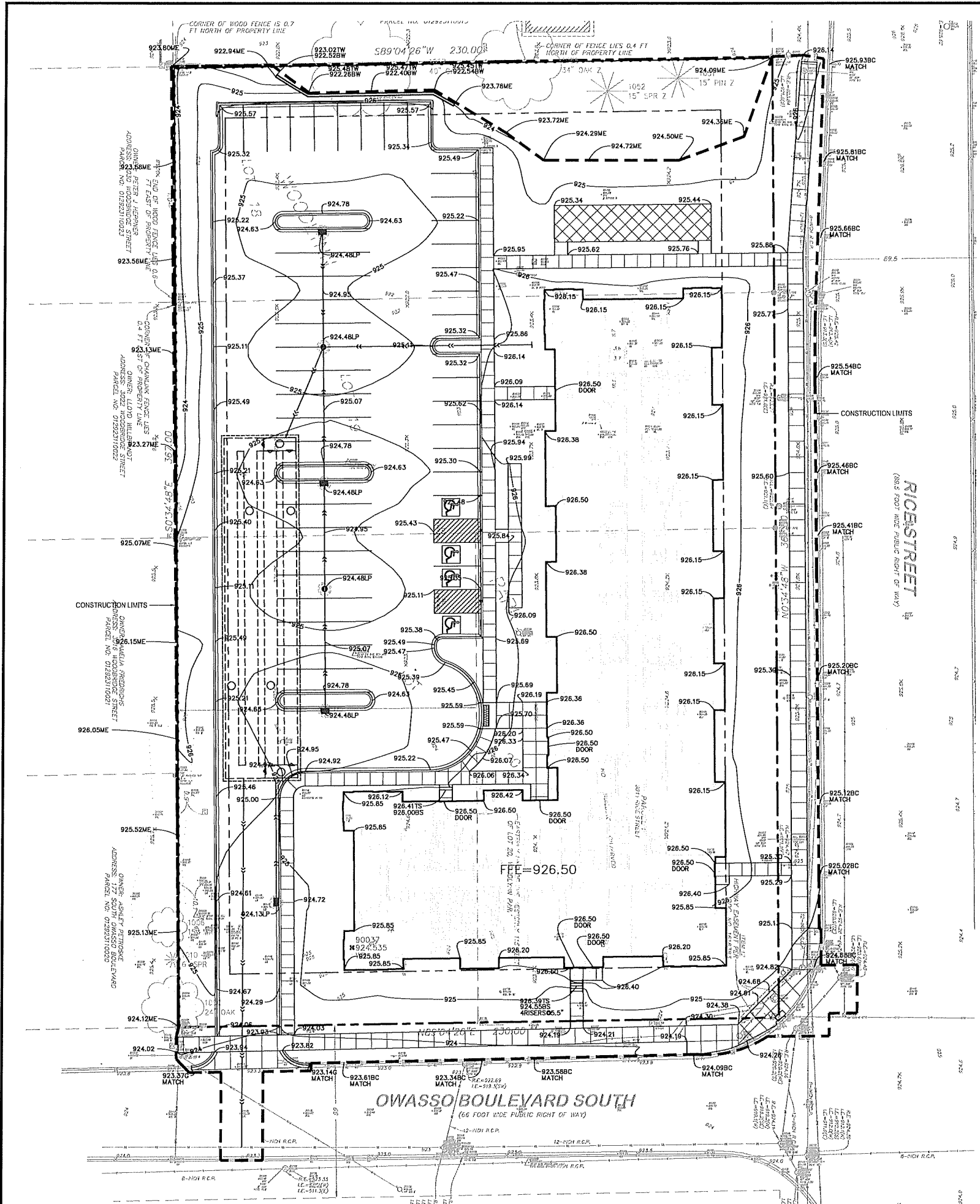
■	Manage A
■	Manage B
■	Manage C
■	Lake
■	Sediment Pond
■	Not Assessed

	RWMWD Boundary
	Flow Arrows
	Major Flow Arrows
	Subwatersheds
	Creeks
	Permits
	Ramsey Co Parcels



Special Provisions

1. The applicant shall submit the escrow fee of \$10,000.
2. The applicant shall submit the final set of signed construction plans.
3. The applicant shall submit an executed joint stormwater maintenance agreement with the City of Roseville.
4. The applicant shall submit a draft, site-specific BMP Operations & Maintenance (O&M) Plan for the proposed stormwater facilities. A final, as-built O&M Plan will be required prior to permit closure.
5. The applicant shall submit contact information for the trained erosion control coordinator responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP).
6. The applicant shall submit a copy of the approved Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.



GENERAL GRADING NOTES:

- SEE SITE PLAN FOR HORIZONTAL LAYOUT & GENERAL GRADING NOTES.
- THE CONTRACTOR SHALL COMPLETE THE SITE GRADING CONSTRUCTION (INCLUDING BUT NOT LIMITED TO SITE PREPARATION, SOIL CORRECTION, EXCAVATION, EMBANKMENT, ETC.) IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER'S SOILS ENGINEER. ALL SOIL TESTING SHALL BE COMPLETED BY THE OWNER'S SOILS ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED SOIL TESTS AND INSPECTIONS WITH THE SOILS ENGINEER.
- GRADING AND EXCAVATION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS & PERMIT REQUIREMENTS OF THE CITY.
- PROPOSED SPOT GRADES ARE FLOW-LINE FINISHED GRADE ELEVATIONS, UNLESS OTHERWISE NOTED.
- GRADES OF WALKS SHALL BE INSTALLED WITH 5% MAX. LONGITUDINAL SLOPE AND 1% MIN. AND 2% MAX. CROSS SLOPE, UNLESS OTHERWISE NOTED.
- PROPOSED SLOPES SHALL NOT EXCEED 3:1 UNLESS INDICATED OTHERWISE ON THE DRAWINGS. MAXIMUM SLOPES IN MAINTAINED AREAS IS 4:1
- PROPOSED RETAINING WALLS, FREESTANDING WALLS, OR COMBINATION OF WALL TYPES GREATER THAN 4' IN HEIGHT SHALL BE DESIGNED AND ENGINEERED BY A REGISTERED RETAINING WALL ENGINEER. DESIGN DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF GRADE STAKES THROUGHOUT THE DURATION OF CONSTRUCTION TO ESTABLISH PROPER GRADES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR A FINAL FIELD CHECK OF FINISHED GRADES ACCEPTABLE TO THE ENGINEER/LANDSCAPE ARCHITECT PRIOR TO TOPSOIL AND SODDING ACTIVITIES.
- IF EXCESS OR SHORTAGE OF SOIL MATERIAL EXISTS, THE CONTRACTOR SHALL TRANSPORT ALL EXCESS SOIL MATERIAL OFF THE SITE TO AN AREA SELECTED BY THE CONTRACTOR, OR IMPORT SUITABLE MATERIAL TO THE SITE.
- EXCAVATE TOPSOIL FROM AREAS TO BE FURTHER EXCAVATED OR REGRADED AND STOCKPILE IN AREAS DESIGNATED ON THE SITE. THE CONTRACTOR SHALL SALVAGE ENOUGH TOPSOIL FOR RESPREADING ON THE SITE AS SPECIFIED. EXCESS TOPSOIL SHALL BE PLACED IN EMBANKMENT AREAS, OUTSIDE OF BUILDING PADS, ROADWAYS AND PARKING AREAS. THE CONTRACTOR SHALL SUBCUT CUT AREAS, WHERE TURF IS TO BE ESTABLISHED, TO A DEPTH OF 6 INCHES. RESPREAD TOPSOIL IN AREAS WHERE TURF IS TO BE ESTABLISHED TO A MINIMUM DEPTH OF 6 INCHES.
- FINISHED GRADING SHALL BE COMPLETED. THE CONTRACTOR SHALL UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING, INCLUDING ADJACENT TRANSITION AREAS. PROVIDE A SMOOTH FINISHED SURFACE WITHIN SPECIFIED TOLERANCES, WITH UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN, OR BETWEEN SUCH POINTS AND EXISTING GRADES. AREAS THAT HAVE BEEN FINISH GRADED SHALL BE PROTECTED FROM SUBSEQUENT CONSTRUCTION OPERATIONS, TRAFFIC AND EROSION. REPAIR ALL AREAS THAT HAVE BECOME RUTTED BY TRAFFIC OR ERODED BY WATER OR HAS SETTLED BELOW THE CORRECT GRADE. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO EQUAL OR BETTER THAN ORIGINAL CONDITION OR TO THE REQUIREMENTS OF THE NEW WORK.
- PRIOR TO PLACEMENT OF THE AGGREGATE BASE, A TEST ROLL WILL BE REQUIRED ON THE STREET AND/OR PARKING AREA SUBGRADE. THE CONTRACTOR SHALL PROVIDE A LOADED TANDEM AXLE TRUCK WITH A GROSS WEIGHT OF 25 TONS. THE TEST ROLLING SHALL BE AT THE DIRECTION OF THE SOILS ENGINEER AND SHALL BE COMPLETED IN AREAS AS DIRECTED BY THE SOILS ENGINEER. THE SOILS ENGINEER SHALL DETERMINE WHICH SECTIONS OF THE STREET OR PARKING AREA ARE UNSTABLE. CORRECTION OF THE SUBGRADE SOILS SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOILS ENGINEER. NO TEST ROLL SHALL OCCUR WITHIN 10' OF ANY UNDERGROUND STORM RETENTION/DETENTION SYSTEMS.
- TOLERANCES
 - THE BUILDING SUBGRADE FINISHED SURFACE ELEVATION SHALL NOT VARY BY MORE THAN 0.30 FOOT ABOVE, OR 0.30 FOOT BELOW, THE PRESCRIBED ELEVATION AT ANY POINT WHERE MEASUREMENT IS MADE.
 - THE STREET OR PARKING AREA SUBGRADE FINISHED SURFACE ELEVATION SHALL NOT VARY BY MORE THAN 0.05 FOOT ABOVE, OR 0.10 FOOT BELOW, THE PRESCRIBED ELEVATION OF ANY POINT WHERE MEASUREMENT IS MADE.
 - AREAS WHICH ARE TO RECEIVE TOPSOIL SHALL BE GRADED TO WITHIN 0.30 FOOT ABOVE OR BELOW THE REQUIRED ELEVATION, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 - TOPSOIL SHALL BE GRADED TO PLUS OR MINUS 1/2 INCH OF THE SPECIFIED THICKNESS.
- MAINTENANCE
 - THE CONTRACTOR SHALL PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION, AND KEEP AREA FREE OF TRASH AND DEBRIS.
 - CONTRACTOR SHALL REPAIR AND REESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS TO SPECIFIED TOLERANCES, DURING THE CONSTRUCTION, IF REQUIRED, AND DURING THE WARRANTY PERIOD. ERODED AREAS WHERE TURF IS TO BE ESTABLISHED SHALL BE RESEDED AND MULCHED.
 - WHERE COMPLETED COMPACTED AREAS ARE DISTURBED BY SUBSEQUENT CONSTRUCTION OPERATIONS OR ADVERSE WEATHER, CONTRACTOR SHALL SCARIFY, SURFACE, RESHAPE, AND COMPACT TO REQUIRED DENSITY PRIOR TO FURTHER CONSTRUCTION.

EROSION CONTROL NOTES:

SEE SWPPP ON SHEETS SW1.0-SW1.5

CITY OF ROSEVILLE GRADING NOTES:

- NOTIFY CITY OF ROSEVILLE ENGINEERING DEPT. AT 651-792-7004, AT LEAST 24 HOURS PRIOR TO THE CONSTRUCTION OF STORMWATER BMPs.

GRADING PLAN LEGEND:

- 1125 --- EX. 1' CONTOUR ELEVATION INTERVAL
- 1137 --- 1.0' CONTOUR ELEVATION INTERVAL
- 41.26 --- SPOT GRADE ELEVATION (GUTTER/FLOW LINE UNLESS OTHERWISE NOTED)
- 891.00 G SPOT GRADE ELEVATION GUTTER
- 891.00 TC SPOT GRADE ELEVATION TOP OF CURB
- 891.00 BS/TS SPOT GRADE ELEVATION BOTTOM OF STAIRS/TOP OF STAIRS
- 891.00 ME SPOT GRADE ELEVATION MATCH EXISTING
- 69 --- GRADE BREAK - HIGH POINTS
- --- CURB AND GUTTER (T.O = TIP OUT)
- E.O.F.=1135.52 EMERGENCY OVERFLOW



1" = 20'-0"
10'-0" 0 20'-0"

CivilSite GROUP
Civil Engineering • Surveying • Landscape Architecture
4931 W. 35th Street, Suite 200
St. Louis Park, MN 55416
civilsitegroup.com 612-615-0060

kaos wilson architects

OWASSO GARDENS
165 OWASSO BOULEVARD, ROSEVILLE, MN 55113

OWASSO GARDENS LIMITED PARTNERSHIP
1080 MONTREAL AVENUE, ST. PAUL, MN 55116

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Matthew R. Pavsek
DATE 07/07/20 LICENSE NO. 44263

DATE	DESCRIPTION
07/07/20	PERMIT SET
07/14/20	WATER DESIGN SUBMITTAL
07/27/20	WATER DESIGN SUBMITTAL

DRAWN BY: KB, WB REVIEWED BY: MP
PROJECT NUMBER: 19444

DATE	DESCRIPTION

DATE	DESCRIPTION

GRADING PLAN

C3.0

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Stewardship Grant Application Summary

Project Name: Union Cemetery

Application Number: 20-35 CS

Board Meeting Date: 8/5/2020

Applicant Name: Ralph Pierre

Residential

Commercial/Government

Project Overview:

This project is located off Minnehaha Ave E and Century Ave at Union Cemetery in the City of Maplewood. The applicant is proposing to install two rain gardens. One at the northwest corner of the cemetery to road runoff which drains directly into Maplewood Nature Center land and one by the main office to capture driveway and road runoff before draining into the city stormsewer system. The applicant is planning to hire a contractor to do maintenance for at least the first two years.

This project is in a priority subwatershed and is eligible for 100% funding up to \$100,000.

BMP type(s):

Rain Garden(2)

Grant Request:

\$50,000.00

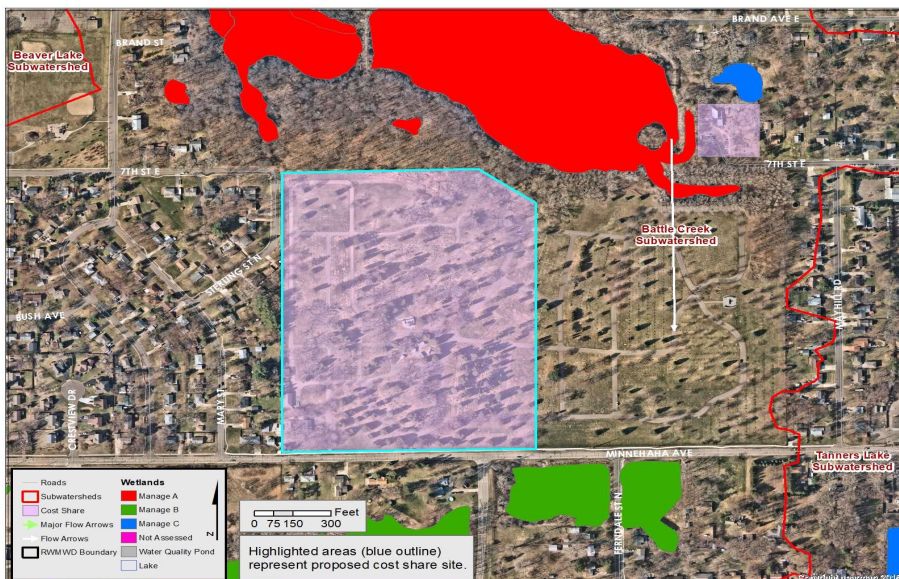
Recommendation:

Staff recommends approval of this application.

Subwatershed:

Battle Creek

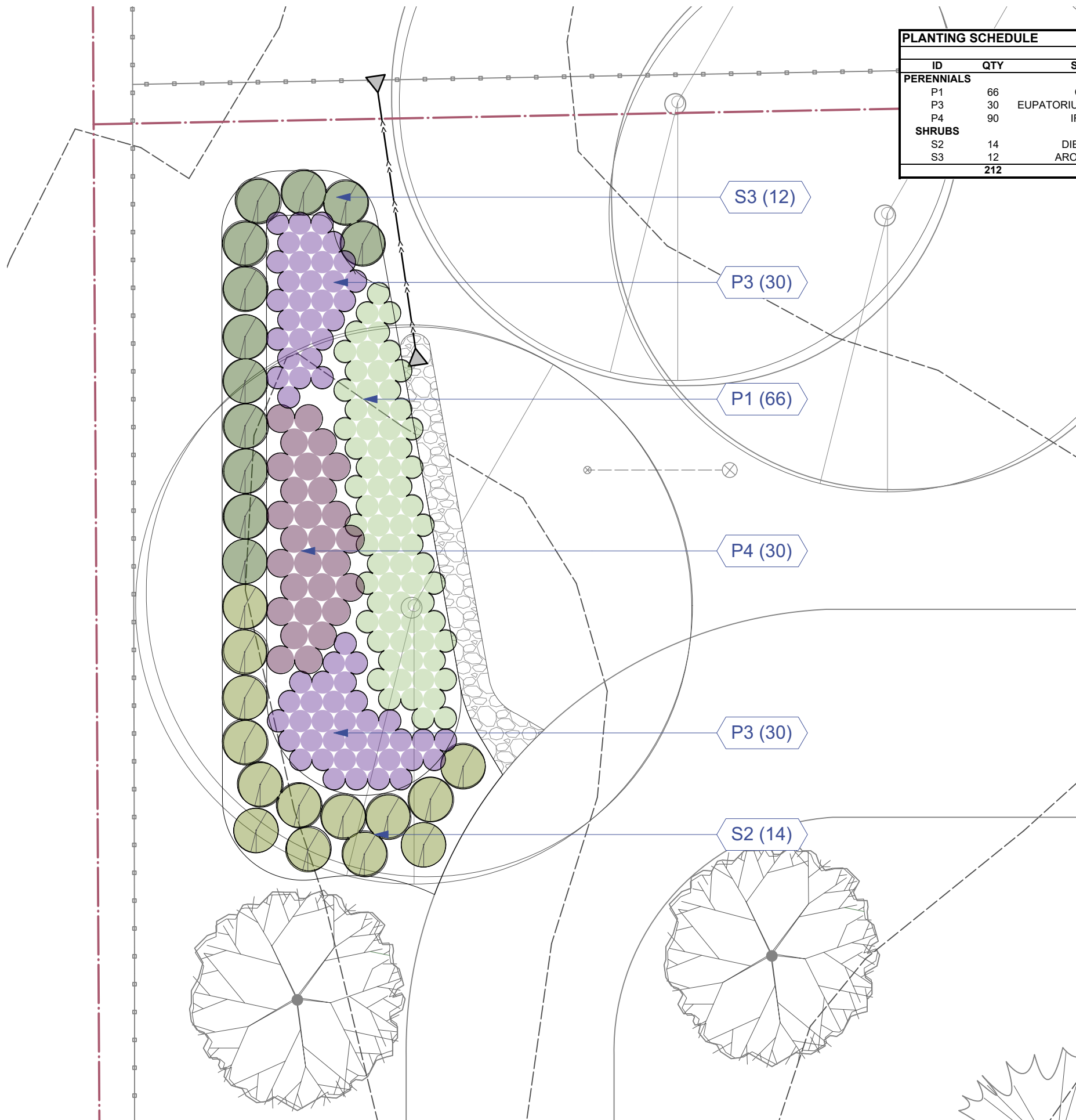
Location Maps:





ID	QTY	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING
PERENNIALS					
P1	216	CAREX STRICTA	TUSsock SEDGE	2" PLUG	24" O.C.
P2	45	CHELONE LYONII 'HOT LIPS'	HOT LIPS TURTLEHEAD	#1 CONT.	30" O.C.
P3	42	EUPATORIUM MACULATUM 'PHANTOM'	PHANTOM JOE PYE WEED	#1 CONT.	30" O.C.
P4	174	IRIS VERSICOLOR	BLUE FLAG IRIS	2" PLUG	24" O.C.
SHRUBS					
S1	19	CORNUS SERICEA 'FARROW'	ARTIC FIRE DOGWOOD	#2 CONT.	48" O.C.
S2	76	DIERVILLA LONICERA	DWARFBUSH HONESUCKLE	#2 CONT.	48" O.C.
	572	TOTAL			





ID	QTY	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING
PERENNIALS					
P1	66	CAREX STRICTA	TUSsock SEDGE	2" PLUG	24" O.C.
P3	30	EUPATORIUM MACULATUM 'PHANTOM'	PHANTOM JOE PYE WEED	#1 CONT.	30" O.C.
P4	90	IRIS VERSICOLOR	BLUE FLAG IRIS	2" PLUG	24" O.C.
SHRUBS					
S2	14	DIERVILLA LONICERA	DWARFBUSH HONESUCKLE	#2 CONT.	48" O.C.
S3	12	ARONIA MELANOCARPA	CHOKEBERRY	#2 CONT.	48" O.C.
	212	TOTAL			



Stewardship Grant Application Summary

Project Name: Van Heel

Application Number: 20-36 CS

Board Meeting Date: 8/5/2020

Applicant Name: Thomas Van Heel

Residential

Commercial/Government

Project Overview:

This project is located on a residential property off Linwood Ave E and Sterling St S in the City of Maplewood. The applicant is proposing to install a channel drain across their driveway to capture runoff in a new native planting area. The property is on a hill so not suitable for a rain garden. This practice will help filter runoff from their roof and driveway and have a benefit of increasing pollinator habitat. This project is eligible for 50% funding up to \$15,000.

BMP type(s):

Native Habitat Restoration(1)

Grant Request:

\$5,745.00

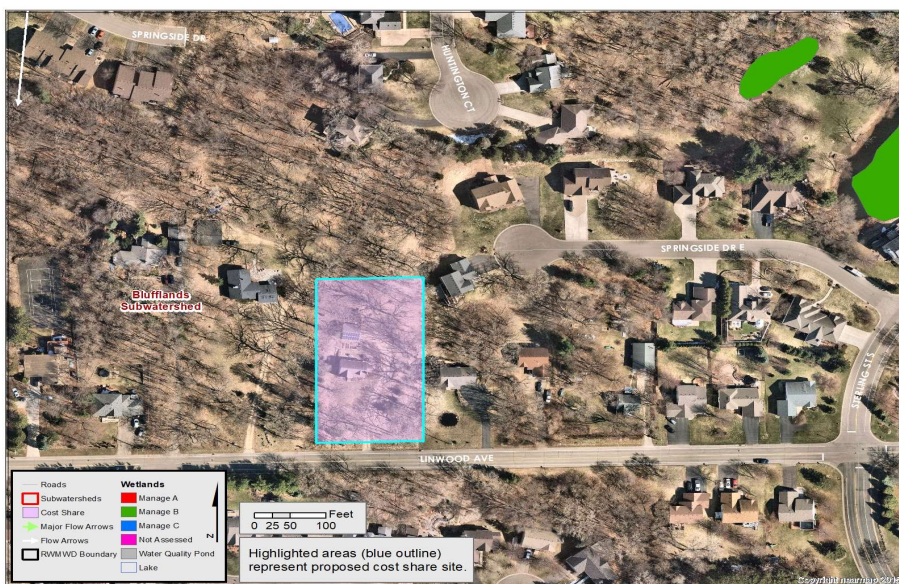
Recommendation:

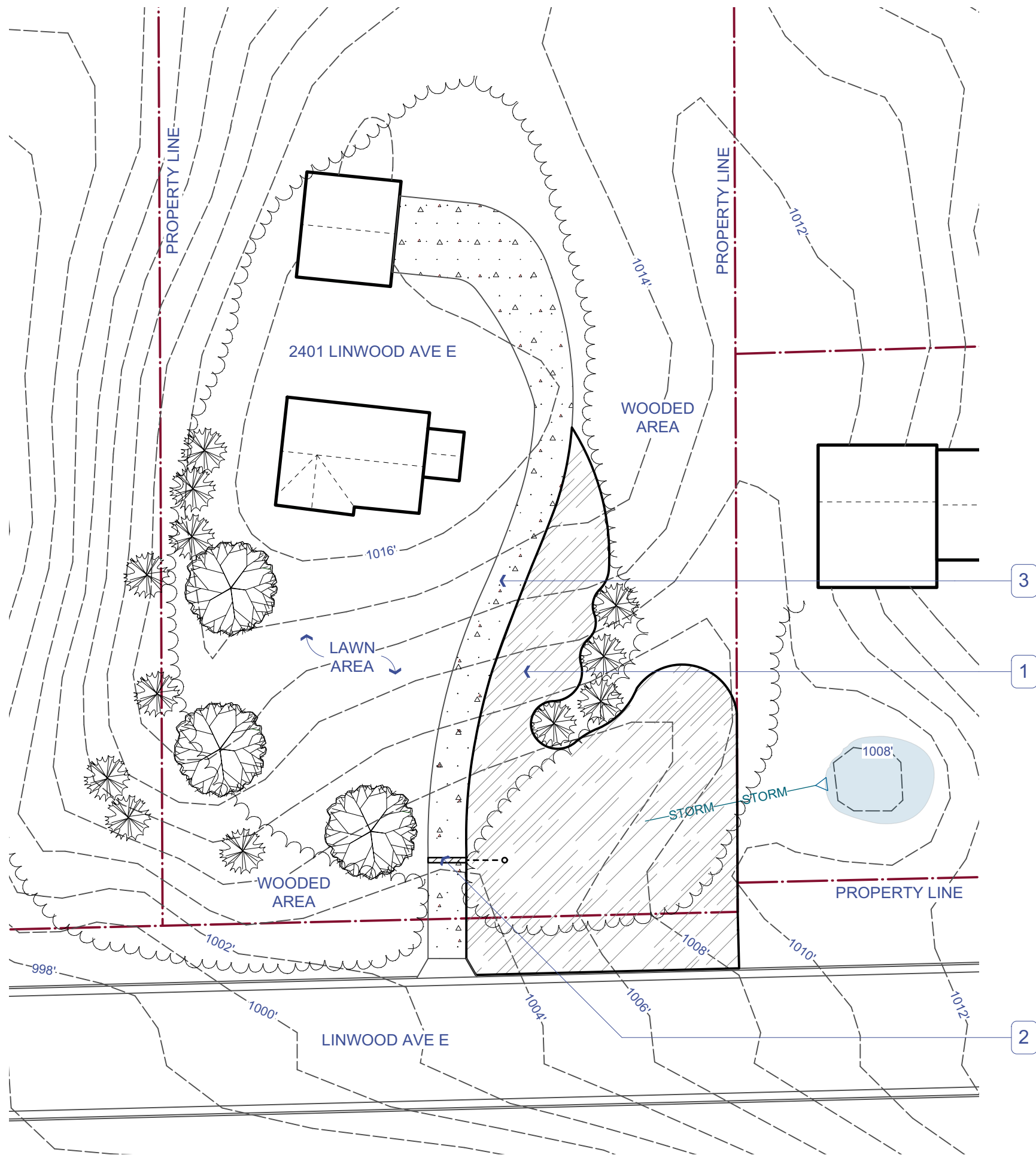
Staff recommends approval of this application.

Subwatershed:

Blufflands

Location Maps:





Watershed Data		BMP 1	
Target Rainfall	1.1	in	
Soil Type:	Sandy Loam HSG: C		
Soil IR	0.335	in/hr	
Surface	Sq-ft	Acre	CN
Roof-Indirect	1033.00	0.024	98
Driveway-Indirect	2600.00	0.060	98
Turf Lawn-Indirect	5400.00	0.124	79
Total	9,033	0.207	
% Imp	40%		

Pollutant Reductions: BMP 1				
	Before	After	Reduction	Red. %
Volume (cu-ft/yr)	11195.00	221.90	10,973	98%
TSS (lbs/yr)	38.10	1.96	36.14	95%
TP (lbs/yr)	0.1470	0.0089	0.1381	94%

LEGEND

- 1 NATIVE PLANTING AREA
BMP SIZE: +/- 6,000 SF
- 2 CHANNEL DRAIN TO RE-DIRECT
SURFACE WATER FLOW (+/- 10 LF);
TO BE INSTALLED BY DRIVEWAY
CONTRACTOR
- 3 NEW BITUMINOUS DRIVEWAY
(PROPOSED); OUTSIDE OF GRANT ELIGIBILITY

RAMSEY COUNTY
 RAMSEY COUNTY SWCD
 1425 PAUL KIRKWOLD DR
 ARDEN HILLS, MN 55112
 651-266-7274
 www.ramseycounty.us

PROJECT: VAN HEEL RESIDENCE
 LOCATION:
 2401 LINWOOD AVE E
 MAPLEWOOD, MN 55109
 WATERSHED DISTRICT:



DESIGNER: MPS
 DATE: 04/28/2020
 REVISION:
 REVISION:
 REVISION:
 REVISION:
 REVISION:
 CHECKED BY:
 TAA:

NOTES:
 POSSIBLE STORM SEWER OUTLET
 WITHIN SWALE AREA

CONTRACTOR TO LOCATE ALL UTILITIES
 PRIOR TO WORK- UTILITIES WITHIN OR
 NEAR CONSTRUCTION AREA SHALL BE
 POTHOLED

CONTRACTOR MUST ACQUIRE ALL
 NECESSARY PERMITS

ORIGINAL SHEET SIZE: 11" x 17"

SCALE: 1"=30'0"

SITE PLAN



L100

Stewardship Grant Application Summary

Project Name: Kohlman Chain LVMP Phase 2

Application Number: 20-37 CS

Board Meeting Date: 8/5/2020

Applicant Name: John James

Residential **Commercial/Government**

Project Overview:

As part of the 2018 Stewardship Grant Program, RWMWD offered 50% cost share funding up to \$15,000 for materials and labor associated with harvesting aquatic plants. Part of the eligible expenses is the cost associated with developing a Lake Vegetation Management Plan. The applicant will be contracting with Limnopro to conduct additional plant surveys to finalize the LVMP for Kohlman, Gervais, Spoon, and Keller Lakes. Upon completion of the final LVMP, the plan will be reviewed to determine if plant harvesting will benefit water quality of these lakes.

BMP type(s):

Aquatic Vegetation Harvesting(1)

Grant Request:

\$10,000.00

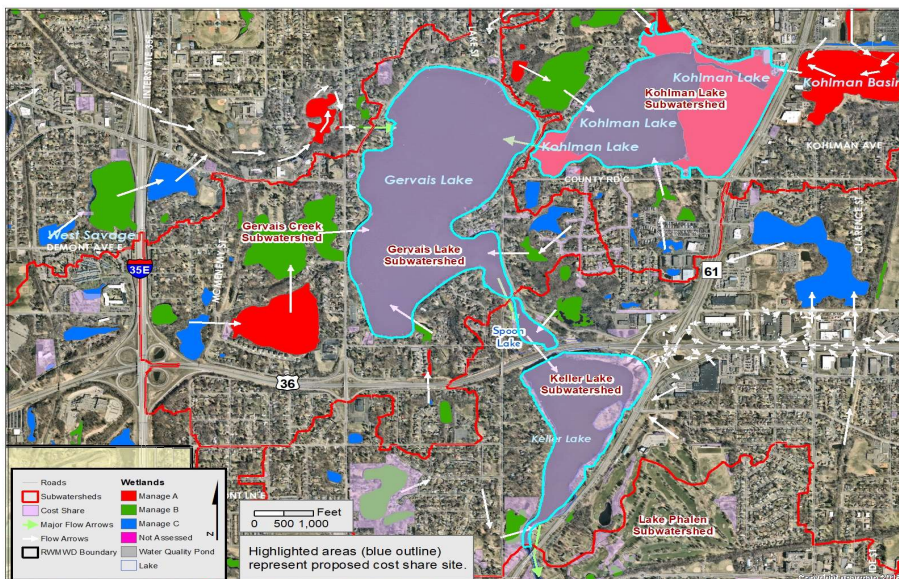
Recommendation:

Staff recommends approval of this application.

Subwatershed:

Gervais Lake, Keller Lake, Kohlman Lake

Location Maps:



Stewardship Grant Application Summary

Project Name: Schmidt

Application Number: 20-38 CS

Board Meeting Date: 8/5/2020

Applicant Name: Matthew Schmidt

Residential

Commercial/Government

Project Overview:

This is a residential project located off Woodpark Blvd and Evergreen Dr just south of Tamarack Nature Preserve. The applicant is proposing to install a rain garden to capture runoff from their property as well as adjacent properties. This project will help alleviate standing water issues they have had on their property as well as filter stormwater runoff before it enters Tamarack Nature Preserve.

This project is eligible for 75% funding up to \$15,000.

BMP type(s):

Rain Garden(1)

Grant Request:

\$8,775.00

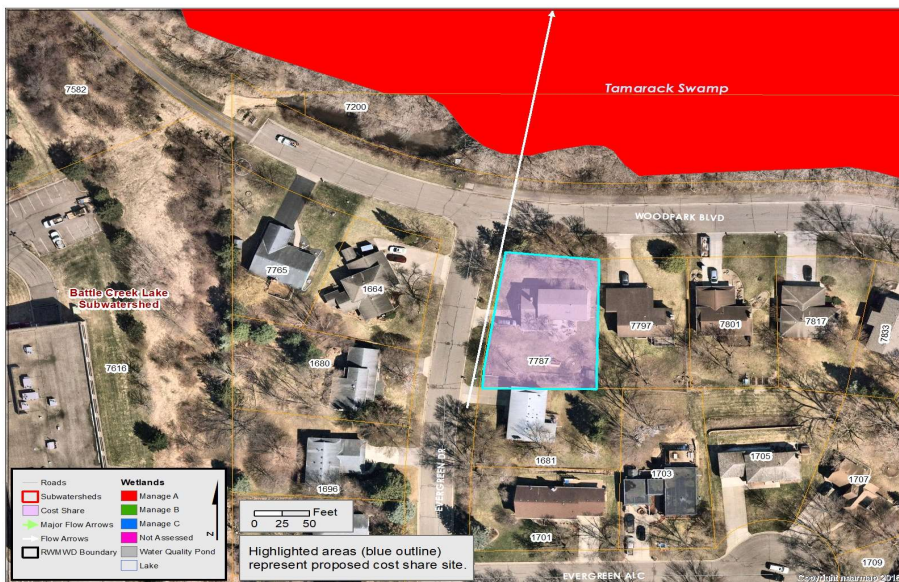
Recommendation:

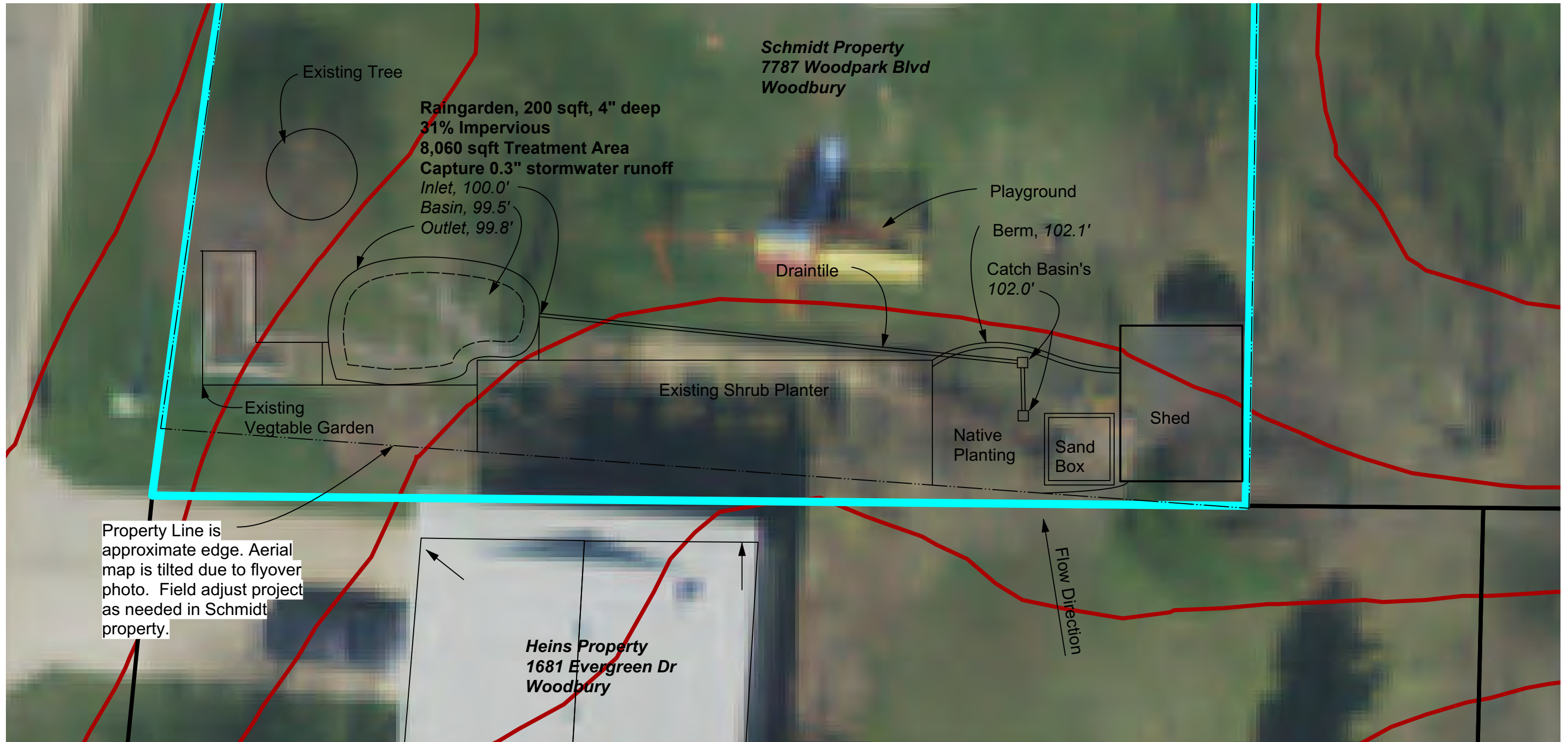
Staff recommends approval of this application.

Subwatershed:

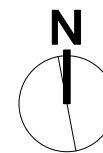
Battle Creek Lake

Location Maps:





1 Grading
Scale: 1" = 10'-0"



Notes:
Raingarden section detail on Sht 3.
Field adjust placement as needed.
Elevations are relative and do not reflect known datum.
Call Gopher State One before any digging.

plan created by:



Washington
Conservation District

455 Hayward Ave N
Oakdale, MN 55128
(651) 330-8220
www.mnwcd.org



2665 Noel Drive - Little Canada, MN 55117
(651) 792-7950 www.rwmwd.org

Project Address
7787 Woodpark Blvd
Woodbury, MN

Project Manager
BMP Designer
Washington Conservation District

Project Title
Schmidt Raingarden

Sheet Title
Grading Plan

CAD File Name ConceptLvw	Revision
Drawn By	Reviewed By
Date 12/18/19	

Scale
Sheet No.

Sht-1
of
3

Consent Agenda Action Item

Board Meeting Date: August 5, 2020

Agenda Item No: 3E

Preparer: Tina Carstens, Administrator

Item Description: Change Order No. 3 for the 2020 CIP Maintenance & Repair Project

Background:

Attached is change order number 3 for the 2020 CIP Maintenance and Repair Project.

This change order would extend the contract time to account for delays in the manufacturer's fabrication of the weir gate. After Fitzgerald receives the change order and installs the weir gate, the project will be complete and closed out. The new substantial completion date is September 30, 2020 with final completion one week later. There is no change in the contract price associated with this change order.

Applicable District Goal and Action Item:

Goal: Manage risk of flooding: The District will reduce the public's risk to life and property from flooding through programs and projects that protect public safety and economic well-being.

Action Items: Maintain District flood storage facilities and storm sewer systems.

Staff Recommendation:

Approve Change Order No. 3.

Financial Implications:

There are no changes in the contract price associated with this change order.

Board Action Requested:

Approve Change Order No. 3.

Change Order No. 3
Ramsey-Washington Metro Watershed District
Capital Improvement Project Maintenance/Repair 2020

DATE OF ISSUANCE: July 29, 2020

Owner: Ramsey-Washington Metro Watershed District
2665 Noel Drive
Little Canada, MN 55117
Attn: Marj Ebensteiner

Contractor: Fitzgerald Excavating & Trucking, Inc.
21432 350th St.
Goodhue, MN 55027
Attn: Jason Fitzgerald

Engineer: Barr Engineering Company
4300 MarketPointe Drive, Suite 200
Minneapolis, MN 55435
Attn: Brad Lindaman

C.O.3.A Contract Completion Extension

Description of Change:

The contractor was unable to provide the weir gate assembly for the West Vadnais Lake outlet in a timely manner. Once received, the contractor will install the weir gate, all complete as specified and fulfill remaining obligations to finish the work. The Owner's representative is requesting additional time to allow the contractor to execute the proposed work, in a timely manner.

Measurement and Payment:

None

Change in Contract Time:

Substantial completion date will be changed to September 30, 2020 with final completion one week later.

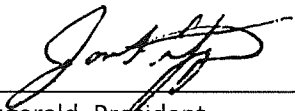
Total Impact on Contract Price:

None

This Change Order No. 3 is:

Submitted By:  Date: July 29, 2020
(ENGINEER) Bradley J. Lindaman, Project Engineer
Barr Engineering Company

Authorized By: _____ Date: _____
(OWNER) Marj Ebensteiner, President
Ramsey-Washington Metro Watershed District

Approved By:  Date: 7/29/2020
(CONTRACTOR) Jason Fitzgerald, President
Fitzgerald Excavating & Trucking, Inc.

Attachments:
Fitzgerald request letter dated July 24, 2020

Fitzgerald Excavating & Trucking Inc.

21432 350th Street

Goodhue, MN 55027

Office: 651-923-4060 Fax: 651-923-4080

Request for contract extension

7/24/20

We wish to request an extension on the completion date for the W Vadnais Lake Storm Modifications project. The reason for our request is due to the timing/availability of the weir gate components. The weir gate is currently in production and is scheduled to ship from the manufacturer at the end of August, at which point we will then be able to install it and complete the project. As such, we would like to request that the substantial completion date be moved to September 30 with final completion to be one week later.

Thank you,

Fitzgerald Excavating & Trucking Inc

* * * * *

Permit Program

* * * * *

Permit Application Coversheet

Date August 05, 2020

Project Name Pigs Eye Lake Islands

Project Number 20-27

Applicant Name Scott Yonke, Ramsey County Parks & Recreation

Type of Development Park/Green Space

Property Description

This project is located within Pigs Eye Lake in the backwaters of the Mississippi River in the City of St. Paul. The applicant is proposing to place dredged material from the river and borrowed sand to construct islands for habitat creation and mitigation of wave erosion in the lake. The proposed project triggers District Rules D (Flood Control) and F (Erosion and Sediment Control). The fill proposed is located within the 100-year floodplain, and the applicant is requesting a variance from the compensatory storage requirement. Due to the project's location in an ineffective flow area of the river, the proposed fill will not result in adverse impacts to the 100-year water surface elevation nor overall floodplain storage. The Army Corps of Engineers has been involved with the project design and modeling.

Watershed District Policies or Standards Involved:

- | | |
|-------------------------------------------------------|-------------------------------------------------------------------------|
| <input type="checkbox"/> <i>Wetlands</i> | <input checked="" type="checkbox"/> <i>Erosion and Sediment Control</i> |
| <input type="checkbox"/> <i>Stormwater Management</i> | <input checked="" type="checkbox"/> <i>Floodplain</i> |

Water Quantity Considerations

The proposed fill results in no adverse floodplain impacts.

Water Quality Considerations

Short Term

The proposed erosion and sediment control plan is sufficient to protect downstream water resources during construction.

Long Term

There are no long term water quality considerations.

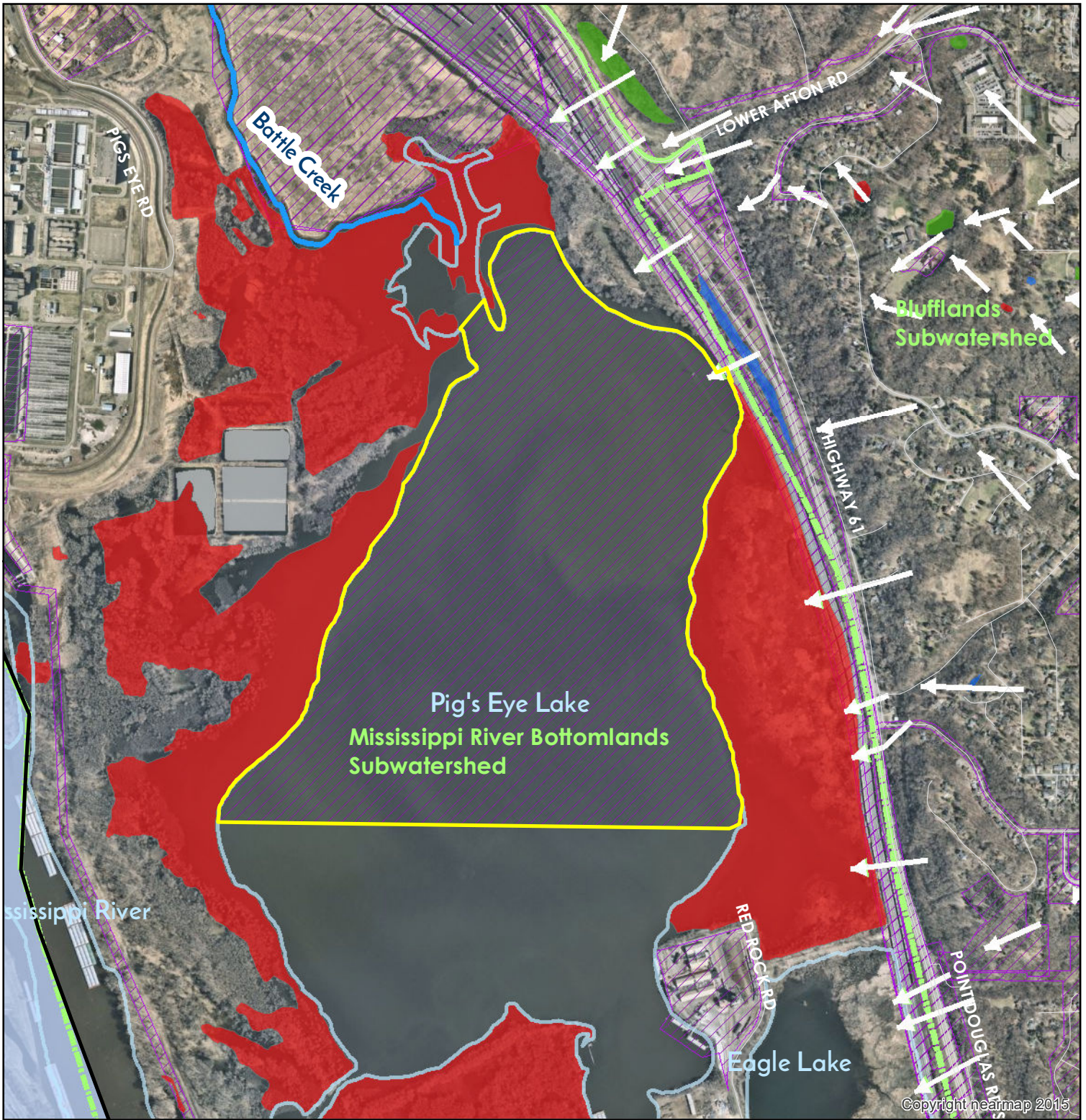
Staff Recommendation

Staff recommends approval of this permit with the special provisions and variance request (Rule D).

Attachments:

- Project Location Map
- Project Grading Plan

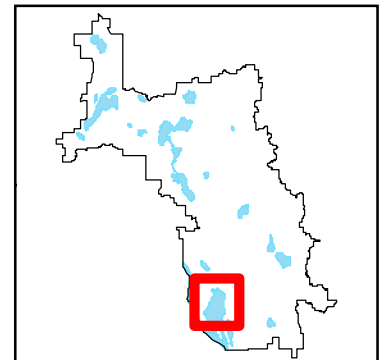
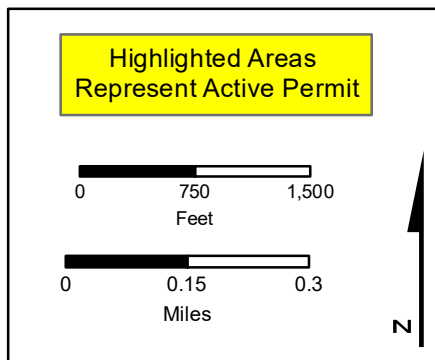
#20-27 Pigs Eye Lake Islands



Note: Shaded area is outside RWMWD

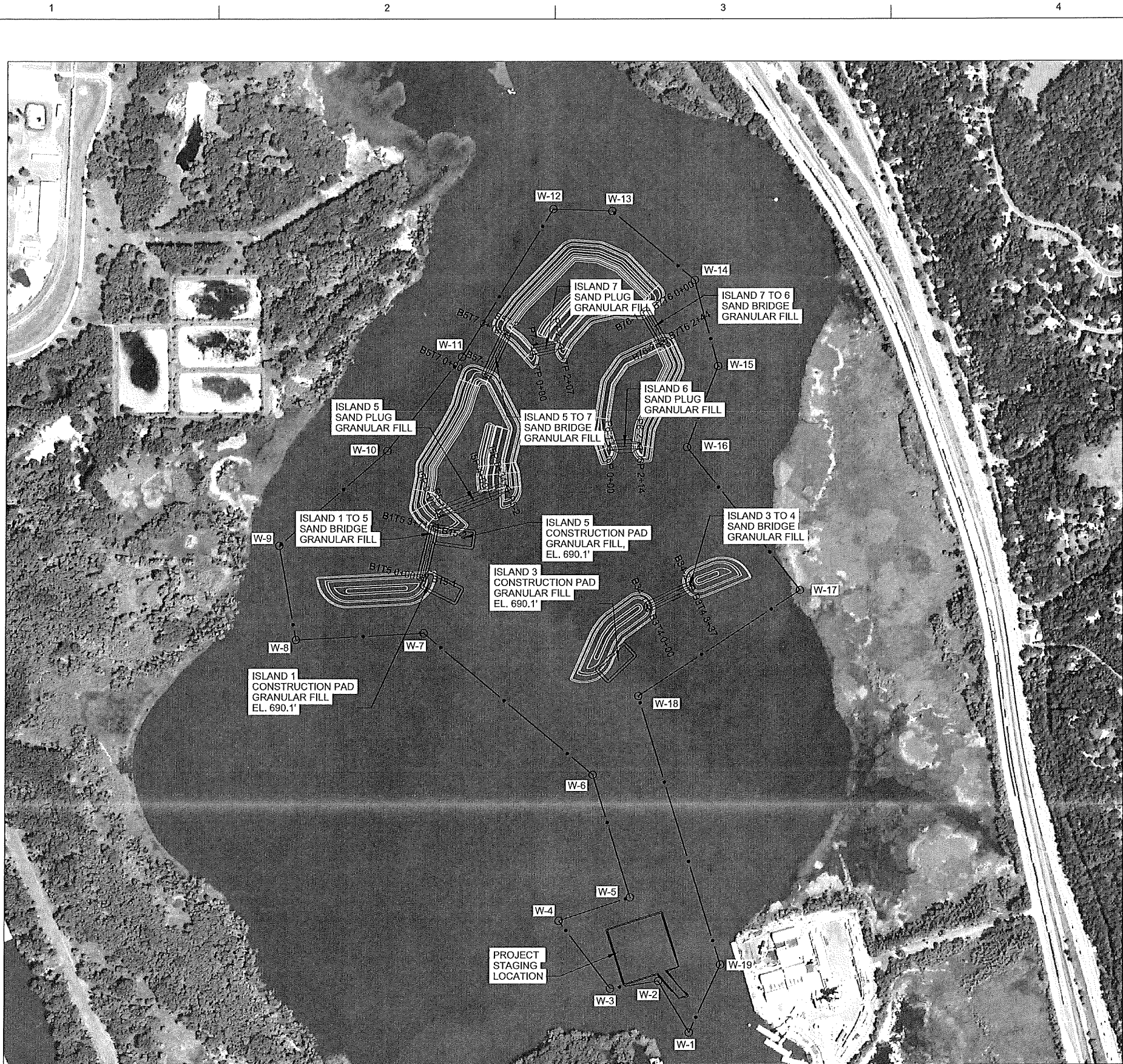
Wetlands	
■	Manage A
■	Manage B
■	Manage C
	Lake
	Sediment Pond
	Not Assessed

	RWMWD Boundary
	Flow Arrows
➔	Major Flow Arrows
	Subwatersheds
	Creeks
	Permits



Special Provisions

1. The applicant shall submit a site-specific Stormwater Pollution Prevention Plan (SWPPP) that includes an erosion control plan with legend and construction details.
2. The applicant shall submit contact information for the trained erosion control coordinator responsible for implementing the SWPPP.
3. The applicant shall add notes to the SWPPP and/or plans set:
 - A. Notify Nicole Soderholm, Ramsey-Washington Metro Watershed District, at 651-792-7976 prior to beginning construction activity in order to schedule an initial SWPPP inspection.
 - B. The specified erosion and sediment practices are the minimum. Additional practices may be required during the course of construction.
4. The applicant shall submit the final set of signed construction plans.
5. The applicant shall submit a copy of the Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.



CIVIL NOTES: THIS SHEET ONLY

- 1. SAND CONSTRUCTION PADS, BRIDGES, AND PLUGS SHALL BE REMOVED AFTER CONSTRUCTION OF THE ISLAND HAS FINISHED.
- 2. USE OF CONSTRUCTION PADS IS AT THE OPTION OF THE CONTRACTOR.



MARK	DESCRIPTION	DATE	APPR. MARK	DATE	APPR.

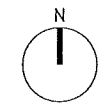
DESIGNED BY: U.S. ARMY CORPS OF ENGINEERS	DATE: 5/23/2008	SUBMITTED BY: T. SULLY	SOLICITATION NO.:
DESIGNED BY: T. SULLY	DATE: 5/23/2008	CONTRACT NO.:	CONTRACT NO.:
DESIGNED BY: T. SULLY	DATE: 5/23/2008	FILE NUMBER:	FILE NUMBER:
DESIGNED BY: T. SULLY	DATE: 5/23/2008	FILE NAME:	FILE NAME:

PIGS EYE ISLANDS
MISSISSIPPI RIVER
LOCKS & DAMS - POOL 2
ST. PAUL, MN
CONSTRUCTION FEATURES
PLAN

Sheet ID
C-101

A1 CONSTRUCTION FEATUERS GENERAL PLAN
SCALE: 1" = 400'

ELEVATION DATUM (VERTICAL CONTROL):
NAVD 88
GEOD12B
COORDINATE SYSTEM (HORIZONTAL CONTROL):
NAD 83 (2011)
MN SPCS, SOUTH ZONE U.S. SURVEY FT.
COMBINED FACTOR (CF): 0.999919018





DEPARTMENT OF THE ARMY
ST. PAUL DISTRICT, CORPS OF ENGINEERS
180 FIFTH STREET EAST, SUITE 700
ST. PAUL, MN 55101-1678

July 24, 2020

REPLY TO
ATTENTION OF

Regional Planning and Environment Division North

Ms. Nicole Soderholm
Permit Coordinator
Ramsey-Washington Metro Watershed District
2665 Noel Drive
Little Canada, MN 55117

Ms. Soderholm,

The Corps of Engineers is applying on behalf of the landowner, Ramsey County, for a District permit for Rules F (Erosion and Sediment Control) and a variance for Rule D (Flood control) for the Pigs Eye Lake Ecosystem Restoration Project. The site is owned by Ramsey County and managed by the Parks and Recreation Department. The landowner/project sponsor contact is Scott Yonke, Planning and development Director (scott.yonke@co.ramsey.mn.us).

The purpose of the project is to restore habitat in Pigs Eye Lake. The habitat concerns within the project area include high levels of turbidity, wind-induced shoreline erosion, lack of depth diversity, and lack of shoreline habitat for birds and aquatic plants. The objectives of the project are to:

1. *Improve aquatic habitat* – Create habitat diversity in Pigs Eye Lake. Increase acreage of aquatic vegetation. Incorporate structural habitat features to promote fisheries.
2. *Improve the quantity and quality of habitat for migratory bird species* – Create suitable habitat for migratory birds such as dabbling ducks within Pigs Eye Lake.
3. *Maintain or enhance the quantity of shoreline habitat* – Protect existing floodplain forest and marsh habitat along the shoreline of Pigs Eye Lake from wind and wave erosion.

The project will restore backwater habitat by creating islands with sand benches. The islands will break up wind-caused waves, reducing erosion and suspended sediment. The reduced sediment suspension will allow aquatic vegetation to establish in the lake. The reduction of waves will reduce shoreline erosion around the lake. The islands will also provide more sheltered areas for migratory birds.

Rule F – Erosion and Sediment Control (Permit Request)

It is anticipated that there will be approximately 50 acres of disturbance. All will take place within the water. There will be 405,300 cubic yards (cy) of fill. The project will require a Minnesota Construction Stormwater General Permit coverage and a MPCA Storm Water

Pollution Protection Plan (SWPPP). The project specifications require the contractor to prepare a SWPP and erosion control plan, which will be submitted to the District for review.

The shorelines of the proposed project have been designed to address erosion. Groins and covered groins have been added to constrain erosion on the islands. The islands have been designed with portions (outer berms) that are expected to erode to provide sand to build a stabilizing beach zone along the islands. Wind fetches are generally less than 0.5 miles where little erosion control is necessary. The groins are included for increased stability. More details are available within the Design Documentation Report.

The fine sediment that may be dredged in access channels would be placed in the interior areas of Islands 5 and 7. Sand barriers would be temporarily constructed to prevent this material from mixing with the rest of the lake during placement.

Rule D – Flood Control: Variance Request

The project is located within the 100 year floodplain, but it within an ineffective flow area. The project is completely within the ineffective flow area of the current HEC-RAS model. Small portions cross the mapped floodway boundary but because they are within the ineffective flow area they do not affect the regulatory 1 Percent Annual Exceeded (~100 Year) flood stage.

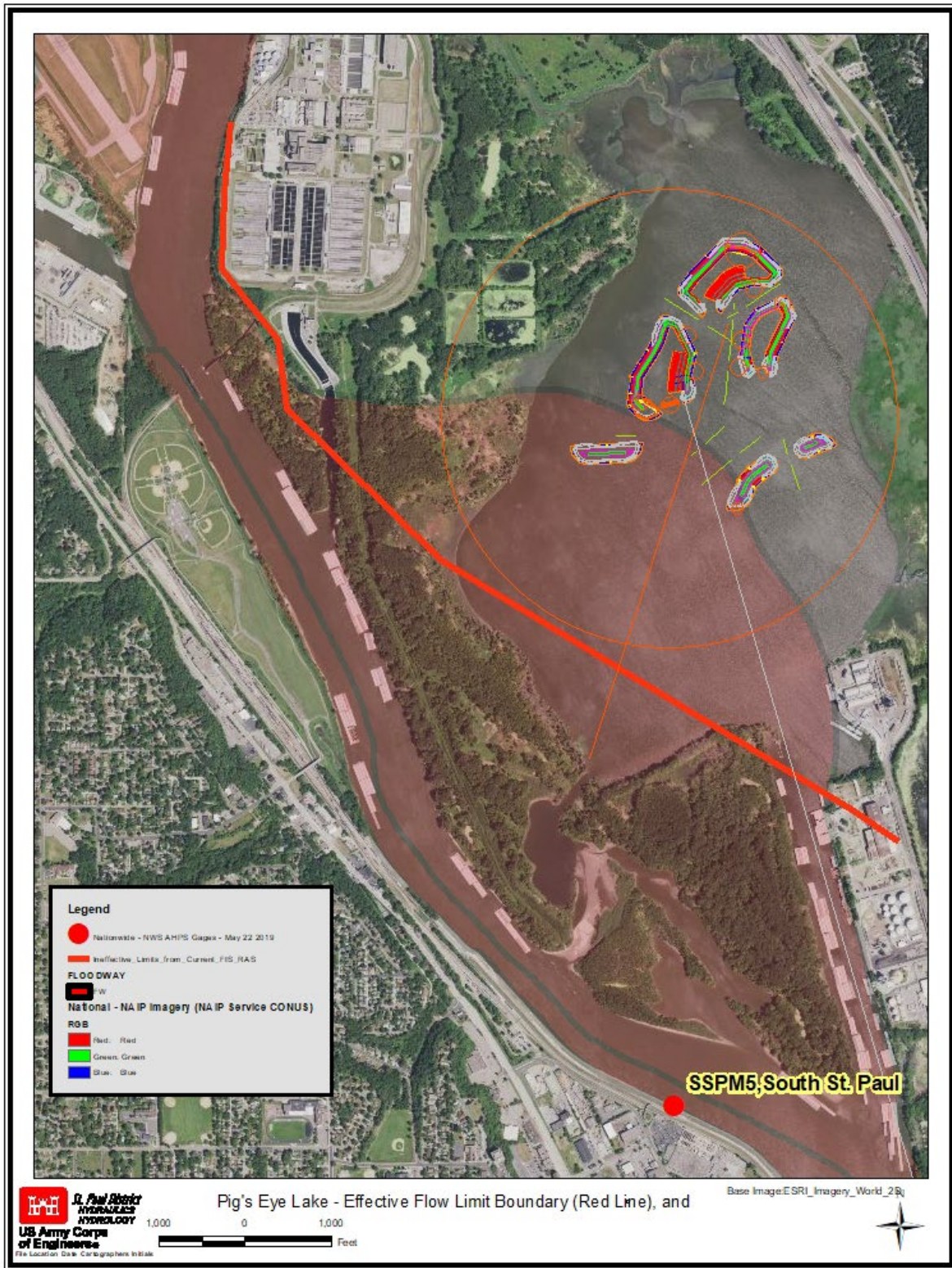
All of the material used for construction of islands will come from new dredging or stockpiled dredged material taken from Pool 2 of the Mississippi River. Granular borrow will come from Pine Bend and Lower Boulanger. Fine borrow will come from Upper Boulanger. Fine material from access dredging the staging location at the lower end of Pigs Eye Lake will be placed at Pine Bend. These locations are shown in the attached file “Pool 2 DMMP – Lower Pool Map”. The variance is requested because there will not be a net volume loss to the Mississippi River.

Watershed District rules require compensatory storage be provided with any fill placed in the 100-year floodplain. Our modeling indicates that constructing the proposed project will have no impact to the 100 year flood. Brandon Barnes reviewed our model and concurred with the results.

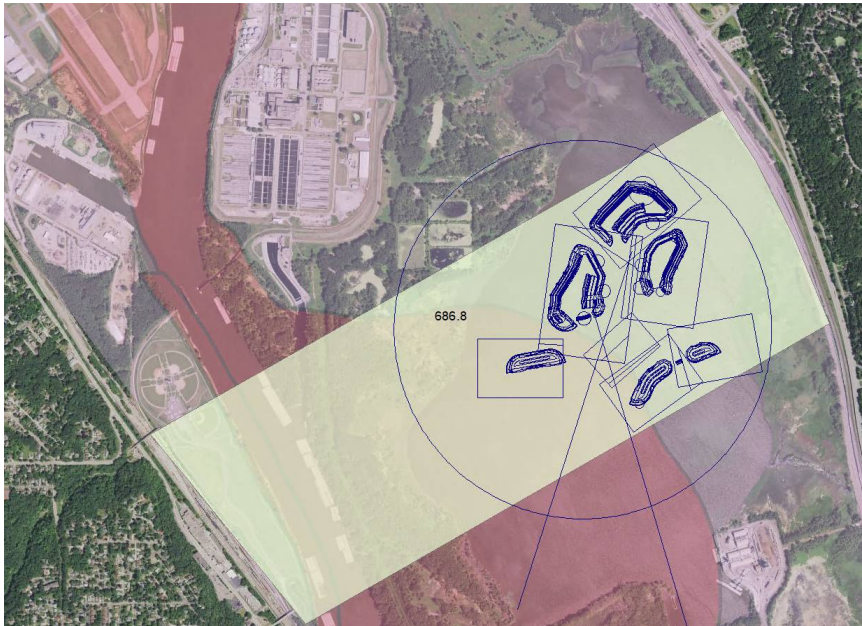
The table below compares the existing condition with water surface elevation after project construction. There is no change to water surface elevation when the project is included in the model.

		Base Model	Pig's Eye Lake Project Conditions
River Station	1 Percent Annual Chance Exceeded - Discharge (cfs)	Water Surface Elevation (NAVD88) (ft)	Water Surface Elevation (NAVD88) (ft)
87	175,000	707.87	707.87
86	175,000	707.63	707.63
85	175,000	707.36	707.36
84	175,000	707.19	707.19
83	175,000	707.23	707.23
82	175,000	706.98	706.98
81	175,000	706.91	706.91
79.4	175,000	706.88	706.88
79.1	175,000	706.5	706.5
79	175,000	706.25	706.25
78	175,000	706.09	706.09
77	175,000	706.04	706.04
76	175,000	705.94	705.94
75	175,000	705.93	705.93
74	175,000	705.84	705.84
73	175,000	705.79	705.79
72	175,000	705.79	705.79
71	175,000	705.8	705.8
70	175,000	705.75	705.75
69	175,000	705.64	705.64
68	175,000	705.5	705.5
67	175,000	705.5	705.5

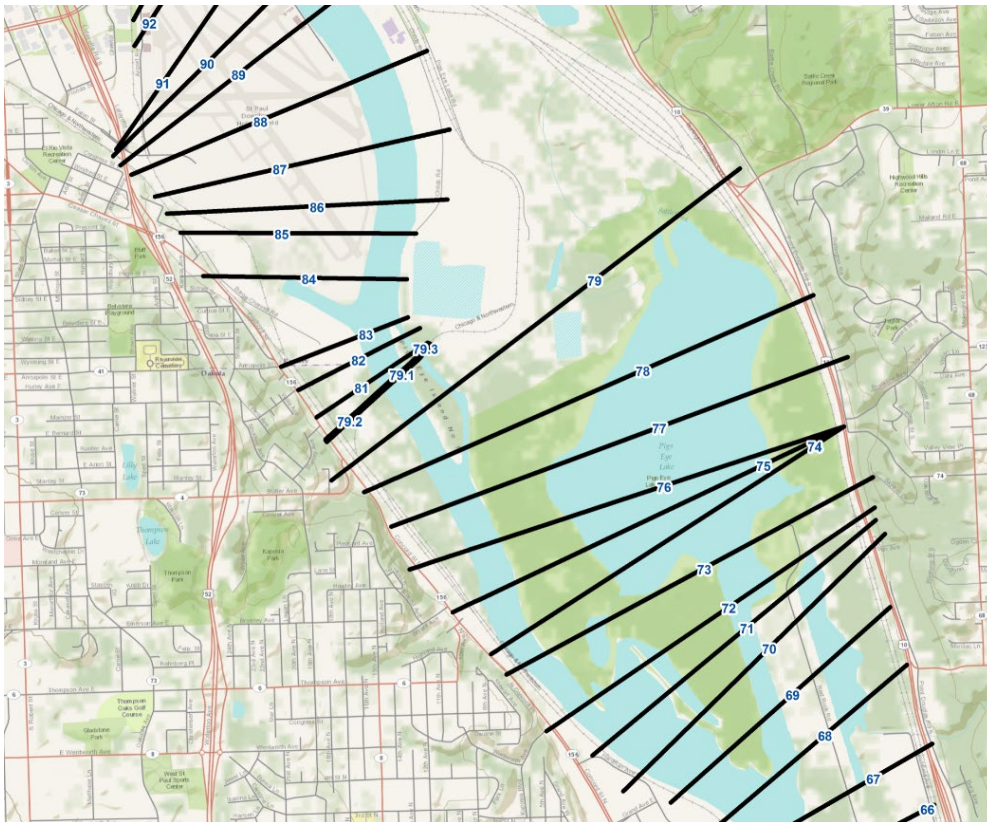
The figure below shows the ineffective flow area.



The image below shows the area used to calculate a mean depth of sediment placed across the floodplain. With this area (684 acres), we get a mean depth of placed sediment of 0.37 feet.



Cross sections 77 and 78 were modified by adding an 'obstructed areas' to represent the island complex. These obstructed areas fall within the ineffective flow area of the cross sections.



Alternatives Considered:

In our NEPA process, we evaluated several alternatives including the No Action Alternative, as required by federal law. The proposed alternative was selected because it was the most cost-effective option for improving habitat and meeting project objectives.

1. No Action

The No Action Alternative is required by federal law. This alternative would not meet the project objectives of improving habitat.

2. Other Alternatives

Five other habitat restoration alternatives were considered. For the detailed cost-benefit analysis, please see the Pigs Eye Feasibility Report and Environmental Assessment. The habitat benefits for each alternative were weighed against the cost of the alternative to identify the alternative with the highest return on investment.

No Impact to 100 Year Flooding Elevation:

To demonstrate that the proposed fill has no impact on the 100-year flooding elevation at this site or upstream, hydraulic modeling was conducted using the current HEC-RAS model developed by the Corps of Engineers for this stretch of the Mississippi River. FEMA has determined that while this project area does flood during the 100-year event, it is not used for conveyance of floodwater. The fill proposed by the project will have no impact on flood elevations, as demonstrated in the model.

Based on our analysis we believe that a variance from the District's floodplain rule will have no adverse impact on flooding along the Mississippi River.

Rule E – Wetland Management:

This project would have no negative impacts on wetlands, would have substantial beneficial effects to wetlands both by preserving existing wetlands and by creating additional wetlands. An estimated 111 acres of habitat around the perimeter of Pigs Eye Lake has eroded over the last 64 years, most of which was wetland. Erosion that would be expected to continue in the absence of a project threatens an estimated 37.5 acres of additional shoreline habitat over the next 50 years. The proposed project would provide protection for some of this terrestrial habitat by reducing wind-generated waves within the lake. The proposed project would also create an estimated 33.9 acres of additional wetland habitat. This would include approximately 16.3 acres of bottomland forest and/or wet prairie and approximately 17.6 acres of marsh. Other areas within the island complex or newly-protected shoreline areas may revegetate over time as well.

Please contact Megan McGuire at 651-724-7503 if you need any further information or have any questions.

Sincerely,

For: Jonathan J. Sobiech
Deputy Chief, Regional Planning and
Environment Division North

Enclosures:
Pool 2 DMMP Site Map (Borrow Locations)



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, ST. PAUL DISTRICT
180 FIFTH STREET EAST, SUITE 700
ST. PAUL, MN 55101-1678

Engineering & Construction - Hydraulics

AUG 16 2019

Suzanne Jiwani
Minnesota Department of Natural Resources
500 Lafayette Road
St. Paul, Minnesota 55155-4032

Dear Ms. Jiwani:

This letter provides the flood stage impact analysis findings for the proposed project on the Mississippi River in Saint Paul Minnesota. The project extends from river mile 834 to river mile 836 on the Mississippi River.

The project consists of constructing new islands within Pig's Eye Lake. The islands were laid out to avoid the effective flow limit boundary which is the Minnesota Department of Natural Resources' primary focus for preventing flood stage impacts. The islands were also placed using deference to the mapped floodway.

No islands encroach on the effective limits of the HEC-RAS model. Two islands fall within the mapped floodway boundary but are within the ineffective flow area. These islands (the south western islands in the figure) were aligned roughly parallel to the mapped floodway boundary. This was to make them parallel to any flowlines through this region. This will insure that the project will have no impact on water elevations in the region. All of these issues have been coordinated with the Minnesota Department of Natural Resources Division of Waters personnel.

The technical data was submitted previously in the "Pig's Eye Lake Ramsey County, MN Section 204, Feasibility Study Report with Integrated Environmental Assessment" (May 2018) and in particular Appendix G (Hydrology and Hydraulics) supports the fact that the proposed project will not adversely impact the 100-year flood elevations on the Mississippi River. The National Flood Insurance Studies for Ramsey, and Dakota Counties in Minnesota, and the cities within, will not be impacted. The project will have no effect on the water surface elevation for the 1 Percent Annual Chance Exceedance (ACE) discharge.

If you have any questions or comments regarding this finding, please contact Mr. Scott Goodfellow, Senior Hydraulic Engineer at (651) 290-5635.

Sincerely,

A handwritten signature in black ink, appearing to read "Corby Lewis", is positioned above the typed name.

Corby Lewis
Acting Chief, Hydraulics Section
St. Paul District



MEMORANDUM

Date: August 5, 2020
To: RWMWD Board of Managers
From: Nicole Soderholm, Permit Coordinator
Subject: Single Lot Residential Permit Adjustments

Staff have seen an increase in projects triggering District Rule D for floodplain alteration. Many proposed projects have come from lakeshore owners responding to changes to their shoreline as a result of high water levels.

Permitting staff have been asked to look at possible permit processing adjustments that could be made to better accommodate these single-lot residential project requests.

The existing rules prohibit floodplain fill without compensatory storage. While a change in the regulation is not proposed, staff would like the Board to consider the following implementation adjustments, associated conditions, and defined outcomes in order to streamline permit processing where appropriate.

Implementation Proposed:

- Reduce the non-refundable permit processing fee of \$500 to \$175 per estimated consultant and staff review time.
- For projects greater than 1,000 square feet below the floodplain, staff suggestion is to keep the escrow fee as-is. (Example: 1,000 square feet equates to 0.02 acre, resulting in a \$40 escrow fee). This has not been cost-prohibitive to homeowners who have gone through the District's permitting process in the past.
- Allow for staff to approve permit applications that meet District requirements, eliminating the need for homeowners to wait for the next monthly board meeting date or submittal deadline.
- Work with cities to eliminate permitting redundancy. If a project stays above the floodplain elevation and would not otherwise trigger a District permit, RWMWD would defer permitting for erosion and sediment control to cities.
- Provide assistance to homeowners in estimating the 100-year flood level on their properties using LIDAR and modeling information. This would eliminate the need for a professional survey for some (but not all) projects.
- Work with communications staff to Implement changes to the permit section of the District's website to: facilitate a separate permit application form better suited to residential projects, provide guidance specifically for single-lot residential projects including Frequently Asked Questions, improve user access and encourage a self-guided application process to reduce staff time in explaining permit requirements.

Conditions:

- This is to be considered a trial for applications received **before Jan. 1, 2021**. If the process does not achieve the defined outcomes, the District may resume regular permit process procedures for all projects triggering District rules, regardless of size or project type.
- Deferment of erosion and sediment control permitting to cities for projects greater than 1,000 square feet and above the floodplain requires agreement and participation by the city in question.
- Project must result in less than 1 acre of soil disturbance.
- Project must be located on a single residential parcel.
- For staff approval, project must meet District rules and not require a variance.
- For staff approval, project must not result in wetland impacts.

Defined Outcomes:

- Applications as approved result in no wetland impacts
- Applications as approved result in no adverse impacts to the 100-year floodplain.
- Applications as approved do not result in increased shoreline erosion.
- Projects under construction due not result in avoidable discharges of turbid water to water resources.
- Implementation results in increased grant program outreach and education on the benefits of native shoreline plantings.
- Average consultant time for review billed to the District does not exceed 1 hour.
- Gathered feedback on the usability of the specialized online permit application form is generally positive.

Requested Board Action:

Approve the adjusted implementation plan, associated conditions, and defined outcomes as outlined for single-lot residential projects triggering a District permit for the remainder of 2020.



RAMSEY-WASHINGTON

METRO WATERSHED DISTRICT

MEMORANDUM

Date: August 5, 2020

To: Board of Managers and Staff

From: Nicole Soderholm, Permit Coordinator
Mary Fitzgerald, District Inspector

Subject: July Enforcement Action Report

During July 2020:

Number of Violations:	12
Install/Maintain Perimeter Control	1
Install/Maintain Construction Entrance	1
Sweep Streets	1
Contain Liquid/Solid Wastes	1
Remove Discharged Sediment	2
Implement Proper Dewatering	3
Install/Maintain Energy Dissipation	1
Maintain Temporary Sediment Basin	2

Activities:

Permitting assistance to private developers and public entities, miscellaneous inquiries, ongoing ESC site inspections and reporting, WCA administration and procedures, final inspections, enforcement, single lot residential permitting adjustments, pre-construction meetings, Watershed Partners anti-racism conversation, underground BMP inspections

Project Updates:

18-27 McKnight Road Development (Gateway at McKnight, North St. Paul)

Staff conducted a routine SWPPP inspection on July 1st and observed several items needing attention, most notably dewatering, as turbid water was overtopping and entering into stormwater infrastructure. Staff notified necessary contacts about the urgent issue. Staff revisited the site on July 7th and observed dewatering operations discharging very turbid water from the site. Staff called project contacts and instructed pumping to stop immediately. With the help of the District's GIS Technician, staff were able to locate the

outlet site of this dewatering operation, and discovered that the turbid water had made its way to Kohlman Creek. Staff involved the District's Attorney to notify site contacts of the urgency to make remediations and repairs onsite, and to explain the repercussions if these items were not met. Several correspondences between staff and the site continued through early July. On July 15th the site's project manager sent proof of improvements to the site, and evidence of clean water being discharged. Staff will continue to inspect this site diligently.

20-17 Woodbury Temporary PFAS Water Treatment Plant

On July 7th staff – alongside site contractors - observed turbid water leaving the site during a large storm event through an outlet that was connected to the temporary sedimentation basin onsite. Staff explained the severe non-compliance that this created, and detailed the necessary steps to reach compliance again including remediation, capping the sedimentation basin, and reporting the turbid water spill to the Minnesota Duty Officer. Staff and onsite contacts had several email follow-ups after this visit. Staff revisited the site on July 10th and found that all necessary items had been completed to get the site back to compliance. The site worked very quickly to make repairs and to ensure that the issue would not occur again.

19-50 Window World Expansion (North St. Paul)

Staff attended an initial erosion control walkthrough with the project's superintendent on July 10th. All necessary erosion and sediment control BMPs were installed properly. Staff communicated the need for compensatory storage to be completed before any fill takes place in the floodplain. Site contacts are still determining if fill will be needed but are already working on creating compensatory storage per the approved grading plan. Staff will continue to inspect the site on a regular basis.

18-19 Roseville Area High School Remodel

Staff conducted a routine inspection on July 10th and observed excessive sediment tracking along the paved driveway onsite. This repeat non-compliant item has been reported by staff 4 times this year, and onsite improvements have not been adequate to resolve the issue. On July 10th, staff detailed the need to meet permit requirements to avoid enforcement escalation. Staff and onsite contacts continued discussions via email through July. On July 27th staff received updates with photos of the improvements made to the site to prevent sediment tracking. Staff will visit the site on July 30th to confirm that these improvements are working properly.

Permits Closed in July 2020:

None

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Stewardship Grant Program

* * * * *

Stewardship Grant Program Budget Status Update

August 5, 2020

Homeowner	Coverage	Number of Projects: 25	Funds Allocated
Habitat Restoration and rain garden w/o hard surface drainage	50% Cost Share \$15,000 Max	14	\$45,040
Rain garden w/hard surface drainage, pervious pavement, green roof	75% Cost Share \$15,000 Max	6	\$31,375
Master Water Steward Project	100% Cost Share \$15,000 Max	3	\$34,915
Shoreland Restoration	100% Cost Share \$15,000 Max	2	\$35,000

Commercial, School, Government, Church, Associations, etc.	Coverage	Number of Projects: 9	Funds Allocated
Habitat Restoration	50% Cost Share \$15,000 Max	1	\$1,200
Shoreland Restoration (below 100-year flood elevation w/actively eroding banks)	100% Cost Share \$100,000 Max	1	\$200,000
Priority Area Projects	100% Cost Share \$100,000 Max	5	\$368,000
Non-Priority Area Projects	75% Cost Share \$50,000 Max	1	\$50,000
Public Art	50% Cost Share	0	\$0
Aquatic Veg Harvest/LVMP Development	50% Cost Share \$15,000 Max	1	\$7,900
Maintenance	50% Cost Share \$5,000 Max for 5 Years	34	\$28,250
Consultant Fees			\$38,200
Total Allocated			\$844,880

2020 Stewardship Grant Program Budget	
Budget	\$1,000,000
Total Funds Allocated	\$844,880
Total Available Funds	\$155,120

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Action Items

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Request for Board Action

Board Meeting Date: August 5, 2020

Agenda Item No: 7A

Preparer: Tina Carstens, Administrator

Item Description: Keller Channel Weir and Phalen Outlet Resiliency Modifications

Background:

This project includes design, bid document development, bidding, permitting, and project procurement of modifications to the Keller channel weir structure and the Phalen outlet structure. The purpose is to implement a design that will allow the district to remotely adjust the weir heights on the Keller channel structure and the Phalen outlet structure in accordance with an approved operating plan. Operation of the structures under certain conditions will help reduce upstream flood levels where homes exist in the floodplain.

Barr has continued to develop the preliminary design and construction drawings and specifications. In addition, an environmental review process is underway to better understand the permitting issues associated with operating the gates, once constructed, as well the permits required to complete the modifications.

The preliminary design and construction documents for this work are nearing completion. The documents will be emailed separately to the board and also placed on the website. At the August meeting, staff is requesting authorization to solicit bids for this project. If passed, bids will be received in September and offered to the managers at a future board meeting for consideration of an award. This schedule will likely allow staff to pursue the necessary permits with the intent to begin construction to later this fall.

Applicable District Goal and Action Item:

Goal: Manage risk of flooding – The District will reduce the public’s risk to life and property from flooding through programs and projects that protect public safety and well-being.

Action Item: Cooperate with appropriate stakeholders to identify, assess, and address potential flooding problems in the District.

Staff Recommendation:

Staff recommends approval of the preliminary design, estimated costs, and proposed project schedule, and direct staff to finalize the design and bidding documents and solicit bid proposals.

Financial Implications:

This construction project will be funded through the Flood Risk Reduction Fund where there are sufficient funds available.

Board Action Requested:

Approve the preliminary design, estimated costs, and proposed project schedule, and direct staff to finalize the design and bidding documents and solicit bid proposals.

Memorandum

To: Board of Managers and Staff
From: Tina Carstens and Brad Lindaman
Subject: Flood Risk Reduction and Conveyance Feasibility Studies
Date: July 30, 2020

Below is an update on each of the flood risk reduction and conveyance feasibility studies that staff and Barr Engineering are working on. Barr staff will be on hand to present on the Owasso Bain and Willow Creek studies as well as answering any questions about the other studies as well. This is the topic that was planned for the board workshop but has since been moved to this regular board meeting.

Owasso basin area flood risk reduction feasibility study (Barr project manager: Sam Redinger; RWMWD project manager: Tina Carstens)

The purpose of this study is to evaluate the benefit-cost relationships of redirecting runoff from the Owasso basin upstream drainage area by reviewing potential pipe alignments, land acquisition costs, utility conflicts, permitting issues, and related design as well as construction and long-term maintenance costs associated with each alternative that achieves the project objective of removing habitable structures from the floodplain in this area.

This period, Barr developed and evaluated various infrastructure configuration concepts for the Owasso basin bypass pipeline feasibility study. To make the evaluation of the feasibility study more efficient, we subdivided the scope across individual subprojects (e.g., Owasso basin, bypass pipeline, Gervais Creek, and property buyout/acquisition). Preliminary design and analysis of each subproject have been completed, including the layout and configuration of each subproject and its features.

The Owasso basin subproject scope includes a variety of elements, including berm construction, road raising, hydraulic structure upsizing and modifications, and storage area expansion, in and around the Owasso basin area to improve stormwater conveyance through the system and its retention capacity.

The bypass pipeline subproject scope focused on evaluating the feasibility of different pipe alignment alternatives that consider existing topography, geometric constraints, constructability concerns, and geotechnical considerations. This pipeline would route the stormwater inflow to Owasso basin from the east to a downstream location in Gervais Creek.

The Gervais Creek subproject scope involved evaluating the hydraulic capacity of the existing creek as well as ways to improve its stormwater conveyance capacity. Examples include dredging the creek bottom to remove accumulated sediment and restrictive high points in addition to upgrading hydraulic structures at existing road crossings as upstream modifications were considered.

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From: Tina Carstens and Brad Lindaman
Subject: Flood Risk Reduction and Conveyance Feasibility Studies
Date: July 30, 2020

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The property buyout/acquisition subproject scope focused on itemizing the properties and homes potentially impacted by a 100-year storm event, as well as the cost for the RWMWD to purchase them. As system modifications are considered and evaluated (e.g., execution of the Owasso basin subproject), the volume of impacted properties and homes is reduced. The purpose of this subproject is to provide the RWMWD with a benchmark when considering the cost-benefit of implementing an element of the scope.

Barr utilized the RWMWD's stormwater model, which was further updated with the recently obtained site survey information, to evaluate the result of implementing the elements of each subproject noted above. Model results informed the feasibility of various scope elements or features and guided the preliminary design analyses.

Barr is preparing a presentation to summarize the preliminary findings of each subproject, including estimated capital costs, to inform the RWMWD of the pros and cons and cost-benefit of implementing various pieces of the overall scope. This presentation will be provided to the board of managers at the August 5 board meeting.

During the next period, Barr will address feedback from the board to complete the feasibility study, and compile the findings into a comprehensive report and technical memorandum. The information in this study will be used to inform budget decisions for 2021.

Willow Creek area flood risk reduction feasibility study (Barr project managers: Erin Anderson Wenz; RWMWD project manager: Tina Carstens)

The purpose of this study is to evaluate the benefit-cost relationships of infrastructure changes in the Willow Lake area by reviewing potential pipe alignments, land acquisition costs, utility conflicts, permitting issues, and related design as well as construction and long-term maintenance costs associated with each alternative that achieves the project objective of removing habitable structures from the floodplain in this area.

This period, Barr completed a survey of the lowest structures near flood-prone areas along Willow Creek. A desktop study identified potentially impacted structures using LiDAR (light detection and ranging) during the Atlas 14 modeling update and the Beltline resiliency study. The City of White Bear Lake also sent utility information, which was recently reviewed for use in this study. This information will be used to verify which conceptual design alternatives, if any, are appropriate and feasible in lowering flood levels to reduce flood risk to nearby homes and businesses. The results of this study will also be presented at the August 5 board meeting.

Ames Lake area flood risk reduction feasibility study (Barr project managers: Erin Anderson Wenz; RWMWD project manager: Tina Carstens)

The purpose of this study is to evaluate the benefit-cost relationships of infrastructure changes that would remove habitable structures from the floodplain in this area. This study will be phased. The first phase will involve communications with the City of Saint Paul about how to approach flood management

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From: Tina Carstens and Brad Lindaman
Subject: Flood Risk Reduction and Conveyance Feasibility Studies
Date: July 30, 2020

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in this area, which involves both regional and localized flooding issues. The second phase (if pursued) will encompass reviewing potential pipe alignments, land acquisition costs, utility conflicts, permitting issues, and related design as well as construction and long-term maintenance costs associated with each alternative that achieves the project objective, as defined in partnership with the city.

The City of Saint Paul requested to meet later this summer to discuss the project; establish roles among the RWMWD, Barr, and the city; and confirm project objectives. The city will need to evaluate and implement many, if not all, of the conceptual improvement options (mentioned in the resiliency study) for this area, with guidance and technical assistance from the RWMWD.

West Vadnais to South I-694 conveyance feasibility study (Barr project manager: Sam Redinger; RWMWD project manager: Tina Carstens)

The purpose of this study is to evaluate the feasibility of constructing a larger discharge pipeline that could be used to draw down West Vadnais Lake when conditions allow and/or when downstream improvements are implemented. The goal is to establish the normal water level of the system at elevation 881.0 and the 100-year flood level at elevation 884.0 without increasing flood levels downstream.

This period, Barr provided the RWMWD with the draft technical memorandum and presented the results of the feasibility study at the July board meeting. Barr and staff have received comments on this study from two board members. Those comment letters are being evaluated and draft responses to those comment letters will be shared with the whole board when it is complete.

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Administrator's Report

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MEMO

TO: Board of Managers and Staff
FROM: Tina Carstens, Administrator
SUBJECT: August Administrator's Report
DATE: July 30, 2020

A. Meetings Attended

Monday, June 29	10:30 AM	Twin Lake Outlet Pre-Construction Meeting
Tuesday, June 30	9:00 AM	Call with Twin Lake resident
Wednesday, July 1	6:30 PM	July Board Meeting

B. Upcoming Meetings and Dates

September Board Meeting	September 2, 2020
October Board Meeting	October 7, 2020
November Board Meeting	November 4, 2020
December Board Meeting	December 2, 2020

C. 2021 Budget Planning

Attached is a preliminary 2021 budget table and line by line narrative as well as some other supporting documents. We can walk through these items at the board meeting and I can answer any questions you may have. I will take your comments and direction to amend the budget in preparation for the September board meeting where we will hold a public hearing and certify the preliminary levy. Also during the month of August, I will solicit comments from our city and county partners. The following is a description of the attached documents:

1. **Full Budget Table** – here you will see the proposed 2021 budget line items as well as the increase/decrease from the 2020 budget. This table is very fluid and will change after input at the August meeting as well as further adjustments ahead of the September board meeting. Also, don't be alarmed by the % change in levy. This is just a starting point and I will explain how things can be adjusted to reflect a board desired change in levy from 2020 to 2021.

2. **Budget Program Line Item Breakouts** – Many of the line items on the full budget table include a number of items which is broken down more finely in these tables. Keep in mind that many of the items listed under each main budget category are preliminary and meant to show a possible use of the funds allocated.
3. **2021 Budget Narrative** – This document is a written description of each line item on the full budget table.
4. **Water Monitoring Technician Position Description** – As requested at the last meeting, I have included the position description for the position I would like to add in 2021.

Fiscal Year 2021 Budget V1
August Planning Meeting

Budget ID Number	Budget Item	FY 2020 Budget	FY 2021 Budget Funding Source				Total Proposed 2021 Budget	Increase (decrease) from 2020 Budget
			General Fund	Capital Improvements	Carry-over Funds	Other Funds		
1	Engineering							
	Administration	93,000	93,000				93,000	0
2	Engineering Review	55,000	55,000				55,000	0
3	Permit Application Review	55,000	55,000				55,000	0
4	Permit Inspection and Enforcement	10,000	10,000				10,000	0
5	Project Feasibility Studies	570,000	285,000		130,000		415,000	(155,000)
6	GIS Maintenance	5,000	5,000				5,000	0
7								
8	Attorney							
	General	40,000	40,000				40,000	0
9	Permit Enforcement	10,000	10,000				10,000	0
10								
11	Managers							
	Meeting Per diems	8,500	8,500				8,500	0
12	Managers Expenses	3,500	3,500				3,500	0
13								
14	Auditor/Accounting							
	Auditor/Accounting	60,000	65,000				65,000	5,000
15								
16	Miscellaneous							
	Dues & Publications	11,000	11,000				11,000	0
17	Insurance	40,000	45,000				45,000	5,000
18	Committee & Board Meeting Expenses	3,500	3,500				3,500	0
19	Miscellaneous	5,000	5,000				5,000	0
20								
21	Administrative							
	Salary & Benefits	1,450,000	1,520,000				1,520,000	70,000
22	Employee Expenses	10,000	15,000				15,000	5,000
23	Janitorial/Trash Services/Snow Plowing	15,000	15,000				15,000	0
24	Building Maintenance	200,000	150,000				150,000	(50,000)
25	Utilities (gas,electric, water, sewer, maintenance)	20,000	25,000				25,000	5,000
26	Office Supplies	5,000	7,000				7,000	2,000
27	Copying/Printing	8,000	8,000				8,000	0
28	Postage/Delivery	5,000	3,000				3,000	(2,000)
29	Office Furniture & Computer Equipment	150,000	150,000				150,000	0
30	Office Equipment Maintenance	3,000	3,000				3,000	0
31	Training/Education	25,000	25,000				25,000	0
32	Telephone	8,000	8,000				8,000	0
33	District Vehicles/Maintenance	43,000	43,000				43,000	0
34	GIS System Maintenance & Equip.	10,000	5,000				5,000	(5,000)
35	Data Base Improvements	5,000	40,000				40,000	35,000
36	IT Services/Internet/Website/Software Licenses	55,000	70,000				70,000	15,000
37	Outside Program Support	57,000	57,000				57,000	0
38	Outside Consulting Services	40,000	20,000				20,000	(20,000)
39								
40	Program							
	Lake Studies/WRPPs/TMDL Reports	173,000	103,000				103,000	(70,000)
41	Activities							
	Natural Resources Program	140,000	140,000				140,000	0
42	Water Monitoring-Lab Costs & Equip.	185,000	180,000				180,000	(5,000)
43	Lake Macrophyte Monitoring and Internal Load Management	10,000	70,000				70,000	60,000
44	Research Projects	95,000	95,000				95,000	0
45	Project Operations	160,000	200,000				200,000	40,000
46	Education Program	60,000	60,000				60,000	0
47	Communications and Marketing	25,000	25,000				25,000	0
48	Events	50,000	50,000				50,000	0
49	NPDES Phase-II	40,000	0				0	(40,000)
50	Health & Safety Program/Staff In-House Training	3,000	3,000				3,000	0
51								
52	Capital Improvements							
	Maplewood Mall SRF Loan Debt Service	92,611		92,238	0		92,238	(373)
53	Summary							
	Beltline and Battle Creek Tunnel Repair Debt Service	307,463		0	302,663		302,663	(4,800)
54	District Office Building Bond Payment	194,885		194,885	0		194,885	0
55	Targeted Retrofit Projects	1,012,000		800,000	500,000	710,000	2,010,000	998,000
56	Stewardship Grant Fund	1,000,000		300,000	500,000		800,000	(200,000)
57	Project Repair & Maintenance	1,115,000		825,000	500,000		1,325,000	210,000
58	Wetland Restoration Projects	0		500,000	0		500,000	500,000
59	Wakefield Park Project	100,000		0	0		0	(100,000)
60	Volume Reduction Opportunity Fund	1,600,000		0	1,600,000		1,600,000	0
61	Flood Risk Reduction Fund	4,000,000		2,000,000	2,000,000		4,000,000	0
	Totals	13,411,459	3,784,500	4,712,123	5,532,663	710,000	14,739,286	1,327,827

	Budget	Budget Total By Fund		Proposed
	Total	General Fund	CIB	Levy
2021 Budget Total and totals by fund	14,739,286	3,914,500	10,824,786	7,181,623
2020 Budget Total and totals by fund	13,532,258	4,124,500	9,407,758	6,763,498
2021 Budget Increase or (Decrease) from 2020 Budget	1,207,028	(210,000)	1,417,028	418,125
2021 Budget % change from 2020 Budget	8.92%	-5.09%	15.06%	6.18%

2021 Budget Program Line Item Breakouts

Project Feasibility Studies (Line 5)	
Emergency Response Plans	\$60,000
Groundwater Next Steps Planning	\$50,000
Hillcrest Golf Course & Gold Line BRT Planning	\$40,000
Kohlman Creek Flood Risk Management	\$75,000
Ames Lake Area Flood Risk Management Work w/City of St. Paul	\$25,000
Battle Creek PFAS*	\$25,000
694/494/94 Water Quality Feasibility Study	\$30,000
Subwatershed Assessment for At-Risk Creeks (Fish and Gervais)	\$35,000
Wetland Restoration Workshop, Education, Planning	\$25,000
Contingency	\$50,000
Total =	\$415,000

Outside Program Support (Line 37)	
Watershed Partners	\$10,000
Blue Thumb	\$3,000
East Metro Education	\$13,000
Cooperative Weed Management Program	\$10,000
GIS Users Group	\$1,000
Contingency	\$20,000
Total =	\$57,000

Lake Studies Etc. (Line 40)	
Grant Applications	\$40,000
Watershed Management Plan Updates	\$20,000
Tanners Flood Response Tool Model Update	\$3,000
Subwatershed Feasibility Studies Prioritization	\$15,000
Contingency	\$25,000
Total =	\$103,000

NR Program (Line 41)	
Ongoing Site Maintenance	\$25,000
Owasso Carp Management	\$40,000
Phalen Chain Carp Management	\$10,000
Vadnais-Snail Lake Park Restoration	\$20,000
Electric Carp Barrier	\$40,000
Contingency	\$5,000
Total =	\$140,000

Water Monitoring (Line 42)	
WQ Equipment Replacement and Repair	\$55,000
Lab Costs	\$90,000
Engineering Monitoring Reporting Assistance	\$10,000
Special Project Monitoring: Maplewood Mall, Battle Creek etc	\$25,000
Total =	\$180,000

Research (Line 44)	
Minnesota Stormwater Research Council	\$25,000
Kohlman Test Weirs	\$15,000
Iron Aggregate Pond Application	\$20,000
Internal Research/Contingency	\$35,000
Total =	\$95,000

Education/Events/Communications (Lines 46-48)	
Master Water Stewards	\$10,000
Adopt a Drain Program	\$5,000
Rain Barrel Program	\$5,000
Work in Schools	\$25,000
Education Contingency	\$15,000
Communications and Marketing	\$25,000
WaterFest	\$30,000
Watershed Excellence Awards	\$6,000
Events Contingency	\$10,000
Total =	\$131,000

Targeted Retrofits (Line 55)	
North St. Paul Target	\$1,400,000
St. Rose of Lima	\$260,000
Cemstone Stormwater Reuse	\$300,000
Contingency	\$50,000
Total =	\$2,010,000

Project Repair and Maintenance (Line 57)	
2021 Project Repair and Maintenance Contract	\$800,000
Beltline 5-year Inspection Completion and Repairs	\$100,000
Routine Inspections and Unplanned Maintenance ID	\$125,000
BMP and NR Maintenance Program	\$200,000
Contingency	\$100,000
Total =	\$1,325,000

Flood Risk Reduction Fund (Line 61)	
Keller Channel Weir and Phalen Outlet Modifications (2021)	\$150,000
West Vadnais Lake Emergency Overflow - Twin Lake By-Pass	\$50,000
Flood Risk Reduction and Coveynace Feasibility Study Implementation Projects - TBD	\$2,800,000
Contingency	\$1,000,000
Total =	\$4,000,000

2021 BUDGET NARRATIVE

Budget Line No.	Item & Description	Budget Amount	Change from '20 increase (decrease)
General Fund Budget Summary:			
1	<p>Engineering - Administration Oversight of all District Engineering activities, supervising staff assigned to projects, responding to general inquiries of the public and the Board, and preparing correspondence and billings. Engineering attendance at meetings of the District-covers Board and related project meetings, mini case studies, data collection, analysis, preparation of reports as requested by the managers and assisting in District water management planning activities.</p>	93,000	0
2	<p>Engineering - Review Review and comment on plans and proposals submitted to the District for review relative to District regulations, policies and concerns. Assist communities and counties with data and information needs related to projects and plans.</p>	55,000	0
3	<p>Engineering - Permit Application Review and Processing Provides for Engineering assistance in review of all permit applications, clarifying problems with the developer, meet developer on-site, coordinate permit issues with communities, counties, and other regulatory bodies.</p>	55,000	0
4	<p>Engineering - Permit Inspection & Enforcement Inspect projects when a designed improvement is involved and requested by District staff.</p>	10,000	0
5	<p>Engineering - Project Feasibility Studies This item provides a budget item for annual feasibility studies in preparation of future capital improvement projects. See Program Budget Line Item Breakout table. Some of these studies are carryover from 2020 that will not be completed in time while some are new.</p>	415,000	(155,000)
6	<p>Engineering - GIS Maintenance Provides funds for maintenance and assistance of the District GIS system.</p>	5,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '20 increase (decrease)
8	Attorney - General Legal advice at meetings, research on various issues for Board consideration, preparation and publication of legal notices, preparation of Board resolutions, and other matters requiring legal counsel.	40,000	0
9	Attorney - Permit Enforcement Legal advice on permit sites including enforcement activities, letter and legal action as necessary.	10,000	0
11	Manager per Diems Manager per diems for regular and special meeting attendance. Increased budget due to increase in state statute amount allowed for manager per diems.	8,500	0
12	Manager Expenses Manager Expenses incurred in the performance of official manager duties, such as attendance at conferences and meetings and related expenses.	3,500	0
14	Auditor/Accounting Preparation of the District's annual audit and provide monthly accounting services.	65,000	5,000
16	Dues & Publications Dues for appropriate organization memberships (MAWD, League of MN Cities, etc.) and for purchase of necessary publications and reference materials.	11,000	0
17	Insurance District General Liability, Property/Casualty, Public Official Liability insurance, etc.	45,000	5,000
18	Committee & Board Meeting Expenses Budget to cover miscellaneous expenses related to the duties and activities of District advisory committees, such as, meeting refreshments, supplies, public information materials, etc.	3,500	0

Budget Line No.	Item & Description	Budget Amount	Change from '20 increase (decrease)
19	Miscellaneous Expenses Expenses of the District not elsewhere classified. Examples include: miscellaneous financial charges and expenses, District tour expenses, pass through expenses, etc.	5,000	0
21	Staff Salaries, Taxes & Benefits Includes salary, taxes, insurance and benefits for existing full time staff plus summer interns. This budget includes an allowance for a salary increases and increased benefit costs as well as the addition of a water monitoring full time position. See supporting information.	1,520,000	70,000
22	Employee Expenses This includes mileage, parking, and supply expenses incurred by the District's staff.	15,000	5,000
23	Janitorial/Trash Services/Snow Removal Contract services required for office building and winter snow removal.	15,000	0
24	Building Maintenance Building repairs, equipment and landscape maintenance expenses. Decrease is due to larger expenses in 2020 that have been or will be completed.	150,000	(50,000)
25	Utilities (gas, electric, water, sewer) Provides for office building utility expenses.	25,000	5,000
26	Office Supplies Office supply costs for district operations.	7,000	2,000
27	Copying/Printing Photocopying and commercial printing expenses.	8,000	0
28	Postage/Delivery District postage and delivery expenses.	3,000	(2,000)

Budget Line No.	Item & Description	Budget Amount	Change from '20 increase (decrease)
29	Office Furniture and Computer Equipment Acquisition of necessary new and replacement office equipment and furniture.	150,000	0
30	Office Equipment Maintenance To fund office equipment maintenance.	3,000	0
31	Training/Education Training and education expenses for the District staff.	25,000	0
32	Telephone District telephone expenses. Includes office phone system and support costs.	8,000	0
33	Vehicle Replacement, Equipment and Maintenance Provides for fleet maintenance and equipment.	43,000	0
34	GIS System Maintenance & Equipment Provides for continuous upgrading of GIS system data files and equipment as needed.	5,000	(5,000)
35	Database Improvements Provides for improvements to district database programs for permit program, stewardship grant program, inspections and timesheets.	40,000	35,000
36	IT Services/Internet/Web Site/Software Licenses Provides for maintenance and upgrades to computer network and software upgrades. The increase is due to the potential new JPA model for Metro Inet as well as the ability for more staff to work from home and access work networks.	70,000	15,000
37	Outside Program Support Provides budget for financial support of programs that provide support to the District and its goals. See attached list.	57,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '20 increase (decrease)
38	Outside Consultant Services Provides funds for contracting special services with outside consultants as needs arise in the year.	20,000	(20,000)
40	Lake Studies/TMDL Reports This item is for various water body studies and related topics. See attached list	103,000	(70,000)
41	Natural Resources Program This item includes funding for project to enhance ecological diversity within the District – habitat restoration projects, site maintenance, studies and research. See attached list for breakdown.	140,000	0
42	Water Quality Monitoring Includes lab costs and equipment for lake sampling, BMP monitoring and performance monitoring. See attached list for breakdown.	180,000	(5,000)
43	Lake Macrophyte Monitoring and Internal Load Management Program to collect annual or bi-annual lake plant data to monitor changes in District lakes. The additional funds would apply to implementation of internal load management measures in our impaired waters.	70,000	60,000
44	Research Projects This account provides funds for conducting research into various water and resource management issues and problems. The budget includes contributions to the Minnesota Stormwater Research (MSR) program, Kohlman test weir research as well as other potential internal research projects. See attached list.	95,000	0
45	Project Operations This budget provides funds for the ongoing operational costs for District projects that incur utility or supply costs. The increase this year is due to the needs for the new auto lake level monitoring systems as well as the Keller Channel Weir and Phalen Outlet modification operations.	200,000	40,000

Budget Line No.	Item & Description	Budget Amount	Change from '20 increase (decrease)
46	Educational Programming Production of materials and programs designed to improve the understanding and knowledge of the school children, general public, city and county staff, developers and others of the District's programs and watershed management. This includes continued support of Master Water Stewards Program as well as support of the Adopt-a-Drain program. See attached list.	60,000	0
47	Communications and Marketing This will be used to support our communications and marketing plan.	25,000	0
48	Events Provide funds for the annual WaterFest program and Watershed Excellence Awards program.	50,000	0
49	NPDES Phase II This line item in the general fund will be removed as it is an old placeholder. The work done for NPDES Phase II and our MS4 permit is done mostly internally or under engineering support when needed.	0	(10,000)
50	Health & Safety Program/Staff In-house Training Provides funds to support the District staff safety program, training costs, equipment.	3,000	0
Capital Improvement Budget Summary:			
52	Maplewood Mall SRF Loan Debt Service Annual payment for the State Revolving Fund (SRF) loan for Maplewood Mall Phase IV project.	92,238	(373)
53	2016 Beltline and Battle Creek Tunnel Repair Debt Service This is the principal and interest payment for a bond issue approved in 2016.	302,663	(4,800)
54	District Building Bond Payment Provides funds for the annual bond payment for the District office building.	194,885	0

Budget Line No.	Item & Description	Budget Amount	Change from '20 increase (decrease)
55	<p>Targeted Retrofit Projects</p> <p>This budget is to fund projects that have been targeted by the District as a priority project for water quality and natural habitat. Projects are vetted in the current year and potential project implementations are planned for 2021. Projects with the most potential at this time for 2021 are shown on the attached list. Other projects identified to meet the goals for targeted retrofits may also present themselves over the next year. Staff will manage projects within the proposed Targeted Retrofit Projects budget and present them to the board as they develop. This budget includes levy funds, carryover, stormwater impact funds, and potential grant funds. This line can also be amended to shift Volume Reduction Opportunity Funds as the same parameters for projects apply.</p>	2,010,000	998,000
56	<p>Stewardship Grant Fund</p> <p>Provide funds for cost-share assistance to local road authorities, churches, public and private developers and homeowners for funding of volume reduction, habitat restoration, and other practices above the requirements of District rules.</p>	800,000	(200,000)
57	<p>Project Repair and Maintenance</p> <p>Provides funds for the maintenance of District projects and trunk conveyor system. Also includes funds for continuation of a BMP maintenance program and a contingency fund. See attached list.</p>	1,325,000	210,000
58	<p>Wetland Restoration Projects</p> <p>This is a placeholder for the board to consider for projects that would include wetland restoration work. This item can be fine-tuned for the rest of this year and the board can consider hearing about the restoration site search and potential project prioritization and whether or not to direct staff to implement a project.</p>	500,000	500,000
59	<p>Wakefield Park Project</p> <p>This project is complete and will be removed from in 2021.</p>	0	(100,000)

Budget Line No.	Item & Description	Budget Amount	Change from '20 increase (decrease)
60	<p>Volume Reduction Opportunity Fund</p> <p>This fund is in place for volume reduction projects. This fund could be closed and transferred to the Targeted Retrofits Fund to be used in 2021. If that were to happen, no new funds would need to be levied in 2021 for planned projects in the Targeted Retrofits Fund.</p>	1,600,000	0
61	<p>Flood Risk Reduction Fund</p> <p>Provides funds for flood control projects including acquisition or flood proofing of existing flood prone structures. Assistance to cities to reduce flood risks in areas identified by District modeling of Atlas 14 storm events could also be included. Approximately \$2,000,000 would be carryover from 2020 and \$2,000,000 would be levied in 2021. These proportions will be fine-tuned as the year goes on ahead of the final levy approval in December. This fund pools money for projects that meet the board's flood risk reduction goals. Some of the carryover will be needed to finish up the 2020 Keller Channel Weir and Phalen Outlet Modifications project as well as to be prepared for the potential need to activate the West Vadnais Lake Emergency overflow Twin Lake Bypass. A significant amount is being a placeholder for upcoming board decisions on the Flood Risk Reduction and Conveyance Feasibility Study implementation.</p>	4,000,000	0



POSITION DESCRIPTION

POSITION TITLE: Water Monitoring Technician
REPORTS TO: District Administrator
CLASSIFICATION TITLE: Technical Specialist I (Exempt)
GRADE LEVEL: 4
DATE: August 2020

PRIMARY OBJECTIVE:

The Water Monitoring Technician assists the Monitoring Coordinator to implement the water monitoring program including lake and creek water quality and quantity monitoring, special best management practices monitoring, Tanners Alum Plant operation and maintenance, and the district responsible inspection and maintenance program.

MAJOR AREAS OF ACCOUNTABILITY:

The following is to describe the general content of and requirements for the performance of this position. It is not to be construed as an exhaustive statement of duties, responsibilities or requirements.

- Perform water quality monitoring as directed including the installation and maintenance of equipment and processing of samples.
- Enter data as directed into databases and assist in the development of water monitoring reports. Assist in website updates as needed.
- Assist in the maintenance of the district alum treatment plant facility.
- Assist monitoring coordinator and project coordinator in the inspection of district projects and structures according to determined inspection needs.
- Complete minor maintenance on district projects, waterways, and trash racks as needed.
- Assist staff on yearly illicit discharge detection and elimination (IDDE) inspections as required by the district's storm water pollution prevention plan.

- Maintain inspection information in database system.
- Assist in evaluating equipment and maintenance needs.
- Maintain with various district staff the garage materials, equipment and storage in a neat, orderly and safe condition.
- Assists other district staff with projects and programs as needed and time allows.
- Review literature, attend conferences and trainings to maintain or increase knowledge and to provide the district with a high level of performance and job expertise.

EDUCATION AND EXPERIENCE

This position prefers but does not require a bachelor's degree with a minimum of three (2) years professional work experience in water quality monitoring or similar. An equivalent combination of relevant education/certifications/experience will be considered.

RESPONSIBILITY FOR SUPERVISION

This position may have intern supervision responsibilities.

RESPONSIBILITY FOR PUBLIC CONTACT

Medium level of public contact requiring tact, courtesy, and good judgement.

SPECIAL REQUIREMENTS

This position requires a valid driver's license. This position also requires working occasional weekends and evenings.

No individual shall be discriminated against in the terms and conditions of employment, personnel practices, or access to and participation in programs, services, and activities with regard to race, sex, color, creed, religion, age, national origin, sexual orientation, disability, marital status, familial status, or status with regard to public assistance.

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Project and Program Status Reports

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Memorandum

To: Board of Managers and Staff
From: Tina Carstens and Brad Lindaman
Subject: Project and Program Status Report – August 2020
Date: July 30, 2020

Project feasibility studies

Federal Emergency Management Agency (FEMA) flood mapping updates (Barr project manager: Brandon Barnes; RWMWD project manager: Tina Carstens)

The purpose of this project is to apply Minnesota Department of Natural Resources (DNR) grant funding to use the RWMWD's updated stormwater model to develop information required to update the FEMA floodplain maps.

Barr continued to address DNR comments on the preliminary hydraulic models. As part of this effort, we are preparing a memorandum that summarizes changes made to the models in response to each DNR comment. We will continue to address comments over the next few weeks and anticipate resubmitting final hydraulic models and a summary of comments and corresponding responses in mid-August.

Barr also met with the DNR to discuss the methodology for developing floodplain inundation files. We will begin preparing GIS files for floodplain inundation, depth grids, and other supporting files in August, with an estimated submittal to the DNR in mid-September. Due to the lengthened review period, the project schedule was extended and will now continue into 2021.

Hillcrest Golf Course (multi-use) (Barr project manager: Erin Anderson Wenz; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to identify and describe existing land, water, and stormwater conditions throughout the former Hillcrest Golf Course site to help the City of Saint Paul create the Hillcrest master plan that embodies and integrates the RWMWD's approach to stormwater management and natural-resources protection and restoration practices. The plan will determine future land uses and a new street network for the 112-acre former golf course on Saint Paul's East Side. In July, the city council approved bonds for the Saint Paul Port Authority to purchase the site.

This project remains on hold. Earlier this year, Barr finalized the technical report of the site's existing conditions, which will be used as part of the city's planning process. Work is currently suspended and depends on the project's evolution and the city's planning work and process.

Water management plan updates (Barr project manager: Erin Anderson Wenz; RWMWD project manager: Tina Carstens)

The purpose of this project is to update the 2017 RWMWD watershed management plan to reflect findings and studies from recent years and to update the implementation plan with several new implementation items that have arisen since the plan was adopted.

This period, Barr discussed initial edits to be incorporated into the plan updates. A workshop with board managers to discuss potential changes is being planned for later this year.

Water quality monitoring and other district project monitoring

Automated lake-monitoring systems (Barr project manager: Chris Bonick; RWMWD project manager: Eric Korte)

The purpose of this project is to install an automated system to monitor lake levels throughout the RWMWD and allow real-time transfer of data to the RWMWD's website for public consumption.

Barr and the RWMWD have completed installation of monitoring equipment at Lake Owasso. The station is currently measuring and recording depth. In late July, these readings will be tied into the elevation benchmark and will be added to the VDV (voice data voice) system, which will enable the RWMWD to access the Owasso data as well as data from the other four stations (Phalen, Snail, Wabasso, West Vadnais).

Barr and the RWMWD are currently developing a lake-level data webpage that will be accessible to the public via the RWMWD's website. The public version is expected to be available in August.

Peterson Co. has provided a quote for construction and electrical work for installing new monitoring stations at the Spoon, Tanners, Battle Creek, and Twin lakes (new). Written agreements with the land-owning entities at each of these sites are currently in the review phase. Barr and the RWMWD are obtaining quotes and ordering equipment for these stations.

Capital improvements

Targeted retrofit projects (Barr project manager: Matt Kumka; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to design, provide bid assistance for, and oversee construction of BMP retrofits on previously identified commercial, school, and faith-based properties throughout the RWMWD.

Construction of permeable pavements at the East Side Boys and Girls Club is underway. Barr worked with the contractor (Outdoor Lab) and the City of Saint Paul on permitting issues regarding the connection to local storm sewer structures. The concerns have been resolved and work has commenced. The contractor has begun excavation and installation of the drainage subbase rock with drain tile that will support the permeable paver system and detain runoff. Construction will be complete by mid-August. The permeable parking area will not only reduce water volume runoff but will solve localized flooding issues that made a large portion of the parking lot unusable for weeks at a time.

To: Board of Managers and Staff
From: Tina Carstens and Brad Lindaman
Subject: Project and Program Status Report August 2020
Date: July 30, 2020

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Target Store retrofit projects (Barr project manager: Leslie DellAngelo; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to design, provide bid assistance for, and oversee construction of BMP retrofits at two Target retail stores.

Bids were presented for the East Saint Paul Target site at the July board meeting. The board awarded the contract to Sunram Construction, Inc., who was the apparent low bidder. Sunram has submitted its bonds and insurance information and signed the agreement, which have been reviewed by the district attorney. The notice to proceed will be presented to Sunram at the preconstruction meeting in early August, and construction is expected to begin in mid-August. We have resumed design development for the North Saint Paul site and submitted revised conceptual designs to Target and the RWMWD in mid-July for review.

Kohlman permeable weir test system (Barr project manager: Keith Pilgrim; RWMWD project manager: Bill Bartodziej)

The objective of this current investigation is to develop one or more conceptual designs that will fit within the footprint of the existing Kohlman basin permeable weir. The revised design should provide filtration capacity and remove solids and phosphorus.

The current design includes use of an upstream flow treatment cell approach. Next steps in the design process will involve test system sizing, estimation of expected load reductions, and floodplain and maintenance considerations. We are also contemplating whether to test this approach on a limited scale before constructing the system across the entire permeable weir. CAD drawings are being developed, and the test-scale system is expected to be implemented this fall.

Aldrich Arena soils and plantings (Barr project manager: Matt Metzger; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to incorporate green-infrastructure stormwater management into the Aldrich Arena campus renovations. The parking lot will be full-depth reclaimed by Ramsey County, which itself will not trigger the need for a RWMWD permit. The partnership between the RWMWD and Ramsey County will achieve treatment of runoff from the parking lots where none currently exists. A formalized joint-powers agreement outlining the partnership cost sharing, roles, and responsibilities was crafted between the RWMWD and Ramsey County.

The majority of rain-garden grading, repair, and reconstruction was completed in 2019. Plantings were installed this year. Final record documentation, punch-list development, and vegetation establishment are ongoing. The RWMWD's portion of the project is expected to be complete this summer. The RWMWD has committed to providing two years of rain-garden and tree-vegetation-establishment maintenance after the project is accepted. The contractor is currently developing a work schedule to address any incomplete or nonconforming work identified in Barr's July 10 final-completion punch list.

Twin Lake outlet construction (Barr project manager: Brandon Barnes; RWMWD project manager: Tina Carstens)

The purpose of this project is to design and construct an outlet system and develop an outlet operating plan in accordance with feasibility study recommendations. The outlet and associated operating plan help reduce flood risk to habitable structures in the Twin Lake watershed in Little Canada and Vadnais Heights.

At the June meeting, managers awarded the project to Rachel Contracting LLC. A preconstruction meeting occurred on June 29. During June, Rachel Contracting worked to obtain permits from the DNR and the Minnesota Department of Transportation for dewatering. Over the past month, Barr and Rachel Contracting have reviewed and approved submittals for products and materials that will be used to construct the outlet.

Due to the COVID-19 pandemic, several suppliers have extended production times, resulting in a delay to the contractor mobilizing to the site. Rachel Contracting has now obtained the necessary permits, ordered materials, and anticipates an August 17 construction start. Construction is estimated to last three weeks from when the contractor mobilizes.

As previously mentioned, the City of Little Canada will handle operation of the outlet following construction, as well as maintenance of the manhole and culvert, in accordance with the operating plan. The RWMWD is responsible for maintenance of the conveyance ditch from the railroad to the outlet. Details regarding operation and maintenance responsibilities will continue to be developed over the next few months.

CIP project repair and maintenance

CIP maintenance/repairs 2020 project (Barr project manager: Greg Nelson; RWMWD project manager: Dave Vlasin)

The purpose of this project is to maintain existing systems and infrastructure owned and operated by the RWMWD and to assist and facilitate stormwater pond cleanouts to allow other public entities to meet their municipal separate storm-sewer system (MS4) requirements.

Fitzgerald Excavating & Trucking, Inc. has finished work on all sites associated with the original project. In addition, under a change order to this contract, Fitzgerald has completed the West Vadnais Lake outlet lowering, the Twin Lake bypass manhole installation, and the West Vadnais Lake overflow swale. All work in the change order, which is included in the consent agenda, is substantially complete, except for installation of the weir gate assembly mentioned in an earlier report. The West Vadnais Lake outlet is operational at its new elevation, as are the overflow swale and bypass manhole.

This month, change order 3 will be issued to extend the contract time to account for delays in the manufacturer's fabrication of the weir gate. After Fitzgerald receives the change order and installs the weir gate, the project will be complete and closed out.

Beltline/Battle Creek tunnel five-year inspection (Barr project manager: Sam Redinger; RWMWD project manager: Dave Vlasin)

The purpose of this project is to maintain the existing Beltline and Battle Creek tunnel systems and infrastructure owned and operated by the RWMWD.

This period, Barr's subcontractor completed the CCTV inspection of RWMWD-owned small-diameter storm sewers that are part of the Battle Creek system. Due to high flows, the subcontractor was unable to inspect some of the storm sewer segments, including approximately 30 lineal feet of a 12-inch storm sewer (the low-flow pipe that feeds into Battle Creek from under Upper Afton Road) and approximately 700 lineal feet of a 48-inch storm sewer (the pipe that Battle Creek feeds into before crossing underneath Highway 61). These segments will be televised during the winter as flows in Battle Creek are minimized.

Unexpected schedule delays have also resulted in a large portion of field data being unattainable until later in 2020 and/or 2021. In the interim, Barr will continue to compile and analyze obtained field data to provide a summary memorandum of initial findings. The purpose of this new deliverable is to summarize the inspection(s) and its preliminary findings to identify any concerns within the Beltline system that should be addressed as part of a near-term CIP maintenance project.

Based on our preliminary findings, a few specific defects warrant consideration for near-term rehabilitation. The repairs are localized and specific and outside of the previous project repair extents. An estimate for 2021 budgeting should include approximately \$50,000 for these repairs.

A comprehensive report will be provided as soon as feasible and is contingent on safely collecting the remaining field data.

Project operations

2019 Tanners Lake alum facility monitoring (Barr project manager: Meg Rattei; RWMWD project manager: Eric Korte)

The purpose of this project is to complete monitoring and reporting required by the general National Pollutant Discharge Elimination/State Disposal System permit for MS4s.

Since the facility began operating in April, samples have been collected from the facility inflow and outflow at a weekly frequency in compliance with the general National Pollutant Discharge Elimination/State Disposal System permit for MS4s. All samples were sent to the laboratory. Data from April through June were reviewed and summarized.

Lake studies

Internal load management discussions (Barr project manager: Keith Pilgrim; RWMWD project manager: Bill Bartodziej)

The primary objective of this study is to develop an overall assessment of a number of at-risk or total maximum daily load (TMDL) lakes with respect to the magnitude of internal phosphorus loads, benefits of controlling internal loads, and potential internal-load mitigation approaches.

Sediment coring of several lakes was completed in late May, and core testing produced data to help advance the study. Barr and the RWMWD are organizing and analyzing the data to develop an approach for improving the water quality of shallow and deep lakes by better controlling their internal nutrient loads. Additional efforts during this period include preliminary development of a simplified approach to model internal phosphorus load contribution to surface waters of deep and shallow lakes.

Wakefield Lake internal loading study (Barr project manager: Keith Pilgrim; RWMWD project manager: Bill Bartodziej)

The primary objective of this study is to determine the effect of curly-leaf pondweed on overall lake water quality and determine the potential water quality benefit of managing curly-leaf pondweed and internal loading.

A shallow lake model developed for Kohlman Lake will be used to better understand the dynamics between aquatic plants and internal loading and will guide plant management efforts in Wakefield Lake. Barr has begun organizing and analyzing available lake monitoring data and is helping the RWMWD plan aquatic-plant surveys and analysis. This period, we received aquatic plant data from the lake's second field survey and determined the dry weight content for use in the model. Water quality data collected in 2019 was reviewed for the lake and the Frost-Kennard treatment system to determine if 2019 would be an appropriate year to model, given that water quality data is not being collected in 2020.

Natural Resources Update – Bill Bartodziej and Simba Blood

Shoreland buffer areas are in full bloom around the Watershed

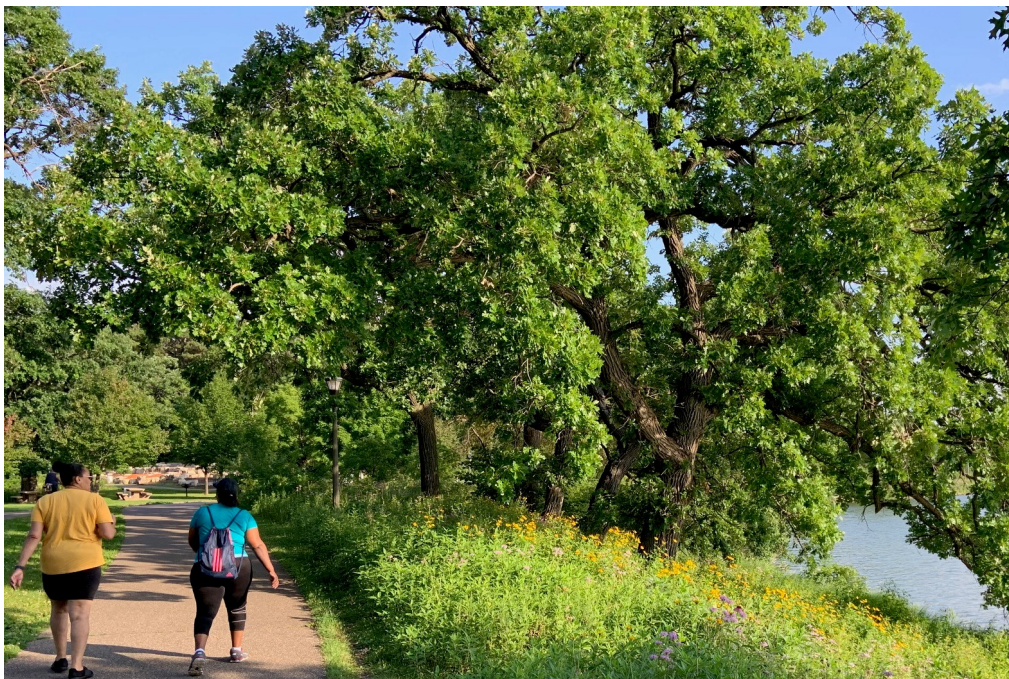
If you haven't already, now is a great time to take a look at the natural areas that we manage in the watershed. A majority of the sites have easy access with walking and biking paths, and a few are most efficiently viewed from the water. As with every program in the Watershed, this year has been challenging with work restrictions associated with the Covid-19 outbreak. However, the NR crew has been able to continue with the big Wetland-A restoration and keep up with restoration maintenance activities on our high profile sites. What has been really interesting to observe is the increased use of the city and county parks associated with our water resources. There is no doubt that the District's water and land management efforts are being viewed and appreciated by substantially more people this year. Our staff has enjoyed interacting with new people and sharing what is happening in the watershed. Below is a quick glance of a few key restoration areas. All of the photos were taken last week.

Wetland-A Ecological Restoration



Phase I – North end – just off the walking path.

Lake Phalen



Oak savanna shoreland habitat is predominant just north of the Phalen Pavilion.

Keller Creek



Prairie blazing star, Canada rye, and black-eye susan are common along the creek.

Keller Golf Course



A Halloween pennant dragonfly perched in the prairie that encircles the first tee.



The female depositing eggs around aquatic plants. (photo credit - Van Truan, U of F)

Public Involvement and Education Program – Sage Passi

Ames Lake Sculptures Are Ready to Install



Shoua Thao (left) poses with her newly completed steel dragonfly sculpture that will be installed this fall at Ames Lake. Koua Vang (photo on right) explores one of his completed bronze blue heron sculptures. One heron sculpture will be located at Ames Lake and its twin in Phalen Village. The team traveled on July 15 to St. Paul Fabricating to pick up Shoua’s sculpture and then to Osceola to American Bronze to pick up Koua's heron sculptures. The artists, along with Randee Edmundson, project organizer (right photo), art teacher, Aloun Phoulavan (in rear of right photo) and Sage Passi had the opportunity to tour each of the facilities and learn about the artistic and fabricating processes for each company. Watch for more details regarding the installations, online/in person ceremonial activities and a video capturing the complexity of these projects as we move into fall. Thank you to Randee and Aloun for all their coordination and support efforts and to the artists for sharing their creativity!

Pop Up Plant Give-Aways at First Covenant and Cross Lutheran Churches



Sherry Brooks, retired Farnsworth science teacher (left) and Master Water Stewards, Rachel Hanks, Bill Cranford and Michelle Natarajan handed out native perennials grown by classes in RWMWD at La Vina Fruit of the Vine food shelf at First Covenant Church in St. Paul across from Farnsworth School where many of the seedlings were started this winter. Thank you to Rachel Hanks for helping make this connection and getting our hand-outs translated into Spanish with instructions on how to plant and grow these plants. A second pop up native seedling give-away will be held on July 29 at Cross Lutheran Church in Maplewood. This church is starting to host a weekly food shelf for families connected to John Glenn Middle School. This food shelf location is shifting to the church due to construction at the school. We now have a way to integrate our plant distribution at this location. Thank you to two Cross Lutheran rain garden gardeners who helped us arrange for this opportunity to continue to distribute our plants. We will combine this with several hours of assisting this church team with maintenance in their almost block long rain garden, a process interrupted due to road construction along Frost Avenue last summer and this year's Covid restrictions. Teamwork at its best to get both tasks done!

Flower Power on the Creek: A Collaborative Event with Artists, Lower Phalen Creek Project, Capitol Region Watershed District and RWMWD on September 5



Above from left to right: Jessica Brommelkamp (Capitol Region Watershed), Christine Bauemler (CRWD resident artist), Crystal Norcross (Dakota Flower Power), Melanie Kloss (Lower Phalen Creek Project).

A community engagement event is planned for September 5 on the green space to the south of the outlet of Lake Phalen in St. Paul in collaboration with several organizations including the Dakota community, the Lower Phalen Creek Project, Capitol Region Watershed District and RWMWD. Seven "story scrolls" - informational placards about clean water, daylighting in general and Dakota water values will be set up parallel with 7 flower mandalas that will be created throughout the event by artists coordinated by Dakota community leader Crystal Norcross. There will be a large rendering of a generic

section of day-lighted urban creek with depictions of how the public could interact with the creek. The rendering will show and remind viewers that this is Dakota land and will include flowing water, a pond, restored habitat, and varying urban elements. It will represent what is possible with daylighting stretches of Phalen Creek, but will not be identifiable as any particular stretch. A volunteer/staff person at the rendering will ask viewers what they are drawn to in the image and how they could see themselves interacting with the future of this potential collaborative and long-term project. Social distancing and safety protocols are planned for the event, including keeping everyone at least 6' apart and providing a Go Live online option the day of the event.

Master Water Stewards “Make-Over” Projects Move Forward This Summer



Ann Hagerman’s shoreline restoration dream came to life this summer with the completion of this project on the shoreline of Lake Gervais in Little Canada. She began to envision this project for her property during the training process when she became a Master Water Steward in 2018-2019. Her hope is that other shoreline owners will see her project and want to emulate it. To help encourage other shoreline owners, she installed a newsletter box accessible to people who walk by. She stocks it with information about shoreline restoration, native plants and installation tips. Stop by!



East St. Paul residents Stuart and Mary Ellen Knappmiller began contemplating a front yard make-over last summer when Stuart was working on the plans for his capstone project. They live in the Lake Phalen neighborhood and the energy about Lawns to Legumes was building momentum. They also had some drainage issues in their basement. They began their research about creating a rain garden, cistern plantings, a pollinator friendly garden in their lawn and boulevard and converting their turf to a native grass – Pennsylvania sedge since a good portion of their yard is in partial shade. They got busy learning about perennials that could support butterflies and native bees and particularly the endangered rusty patched bumblebee. The result will be a diverse front yard with 30 different species.



The Knappmiller yard make-over capstone project will incorporate native perennials and several cultivars including some native spring ephemerals under their front yard tree. Visit it next spring and summer and see the difference!