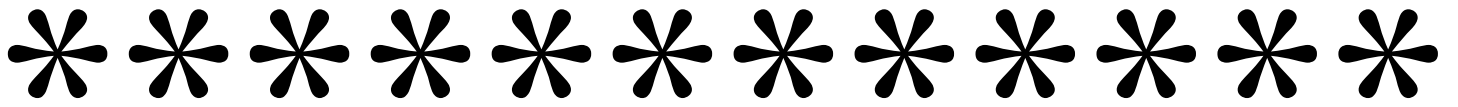
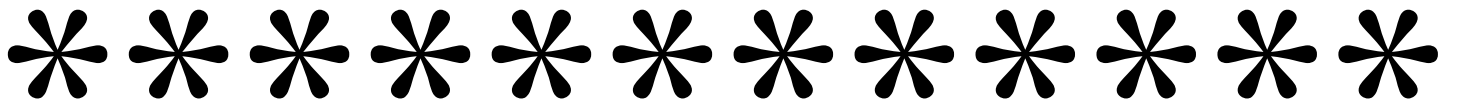


**Ramsey-Washington
Metro Watershed
District**

**January 2018
Board Packet**



Agenda





Regular Board Meeting Agenda

Wednesday, January 3, 2018

6:30 P.M.

District Office Board Room
2665 Noel Drive, Little Canada, MN

1. Call to Order – 6:30 PM
2. **Approval of Agenda**
3. **Consent Agenda**
 - A. Approval of Minutes December 6, 2017
 - B. Change Order No. 4 – Beltline and Battle Creek Tunnel Repair Project
4. **Treasurer’s Report and Bill List**
5. Visitor Presentations
6. Permit Program
 - A. Applications
 - i. **18-01 MnDOT Hwy 36 EB Ramp at I-35E, Little Canada**
 - ii. **18-02 Twin City Hardware Expansion, Oakdale**
 - B. Enforcement Action Report
 - C. Permit Program Statistics 2015-2017
 - D. Permit Inspection Intern Presentation – Zola Pineles
7. Stewardship Grant Program
 - A. Applications - NONE
 - B. Budget Status Update
8. **Action Items**
 - A. **Frost/Kennard Spent Lime Project Bid Review and Approval**
9. Administrator’s Report
 - A. Meetings Attended
 - B. Upcoming Meetings and Dates
 - C. Website Update
 - D. February Annual Meeting Reminder

10. Project and Program Status Reports
 - A. Ongoing Project and Program Updates
 - i. Snail Lake/Grass Lake Area
 - ii. Owasso Blvd. and Park Project
 - iii. Shoreview Lake Subwatershed
 - iv. Battle Creek Subwatershed
 - v. Willow Pond CMAC Project
 - vi. BMP Design Assistance
 - vii. Beltline/Battle Creek Tunnel
 - viii. CIP Maintenance/Repair 2018
 - ix. Natural Resources Program
 - x. Education Program
11. Informational Items
12. Report of Managers
 - A. Manager Oknich Resignation and Recognition
- 13. Adjourn**

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



Consent Agenda





**Ramsey-Washington Metro Watershed District
Minutes of Regular Board Meeting
December 6, 2017**

The Regular Meeting of December 6, 2017, was held at the District Office Board Room, 2665 Noel Drive, Little Canada, Minnesota, at 6:30 p.m.

PRESENT:

Marj Ebensteiner, President
Cliff Aichinger, Vice President
Dr. Pam Skinner, Secretary
Jen Oknich, Treasurer
Dianne Ward, Manager

ABSENT:

ALSO PRESENT:

Tina Carstens, District Administrator
Amanda Staple, Recording Secretary
Brad Lindaman, Barr Engineering
Sage Passi, Education Specialist
Dave Vlasin, Water Quality Technician
Bruce Copley, Crestview Resident

Paige Ahlborg, Project Manager
Viet-Hanh Winchell, Attorney for District
Nicole Soderholm, Permit Inspector
Bill Bartodziej, Natural Resource Specialist
Chris O'Brien, Communications Coordinator
Larry Swope, Floral Drive Resident

1. CALL TO ORDER

The meeting was called to order by President Ebensteiner at 6:33 p.m.

2. APPROVAL OF AGENDA

Tina Carstens requested to pull Item A separate from the Consent Agenda for further discussion.

Motion: Cliff Aichinger moved, Dianne Ward seconded, to approve the agenda as amended. Motion carried unanimously.

3. CONSENT AGENDA

A. Approval of Minutes from November 1, 2017

Tina Carstens noted that she has provided written clarifications and comments from Brad Lindaman for the Grass Lake section of the minutes.

Motion: Cliff Aichinger moved, Dianne Ward seconded, to approve the November 1, 2017, minutes as amended to include the written corrections. Motion carried unanimously.

B. 2018 BMP Program Service Agreement with Washington Conservation District

C. 2018 BMP Program Service Agreement with Ramsey Conservation District

Motion: Cliff Aichinger moved, Dr. Pam Skinner seconded, to approve the remainder of the consent agenda as presented. Motion carried unanimously.

4. TREASURER'S REPORT AND BILL LIST

Motion: Cliff Aichinger moved, Dianne Ward seconded, to approve the December 6, 2017, bill list as submitted. Motion carried unanimously.

5. VISITOR PRESENTATIONS

Bruce Copley stated that he submitted feedback on the Grass Lake/Snail Lake proposal that was presented at last month's meeting. He thanked staff for incorporating the suggestions. He stated that while there is a lot to like of the proposal, he believed that there is room for improvement. He stated that the plan proposed to use wetland A as an overflow area, which some residents are not thrilled with. He stated that they do not believe that the proposed pipe that would move water between Snail Lake to Grass Lake is the best choice and would prefer to transfer that water to Sucker Lake. He stated that they would like to see more modeling of high probability rain events, which the residents believe to be the main source of the existing problems. He stated that they would like additional study of Snail Marsh. He stated that they would also like more information generated on the option that would bypass Snail Lake altogether. He stated that the proposal suggests that the north and south Ramsey Ponds would be drained to Suzanne Pond, which they believe is a good option, but would like to see concrete agreements for maintenance to ensure that the pond functions well.

6. PERMIT PROGRAM

A. Applications

Permit #17-29: RWMWD 2018 CIP

Nicole Soderholm provided details on the District's annual maintenance program and noted that a DNR permit has been applied for.

Motion: Cliff Aichinger moved, Jen Oknich seconded, to approve Permit #17-29. Motion carried unanimously.

Permit #17-30: RWMWD Grass Lake Berm Raise – Shoreview

Nicole Soderholm noted that this is another District project that would create additional flood storage for Grass Lake. She stated that a variance request is included for temporary wetland buffer impacts. She stated that the variance also includes some floodplain fill, but noted that there would be no net loss of storage.

Motion: Dr. Pam Skinner moved, Cliff Aichinger seconded, to approve Permit #17-30. Motion carried unanimously.

Permit #17-31: Met Council Beltline Sanitary Sewer Rehab – St. Paul

Nicole Soderholm noted that page two of the variance request was not included in the packet and has been provided tonight for the Board. She stated that the variance request is for a temporary wetland buffer impact.

Motion: Jen Oknich moved, Dianne Ward seconded, to approve Permit #17-31. Motion carried unanimously.

Permit #17-32: Villas of Gem Lake – Gem Lake

Nicole Soderholm stated that there is one large parcel within the District boundaries for Gem Lake and that parcel is proposed for development. She provided additional information on the actions proposed for the wetland(s). She stated that this site is also proposing stormwater reuse and noted that Barr Engineering has reviewed the plan for reuse. She confirmed that the water reuse would be used for irrigation of the lawns of the homes. Manager Ward asked if the replacement system is consistent with what has been done before with new housing developments. Tina Carstens confirmed that this is consistent because there will be higher quality wetland in return.

Dr. Pam Skinner noted that some of the homes are proposed within the 100-year floodplain. Nicole stated that the homes meet the freeboard requirements of the District. She noted that staff proposed that the City owned outlot be increased to include the floodplain area, as it currently is proposed to go within the backyards of some of the properties. She stated that the City has yet to go through the final review of the plans.

Motion: Cliff Aichinger moved, Dianne Ward seconded, to approve Permit #17-32. Motion carried unanimously.

Permit #17-33: Aris Clinic – Woodbury

Nicole Soderholm stated that this request includes a temporary wetland buffer impact variance. She stated that staff feels confident that the action would be temporary in nature and therefore would support the variance.

Motion: Jen Oknich moved, Cliff Aichinger seconded, to approve Permit #17-33. Motion carried unanimously.

B. Monthly Enforcement Report

During November, 16 notices were sent to address: install/maintain inlet protection (4), install/maintain perimeter control (5), install/maintain construction entrance (1), stabilize exposed soils (1), contain liquid/solid wastes (2), and install/maintain permanent BMPs (3).

Nicole Soderholm noted that she was onsite at the I-694 sinkhole today and provided a brief update.

7. BMP INCENTIVE PROGRAM

A. Applications

None.

B. Budget Status Update

Paige Ahlborg stated that the budget status was similar to the previous month, with one application added.

C. 2018 Program Review and Approval

Paige Ahlborg noted that some small changes were made to the memorandum regarding the changes proposed at the last meeting and distributed the new memorandum. She stated that there is a proposal to change the name of the BMP Incentive Program to the Stewardship Grant Program and confirmed the consensus of the Board for that change. She reviewed the other recommendations included in the memorandum.

Manager Aichinger asked if there has been discussion with the lake association regarding the cost-share for harvesting. Bill Bartodziej replied that staff is going to develop a pilot program over the next year that would include a cost share agreement with the applicants for harvesting.

President Ebensteiner stated that she believes it would be difficult for one staff person to handle this responsibility and was glad to hear there would be a team of staff members involved. Bill noted that there are two or three lake entities that are interested, but confirmed that staff would not be soliciting.

Motion: Cliff Aichinger moved, Jen Oknich seconded, to approve the recommended changes to the BMP Incentive Program/Stewardship Grant Program for 2018 as proposed within the updated memorandum distributed. Motion carried unanimously.

8. ACTION ITEMS

A. Grass Lake and Snail Lake Optimization Study Report

Tina Carstens noted that the study was presented at the last meeting and it was noted at that time there would be additional time for the Managers, residents, and other entities to provide comments. She noted that the comments received were included in the Board packet for review and stated that if there are any questions

regarding those comments, discussion can occur tonight. Staff also provided a memo with response to some of the comments received on the plan.

Brad Lindaman stated that there were minor changes made. He referenced the connection between north Ramsey Pond and Suzanne Pond, noting that a change was made to recommend only a pipe with a manual valve, which would allow shut off of the pipe in a failure event. He noted that there was discussion of other studies that were underway and that the report was changed to clarify that those studies are already underway and would continue to be followed.

Motion: Cliff Aichinger moved, Dr. Pam Skinner seconded, to accept the Grass Lake and Snail Lake Optimization Study Report. Motion carried unanimously.

Tina noted that the two scope summaries were included in the packet.

Motion: Cliff Aichinger moved, Dr. Pam Skinner seconded, to direct staff to move forward with the two proposed studies as indicated by the scope summaries.

Further discussion: Manager Aichinger stated that he is looking forward to finding out additional information regarding the Snail Lake to Sucker Lake pumping. Brad Lindaman noted that the first phase of the study would include the options that should be considered as well as costs. Manager Aichinger confirmed that once the options are completed, the costs would be compared. Brad noted that if there was a pipe between Snail and Grass Lakes, there could be times when Grass Lake would be too high to accept additional water. President Ebensteiner commented that the District would not know where to go without the results of these additional studies

Manager Ward stated that she would like to see additional information on the marsh. Brad stated that the Snail Lake marsh is included as a storage area, but noted that additional study is needed to determine the point at which that would overflow. He stated that they would check to make sure the connection is available along with the elevations. Manager Ward asked if there should be a study of the amount of water going into wetland A and where it is coming from. Brad stated that staff can help to show Ramsey County Parks that information in order to help them determine how they are going to address the trail issue and whether a boardwalk would be necessary.

Motion carried unanimously.

B. Grass Lake Berm Bid Review and Approval

Brad Lindaman distributed the bid information, noting that a total of nine bidders were interested in the project. He stated that the engineer's estimate was \$221,500 for the construction element, noting that a wide range of bids was received. He stated that Fitzgerald Excavating and Trucking was the low bidder with a bid of \$107,479. He stated that the District has had positive experience with the quality of work the contractor provides. He noted that all the bidding requirements have been met.

Motion: Jen Oknich moved, Dr. Pam Skinner seconded, to accept the bids and award the Grass Lake Berm to Fitzgerald Excavating and Trucking in the amount of \$107,479 and to direct staff to prepare and mail the notice of award, prepare the draft agreements, and review the required submittals. Motion carried unanimously.

C. Capital Improvement Budget Fund Transfer – Debt Service – Resolution 17-05

Tina Carstens noted that this is a housekeeping item due to the timing of the bond repayments and the timing of the District receiving its levy funds.

Motion: Cliff Aichinger moved, Dianne Ward seconded, to approve resolution 17-05. Motion carried unanimously.

D. 2018 Budget and Levy Final Approval – Resolution 17-06

Tina Carstens highlighted minor changes that had been made to include the Snail Lake studies. She stated that there has also been discussion with the DNR to use the Atlas 14 information to update the FEMA maps.

Manager Aichinger asked for information on the use of solar power for the District office. Tina Carstens provided an update and noted that it is included as its own line item. She provided additional information on proposed office updates. Manager Ward stated that depending on the changes that occur to tax law, the District will need to be aware of possible changes and impacts to property tax deductions.

Motion: Cliff Aichinger moved, Dr. Pam Skinner seconded, to approve resolution 17-06. Motion carried unanimously.

9. ADMINISTRATOR'S REPORT

A. Meetings Attended

No comments.

B. Upcoming Meetings and Dates

Tina Carstens highlighted the upcoming office holiday celebration on Tuesday, December 19th at 11:30 a.m., noting that all Managers are welcome to join the event.

Tina noted the newly-displayed award received from MAWD. Bill Bartodziej stated that the MAWD Annual Meeting was a nice event and it was great to be recognized for the project. He noted the recent press that the project has received. Manager Aichinger stated that it is great to see how watershed projects have evolved and that it was great to be recognized as project-of-the-year.

C. Website Update

Chris O'Brien stated that the District has been working since last spring to redesign the website. He displayed the final design proofs for the different types of pages within the website, including drop-down menus, call out boxes and other features. He noted that the site would be mobile-friendly and sized appropriately for the specific type of equipment that is being used to view the site. He stated that they are working to provide all the content to Windmill Design by December 29 in order to launch on January 25.

D. WaterFest Coordination Update

Tina Carstens noted that there are a few recommendations that staff will follow-up on for contractors.

E. Washington County Watershed Meeting Update

Manager Aichinger stated that there was a good question from the Board and noted that Tina Carstens provided good feedback on maintenance and routine inspections.

10. PROJECT AND PROGRAM STATUS REPORTS

A. Ongoing Program and Program Updates

i. Atlas 14 Monitoring

Dave Vlasin referenced the Atlas 14 monitoring item and noted that monitoring equipment was removed November 15th, not September 15th as stated in the report.

ii. Shoreview Lake Subwatershed

iii. Tanners Lake Alum Facility

Manager Aichinger asked for clarification on the Tanners Lake alum facility report. Dave Vlasin provided additional clarification.

iv. Targeted Retrofit Projects

v. Frost/Kennard Project

- vi. BMP Design Assistance
- vii. Willow Pond CMAC Project
- viii. Beltline/Battle Creek Tunnel
- x. CIP Maintenance/Repair 2017
Natural Resources Program

President Ebensteiner asked for additional information on a grant listed in the report under the natural resources program report. Bill Bartodziej reported that last week staff was made aware that the District will receive a grant for \$252,000 to do work on the Snail/Grass Lake Regional Park, noting that the District will have a span of four years for completion of the work. Sage Passi stated that she is excited with the educational opportunity prospects that exist within this project. Manager Ward suggested contacting Friends of the Park, as they may assist with plantings.

- xi. Education Program

11. INFORMATIONAL ITEMS - No comments.

12. REPORTS OF MANAGERS

Dr. Pam Skinner stated that she is up for reappointment and noted that she will be submitting her application for reappointment. She also stated that in the coming months, she would like to provide a brief presentation on the human health impacts of the use of alum and pesticides. Tina Carstens noted that President Ebensteiner is also up for reappointment this year.

13. ADJOURN

Motion: Cliff Aichinger moved, Dr. Pam Skinner seconded, to adjourn the meeting at 8:18 p.m. Motion carried unanimously.

Respectfully submitted,

Dr. Pam Skinner, Secretary

Consent Agenda Item

Board Meeting Date: January 3, 2018

Agenda Item No.: 3B

Preparer: Tina Carstens, Administrator

Item Description: Change order #4 for the Beltline/Battle Creek Tunnel Repair Project

Background:

Attached is change order #4 for the Beltline/Battle Creek Tunnel Repair Project. The change order clarifies measurement of reinforcing sealing and adds additional point repairs in the Battle Creek Tunnel. This change was done at the request of the District and is being performed by the completed in good faith by the Contractor and in coordination with the District's representative in the field.

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 #4.

Financial Implications:

The change order results in a total project cost increase of \$14,950. There are contingency funds available in the budget line item for this project to cover the increase in cost.

Board Action Requested:

Approve Change Order #4.

CHANGE ORDER 4

DATE OF ISSUANCE: November 22, 2017
EFFECTIVE DATE: November 22, 2017

PROJECT: Beltline, Sta. 1+45 to 93+50 & 438+77 to 458+18, and Battle Creek, Sta. 0+00 to 45+00, Repair Project

OWNER: Ramsey-Washington Metro Watershed District

CONTRACTOR: PCiRoads, LLC

NOTIFICATION NAME and ADDRESS: Mr. Nap Scott
PCiRoads, LLC
14123 42nd Street NE
St. Michael, MN 55376

ENGINEER: Barr Engineering Co. (Barr)
4300 MarketPointe Drive, Suite 200
Minneapolis, Minnesota 55435
Attn: Nathan Campeau, P.E.

You are directed to make the following changes in the Contract Documents

4-1. **Item T: Reinforcement Sealing Length Categories**

Description: As discussed during Progress Meeting No. 29, for the four (4) length categories of Reinforcement Sealing provided in the Contract documents, 6 inches, 12 inches, 24 inches, and 36 inches, the range of length for each dimension is as follows: the 6 inch dimension encompasses 0-9 inches, the 12 inch dimension encompasses 9-18 inches, the 24 inch dimension encompasses 18-30 inches, and the 36 inch dimension encompasses 30 inches and longer.

Reason for Change Order: Provide clarification of the range of length for each of the four (4) categories of dimension to quantify the reinforcement sealing repairs for measurement and payment.

Change in Contract Price: This change will not change contract price.

Change in Contract Time: This change will not change the contract time.

4-2. **Additional Battle Creek Point Repairs**

Description: Per Field Advisement No. 3, the Contractor is authorized to perform additional point repairs in Battle Creek. Measurement and Payment will follow that of Item 0: Point Repair, and the locations for these additional point repairs will be identified in the field by the Engineer.

Reason for Change Order: Some existing defects within Battle Creek have further deteriorated in condition and/or have more groundwater infiltrating through them than previously observed, warranting rehabilitation.



CHANGE ORDER 4

Change in Contract Price: Additional Point Repairs will be performed in Battle Creek, more than doubling the original bid quantity for this storm sewer. The unit price for these additional point repairs is \$650.00 per Each, while the unit price for the original bid quantity of 12 Point Repairs for this storm sewer will remain at \$900.00 per Each. This increase in the Point Repair quantity at the reduced unit price results in an estimated increase in the contract price by \$14,950.

Change in Contract Time: This change will not change contract time.

RECOMMENDED:

By *William Campan*

Date 11/22/2017

ENGINEER
Barr Engineering Co.

ACCEPTED:

By *Joel J. [Signature]*

Date 11/27/17

CONTRACTOR
PCIRoads, LLC

APPROVED:

By _____

Date _____

OWNER
Ramsey-Washington Metro Watershed
District

Table

Change Order No. 4 Documentation

	Change Order Item	Cost
4-1	Item T: Reinforcement Sealing Length Categories	NA
4-2	Additional Battle Creek Point Repairs	\$14,950.00
	Total	\$14,950.00





Bill List



RWMWD BUDGET STATUS REPORT
Administrative & Program Budget
Fiscal Year 2017
12/31/2017

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	\$6,500.00	-	1,075.00	3,852.08	\$2,647.92	59.26%
	Manager expenses	4360	3,500.00	-	248.24	993.40	2,506.60	28.38%
Committees	Committee/Bd Mtg. Exp.	4365	3,500.00	-	226.98	3,421.93	78.07	97.77%
Employees	Staff salary/taxes/benefits	4010	1,250,000.00	-	127,029.23	1,121,765.96	128,234.04	89.74%
	Employee expenses	4020	10,000.00	-	1,055.01	9,260.86	739.14	92.61%
	District training & education	4350	25,000.00	-	5,223.94	15,114.01	9,885.99	60.46%
Administration/Office	GIS system maint. & equip.	4170	15,000.00	-	-	3,588.87	11,411.13	23.93%
	Data Base/GIS Maintenance	4171	20,000.00	-	-	4,875.00	15,125.00	24.38%
	Equipment maintenance	4305	3,000.00	-	-	600.00	2,400.00	20.00%
	Records Management	4306	5,000.00	-	-	-	5,000.00	0.00%
	Telephone	4310	10,000.00	-	55.40	4,112.59	5,887.41	41.13%
	Office supplies	4320	5,000.00	-	210.14	3,861.37	1,138.63	77.23%
	IT/Internet/Web Site/Software Lic.	4325	55,000.00	-	165.16	28,346.84	26,653.16	51.54%
	Postage	4330	5,000.00	-	142.47	4,241.51	758.49	84.83%
	Printing/copying	4335	10,000.00	-	285.67	6,486.55	3,513.45	64.87%
	Dues & publications	4338	9,000.00	-	20.00	6,735.45	2,264.55	74.84%
	Janitorial/Trash Service	4341	17,000.00	-	776.02	10,631.83	6,368.17	62.54%
	Utilities/Bldg.Contracts	4342	23,000.00	-	1,459.57	10,630.75	12,369.25	46.22%
	Bldg/Site Maintenance	4343	30,000.00	-	1,239.85	12,316.10	17,683.90	41.05%
	Miscellaneous	4390	5,000.00	-	-	1,666.04	3,333.96	33.32%
	Insurance	4480	35,000.00	-	-	30,991.00	4,009.00	88.55%
	Office equipment	4703	10,000.00	-	-	11,940.94	(1,940.94)	119.41%
	Vehicle lease, maintenance	4810-40	65,000.00	-	28,278.98	32,135.82	32,864.18	49.44%
Consultants/Outside Services	Auditor/Accounting	4110	50,000.00	-	1,597.72	46,840.03	3,159.97	93.68%
	Engineering-administration	4121	89,000.00	-	5,216.00	64,656.63	24,343.37	72.65%
	Engineering-permit I&E	4122	15,000.00	-	-	1,644.50	13,355.50	10.96%
	Engineering-eng. review	4123	50,000.00	-	4,618.00	38,943.05	11,056.95	77.89%
	Engineering-permit review	4124	50,000.00	-	3,215.50	51,601.02	(1,601.02)	103.20%
	Project Feasibility Studies	4129	300,000.00	-	9,180.17	86,076.83	213,923.17	28.69%
	Attorney-permits	4130	10,000.00	-	-	-	10,000.00	0.00%
	Attorney-general	4131	40,000.00	-	4,626.00	33,172.13	6,827.87	82.93%
	Outside Consulting Services	4160	40,000.00	-	-	32,279.75	7,720.25	80.70%
Programs	Educational programming	4370	60,000.00	-	6,108.37	40,782.50	19,217.50	67.97%
	Events	4372	40,000.00	-	1,170.00	36,822.86	3,177.14	92.06%
	Water QM-Engineering	4520-30	133,000.00	43,000.00	5,137.98	180,463.03	(4,463.03)	102.54%
	Project operations	4650	140,000.00	-	3,151.50	78,166.98	61,833.02	55.83%
	SLMP/TMDL Studies	4661	125,000.00	-	400.00	3,454.50	121,545.50	2.76%
	Water Management Plan/Updates	4662	20,000.00	-	-	20,357.22	(357.22)	101.79%
	Natural Resources/Keller Creek	4670-72	90,000.00	15,000.00	2,805.35	120,099.06	(15,099.06)	114.38%
	Outside Prog.Support/Weed Mgmt.	4683-84	110,000.00	-	1,351.55	43,652.74	66,347.26	39.68%
	Research Projects	4695	235,000.00	-	2,272.00	109,062.99	125,937.01	46.41%
	Health and Safety Program	4697	2,000.00	-	-	1,965.40	34.60	98.27%
	NPDES Phase II	4698	20,000.00	-	-	4,850.74	15,149.26	24.25%
	Atlas 14 Watershed Modeling	4732	0.00	-	-	223.59	(223.59)	0.00%
GENERAL FUND TOTAL			\$3,239,500.00	\$58,000.00	\$218,341.80	\$2,322,684.45	\$974,815.55	70.44%
CIP's	CIP Project Repair & Maintenance	516	700,000.00	-	12,832.27	645,205.15	54,794.85	92.17%
	Targeted Retrofit Projects	518	850,000.00	-	7,921.00	304,231.64	545,768.36	35.79%
	District Office Building Solar Energy Retrofit	519	150,000.00	-	284.00	16,995.50	133,004.50	11.33%
	Flood Damage Reduction Fund	520	1,600,000.00	-	15,696.00	506,992.04	1,093,007.96	31.69%
	Debt Services-96-97 Beltline/MM/Battle Creek	526	238,977.00	-	-	181,474.85	57,502.15	75.94%
	BMP Incentive Fund	528-529	950,000.00	-	7,032.95	531,031.70	418,968.30	55.90%
	Impervious Surface Volume Reduction Opportunity	531	1,500,000.00	-	-	-	1,500,000.00	0.00%
	Beltline & Battle Creek Tunnel Repair	549	-	-	207,207.72	1,902,042.54	(1,902,042.54)	---
	Frost/Kennard Enhanced WQ BMP	550	375,000.00	-	4,217.50	12,380.50	362,619.50	3.30%
	Markham Pond Dredging & Aeration	551	618,750.00	-	-	386,813.08	231,936.92	62.52%
	Wakefield Park Project	553	353,000.00	-	-	-	353,000.00	0.00%
	District Office Bond Payment	585	194,885.00	-	-	194,863.95	21.05	99.99%
CIP BUDGET TOTAL			\$7,530,612.00	-	\$255,191.44	\$4,682,030.95	\$2,848,581.05	62.17%
TOTAL BUDGET			\$10,770,112.00	\$58,000.00	\$473,533.24	\$7,004,715.40	\$3,823,396.60	65.04%

Current Fund Balances:

Fund:	Beginning Fund Balance @ 12/31/16	Fund Transfers	Year to date Revenue	Current Month Expenses	Year to Date Expense	Fund Balance @ 12/31/17
101 - General Fund	\$3,420,560.56	-	3,224,886.38	218,341.80	2,322,684.45	4,322,762.49
516 - CIP Project Repair & Maintenance	464,998.00	-	757,154.99	12,832.27	645,205.15	576,947.84
518 - Targeted Retrofit Projects	362,074.00	-	747,845.76	7,921.00	304,231.64	805,688.12
519 - District Office Building Solar Energy Retrofit	146,619.00	-	284.00	16,995.50	16,995.50	129,623.50
520 - Flood Damage Reduction Fund	841,148.00	-	801,866.64	15,696.00	506,992.04	1,136,022.60
526 - Debt Services-96-97 Beltline/MM/Beltline-Battle Creek Tunnel Repair	114,726.00	245,431.00	178,798.85	-	181,474.85	357,481.00
527 - Casey Lake Watershed Infiltration Retrofit	210,980.00	(210,980.00)	-	-	-	0.00
528/529 - BMP Incentive Fund	709,116.00	-	454,101.34	7,032.95	531,031.70	632,185.64
531 - Impervious Surface Volume Reduction Opportunity	1,484,215.00	-	-	-	-	1,484,215.00
549 - Beltline & Battle Creek Tunnel Repair	4,521,997.00	-	-	207,207.72	1,902,042.54	2,619,954.46
550 - Frost/Kennard Enhanced WQ BMP	47,471.00	-	73,893.99	4,217.50	12,380.50	108,984.49
551 - Markham Pond Dredging & Aeration	202,622.00	-	290,042.95	-	386,813.08	105,851.87
553 - Wakefield Park Project	-	-	347,794.44	-	-	347,794.44
580 - Contingency Fund	483,232.00	(34,451.00)	-	-	-	448,781.00
585 - Certificates of Participation	134,238.00	-	192,011.10	-	194,863.95	131,385.15
Total District Fund Balance	\$13,143,996.56	-	\$ 7,068,396.44	\$ 473,533.24	\$7,004,715.40	\$13,207,677.60

Ramsey Washington Metro Watershed Dist.
Check Register
For the Period From Dec 1, 2017 to Dec 31, 2017

Check #	Date	Payee ID	Payee	Description	Amount
EFT	12/11/17	hea002	HealthPartners	Employee Benefits	\$11,908.02
69630	12/14/17	als001	ALS Group USA, Corp	Water QM Staff-General	650.00
69631	12/14/17	hen002	Henriksen Ace Hardware	Natural Resources Project	47.26
69632	12/14/17	min012	MN Department of Agriculture	Dues & Publications	20.00
69633	12/27/17	ahl001	Paige Ahlborg	Employee Reimbursement	276.07
69634	12/27/17	all004	allstream	Project Operations	60.42
69635	12/27/17	att002	AT & T Mobility - ROC	IT/Website/Software	45.23
69636	12/27/17	aws001	AWS Service Center	Janitorial/Trash Service	171.02
69637	12/27/17	bar001	Barr Engineering	November/December Engineering	91,127.94
69638	12/27/17	bar002	Bill Bartodziej	Employee Reimbursement	480.97
69639	12/27/17	bar004	Deborah Barnes	Employee Reimbursement	29.63
69640	12/27/17	bar007	Peter Barrett	BMP Cost Share Program	3,881.25
69641	12/27/17	blo001	Simba Blood	Employee Reimbursement	221.94
69642	12/27/17	bre003	Bremer Bank (2018)	Employee Benefits	6,468.75
69643	12/27/17	bro003	Brooks Applied Labs	Water QM Staff-General	2,104.82
69644	12/27/17	cad003	Cady Building Maintenance	Janitorial/Trash Service	605.00
69645	12/27/17	cap001	Capitol Region Watershed District	Training & Education	163.27
69646	12/27/17	car007	Carp Solutions, LLC	Natural Resources Project	2,549.16
69647	12/27/17	fle001	Flemings Auto Service	Vehicle Maintenance	28.70
69648	12/27/17	for002	Fortin Consulting, Inc.	Educational Program	5,000.00
69649	12/27/17	gal001	Galowitz Olson, PLLC	December Legal Fees	5,906.00
69650	12/27/17	ger003	Carole Gernes	Weed Management Program	19.37
69651	12/27/17	gil001	Gilbert Mechanical Contractors, Inc.	Bldg./Site Maintenance	680.87
69652	12/27/17	gru001	Gruber's Power Equipment	Natural Resources Project	26.99
69653	12/27/17	hub001	Michael Huber Architects	Bldg./Site Maintenance	445.00
69654	12/27/17	inn002	Innovative Office Solutions LLC	Office Supplies	99.32
69655	12/27/17	inn003	Innovational Concepts, Inc.	Utilities/Bldg. Contracts	206.75
69656	12/27/17	int001	Office of MN, IT Services	Telephone Expense	55.40
69657	12/27/17	kor001	Eric Korte	Employee Reimbursement	293.55
69658	12/27/17	lea003	L. Tracy Leavenworth	Educational Program	868.87
69659	12/27/17	mag004	Carrie Magnuson	Employee Reimbursement	521.77
69660	12/27/17	me1001	Michelle L. Melser	Employee Reimbursement	301.44
69661	12/27/17	nor011	Northland Trust Securities, Inc. (2018)	Debt Services-Beltline	245,431.25
69662	12/27/17	nsp001	Xcel Energy	Utilities/Project Operations	1,990.95
69663	12/27/17	obr001	Christopher O'Brien	Employee Reimbursement	126.00
69664	12/27/17	pac001	Pace Analytical Services, Inc.	Water QM Staff-General	1,120.00
69665	12/27/17	pas002	Sage Passi	Employee Reimbursement	634.17
69666	12/27/17	pci001	PCi Roads, LLC	Payment #9	178,078.22
69667	12/27/17	pit002	Pitney Bowes, Inc.	Postage	142.47
69668	12/27/17	pra001	Prairie Moon Nursery, Inc.	Educational/Construct.-Maint.	593.50
69669	12/27/17	pre003	Premium Waters, Inc.	Utilities/Bldg. Contracts	19.00
69670	12/27/17	pro003	Lyndsey R. Provos	Employee Reimbursement	254.57
69671	12/27/17	qwe001	CenturyLink	Project Operations	222.95
69672	12/27/17	red002	Redpath & Company, Ltd	November Accounting	1,597.72

Ramsey Washington Metro Watershed Dist.
 Check Register
 For the Period From Dec 1, 2017 to Dec 31, 2017

Check #	Date	Payee ID	Payee	Description	Amount
69673	12/27/17	ros004	Roseville Midway Ford	Vehicle Maintenance	37.68
69674	12/27/17	ros004	Roseville Midway Ford	Vehicle Purchase	28,023.04
69675	12/27/17	sel001	Select Synthetics	Water QM Staff-General	125.00
69676	12/27/17	ski001	Pam Skinner	Manager Expense	248.24
69677	12/27/17	sod001	Nicole Soderholm	Employee Reimbursement	285.11
69678	12/27/17	som001	Eric Sommers	Employee Reimbursement	950.00
69679	12/27/17	sun001	Sunram Construction, Inc	Payment #5	5,362.50
69680	12/27/17	sup002	Superior Tent Rental, Inc.	Events	180.00
69681	12/27/17	tim002	Timesaver Off-Site Secretarial, Inc.	Committee/Board Meeting Expense	207.00
69682	12/27/17	tru001	Trupti & Erik Storlie	BMP Cost Share Program	1,154.20
69683	12/27/17	usb002	U.S. Bancorp	Monthly Credit Card	6,448.42
69684	12/27/17	usb003	US Bank St. Paul (2018)	Certificate of Participation	193,273.81
69685	12/27/17	usb005	US Bank Equipment Finance	Printing	285.67
69686	12/27/17	vla001	Dave Vlasin	Employee Reimbursement	104.24
69687	12/27/17	voy001	US Bank Voyager Fleet Sys.	Vehicle Fuel	189.56
69688	12/27/17	was002	Washington Conservation District	BMP Cost Share Program	842.50
Total					<u><u>\$803,192.55</u></u>

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From December 1, 2017 - December 31, 2017

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
12/11/17	EFT	hea002	HealthPartners			\$11,908.02	
				4040-101-000	Employee Benefits-General		8,344.56
				2015-101-000	Employee Health-General		3,563.46
12/14/17	69630	als001	ALS Group USA, Corp.	4530-101-000	Water QM Staff-General	650.00	
12/14/17	69631	hen002	Henriksen Ace Hardware	4670-101-000	Natural Resources Project-General	47.26	
12/14/17	69632	min012	MN Department of Agriculture	4338-101-000	Dues & Publications	20.00	
12/27/17	69633	ahl001	Paige Ahlborg			276.07	
				4040-101-000	Employee Benefits-General		238.62
				4020-101-000	Employee Expense-General		37.45
12/27/17	69634	all004	allstream	4650-101-000	Project Operations-General	60.42	
12/27/17	69635	att002	AT & T Mobility - ROC	4325-101-000	IT/Website/Software	45.23	
12/27/17	69636	aws001	AWS Service Center	4341-101-000	Janitorial/Trash Service	171.02	
12/27/17	69637	bar001	Barr Engineering			91,127.94	
				4121-101-000	Engineering Admin-General Fund		5,216.00
				4123-101-000	Engineering-Review		4,618.00
				4129-101-000	Project Feasability-General		2,559.68
				4129-101-000	Project Feasability-General		1,045.00
				4129-101-000	Project Feasability-General		1,939.39
				4129-101-000	Project Feasability-General		1,039.60
				4129-101-000	Project Feasability-General		2,596.50
				4128-520-000	Engineering-Flood Damage		7,859.50
				4128-520-000	Engineering-Flood Damage		6,856.50
				4520-101-000	WQM-Engineering		1,094.66
				4124-101-000	Eng.Permit Review-General		3,215.50
				4661-101-000	SLMP/TMDL Studies		400.00
				4695-101-000	Research Projects-General		1,375.00
				4650-101-000	Project Operations-General		2,111.00
				4128-550-000	Engineering-Frost/Kennard		4,217.50
				4128-518-000	Engineering-School/Commer Retrofit		1,592.50
				4128-518-000	Engineering-School/Commer Retrofit		966.00
				4695-101-000	Research Projects-General		897.00
				4682-529-000	BMP Cost Share Program		1,155.00
				4128-549-000	Engineering-Beltline/Battle Creek		29,129.50
				4128-519-000	Engineering -Dist.Office Solar Energy		284.00
				4128-516-000	Engineering-Projects Maint. & Repair		1,750.58
				4128-516-000	Engineering-Projects Maint. & Repair		687.50
				4128-516-000	Engineering-Projects Maint. & Repair		8,522.03

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From December 1, 2017 - December 31, 2017

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
12/27/17	69638	bar001	Bill Bartodziej			480.97	
				4040-101-000	Employee Benefits-General		268.00
				4350-101-000	Training & Education-General		24.65
				4020-101-000	Employee Expense-General		188.32
12/27/17	69639	bar004	Deborah Barnes			29.63	
				4040-101-000	Employee Benefits-General		20.00
				4020-101-000	Employee Expense-General		9.63
12/27/17	69640	bar007	Peter Barrett			3,881.25	
12/27/17	69641	blo001	Simba Blood			221.94	
				4040-101-000	Employee Benefits-General		40.00
				4670-101-000	Natural Resources Project-General		181.94
12/27/17	69642	bre003	Bremer Bank			6,468.75	
12/27/17	69643	bro003	Brooks Applied Labs			2,104.82	
12/27/17	69644	cad003	Cady Building Maintenance			605.00	
12/27/17	69645	cap001	Capitol Region Watershed District			163.27	
12/27/17	69646	car007	Carp Solutions, LLC			2,549.16	
12/27/17	69647	fle001	Flemings Auto Service			28.70	
12/27/17	69648	for002	Fortin Consulting, Inc.			5,000.00	
12/27/17	69649	gal001	Galowitz Olson, PLLC			5,906.00	
				4131-101-000	Attorney General-General		4,626.00
				4131-516-000	Attorney General-Maint. & Repair		800.00
				4131-520-000	Attorney-Flood Damage		480.00
12/27/17	69650	ger003	Carole Gemes			19.37	
12/27/17	69651	gil001	Gilbert Mechanical Contractors, Inc.			680.87	
12/27/17	69652	gru001	Gruber's Power Equipment			26.99	
12/27/17	69653	hub001	Michael Huber Architects			445.00	
12/27/17	69654	inn002	Innovative Office Solutions, LLC			99.32	
				4320-101-000	Office Supplies-General		13.82
				4320-101-000	Office Supplies-General		81.20
				4320-101-000	Office Supplies-General		4.30
12/27/17	69655	inn003	Innovational Concepts, Inc.			206.75	
12/27/17	69656	int001	Office of MN, IT Services			55.40	
12/27/17	69657	kor001	Eric Korte			293.55	
				4040-101-000	Employee Benefits-General		140.00
				4020-101-000	Employee Expense-General		153.55
12/27/17	69658	lea003	L. Tracy Leavenworth			868.87	
12/27/17	69659	mag004	Carrie Magnuson			521.77	
				4040-101-000	Employee Benefits-General		386.56
				4020-101-000	Employee Expense-General		115.23
				4365-101-000	Committee/Board Meeting Expense		19.98
12/27/17	69660	mel001	Michelle Melser			301.44	
				4020-101-000	Employee Expense-General		124.44
				4040-101-000	Employee Benefits-General		177.00

2018

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From December 1, 2017 - December 31, 2017

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
12/27/17	69661	nor011	Northland Trust Securities, Inc.	4708-526-000	Debt Services-Beltline	245,431.25	2018
12/27/17	69662	nsp001	Xcel Energy	4342-101-000	Utilities/Bldg. Contracts	1,990.95	
				4650-101-000	Project Operations-General		1,233.82
12/27/17	69663	obr001	Christopher O'Brien	4370-101-000	Educational Program-General	126.00	757.13
				4040-101-000	Employee Benefits-General		15.00
12/27/17	69664	pac001	Pace Analytical Services, Inc.	4040-101-000	Employee Benefits-General	1,120.00	111.00
				4530-101-000	Water QM Staff-General		249.00
				4530-101-000	Water QM Staff-General		381.00
				4530-101-000	Water QM Staff-General		241.00
				4530-101-000	Water QM Staff-General		249.00
12/27/17	69665	pas002	Sage Passi	4040-101-000	Employee Benefits-General	634.17	168.00
				4020-101-000	Employee Expense-General		259.17
				4372-101-000	Events		40.00
				4370-101-000	Educational Program-General		167.00
12/27/17	69666	pci001	Pci Roads, LLC	4630-549-000	Construction-Beltline/Battle	178,078.22	
12/27/17	69667	pit002	Pitney Bowes, Inc.	4330-101-000	Postage-General	142.47	
12/27/17	69668	pra001	Prairie Moon Nursery, Inc.	4370-101-000	Educational Program-General	593.50	57.50
				4630-516-000	Construction-Maint. & Rep.		536.00
12/27/17	69669	pre003	Premium Waters, Inc.	4342-101-000	Utilities/Bldg. Contracts	19.00	
12/27/17	69670	qwe001	CenturyLink	4040-101-000	Employee Benefits-General	254.57	174.24
				4020-101-000	Employee Expense-General		68.34
				4320-101-000	Office Supplies-General		11.99
12/27/17	69671	qwe001	CenturyLink	4650-101-000	Project Operations-General	222.95	
12/27/17	69672	red002	Redpath & Company, Ltd	4110-101-000	Auditor/Accounting	1,597.72	
12/27/17	69673	ros004	Roseville Midway Ford	4820-101-000	Vehicle Maintenance-General	37.68	
12/27/17	69674	ros004	Roseville Midway Ford	4810-101-000	Vehicle Lease-General	28,023.04	
12/27/17	69675	sel001	Select Synthetics	4530-101-000	Water QM Staff-General	125.00	
12/27/17	69676	ski001	Pam Skinner	4360-101-000	Manager Expense-General	248.24	
12/27/17	69677	sod001	Nichole Soderholm	4040-101-000	Employee Benefits-General	285.11	234.38
				4020-101-000	Employee Expense-General		50.73
12/27/17	69678	som001	Eric Sommers	4372-101-000	Events	950.00	
12/27/17	69679	sun001	Sunram Construction, Inc.	4682-518-000	BMP Cost Share Program	5,362.50	

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From December 1, 2017 - December 31, 2017

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
12/27/17	69680	sup002	Superior Tent Rental, Inc.	4372-101-000	Events	180.00	
12/27/17	69681	tim002	Timesaver Off-Site Secretarial, Inc.	4365-101-000	Committee/Board Meeting Expense	207.00	
12/27/17	69682	tru001	Trupti & Erik Storlie	4682-529-000	BMP Cost Share Program	1,154.20	
12/27/17	69683	usb002	U.S. Bancorp			6,448.42	
				4350-101-000	Training & Education-General		967.50
				4350-101-000	Training & Education-General		377.39
				4350-101-000	Training & Education-General		70.00
				4350-101-000	Training & Education-General		1,600.00
				4350-101-000	Training & Education-General		200.00
				4350-101-000	Training & Education-General		110.00
				4350-101-000	Training & Education-General		17.23
				4350-101-000	Training & Education-General		839.95
				4350-101-000	Training & Education-General		196.46
				4350-101-000	Training & Education-General		35.00
				4350-101-000	Training & Education-General		556.28
				4630-516-000	Project Operations-Maint. & Rep.		500.00
				4630-520-000	Project Operations-Flood Damage		500.00
				4325-101-000	IT/Website/Software		29.00
				4320-101-000	Office Supplies-General		16.76
				4343-101-000	Bldg./Site Maintenance		44.98
				4320-101-000	Office Supplies-General		35.35
				4325-101-000	IT/Website/Software		90.93
				4530-101-000	Water QM Staff-General		7.33
				4343-101-000	Bldg./Site Maintenance		69.00
				4530-101-000	Water QM Staff-General		36.17
				4630-516-000	Project Operations-Maint. & Rep.		36.16
				4320-101-000	Office Supplies-General		46.72
				4350-101-000	Training & Education-General		66.21
12/27/17	69684	usb003	US Bank-St. Paul	4700-585-000	Debt Service-Certificate of Participation	193,273.81	
12/27/17	69685	usb005	US Bank Equipment Finance	4335-101-000	Printing-General	285.67	
12/27/17	69686	vla001	Dave Vlasin			104.24	
				4040-101-000	Employee Benefits-General		56.09
				4020-101-000	Employee Expense-General		48.15
12/27/17	69687	voy001	US Bank Voyager Fleet Sys.	4830-101-000	Vehicle Fuel-General	189.56	
12/27/17	69688	was007	Washington Conservation District	4682-529-000	BMP Cost Share Program	842.50	
						<u>\$803,192.55</u>	

2018



**Summary of Professional Engineering Services During the Period
November 18, 2017 through December 15, 2017**

	Total Budget* (2017)	Total Fees to Date (2017)	Budget Balance (2017)	Fees During Period	District Accounting Code	Plan Imple- mentation Task Number
Engineering Administration						
General Engineering Administration	\$72,000.00	\$64,656.63	\$7,343.37	\$5,216.00	4121-101	DW-13
RWMWD Health and Safety/ERTK Program	\$2,000.00	\$1,280.00	\$720.00		4697-101	DW-13
Educational Program/Educational Forum Assistance	\$20,000.00	\$1,552.00	\$18,448.00		4698-101	DW-11
Engineering Review						
Engineering Review	\$50,000.00	\$38,943.05	\$11,056.95	\$4,618.00	4123-101	DW-13
Project Feasibility Studies						
Wakefield Park/Frost Avenue Stormwater Project- Project Planning with City Parks Department	\$30,000.00	\$1,109.81	\$28,890.19		4129-101	WL-1
Owasso Blvd and County Park Stormwater Retrofit	\$59,000.00	\$51,450.38	\$7,549.62	\$2,559.68	4129-101	DW-6
Aquifer Recharge Study Site Search and Feasibility Study	\$50,000.00	\$1,930.00	\$48,070.00		4129-101	DW-10
Owasso Basin Improvements Feasibility Study	\$30,000.00	\$2,119.50	\$27,880.50	\$1,045.00	4129-101	GC-3
Shoreview Lake Subwatershed Feasibility Study	\$8,000.00	\$3,372.89	\$4,627.11	\$1,939.39	4129-101	ShL-1
Roseville High School Campus Stormwater Retrofit (Bennett Lake Subwatershed)	\$30,000.00	\$1,797.00	\$28,203.00		4128-518	DW-6
Create an Emergency Response Plan for Owasso Lake	\$15,000.00	\$2,203.10	\$12,796.90	\$1,039.60	4129-101	LO-2
Battle Creek Targeted Subwatershed Study	\$10,000.00	\$10,571.00	-\$571.00	\$2,596.50	4129-101	BC-2
Strategic Monitoring of Atlas 14 Flood Prone Areas	\$11,000.00	\$13,320.15	-\$2,320.15		4129-101	DW-9
Snail Lake/Grass Lake Area Temporary Flood Response Ping	\$100,000.00	\$158,714.65	-\$58,714.65		4128-520	DW-9
Snail Lake/Grass Lake Optimization	\$47,000.00	\$67,899.22	-\$20,899.22	\$7,859.50	4128-520	DW-9
Grass Lake Berm Design, Bidding and Const Administration	\$105,400.00	\$84,546.52	\$20,853.48	\$6,856.50	4128-520	DW-9
Contingency	\$20,000.00	\$0.00	\$20,000.00			
GIS Maintenance						
GIS Maintenance	\$5,000.00	\$967.00	\$4,033.00		4170-101	DW-13
Monitoring Water Quality/Project Monitoring						
Lake Water Quality Monitoring (Misc QA/QC)	\$5,000.00	\$7,014.54	-\$2,014.54	\$1,094.66	4520-101	DW-2
Permit Processing, Inspection and Enforcement						
Permit Application Inspection and Enforcement	\$15,000.00	\$1,644.50	\$13,355.50		4122-101	DW-7
Permit Application Review	\$50,000.00	\$51,601.02	-\$1,601.02	\$3,215.50	4124-101	DW-7
Lake Studies/WRPPs/TMDL Reports						
2017 Grant Applications	\$30,000.00	\$1,470.00	\$28,530.00		4661-101	--
Tanners Flood Response Tool Model Update	\$5,000.00	\$1,177.00	\$3,823.00		4661-101	Tal-1
Macrophyte Harvesting Evaluation Study- Phase 2	\$25,000.00	\$25,271.00	-\$271.00		4695-101	KL-3
Kohlman TMDL Tracking (10 years into implementation plan)	\$15,000.00	\$807.50	\$14,192.50	\$400.00	4661-101	DW-2
Contingency for Lake Studies	\$25,000.00	\$0.00	\$25,000.00			--
Watershed Management Plan Update						
Watershed Management Plan Update	\$20,000.00	\$20,357.22	-\$357.22		4662-101	--
Research Projects						
New Technology Mini Case Studies (average 6 per year)	\$10,000.00	\$7,058.00	\$2,942.00		4695-101	DW-12
Modeling of 95% CI Limit Atlas 14 District-Wide (Climate Change Scenario) and Generation of Flood Maps for future outreach efforts	\$150,000.00	\$20,552.50	\$129,447.50		4695-101	DW-9
Kohlman Permeable Weir Test System Monitoring Plan	\$10,000.00	\$2,897.50	\$7,102.50		4695-101	DW-12
Maplewood Mall Monitoring	\$10,000.00	\$0.00	\$10,000.00		4520-101	DW-12
Summary of alternatives to alum treatment in shallow lakes.	\$5,000.00	\$3,520.00	\$1,480.00	\$1,375.00	4695-101	DW-12
Project Operations						
2017 Tanners Alum Facility Monitoring	\$20,000.00	\$13,835.32	\$6,164.68	\$2,111.00	4650-101	Tal-3
Capital Improvements						
Frost Kennard Spent Lime BMP	\$20,000.00	\$12,380.50	\$7,619.50	\$4,217.50	4128-550	WL-1
Commercial Sites Retrofit Projects 2017	\$75,000.00	\$0.00	\$75,000.00		4128-518	DW-6
School Sites Retrofit Projects 2017	\$75,000.00	\$47,949.53	\$27,050.47	\$1,592.50	4128-518	DW-6
Church Sites Retrofit Projects 2017	\$75,000.00	\$38,239.96	\$36,760.04	\$966.00	4128-518	DW-6
CMAC Project at Willow Pond (Bennett Lake Subwatershed)	\$30,000.00	\$23,533.99	\$6,466.01	\$897.00	4695-101	Bel-4
McKnight Basin Improvements (Battle Creek Subwatershed) Preliminary Design	\$30,000.00	\$0.00	\$30,000.00			BC-4
BMP Incentive Fund: General BMP Design Assistance and Review	\$30,000.00	\$29,511.50	\$488.50	\$1,155.00	4682-529	DW-6
BMP Incentive Fund: Faith-Based Organizations	\$20,000.00	\$7,849.50	\$12,150.50		4128-528	DW-6
Markham Pond Dredging	\$152,000.00	\$118,182.79	\$33,817.21		4128-551	KC-1
CIP Project Repair & Maintenance						
2017 Beltline Repairs Construction Services	\$360,000.00	\$299,518.32	\$60,481.68	\$29,129.50	4128-549	BELT-2
District Office Bldg Solar Energy Retrofit	\$20,000.00	\$8,337.00	\$11,663.00	\$284.00	4128-519	DW-13
Kohlman Lake Macrophyte Mgmt	\$5,000.00	\$273.00	\$4,727.00		4128-516	KL-3
Routine CIP Inspection and Unplanned Maintenance Identification	\$60,000.00	\$65,699.43	-\$5,699.43	\$1,750.58	4128-516	DW-5
2017 CIP Maintenance and Repairs	\$150,000.00	\$104,676.43	\$45,323.57	\$687.50	4128-516	DW-5
2018 CIP Maintenance and Repairs	\$90,000.00	\$32,470.90	\$57,529.10	\$8,522.03	4128-516	DW-5

*For projects carried over from previous years, the total budget reflects the total project budget, and not just the 2017 portion.

Subtotal

\$91,127.94

TOTAL PAYABLE FOR PERIOD 11/18/2017 - 12/15/2017

\$91,127.94

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

Application for Payment No. 9
Beltline and Battle Creek Repairs
Ramsey-Washington Metro Watershed District

Owner: Ramsey-Washington Metro Watershed District

Contractor: PCi Roads, LLC

Engineer: Barr Engineering, Co.

For work accomplished through the date of December 15, 2017

1.0	Completed to Date:	<u>\$1,730,909.53</u>
2.0	Less Previously Billed:	<u>\$1,541,592.23</u>
3.0	Amount Completed This Period:	<u>\$189,317.30</u>
4.0	Amount Previously Retained:	<u>\$154,159.22</u>
5.0	Amount Retained This Period (See Note 1):	<u>\$11,239.08</u>
6.0	Total Amount Retained:	<u>\$165,398.30</u>
7.0	Retainage Released Through This Period:	<u>\$0.00</u>
8.0	Less Total Retainage Remaining:	<u>\$165,398.30</u>
9.0	Less Amounts Previously Paid:	<u>\$1,387,433.01</u>
10.0	Amount Due This Estimate:	<u>\$178,078.22</u>

Note 1: The specifications require 10% to be retained up to 50% of the project costs.

CONTRACTOR'S Certification

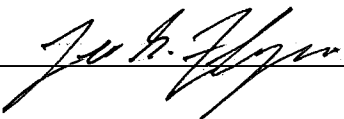
The undersigned CONTRACTOR certifies that: (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with Work covered by prior Applications for Payment numbered 1 through 8 inclusive; (2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all liens, claims, security interest and encumbrances (except such as are covered by Bond acceptable to OWNER indemnifying OWNER against any such lien, claim, security interest or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective as that term is defined in the Contract Documents.

SUBMITTED BY:

Name: Leo Flynn Date: 12/19/17

Title: Project Coordinator

Contractor: PCi Roads, LLC


Signature: 

RECOMMENDED BY:

Name: Nathan Campeau Date: December 20, 2017

Title: Project Engineer

Engineer: Barr Engineering Co.

Signature: 

APPROVED BY:

Name: Marj Ebensteiner Date: _____

Title: President

Owner: Ramsey-Washington Metro Watershed District

Signature: _____

Beltline and Battle Creek Repairs
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through December 15, 2017 for Progress Payment No. 9

Item	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	PCi Roads, LLC		(1) Total Completed This Period		(2) Total Completed Previous Periods		(3) Total Completed To Date	
				UNIT COST	EXTENSION	Quantity		Quantity		Quantity	
A	Mobilization	LS	1	\$ 280,000.00	\$ 280,000.00	0	\$0.00	0.928571	\$260,000.00	0.928571	\$260,000.00
B	Water Management	LS	1	\$ 5,000.00	\$ 5,000.00	0	\$0.00	0.7	\$3,500.00	0.7	\$3,500.00
C	Erosion Control	LS	1	\$ 35,000.00	\$ 35,000.00	0	\$0.00	0.625	\$21,875.00	0.625	\$21,875.00
D	Traffic Control	LS	1	\$ 25,000.00	\$ 25,000.00	0	\$0.00	0.625	\$15,625.00	0.625	\$15,625.00
E	Cold Joint Orientation Core Hole	EA	90	\$ 440.00	\$ 39,600.00	0	\$0.00	0	\$0.00	0	\$0.00
F	Crack Repair - Hydrophobic	LF	12500	\$ 65.00	\$ 812,500.00	1586.9	\$103,148.50	3196	\$207,740.00	4782.9	\$310,888.50
F	Crack Repair - Hydrophilic	LF	5000	\$ 65.00	\$ 325,000.00	0	\$0.00	3385	\$220,025.00	3385	\$220,025.00
G	Chemical Grout – Hydrophobic	GAL	3000	\$ 50.00	\$ 150,000.00	457	\$22,850.00	721	\$36,050.00	1178	\$58,900.00
G	Chemical Grout – Hydrophilic	GAL	1200	\$ 50.00	\$ 60,000.00	0	\$0.00	630	\$31,500.00	630	\$31,500.00
H	Concrete Surface Repair*	SF	13000	\$ 63.00	\$ 819,000.00	0	\$0.00	2030	\$127,890.00	2030	\$127,890.00
I	Cementitious Mortar Patch	EA	20	\$ 1,000.00	\$ 20,000.00	0	\$0.00	1	\$1,000.00	1	\$1,000.00
J	Manhole Steps	EA	391	\$ 84.00	\$ 32,844.00	93	\$7,812.00	163	\$13,692.00	256	\$21,504.00
K	Root Removal	LS	1	\$ 5,000.00	\$ 5,000.00	0	\$0.00	0	\$0.00	0	\$0.00
L	Encrustation Demolition and Disposal	LS	1	\$ 35,000.00	\$ 35,000.00	0	\$0.00	1	\$35,000.00	1	\$35,000.00
M	Precast Joint Repairs	LF	200	\$ 56.00	\$ 11,200.00	440.3	\$24,656.80	0	\$0.00	440.3	\$24,656.80
N	Rubble Removal (Station 14+94)	LS	1	\$ 5,000.00	\$ 5,000.00	0	\$0.00	0	\$0.00	0	\$0.00
N	Rubble Removal (Station 15+87)	LS	1	\$ 2,000.00	\$ 2,000.00	1	\$2,000.00	0	\$0.00	1	\$2,000.00
N	Rubble Removal (Station 89+76)	LS	1	\$ 2,000.00	\$ 2,000.00	0	\$0.00	0	\$0.00	0	\$0.00
N	Rubble Removal (Station 454+65)	LS	1	\$ 2,000.00	\$ 2,000.00	0	\$0.00	1	\$2,000.00	1	\$2,000.00
N	Rubble Removal (Station 454+94)	LS	1	\$ 2,000.00	\$ 2,000.00	0	\$0.00	1	\$2,000.00	1	\$2,000.00
O	Point Repair	EA	27	\$ 900.00	\$ 24,300.00	12	\$10,800.00	6	\$5,400.00	18	\$16,200.00
O	Point Repair (Station 50+61)	EA	1	\$ 1,585.00	\$ 1,585.00	0	\$0.00	0	\$0.00	0	\$0.00
O	Point Repair (Station 79+65)	EA	1	\$ 1,585.00	\$ 1,585.00	0	\$0.00	0	\$0.00	0	\$0.00
O	Point Repair (Station 446+15)	EA	1	\$ 1,585.00	\$ 1,585.00	0	\$0.00	1	\$1,585.00	1	\$1,585.00
O	Point Repair (Station 449+12)	EA	1	\$ 1,585.00	\$ 1,585.00	0	\$0.00	1	\$1,585.00	1	\$1,585.00
O	Point Repair (Station 44+97)	EA	1	\$ 1,585.00	\$ 1,585.00	0	\$0.00	0	\$0.00	0	\$0.00
P	Invert Repair (Station 63+92)	SF	15	\$ 1,000.00	\$ 15,000.00	0	\$0.00	0	\$0.00	0	\$0.00
P	Invert Repair (Station 450+94)	SF	64	\$ 500.00	\$ 32,000.00	0	\$0.00	78	\$39,000.00	78	\$39,000.00
Q	Uncover Manhole	EA	4	\$ 1,800.00	\$ 7,200.00	1	\$1,800.00	3	\$5,400.00	4	\$7,200.00
R	Adjust Manhole Height	EA	4	\$ 1,800.00	\$ 7,200.00	0	\$0.00	0	\$0.00	0	\$0.00
S	CCTV Inspection	LS	1	\$ 35,000.00	\$ 35,000.00	0	\$0.00	0	\$0.00	0	\$0.00
BASE BID TOTAL				\$ 2,796,769.00		\$173,067.30		\$1,030,867.00		\$1,203,934.30	

**Beltline and Battle Creek Repairs
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through December 15, 2017 for Progress Payment No. 9**

				PCi Roads, LLC		(1) Total Completed This Period		(2) Total Completed Previous Periods		(3) Total Completed To Date	
Item	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	EXTENSION	Quantity		Quantity		Quantity	
BID ALTERNATE #1: REINFORCEMENT STEEL											
Item	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	EXTENSION						
T	Reinforcement Seal - 6 in.	EA	264	\$ 12.00	\$ 3,168.00	0	\$0.00	0	\$0.00	0	\$0.00
T	Reinforcement Seal - 12 in.	EA	2197	\$ 24.00	\$ 52,728.00	0	\$0.00	0	\$0.00	0	\$0.00
T	Reinforcement Seal - 24 in.	EA	882	\$ 48.00	\$ 42,336.00	0	\$0.00	0	\$0.00	0	\$0.00
T	Reinforcement Seal - 36 in.	EA	252	\$ 70.00	\$ 17,640.00	0	\$0.00	0	\$0.00	0	\$0.00
BID ALTERNATE #1					\$ 115,872.00		\$0.00		\$0.00		\$0.00
TOTAL BASE BID PLUS BID ALTERNATE #1					\$ 2,912,641.00		\$173,067.30		\$1,030,867.00		\$1,203,934.30
CHANGE ORDER - ADDITIONAL ITEMS											
1-2	Deep Concrete Surface Repair*	SF	3,000	\$ 87.00	\$ 261,000.00	0	\$0.00	3000	\$261,000.00	3000	\$261,000.00
2-2	Beaver Lake Branch Deep Concrete Surface Repair Exceeding 3,000 SF	SF	0	\$ 63.00	\$ -	0	\$0.00	1831.75	\$115,400.25	1831.75	\$115,400.25
2-3	Repair a Void at Station 440+95	LS	1	\$ 14,600.00	\$ 14,600.00	0	\$0.00	1	\$14,600.00	1	\$14,600.00
3-1	Beaver Lake Branch Crack Sealing	LS	1	\$ 119,724.98	\$ 119,724.98	0	\$0.00	1	\$119,724.98	1	\$119,724.98
4-2	Additional Battle Creek Point Repairs	EA	23	\$ 650.00	\$ 14,950.00	25	\$16,250.00	0	\$0.00	25	\$16,250.00
SUBTOTAL CHANGE ORDERS					\$ 410,274.98		\$16,250.00		\$510,725.23		\$526,975.23
TOTAL BASE BID PLUS BID ALTERNATE #1, PLUS CHANGE ORDERS					\$ 3,322,915.98		\$189,317.30		\$1,541,592.23		\$1,730,909.53
RETAINAGE (10% Retainage, up to 50% of Work Completion)							\$11,239.08		\$154,159.22		\$165,398.30
TOTAL AMOUNT DUE:							\$178,078.22		\$1,387,433.01		\$1,565,511.23

*Change Order 1-2 results in an estimated reduction of Item H of 3,000 SF, for an estimated reduction of \$189,000. This results in an estimated net increase of \$72,000.

2017 School Sites BMP Retrofits
Progress Payment Number 5

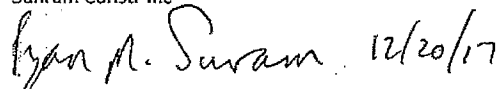
1 Completed to Date:	\$175,606.72		
2 Less Previously Billed:		\$170,244.22	
3 Amount Completed This Period:			\$5,362.50
4 Amount Previously Retained:		\$8,465.71	
5 Amount Retained This Period (See Note 1):		\$0.00	
6 Total Amount Retained (See Note 2):		\$8,465.71	
7 Retainage Released Through This Period:			\$0.00
8 Less Total Retainage Remaining:			
9 Less Amounts Previously Paid:	\$170,244.22		
10 Amount Due This Estimate:			\$5,362.50

Note 1: At rate of 10% until Completed to Date equals 50% of current Contract Price and a rate of 0% thereafter.

Note 2: Maximum amount is 5% of current Contract Price

SUBMITTED BY:

Name: Ryan Sunram Date: 12/20/2017
Title: President
Contractor: Sunram Constr Inc

Signature:  12/20/17

RECOMMENDED BY:

Name: Matt Kumka Date: 12/20/2017
Title: Project Manager
Engineer: Barr Engineering Company

Signature: 

APPROVED BY:

Name: Marj Ebensteiner Date: 1/3/2017
Title: President
Owner: Ramsey-Washington Metro Watershed District

Signature:

Central Park Elementary
Roseville
Contract Amount

Base Bid Items				Total Completed Through This Period			Total Completed Through This Period			Total Completed Through This Period			Total Completed Through This Period			Total Completed Through This Period		
				Invoice #1			Invoice #2			Invoice #3			Invoice #4			Invoice #5		
Item	Description	Unit	Estimated Quantity	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension
A	Mobilization/Demobilization/Traffic Control/Erosion Control	L.S.	1	\$3,400.85	1	\$3,400.85	\$3,400.85	0	\$0.00	\$3,400.85	0	\$0.00	\$3,400.85	0	\$0.00	\$3,400.85	0	\$0.00
D	Remove Concrete Curb and Gutter	L.F.	16	\$22.50	23	\$517.50	\$22.50	0	\$0.00	\$22.50	0	\$0.00	\$22.50	0	\$0.00	\$22.50	0	\$0.00
H	Remove Sod	S.Y.	268	\$1.30	268	\$348.40	\$1.30	0	\$0.00	\$1.30	0	\$0.00	\$1.30	0	\$0.00	\$1.30	0	\$0.00
I	Remove Tree (Greater than 6" DBH)	Each						0	\$0.00		0	\$0.00		0	\$0.00		0	\$0.00
L	Excavate, Haul, and Dispose	C.Y.	179	\$20.60	179	\$3,687.40	\$20.60	84	\$1,730.40	\$20.60	0	\$0.00	\$20.60	0	\$0.00	\$20.60	0	\$0.00
M	Grading	L.S.	1	\$1,100.00	1	\$1,100.00	\$1,100.00	0	\$0.00	\$1,100.00	0	\$0.00	\$1,100.00	0	\$0.00	\$1,100.00	0	\$0.00
N	Soil Loosening	S.Y.	223	\$0.45	223	\$100.35	\$0.45	0	\$0.00	\$0.45	0	\$0.00	\$0.45	0	\$0.00	\$0.45	0	\$0.00
O	Clean Sand	C.Y.	21	\$51.00	25	\$1,275.00	\$51.00	12	\$612.00	\$51.00	0	\$0.00	\$51.00	0	\$0.00	\$51.00	0	\$0.00
P	Planting Soil (12" depth- 75% Sand, 25% Leaf compost- MnDOT Grade II)	C.Y.	75	\$60.00	72	\$4,290.00	\$60.00	11	\$630.00	\$60.00	0	\$0.00	\$60.00	0	\$0.00	\$60.00	0	\$0.00
Q	Twice-Shredded Hardwood Mulch (3" depth)	C.Y.	19	\$45.00	9	\$405.00	\$45.00	1	\$45.00	\$45.00	0	\$0.00	\$45.00	5	\$225.00	\$45.00	0	\$0.00
U.1	Concrete Curb Cut & Small Splash Block Assembly	Each	2	\$1,700.00	2	\$3,400.00	\$1,700.00	0	\$0.00	\$1,700.00	0	\$0.00	\$1,700.00	0	\$0.00	\$1,700.00	0	\$0.00
	Limestone Retaining Wall	S.F.	194	\$34.00	194	\$6,596.00	\$34.00	0	\$0.00	\$34.00	0	\$0.00	\$34.00	0	\$0.00	\$34.00	0	\$0.00
X	4" Perforated (CPEP) Drain tile w/o sock (Underdrain)	L.F.	62	\$10.50	61	\$640.50	\$10.50	0	\$0.00	\$10.50	0	\$0.00	\$10.50	0	\$0.00	\$10.50	0	\$0.00
Y	4" Solid (CPEP) Drain tile w/o sock (Underdrain)	L.F.	10	\$13.50	11	\$148.50	\$13.50	0	\$0.00	\$13.50	0	\$0.00	\$13.50	0	\$0.00	\$13.50	0	\$0.00
Z	Drain tile Clean Out	Each	1	\$265.00	0	\$0.00	\$265.00	0	\$0.00	\$265.00	0	\$0.00	\$265.00	2	\$530.00	\$265.00	0	\$0.00
AA	Connect Drain tile to Catch Basin	Each	1	\$640.00	1	\$640.00	\$640.00	0	\$0.00	\$640.00	0	\$0.00	\$640.00	0	\$0.00	\$640.00	0	\$0.00
	Inlet Protection	Each	1	\$150.00	1	\$150.00	\$150.00	0	\$0.00	\$150.00	0	\$0.00	\$150.00	0	\$0.00	\$150.00	0	\$0.00
BB	Edging	L.F.	123	\$9.50	0	\$0.00	\$9.50	123	\$1,168.50	\$9.50	0	\$0.00	\$9.50	0	\$0.00	\$9.50	0	\$0.00
	Sod	S.Y.	12	\$7.50	0	\$0.00	\$7.50	0	\$0.00	\$7.50	0	\$0.00	\$7.50	0	\$0.00	\$7.50	75	\$562.50
#N/A	1.5" B&B Tree	Each	2	\$310.00	0	\$0.00	\$310.00	0	\$0.00	\$310.00	0	\$0.00	\$310.00	2	\$620.00	\$310.00	0	\$0.00
DD	#1 Cont. Perennial or Shrub (Furnish & Install)	Each	377	\$10.00	0	\$0.00	\$10.00	0	\$0.00	\$10.00	0	\$0.00	\$10.00	377	\$3,770.00	\$10.00	0	\$0.00
EE	#2 Cont. Shrub (Furnish & Install)	Each	11	\$27.00	0	\$0.00	\$27.00	0	\$0.00	\$27.00	0	\$0.00	\$27.00	11	\$297.00	\$27.00	0	\$0.00
SUBTOTAL				TOTAL	\$26,699.50	TOTAL	\$4,185.90	TOTAL	\$0.00	TOTAL	\$5,442.00	TOTAL	\$562.50					

Woodbury Elementary
Roseville
Contract Amount

Base Bid Items				Total Completed Through This Period			Total Completed Through This Period			Total Completed Through This Period			Total Completed Through This Period			Total Completed Through This Period		
Item	Description	Unit	Estimated Quantity	Invoice #1			Invoice #2			Invoice #3			Invoice #4			Invoice #4		
				Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension
A	Mobilization/Demobilization/Traffic Control/Erosion Control	L.S.	1	\$5,825.35	1	\$5,825.35	\$5,825.35	0	\$0.00	\$5,825.35	0	\$0.00	\$5,825.35	0	\$0.00	\$5,825.35	0	\$0.00
D	Remove Concrete Curb and Gutter	L.F.	16	\$22.50	16	\$360.00	\$22.50	0	\$0.00	\$22.50	0	\$0.00	\$22.50	0	\$0.00	\$22.50	0	\$0.00
	Remove Concrete Apron	Each	1	\$750.00	1	\$750.00	\$750.00	0	\$0.00	\$750.00	0	\$0.00	\$750.00	0	\$0.00	\$750.00	0	\$0.00
	Remove Draintile	L.S.	1	\$750.00	1	\$750.00	\$750.00	0	\$0.00	\$750.00	0	\$0.00	\$750.00	0	\$0.00	\$750.00	0	\$0.00
H	Remove Sod	S.Y.	1396	\$1.30	1396	\$1,814.80	\$1.30	0	\$0.00	\$1.30	0	\$0.00	\$1.30	0	\$0.00	\$1.30	0	\$0.00
I	Remove Tree (Greater than 6" DBH)	Each	2	\$500.00	2	\$1,000.00	\$500.00	0	\$0.00	\$500.00	0	\$0.00	\$500.00	0	\$0.00	\$500.00	0	\$0.00
L	Excavate, Haul, and Dispose	C.Y.	1033	\$18.00	1033	\$18,594.00	\$18.00	265.5	\$4,779.00	\$18.00	168.89	\$3,040.02	\$18.00	0	\$0.00	\$18.00	0	\$0.00
M	Grading	L.S.	1	\$1,100.00	1	\$1,100.00	\$1,100.00	0	\$0.00	\$1,100.00	0	\$0.00	\$1,100.00	0	\$0.00	\$1,100.00	0	\$0.00
N	Soil Loosening	S.Y.	763	\$0.45	763	\$343.35	\$0.45	0	\$0.00	\$0.45	0	\$0.00	\$0.45	0	\$0.00	\$0.45	0	\$0.00
O	Clean Sand	C.Y.	77	\$51.00	51	\$2,601.00	\$51.00	0	\$0.00	\$51.00	0	\$0.00	\$51.00	0	\$0.00	\$51.00	0	\$0.00
P	Planting Soil (12" depth- 75% Sand, 25% Leaf compost- MnDOT Grade II)	C.Y.	333	\$60.00	354	\$21,240.00	\$60.00	0	\$0.00	\$60.00	0	\$0.00	\$60.00	0	\$0.00	\$60.00	0	\$0.00
Q	Twice-Shredded Hardwood Mulch (3" depth)	C.Y.	116	\$45.00	58	\$2,610.00	\$45.00	12	\$540.00	\$45.00	0	\$0.00	\$45.00	60	\$2,700.00	\$45.00	0	\$0.00
	Rip Rap	Ton	6	\$95.00	6	\$570.00	\$95.00	0	\$0.00	\$95.00	2.64	\$250.80	\$95.00	0	\$0.00	\$95.00	0	\$0.00
T	Concrete Curb & Gutter	L.F.	8	\$42.00	8	\$336.00	\$42.00	0	\$0.00	\$42.00	0	\$0.00	\$42.00	0	\$0.00	\$42.00	0	\$0.00
U.1	Concrete Curb Cut & Small Splash Block Assembly	Each	1	\$1,700.00	1	\$1,700.00	\$1,700.00	0	\$0.00	\$1,700.00	0	\$0.00	\$1,700.00	0	\$0.00	\$1,700.00	0	\$0.00
X	4" Perforated (CPEP) Draintile w/o sock (Underdrain)	L.F.	232	\$10.50	232	\$2,436.00	\$10.50	0	\$0.00	\$10.50	0	\$0.00	\$10.50	0	\$0.00	\$10.50	0	\$0.00
Y	4" Solid (CPEP) Draintile w/o sock (Underdrain)	L.F.	9	\$13.50	10	\$135.00	\$13.50	0	\$0.00	\$13.50	0	\$0.00	\$13.50	0	\$0.00	\$13.50	0	\$0.00
Z	Draintile Clean Out	Each	1	\$265.00	0	\$0.00	\$265.00	0	\$0.00	\$265.00	0	\$0.00	\$265.00	4	\$1,060.00	\$265.00	0	\$0.00
AA	Connect Draintile to Catch Basin	Each	2	\$640.00	2	\$1,280.00	\$640.00	0	\$0.00	\$640.00	0	\$0.00	\$640.00	0	\$0.00	\$640.00	0	\$0.00
	Inlet Protection	Each	2	\$150.00	2	\$300.00	\$150.00	0	\$0.00	\$150.00	0	\$0.00	\$150.00	0	\$0.00	\$150.00	0	\$0.00
BB	Edging	L.F.	661	\$9.50	0	\$0.00	\$9.50	496	\$4,712.00	\$9.50	0	\$0.00	\$9.50	58	\$551.00	\$9.50	0	\$0.00
	Sod	S.Y.	12	\$10.00	0	\$0.00	\$10.00	0	\$0.00	\$10.00	0	\$0.00	\$10.00	0	\$0.00	\$10.00	480	\$4,800.00
#N/A	#1 Cont. Perennial or Shrub (Furnish)	Each	803	\$17.30	0	\$0.00	\$17.30	0	\$0.00	\$17.30	0	\$0.00	\$17.30	625	\$10,812.50	\$17.30	0	\$0.00
DD	#1 Cont. Perennial or Shrub (Furnish & Install)	Each	625	\$10.00	0	\$0.00	\$10.00	0	\$0.00	\$10.00	0	\$0.00	\$10.00	803	\$8,030.00	\$10.00	0	\$0.00
#N/A	1.5" B&B Tree	Each	5	\$310.00	0	\$0.00	\$310.00	0	\$0.00	\$310.00	0	\$0.00	\$310.00	5	\$1,550.00	\$310.00	0	\$0.00
EE	#2 Cont. Shrub (Furnish & Install)	Each	58	\$40.00	0	\$0.00	\$40.00	0	\$0.00	\$40.00	0	\$0.00	\$40.00	0	\$0.00	\$40.00	0	\$0.00
SUBTOTAL				TOTAL	\$63,745.50	TOTAL	\$10,031.00	TOTAL	\$3,290.82	TOTAL	\$24,703.50	TOTAL	\$4,800.00					

Roseville Middle School
Roseville
Contract Amount

Base Bid Items				Total Completed Through This Period			Total Completed Through This Period			Total Completed Through This Period			Total Completed Through This Period			Total Completed Through This Period		
Item	Description	Unit	Estimated Quantity	Invoice #1			Invoice #2			Invoice #3			Invoice #4			Invoice #5		
				Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension	Unit Price	Actual Quantity	Extension
A	Mobilization/Demobilization/Traffic Control/Erosion Control	L.S.	1	\$2,050.70	1	\$2,050.70	\$2,050.70	0	\$0.00	\$2,050.70	0	\$0.00	\$2,050.70	0	\$0.00	\$2,050.70	0	\$0.00
D	Remove Concrete Curb and Gutter	L.F.	8	\$22.50	8	\$180.00	\$22.50	0	\$0.00	\$22.50	0	\$0.00	\$22.50	0	\$0.00	\$22.50	0	\$0.00
H	Remove Sod	S.Y.	405	\$1.30	405	\$526.50	\$1.30	0	\$0.00	\$1.30	0	\$0.00	\$1.30	0	\$0.00	\$1.30	0	\$0.00
I	Remove Tree (Greater than 6" DBH)	Each	2	\$300.00	2	\$600.00	\$300.00	0	\$0.00	\$300.00	0	\$0.00	\$300.00	0	\$0.00	\$300.00	0	\$0.00
L	Excavate, Haul, and Dispose	C.Y.	175	\$20.60	175	\$3,605.00	\$20.60	120	\$2,472.00	\$20.60	0	\$0.00	\$20.60	0	\$0.00	\$20.60	0	\$0.00
M	Grading	L.S.	1	\$1,100.00	1	\$1,100.00	\$1,100.00	0	\$0.00	\$1,100.00	0	\$0.00	\$1,100.00	0	\$0.00	\$1,100.00	0	\$0.00
N	Soil Loosening	S.Y.	52	\$0.45	52	\$23.40	\$0.45	0	\$0.00	\$0.45	0	\$0.00	\$0.45	0	\$0.00	\$0.45	0	\$0.00
O	Clean Sand	C.Y.	17	\$51.00	25	\$1,275.00	\$51.00	12	\$612.00	\$51.00	0	\$0.00	\$51.00	0	\$0.00	\$51.00	0	\$0.00
P	Planting Soil (12" depth- 75% Sand, 25% Leaf compost- MnDOT Grade II)	C.Y.	15	\$60.00	72	\$4,290.00	\$60.00	10.5	\$630.00	\$60.00	0	\$0.00	\$60.00	0	\$0.00	\$60.00	0	\$0.00
Q	Twice-Shredded Hardwood Mulch (3" depth)	C.Y.	34	\$45.00	17	\$765.00	\$45.00	0	\$0.00	\$45.00	0	\$0.00	\$45.00	9	\$405.00	\$45.00	0	\$0.00
U.1	Concrete Curb Cut & Small Splash Block Assembly	Each	1	\$1,700.00	1	\$1,700.00	\$1,700.00	0	\$0.00	\$1,700.00	0	\$0.00	\$1,700.00	0	\$0.00	\$1,700.00	0	\$0.00
X	4" Perforated (CPEP) Draintile w/o sock (Underdrain)	L.F.	72	\$10.50	70	\$735.00	\$10.50	0	\$0.00	\$10.50	0	\$0.00	\$10.50	0	\$0.00	\$10.50	0	\$0.00
Y	4" Solid (CPEP) Draintile w/o sock (Underdrain)	L.F.	14	\$13.50	14	\$189.00	\$13.50	0	\$0.00	\$13.50	0	\$0.00	\$13.50	0	\$0.00	\$13.50	0	\$0.00
Z	Draintile Clean Out	Each	1	\$265.00	0	\$0.00	\$265.00	0	\$0.00	\$265.00	0	\$0.00	\$265.00	2	\$530.00	\$265.00	0	\$0.00
AA	Connect Draintile to Catch Basin	Each	1	\$640.00	1	\$640.00	\$640.00	0	\$0.00	\$640.00	0	\$0.00	\$640.00	0	\$0.00	\$640.00	0	\$0.00
	6" Sediment Log	L.F.	60	\$4.00	60	\$240.00	\$4.00	0	\$0.00	\$4.00	0	\$0.00	\$4.00	0	\$0.00	\$4.00	0	\$0.00
	Inlet Protection	Each	2	\$150.00	2	\$300.00	\$150.00	0	\$0.00	\$150.00	0	\$0.00	\$150.00	0	\$0.00	\$150.00	0	\$0.00
BB	Edging	L.F.	56	\$9.50	0	\$0.00	\$9.50	56	\$532.00	\$9.50	0	\$0.00	\$9.50	0	\$0.00	\$9.50	0	\$0.00
DD	#1 Cont. Perennial or Shrub (Furnish & Install)	Each	509	\$17.30	0	\$0.00	\$17.30	0	\$0.00	\$17.30	0	\$0.00	\$17.30	139	\$2,404.70	\$17.30	0	\$0.00
	#1 Cont. Perennial or Shrub (Furnish)	Each	430	\$17.30	0	\$0.00	\$17.30	0	\$0.00	\$17.30	0	\$0.00	\$10.00	430	\$4,300.00	\$10.00	0	\$0.00
EE	#2 Cont. Shrub (Furnish & Install)	Each	29	\$38.30	0	\$0.00	\$38.30	0	\$0.00	\$38.30	0	\$0.00	\$38.30	29	\$1,110.70	\$38.30	0	\$0.00
#N/A	1.5" B&B Tree	Each	3	\$310.00	0	\$0.00	\$310.00	0	\$0.00	\$310.00	0	\$0.00	\$310.00	3	\$930.00	\$310.00	0	\$0.00
SUBTOTAL				TOTAL		\$18,219.60	TOTAL		\$4,246.00	TOTAL		\$0.00	TOTAL		\$9,680.40	TOTAL		\$0.00

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

Page: 1
December 20, 2017
File No: 9M

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

	Balance
General Account	\$4,626.00
2017 CIP	\$800.00
Grass Lake Emergency Project	\$480.00
	<u>\$5,906.00</u>

* * * * *

Permit Program

* * * * *

Permit Application Coversheet

Date January 03, 2018

Project Name MnDOT Hwy 36 EB Ramp at I-35E

Project Number 18-01

Applicant Name Bryce Fossand, MnDOT

Type of Development Linear

Property Description

This project is located at the eastbound ramp to Hwy 36 from I-35E in the City of Little Canada. The applicant is proposing to reconstruct the existing ramp including installation of new storm sewer and lighting. The total site area is 3.1 acres. Volume reduction and rate control will be achieved through construction of a wet pond and filtration basin. Filtration is being proposed due to concerns with seepage.

Watershed District Policies or Standards Involved:

- Wetlands** **Erosion and Sediment Control**
 Stormwater Management **Floodplain**

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

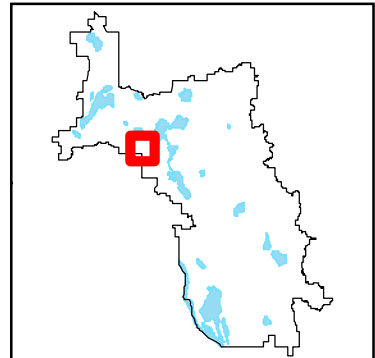
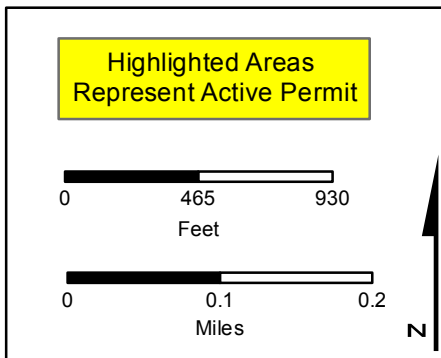
#18-01 MnDOT Hwy 36 EB Ramp at I-35E



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
	City Boundaries



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18-01

Special Provisions

1. The applicant shall submit a final copy of the signed construction plans.
2. The applicant shall provide contact information for the trained erosion control coordinator responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP).
3. The applicant shall submit a copy of the approved Minnesota Pollution Control Agency's NPDES Phase 2 Construction Permit.

Permit Application Coversheet

Date January 03, 2018

Project Name Twin City Hardware Expansion

Project Number 18-02

Applicant Name George Boomer, Jr., Twin City Hardware

Type of Development Commercial/Retail

Property Description

This project is located at 723 Hadley Avenue North in the City of Oakdale. The applicant is proposing an addition to the existing Twin City Hardware buildings with associated utilities and parking lot reconstruction. The total site area is 2.3 acres. Volume reduction and rate control will be achieved through construction of an infiltration basin and underground infiltration system. Pretreatment will include sumped inlets, an isolator row, and Rain Guardian structures for the above-ground basin.

Watershed District Policies or Standards Involved:

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

Water Quantity Considerations

The proposed stormwater management plan is sufficient 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.

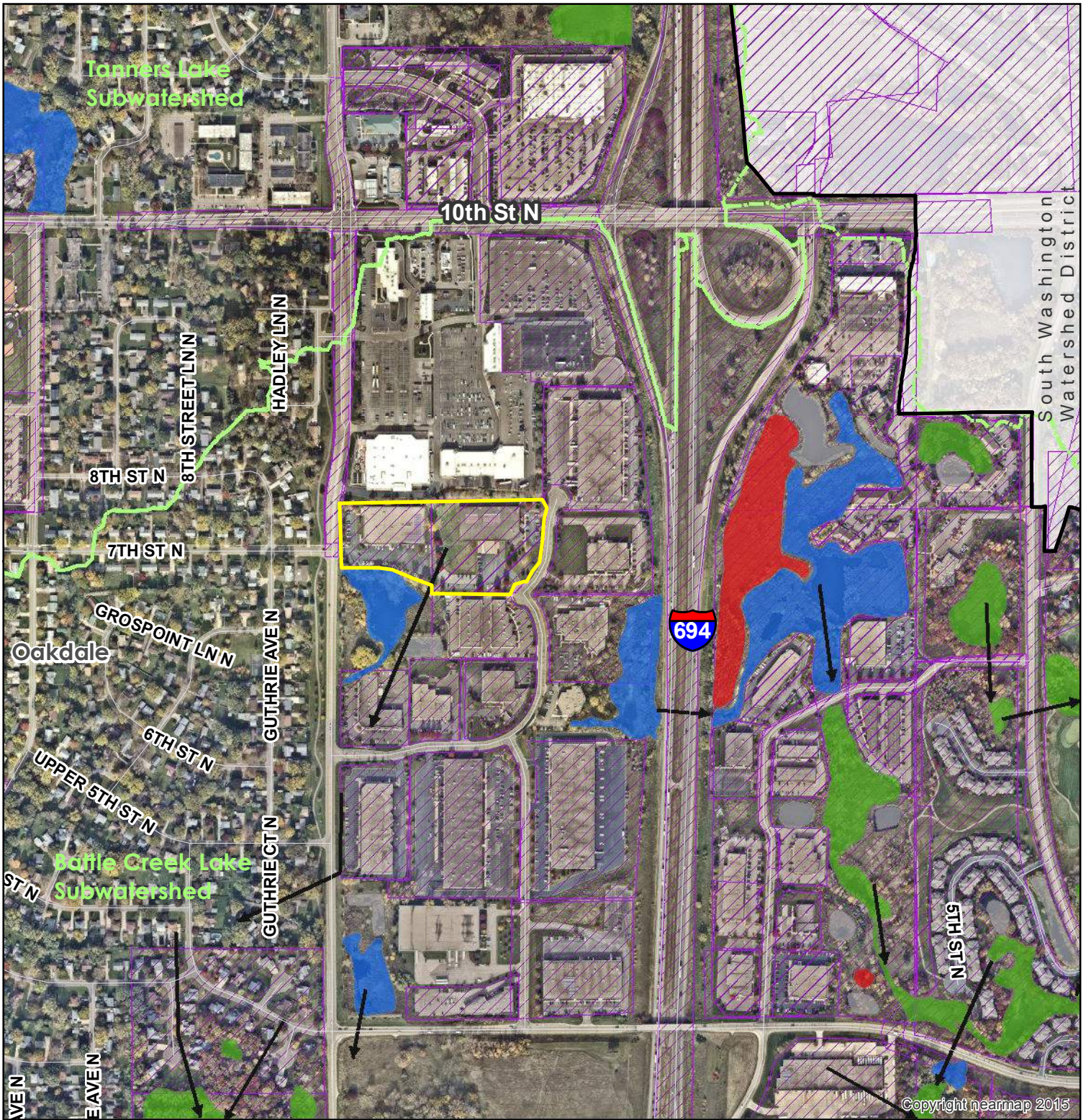
Staff Recommendation

Staff recommends approval of this permit with the special provisions.

Attachments:

- Project Location Map**
- Project Grading Plan**

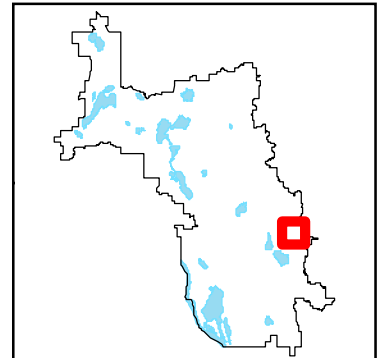
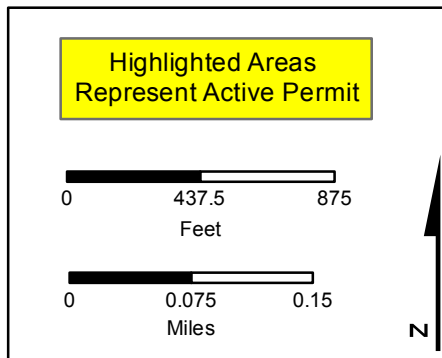
#18-02 Twin City Hardware Expansion



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
	City Boundaries



Copyright nearmap 2015

18-02

Special Provisions

1. The applicant shall submit the escrow fee of \$11,500.
2. The applicant shall submit a final copy of the signed construction plans.
3. The applicant shall submit an executed maintenance agreement for the proposed stormwater Best Management Practices.
4. The applicant shall submit a final copy of the geotechnical report.
5. The applicant shall submit a final Stormwater Pollution Prevention Plan (SWPPP) that lists the adjacent wetland in the 'Receiving Waters' section.
6. The applicant shall submit a copy of the approved Minnesota Pollution Control Agency's NPDES Phase 2 Construction Permit.
7. The applicant shall provide contact information for the trained erosion control coordinator responsible for implementing the SWPPP.

EROSION CONTROL NOTES

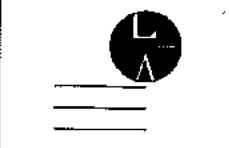
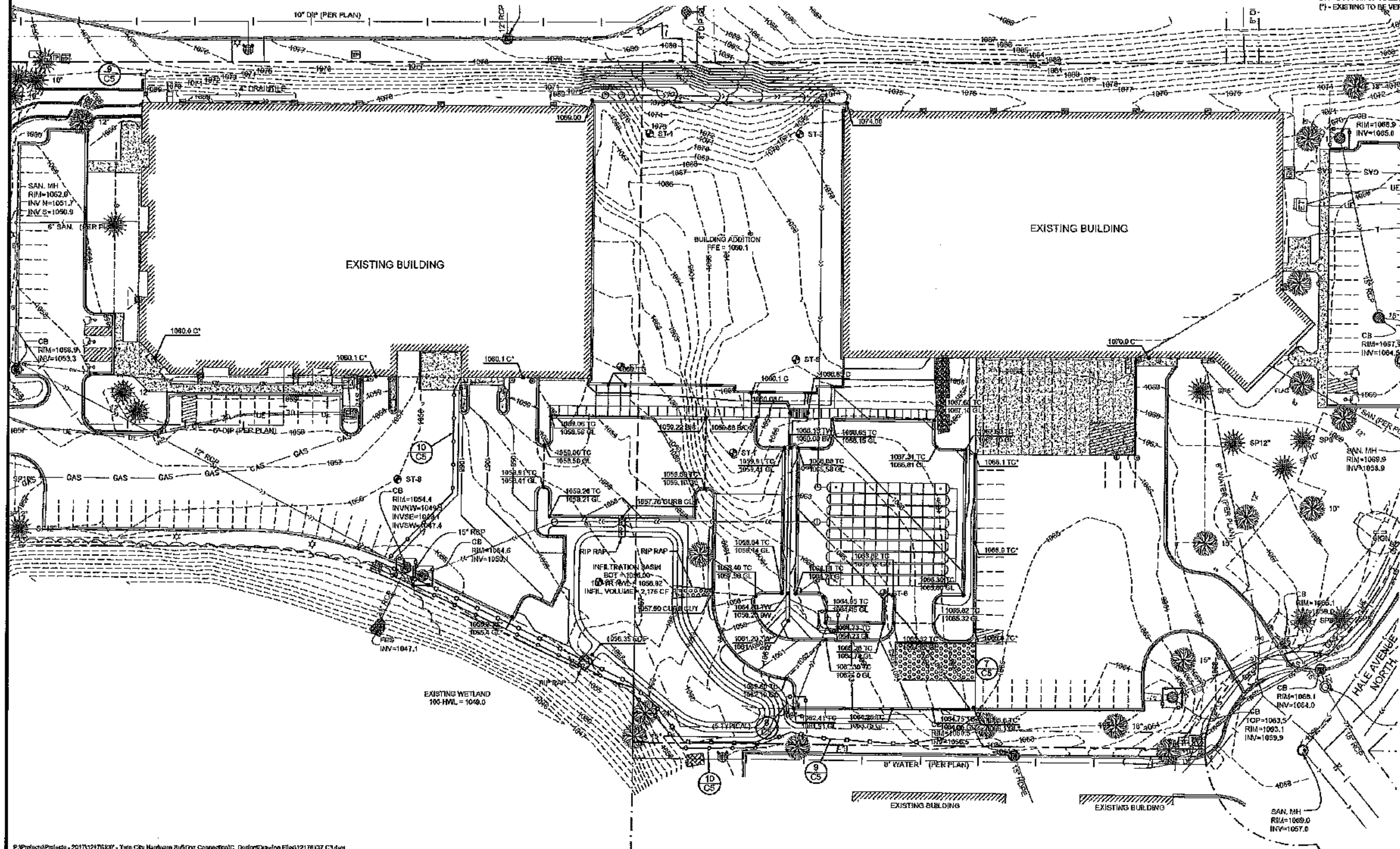
1. See Sheet C5 for Erosion Control Notes.

GRADING NOTES

1. Tree protection consisting of snare fence or safety fence installed at the drip line shall be in place prior to beginning any grading or demolition work at the site.
2. All elevations with an asterisk (*) shall be field verified. If elevations vary significantly, notify the Engineer for further instructions.
3. Grades shown in paved areas represent finish elevation.
4. Restore all disturbed areas with 4" of good quality topsoil and sod.
5. All construction shall be performed in accordance with state and local standard specifications for construction.
6. All proposed grades within ADA parking stalls and access aisles shall not exceed 2.0% in any direction.

LEGEND

- 950 --- EXISTING CONTOURS
 - 950 --- PROPOSED CONTOURS - MAJOR INTERVAL
 - 948 --- PROPOSED CONTOURS - MINOR INTERVAL
 - GRADE BREAKLINE
 - GRADE SLOPE
 - ← 2.0% --- SILT FENCE
 - BIO LOG
 - RIP-RAP / ROCK CONST. ENTRANCE
 - INLET PROTECTION
 - CONCRETE WASHOUT STATION
- SPOT ABBREVIATIONS:**
- TC - TOP OF CURB
 - GL - GUTTER LINE
 - B - BITUMINOUS
 - C - CONCRETE
 - TW - TOP OF WALL
 - BW - BOTTOM OF WALL (FG)
 - (*) - EXISTING TO BE VERIFIED



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 lamp@lmpert-arch.com

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 White Bear Lake, MN 55110
 651.481.9120 (T) 651.481.9201
 www.larsoneng.com

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I hereby certify that this plan, specifications 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.

Mark Woodliff
 Mark Woodliff, P.E.
 Date: 12.04.17 Reg. No.: 41885

**ADDITION FOR
 TWIN CITY HARDWARE
 723 HALE AVE N - OAKDALE, MN**

Project Designer: TJR
 Drawn By: TJR
 Checked By: BLW

Revisions
 12/12/17 WATERSHED SUBMITTAL
 12/20/17 WATERSHED RE-SUBMITTAL

**GRADING AND
 EROSION CONTROL
 PLAN**

Sheet Number

C3

Platename:



RAMSEY-WASHINGTON

METRO WATERSHED DISTRICT

MEMORANDUM

Date: January 3, 2018
To: Board of Managers and Staff
From: Nicole Soderholm, Permit Coordinator
Subject: December Enforcement Action Report

During December 2017:

Number of Violations:	3
Install/Maintain Perimeter Control	1
Install/Maintain Construction Entrance	1
Sweep Streets	1

Ongoing Activities:

Erosion/sediment control inspections have slowed considerably due to persistent freezing temperatures and a decrease in construction activity. Staff assisted engineers, local government, contractors, and developers with permitting and completed monthly permit review with Barr Engineering. Staff responded to inquiries on projects in the District and assisted applicants and city staff with Wetland Conservation Act (WCA) administration/procedures. Staff attended the annual MAWD conference in Alexandria, MN.

Project Updates:

Permit #15-37 MnDOT I-94 from Earl St to TH120, St. Paul

MnDOT proposed a sidewalk addition from Pedersen St to McKnight Road in order to accommodate ADA needs on the north side of Old Hudson Rd. This sidewalk section was not included in the original approval. The District engineer has verified the

additional impervious will not increase rates from the site. MnDOT is not required to treat additional stormwater since they have met the water quality cost cap for the project. The sidewalk will likely be constructed in the spring.

Permit #17-11 Little Canada 2017 SIP, Little Canada

During an inspection of a reconstructed residential roadway, it was observed that a rain garden originally noted on the plans had not been constructed. The city engineer informed District staff that the homeowner did not approve of the final design for the garden so it was eliminated from the project. The city will supply as-built plans and final volume reduction numbers before the permit can be closed.

Permit #17-18 Owasso Park Improvements, Shoreview

Tree clearing and placement of silt fence is complete on the north and south sections of Owasso Park. An initial inspection of the site was completed. Staff observed the silt fence required repair in a couple locations. The contractor was instructed to repair. Per the DNR's request, the boat launch is to remain open during construction. The county was notified that the contractor must be diligent about maintaining erosion and sediment control in this location. Staff will also inspect to ensure there are no adverse impacts to Lake Wabasso during construction.

Permit #16-35 Maplewood Alzheimer's Care Facility, Maplewood

Work is underway at the Maplewood Alzheimer's site on Beam Avenue near the Maplewood Mall. The contractor has completed installation of the underground filtration system. Staff completed an inspection of the site and notified the contractor of a potentially vulnerable area on the southeast corner of the site. While redundant perimeter control is in place adjacent to the existing wetland, steep slopes could cause problems during spring snowmelt. The contractor indicated they will monitor this location closely during thaw periods and stabilize the area with erosion blanket as soon as conditions allow. A landscaping contractor was scheduled to apply hydromulch to exposed stockpiles.

Permits Closed in December 2017:

17-10 Margaret Park Improvements, St. Paul



Permit Summary 2015-2017

	2015	2016	2017
Open Permits	99	95	92
Board-Approved Applications	40	37	33
ESC Inspections	208	296	351
Violations	138	170	301
Verbal Warnings	5	10	11
Surety Deductions	\$1,260	\$2,700	\$3,480
Non-Compliant Inspection Reports	21	45	58
Permits Closed	31	23	24

Common Violations

- Install/Maintain Inlet Protection*
- Install/Maintain Perimeter Control*
- Install/Maintain Construction Exit
- Sweep Streets
- Stabilize Exposed Soils
- Contain/Dispose of Liquid and Solid Wastes*
- Repair Erosion
- Remove Discharged Sediment
- Implement Proper Dewatering Practices
- Control Dust
- Maintain/Protect Permanent BMPs
- Install Up-Gradient BMPs
- Install Energy Dissipation
- Maintain Temporary Sediment Basin
- General Permit Violation (Admin/Recordkeeping)

*Indicates 3 most common violations observed in 2017

Trends/Observations

1. Permit applications slightly decreasing
2. Inspections increased with seasonal inspector intern (began in 2016)
3. 2017 had more violations in proportion to number of inspections completed
4. Verbal warnings low compared to number of inspections
5. Non-compliant reports (letter grade C or worse) relatively similar in proportion to number of inspections completed: between 10-17% of overall inspections

* * * * *

Stewardship Grant Program

* * * * *

Stewardship Grant Program Budget Status Update

January 3, 2018

Homeowner	Coverage	Number of Projects	Funds Allocated
Habitat Restoration and rain garden w/o hard surface drainage	50% Cost Share \$15,000 Max	0	\$0
Rain garden w/hard surface drainage, pervious pavement, green roof	75% Cost Share \$15,000 Max	0	\$0
Shoreland Restoration (below 100-year flood elevation w/actively eroding banks)	100% Cost Share \$15,000 Max	0	\$0

Commercial, School, Government, Church, Associations, etc.	Coverage	Number of Projects	Funds Allocated
Habitat Restoration	50% Cost Share \$15,000 Max	0	\$0
Shoreland Restoration (below 100-year flood elevation w/actively eroding banks)	100% Cost Share \$100,000 Max	0	\$0
PRIORITY AREAS:	100% Cost Share \$100,000 Max	0	\$0
NON-PRIORITY AREAS:	75% Cost Share \$50,000 Max	0	\$0
Maintenance	50% Cost Share \$5,000 Max for 5 Years	0	\$0
Total Allocated			\$0

2018 Stewardship Grant Program Budget	
Budget	\$800,000.00
Total Funds Allocated	\$0
Funds Allocated for Grant Match	\$0
Consultant Fees	\$0
Total Available Funds	\$800,000.00

* * * * *

Action Items

* * * * *

Request for Board Action

Board Meeting Date: January 3, 2018

Agenda Item No: 8A

Preparer: Tina Carstens, Administrator

Item Description: Frost-Kennard Spent Lime Project Bid Award

Background:

In 2016, the District applied for a Clean Water Fund grant from the BWSR and received \$300,000 to complete a full-scale spent lime treatment BMP in the Wakefield subwatershed. The District has been working with the City of Maplewood on the plans for the BMP on the southwest corner of Frost Avenue and Kennard Street on a city-owned parcel of land. The neighboring properties were sent two notices regarding the project and no comments were received pertaining to the spent lime treatment BMP. The project was also presented to the city's environmental commission. The District Board approved the plans and directed staff to finalize an agreement with the City of Maplewood for the project prior to bidding the project. That agreement is complete and the project was bid this last month.

Bidding for the Frost-Kennard project closed on December 15, with multiple competitive bids received. Bidding results will be presented for consideration at the Board Meeting. Staff recommends awarding the project to the lowest responsive and responsible bidder who the Board deems will be in the best interest of the project. After the Board makes an award at the January meeting, a notice-to-proceed letter will likely be issued in February and construction will occur in the spring.

Applicable District Goal and Action Item:

Goal: Achieve quality surface water: The District will maintain or improve surface water quality to support healthy ecosystems and provide the public with a wide range of water-based benefits.

Action Items: Expand use of innovative water quality improvement methods as necessary to address sites with limited land area for conventional treatment techniques.

Staff Recommendation:

Staff recommends that the Board award the project to the responsive bidder whose bid was the lowest and whose involvement would be in the best interest of the District. Staff also recommends the Board direct staff to prepare and mail the Notice of Award, prepare the draft agreement and request and review the required submittals.

Financial Implications:

The District received a Clean Water Fund grant in the amount of \$300,000 with a District match of \$75,000 that is included in the 2018 budget.

Board Action Requested:

Accept the bids and award the Frost-Kennard Spent Lime Project to _____. Direct staff to prepare and mail the notice of award, prepare the draft agreements and review the required submittals.

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Administrator's Report

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MEMO

TO: Board of Managers and Staff
FROM: Tina Carstens, Administrator
SUBJECT: January Administrator's Report
DATE: December 28, 2017

A. Meetings Attended

Wednesday, November 29	ALL DAY	MAWD Annual Meeting – ADA
Thursday, November 30	ALL DAY	MAWD Annual Meeting
Friday, December 1	ALL DAY	MAWD Annual Meeting
Wednesday, December 6	6:30 PM	Board Meeting
Friday, December 8	1:00 PM	DNR Flood Mapping Project Meeting
Wednesday, December 13	8:00 AM	Water Resources Conference Planning
Thursday, December 14	11:00 AM	Administrators Meeting
Tuesday, December 19	10:00 AM	Meeting with Manager Ward
	11:30 AM	Office Holiday Party
Wednesday, December 20	9:00 AM	Audit Prep Meeting w/Redpath

B. Upcoming Meetings and Dates

Phalen Freeze Fest	Saturday, February 17, 2018
WaterFest	Saturday, June 2, 2018

C. Website Update

December 29th is the deadline to deliver our website content to Windmill Design. They are working to build all of the website pages for an anticipated launch date of January 25th. Between now and then we will update our archives in order to make sure we have saved all the content from our current website. Our team will also receive WordPress training so that they can modify and update the new site once it is live. The first session is January 11.

D. February Annual Meeting Reminder

The District Annual Meeting is typically held at the February Board Meeting. At this meeting we review the general performance of the District; staff, consultants and manager interactions. We can discuss any issues or concerns and also reflect on accomplishments.

The annual meeting also requires the election of officers and the designation of official newspapers and banks. Every two years the District is required to solicit interest proposals for our engineering, accounting and attorney services. The deadline to receive letters of interest is January 10, 2018. All that are received will be included in the February board packet for your information as you make the annual selection.

I would like to be sure that we will have a full board at the February meeting, if possible, so if you have any known conflicts let me know. Thank you!

My administrator's annual review is typically held in January prior to the annual meeting. Manager Aichinger is the Vice President and, therefore, also the Board's designated personnel manager. We can talk at the January meeting regarding availability to meet and the process for this year's review.

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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 - January 2018
Date: December 28, 2017

Project Feasibility Studies

Snail Lake/Grass Lake optimization study and berm raise project (Barr project manager: Brad Lindaman; RWMWD project manager: Tina Carstens)

The purpose of this study is to evaluate the potential for optimization of the existing Snail Lake/Grass Lake system (from Snail Lake to Grass Lake to Highway 694), with the goal of lowering flood levels in the system's water bodies in order to reduce the flood risk to habitable structures and lessen the impacts to surrounding properties.

As discussed last month, the bidding of the Grass Lake berm raise project closed on December 5, 2017 and staff presented the bids to the Board at the December 6 meeting. Fitzgerald Construction received the award and a pre-construction meeting is scheduled for January 10, 2018. Staff is currently reviewing the required submittals and finalizing the permitting effort. The work does impact nearby wetland areas, so, mitigation is required. Currently, staff does not believe the wetland permitting requirements will be substantial, nor will it delay the project. Construction is expected to begin in mid-January.

In addition, early in 2018 staff will begin the two follow-up studies authorized by the Board at the December meeting. Elements of the CIP Maintenance and Repairs 2018 project that are associated with the Grass Lake area are expected to begin in January.

Staff will provide monthly updates with each the efforts mentioned above in the upcoming months.

Owasso Boulevard and Owasso County Park stormwater retrofit (Barr project manager: Matt Metzger; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to assist the City of Shoreview Public Works and Ramsey County Parks with creating a holistic, "living streets" retrofit design for North Owasso Road and best management practice (BMP) design for new parking lots in Owasso County Park. For this phase of design, the focus of BMP placement and design for Owasso Road is limited to the section within the park.

This project is a partnership between the RWMWD, City of Shoreview, and Ramsey County Parks and will be implemented in two phases. Phase 1 (2017-2018) consists of Lake Owasso Park improvements and is led by Ramsey County Parks. Phase 2 (2019-2020), led by the City of Shoreview, consists of reconstruction of Owasso Boulevard and additional improvements to Lake Owasso Park. The RWMWD has developed a stormwater master plan for the project.

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Arndt Construction began work on Phase 1 construction in December. The next phase of this project will begin in 2018, when the City of Shoreview begins its Owasso Boulevard planning process for the 2019-2020 work on the roadway. Looking forward, Phase 2 leadership of the construction project will shift from Ramsey County Parks and Recreation to the City of Shoreview and the street and park reconstruction planning work will commence.

Shoreview Lake subwatershed feasibility study (Barr project manager: Erin Anderson Wenz; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to evaluate retrofit BMP opportunities in the Shoreview Lake subwatershed to reduce the phosphorus load to the lake, as it is considered to be “at risk” of impairment.

This period, staff finalized the draft technical memorandum of the Shoreview Lake Subwatershed Study. In this small subwatershed, staff has identified a potential rain garden site at Island Lake Elementary School on the west side of the lake. Other parts of the subwatershed consist of townhomes and apartment buildings that are largely low-lying, thus limiting opportunities.

The District has added the Island Lake Elementary School site to the list of future school-site opportunities and will include it in forthcoming outreach efforts. This period, Barr summarized the methodology and submitted to District staff for final review.

Battle Creek subwatershed feasibility study (Barr project manager: Erin Anderson Wenz; RWMWD project manager: Tina Carstens)

The purpose of this study is to find cost effective BMPs to address the Battle Creek TMDL.

This period, staff drafted the technical memorandum that describes the feasibility study conducted for BMPs in the Battle Creek Subwatershed. For this study, staff considered several BMPs that would reduce the total suspended solids (TSS) load to the creek and assessed their effectiveness relative to their cost. As you may recall, Battle Creek is impaired due to excess sediment load and its current levels creates a condition that stresses fish and macroinvertebrates in the creek.

Staff is recommending that the next step be a more detailed monitoring of the creek for TSS at several specific points along the creek. This enhanced monitoring will better pinpoint the locations and more specific BMPs. This is particularly important since some conditions in the subwatershed have changed since the monitoring that landed the creek on the MPCA’s Impaired Waters List.

At this point, the P8 water quality modeling of the subwatershed has been helpful in generally estimating loads and locating some BMPs. But, given the scale and cost of the BMPs, enhanced monitoring in 2018 will produce a more targeted approach that is expected to be more cost-effective in the end.

Capital improvements

Willow Pond CMAC Project (Barr project manager: Erin Anderson Wenz; RWMWD project manager: Tina Carstens)

The purpose of this study is to evaluate the feasibility of using continuous monitoring and control (CMAC) technology.

During this period, staff continued its design for the filtration system that will receive CMAC-diverted flows from Willow Pond, treating the diverted water before reaching Bennett Lake. As you may recall, Bennett Lake is impaired from excess phosphorus.

The survey and wetland delineation work for the area is complete. Also, recently staff began developing renderings of the project to share with the City of Roseville and area residents to illustrate what the system could look like. Development of final plans and specifications and construction of the CMAC filtration system are expected to occur in the spring and summer of 2018.

BMP incentive fund: general BMP design assistance and review (Barr project manager: Matt Kumka; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to respond to requests for assistance to find cost-share opportunities from RWMWD partners and to seek out opportunities for cost-share projects throughout the RWMWD.

Mobile interface and data entry functionality have been created for the updated commercial and school sites' geographic information systems (GIS) mapping. This will help staff to better identify possible BMP locations on these types of properties.

Staff have begun using the GIS database and tools to investigate commercial and school sites for potential locations for water quality BMPs. After screening the initial list of possible sites in early 2018, we will prioritize the sites based on numerous site conditions, including watershed priority areas, and recommend general construction opportunities for 2018.

CIP project repair and maintenance

Beltline and Battle Creek tunnel repair construction services (Barr project manager: Nathan Campeau; RWMWD project manager: Dave Vlasin)

The purpose of this project is to perform ongoing maintenance and repairs of the Beltline tunnel system to significantly increase the service life of the tunnel.

During this period, PCiRoads performed repairs in the Beltline mainline and Battle Creek drilling ports, performing crack injection with chemical grout, chipping around exposed reinforcement for sealing, and performing concrete joint and point repairs. During the next period, PCiRoads plans to continue crack injection and perform concrete surface repairs in the mainline and Mississippi branches. Also during this period, staff coordinated a site visit and tunnel walk-through for the Managers. Substantial completion is expected in March 2018.

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CIP maintenance/repairs 2018 project (Barr project manager: Greg Nelson; RWMWD project manager: Dave Vlasin)

The purpose of this project is to maintain the 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 MS4 requirements.

Notice of award was prepared and issued to Fitzgerald Excavating & Trucking, Inc. in November. A preconstruction meeting was held on Friday, December 15, and a “notice-to-proceed” letter was provided to the contractor shortly thereafter. Work is expected to begin prior to the January Board meeting.

Natural Resources Update – Bill Bartodziej and Simba Blood

Keller Golf Course – MAWD Award recognition

We are very pleased to report that Keller Golf Course received a good amount of local, national and international press after receiving the MAWD Project-of-the-Year Award. It seems that the golf course industry really grabbed ahold of the news and made it a front cover story. We were also thrilled when Audubon International tweeted about Keller receiving the award, and had an article about Keller on the front page of their website. It's great that the word is out and we really have the potential of Keller being used as an example of what can be done with golf course design, ecological restoration, and innovative watershed management.

Here are a few “clips” from golf course superintendent websites and the Audubon tweet:

[Back to list](#)

TWIN CITIES GOLF COURSE EARNS STATEWIDE AWARD FOR WATERSHED CONSERVATION

06 Dec 2017 8:33 AM | [Jack Mackenzie](#) (Administrator)

Alexandria, MN – Ecological restoration work on Maplewood's Keller Golf Course earned Project of the Year honors from the Minnesota Association of Watershed Districts at the organization's annual meeting held Dec. 1 in Alexandria. Staff from the Ramsey-Washington Metro Watershed District (RWMWD) and Course Superintendent Paul Diegnau accepted the award, recognizing a 15-year partnership that has created substantial urban wildlife habitat while protecting local waters from runoff.

RWMWD first began working with Diegnau in 2003 by providing technical and financial support to install a natural vegetative buffer around a water hazard, an innovative practice at the time. In 2012, the course underwent a \$12 million dollar renovation and was closed for two years while fairways and greens were being worked on. This provided an opportunity for a large-scale \$250,000 ecological restoration project funded by RWMWD, Ramsey County and the Minnesota Board of Water and Soil Resources.

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Keller Golf Course earns statewide award for watershed conservation

By Golfdom Staff | December 6, 2017

0 Comments

Ecological restoration work on Maplewood's (Minn.) Keller Golf Course earned Project of the Year honors from the Minnesota Association of Watershed Districts at the organization's annual meeting held Dec. 1 in Alexandria, Minn. Staff from the Ramsey-Washington Metro Watershed District (RWMWD) and Course Superintendent Paul Diegnau accepted the award, recognizing a 15-year partnership that has created substantial urban wildlife habitat while protecting local waters from runoff.



Keller GC Superintendent Paul Diegnau and staff from the Ramsey-Washington Metro Watershed District

GOLF COURSE MANAGEMENT BOOKS by Karl Danneberger

Golf Course Management Winter Injury Turfgrasses

GOLF COURSES AND OTHER ACTIVITIES

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Minnesota course lauded for ecological work

Keller Golf Course receives Project of the Year honors from the Minnesota Association of Watershed Districts.

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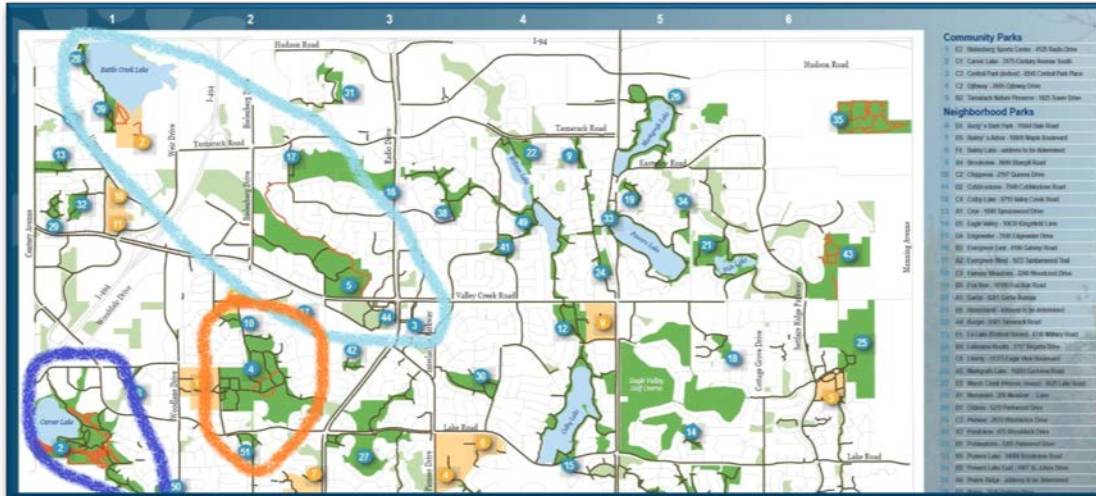
 **Audubon Int'l** @AudubonIntl · 14h ▾
Congrats to **Keller Golf course**, certified ACSP since 2008, in @RamseyCounty Minnesota for their recognition by the Minnesota Association of Watershed Districts. What a great example of the difference ecological restoration can make in the game of **golf!**

 Minnesota course lauded for ecological work - Golf Cou...
golfcourseindustry.com

🗨️ 2 ↻️ 6 ❤️ 7 📧

Public Involvement and Education Program – Sage Passi

Outreach/ Engagement in Woodbury – Planning Collaboratively for 2018 and Beyond



The circled areas in Woodbury represent “matrices” that are preliminary, high priority, targeted areas for Pollinator, Habitat, Clean Water and engagement projects based on Board of Water and Soil Resources data and discussions amongst community educators, city and Blue Thumb staff, volunteers and University graduate student, Jun Tang.

RWMWD staff (Sage, Chris and Paige) met on December 7th with Master Water Stewards, Stephanie Wang and Anna Barker, EMWREP (East Metro Water Resources Education Program) coordinator Angie Hong from Washington Conservation District and Master Naturalist, Dana Boyle to discuss opportunities to work collaboratively on watershed outreach and education in 2018. This meeting precipitated another gathering of stakeholders and resource people at Woodbury City Hall on December 13th, organized by Anna Barker, to focus on developing goals and plans for activities and initiatives. Sage Passi, Anna Barker, Stephanie Wang, Angie Hong, Kristin Seaman, (City of Woodbury), Deirdre Coleman (Freshwater Society), Julie Drennen (Conservation Minnesota), Becky Rice and Jun Tang (Metro Blooms) and several resident volunteers participated in the brainstorming session.

Giving a presentation was Jun Tang, a U of M graduate student and staff at Metro Blooms who worked with BWSR for six months to develop a system for evaluating areas for their capacity to make an impact in re-establishing viable pollinator corridors, provide stormwater enhancement and community engagement potential. BWSR is studying how to be most effective in terms of site selection and project design for habitat enhancement and BMPs. At Metro Blooms, Jun is assisting Blue Thumb with strategies for targeting their Planting for Clean Water and Pollinators campaign. The value of the matrix is to identify areas that are the “sweet spots” for projects to maximize pollinator habitat at a cost effective level. Using this tool, Metro Blooms/Blue Thumb, as well as other landscape consulting firms and the city, can provide advice on landscape design that prioritizes size, location and distance between habitat and planting areas.

Washington and Dakota counties are the initial testing grounds for this matrix development.

Base maps and algorithms are used to determine the most logical and efficient locations in an area of any size to target for installing green infrastructure to serve as pollinator and wildlife habitat and clean water BMPs. This matrix concept factors in distance from high quality habitat, suitability of landscape changes and locations and efforts that may be best received by residents. The goal is for 17% engagement, which is the "tipping point". As Jun states, "Generating maps like these helps to make planning decisions and can aid in getting property owners on board by showing them how important their land care decisions can be." The maps that are generated can be fed with information from watershed, city and county BMP data bases and Blue Thumb's Pledge to Plant for Clean Water and Pollinators campaign.



Action Steps recommended from the December 14 meeting:

1. Retrofit of rain gardens and ponds at Stafford Library in Woodbury. Explore new ways to publicize (use of drone and GoPro cameras) to help the public understand the flow of water as it goes across Radio Drive into the wetland next to City Hall, down to Trinity Presbyterian's rain gardens and into Tamarack Nature Preserve. Interface with Central Park's future renovation. Develop opportunities to do outreach and education at Stafford Library.



2. Share the space at Woodbury Expo April 8, 2018, with Washington County Master Gardeners to promote community efforts for enhancing Water Quality and Pollinator habitat. Develop other workshops and outreach activities as time permits. Promote and participate in the Landscape Revival in Oakdale on June 9.
3. Engage with the City of Woodbury in their new efforts to develop and restore designated areas on the Greenway Corridor, starting with Windwood Passage and Carver Lake and Ojibway Community Parks. Promote the Adopt-A-Park Program.
4. Do a Hike/Bike Tour coordinated with the kick-off of a new Woodbury THRIVES Wellness Challenge on May 18 that incorporates the new Woodbury Elementary rain gardens. Put existing BMPs "on the map" on Woodbury's new trail map and involve Woodbury Elementary and Middle School students on the bike tour and visit Battle Creek Lake, neighborhood BMPs, Central Park and Tamarack Nature Preserve.

5. Friends of the Fen, a neighborhood group organized by Master Water Stewards and Master Naturalists will continue to foster collaboration with Evergreen Townhome’s residents and the Woodbury community in the education, preservation and maintenance of Tamarack Nature Preserve. They will encourage more community stewardship through volunteer recruitment, promotion of the I-Naturalist App, videos and train the trainer tours and events. Below is a link to a video clip produced by Bob McSherry from South Washington County Telecommunications Commission who was asked to document a tour there in July. He offered to share the footage that he shot with the Watershed which could be edited to create other educational clips about Tamarack Nature Preserve and used to provide training for tour leaders or other purposes.
<https://www.youtube.com/watch?v=Md54CfkTBnQ>
6. Connect RWMWD Master Water Stewards with Washington County Master Gardeners, Master Naturalists and Washington County’s new cohort of Master Water Stewards to foster sharing of ideas, strategies and watershed initiatives. A potluck will be held in mid-January.

Fostering Partnerships with the City of Roseville Parks Department



This fall, students in the Environmental Sciences Policy and Management capstone course taught by U of M Extension Professor

Gary Johnson gathered and synthesized information to help Roseville make progress in the arenas of Greenstep Cities, Urban Tree Canopy, Stormwater Pond Assessments, Natural Resources Restoration, Stormwater Outreach and other areas. They presented their “Recommendations for a Resilient, Sustainable and Engaged Roseville” at a public event in December attended by Sage Passi and Linda Neilson (Master Gardener, Master Water Steward and CAC member).

Sage was interviewed by the Stormwater Outreach team this fall. After the evening presentations, Sage and Linda connected with Roseville Parks and Recreation Director, Lonnie Brokke, students on the Stormwater Outreach and the Right of Way Vegetation teams and a member of the Parks Commission to discuss follow up opportunities. Linda has been collaborating with Lonnie Brokke on projects for the past year since meeting with him to get input for her Master Water Stewards outreach capstone project. She and Sage will be setting up a meeting with him to discuss ways the Watershed District can collaborate and support the efforts of the city to train park volunteers about maintenance, restoration efforts and best management practices used in the parks. Linda and Sage will also contact the new Roseville Volunteer Coordinator Rachel Boggs to explore potential collaboration, trainings, partnerships and event support. Sage will follow up with Ryan Johnson, the main contact for the Stormwater Outreach team.

Future School Rain Garden Sites Being Considered

Several school grounds in Shoreview and the northern part of our watershed are being targeted as potential BMP sites in 2018. Snail Lake Elementary, Island Lake Elementary and a new school still in the process of being built, Lionsgate Academy, are next in line to be considered. The first two schools were included in the District’s 2014 inventory. Sage did a reconnaissance in early fall to look at two of the

sites and scope out potential outdoor educational opportunities for hands-on lessons about stormwater run-off and the flow of water in their sub-watersheds. The next steps in the process are to contact the Facilities Management staff and principals to gauge interest and explore the potential for these projects by presenting the schools with preliminary concept drawings.

Master Water Stewards In Search of a Capstone



Phil Plumbo met with Michael Schumann, Sage and Paige at his lakeshore home on Beaver Lake to investigate demonstration projects opportunities for his Master Water Steward capstone. Potential projects could include upland deciduous forest or upland prairie habitat restoration, shoreline stabilization and restoration and several options for water quality practices including swales and rain gardens. We will be working with our four stewards to help them develop plans for their projects in the first half of 2018.

School Seed Stratifying – A Winter Tradition



Ten classes at four schools (Farnsworth, L' Etoile du Nord, Children's Discovery Academy and Maplewood Middle School) stratified seeds in preparation for upcoming projects. A puppet show accompanied the lessons. Two more classes will be involved in January at Mounds Park Academy. Seven Ramsey County Master Gardeners, one Master Water Steward, four Master Naturalists and Natural Resources intern Chris Klatt provided assistance.

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Informational Items

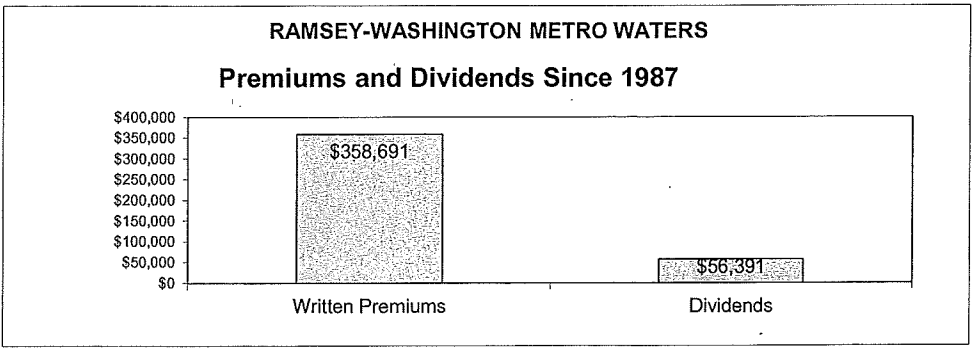
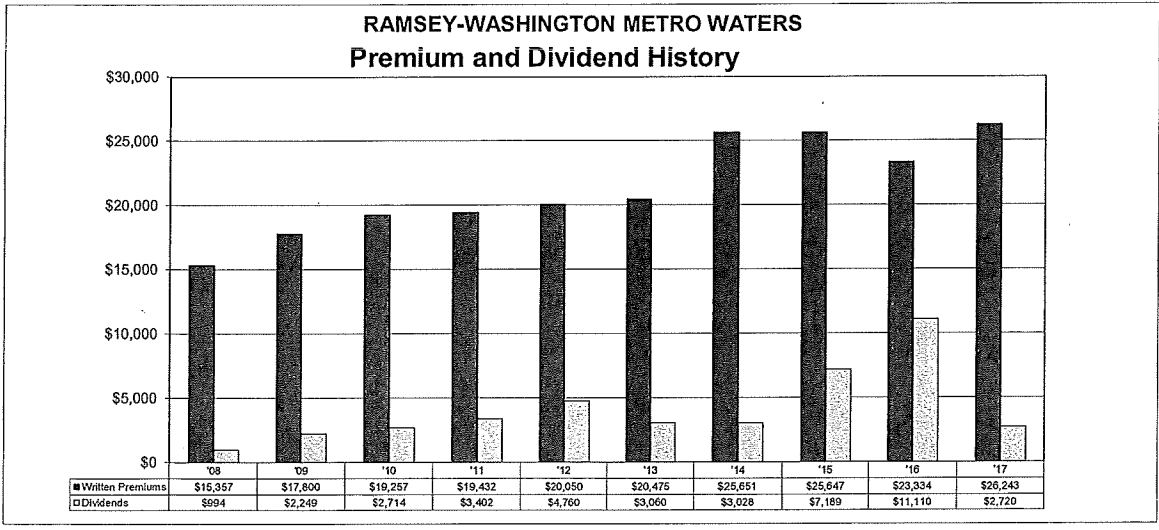
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DEC 15 2017

**LEAGUE OF MINNESOTA CITIES INSURANCE TRUST
PROPERTY/CASUALTY
2017 DIVIDEND CALCULATION
AT MAY 31, 2017**

Bearence Management Group LLC
2010 Centre Pointe Blvd
Mendota Heights MN 55120-1200

Ramsey Washington Metro Watershed	GROSS EARNED PREMIUM	\$315,071
2665 Noel Dr	ADJUSTED LOSSES	\$21,298
	MEMBERS DIVIDEND PERCENTAGE	0.00045338628
Little Canada, MN 55117-1237	DIVIDEND AMOUNT	\$2,720



The "gross earned premium" figure is the member's total earned premiums as of May 31, 2017 for the past 20 years. This is the premium figure that's used in the dividend calculation. The "2017 written premium" figure is the member's total premium for the member's most recent renewal prior to May 31, 2017 (for most members, only a portion of that 2017 written premium would be earned as of May 31, 2017).



CONNECTING & INNOVATING
SINCE 1913

December 13, 2017

To: LMCIT Property/Casualty Members

From: LMCIT Board of Trustees

Jake Benson, Councilmember, Proctor
Clint Gridley, Administrator, Woodbury
Rhonda Pownell, Mayor, Northfield
Dave Unmacht, Executive Director, LMC

Dave Callister, Manager, Plymouth
D. Love, Councilmember, Centerville
Todd Prafke, Administrator, St. Peter

Re: **2017 Property/Casualty Dividend**

We are pleased to enclose a check for your share of the \$6 million dividend the League of Minnesota Cities Insurance Trust (LMCIT) property/casualty program is returning for 2017. The loss control efforts you and other members have undertaken helped make this dividend possible, and we look forward to continuing to assist you in this important work.

Also included in this mailing are:

- A memo providing background on the dividend and an explanation of how dividends are calculated.
- A summary of the earned premium and loss data used to calculate your dividend and your premium and dividend history.

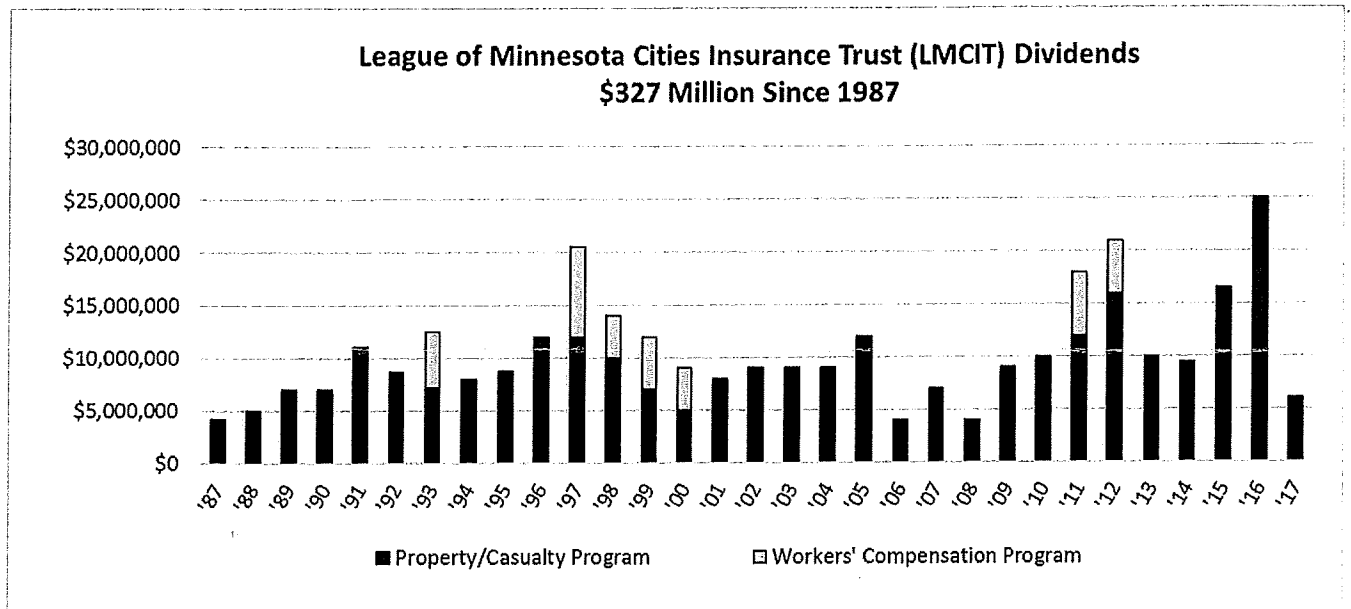
Your insurance agent will receive a copy of this information and we encourage you to share it with your city council or other governing body.

We want to thank you again for your continued participation in LMCIT. Please feel free to contact Laura Honeck, LMCIT Operations Manager, at lhoneck@lmc.org or 651-281-1280 if you have any questions or need additional information.

Congratulations on another successful year!

League of Minnesota Cities Insurance Trust (LMCIT) 2017 Property/Casualty Dividend

Members of the LMCIT property/casualty program will share in a \$6 million dividend this year, bringing the sum of dividends returned to members since 1987 to \$327 million.



Factors Driving the 2017 Dividend

Every year the LMCIT Board determines whether a dividend can be returned, and if so, how much. Several considerations are weighed, with the ultimate decision involving a comparison of the LMCIT year-end fund balance (also known as member equity or surplus) to a targeted amount of fund balance.

Typically, the major driver behind whether a dividend can be returned is how rates in recent years compare to LMCIT's loss experience. Premium rates are designed to pay for projected losses, expenses, and a safety margin in case losses turn out to be greater than expected. If losses turn out to be at or below LMCIT's projections, the safety margin isn't needed and can either be returned to members as a dividend or used to strengthen LMCIT's fund balance.

As the graph shows, LMCIT returned particularly high dividends in 2015 and 2016. In 2015, estimates of LMCIT's outstanding liability for claims incurred before May 31, 2014 decreased about \$8 million because of favorable claim development. In 2016, favorable loss development continued and, in addition, several favorable court decisions allowed LMCIT to release a significant portion of funds it had reserved for claims related to the Drivers' Privacy Protection Act (DPPA).

In November 2016, rates were set for the coming year to produce a safety margin of \$7 million, which included interest on investments. When the LMCIT Board conducted its annual financial review of the property/casualty program for 2017, actuarial estimates, interest earning, and members' losses (claims related to property, police liability, employment liability and auto physical damage were less favorable) were evaluated, and it was determined that a \$6 million dividend could be returned to members while maintaining appropriate rate stability going forward.

Of course, LMCIT's hope is that loss development for prior years is better than expected as time goes on, just as it hopes losses for the coming year are better than expected, both of which would potentially allow LMCIT to return larger dividends to members in future years.

Dividend Calculation

The first step the LMCIT Board takes in determining the dividend amount is to look at LMCIT's actual fund balance compared to the fund balance targets the Board has established. This year the Trustees determined that \$6 million could be returned to members.

The next step is to calculate the dividend. The formula for calculating the dividend is designed to return proportionally greater amounts to members that have been with LMCIT for a longer period and that have been most successful in avoiding and controlling losses. Here are the steps to determine the dividend for each individual member:

- Step 1: Each member's adjusted losses are subtracted from its gross earned premiums.
- Step 2: After calculating Step 1, the remaining dollar amount for each member is added together. This is the total that is used to calculate each individual dividend amount.
- Step 3: The amount for each member calculated in Step 1 is then divided by the sum of all members calculated in Step 2. This results in each member's percentage, or share, of the \$6 million total that's available as a dividend this year.

The enclosed data sheet shows the exact figures, including your percentage of the dividend share, that were used to calculate your dividend. A few definitions may help as you look at this information:

- *Gross Earned Premium:* This figure is your total of all earned premiums through May 31 for the past 20 years.
- *Adjusted Loss:* This figure is your losses for the past 20 years, minus applicable deductibles, and after capping each individual large loss. Each individual loss is capped at the lesser of \$200,000 or 200 percent of the member's annual premium for the year of the loss. Without this cap, a small or mid-sized entity that experiences a catastrophic loss might not receive any dividend for many years.

Future Dividends

The goal of LMCIT is to manage *risk* – in other words, uncertainty. There's no guarantee a dividend will always be returned to members because it is impossible to know precisely what losses will occur or cost. Dividend amounts will vary from year to year just as they have in the past.

With that said, LMCIT will do its best to estimate and project what loss costs will be, and will continue to return to members any funds that aren't needed for losses, expenses, or reserves. While it can't guarantee future dividends, members should be proud of their success accomplished in controlling losses during 2017.

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Phalen Creek may soon see some daylight

Submitted by admin on Sun, 12/03/2017 - 12:00am

By: [Marjorie Otto \(/by/marjorie-otto\)](#)



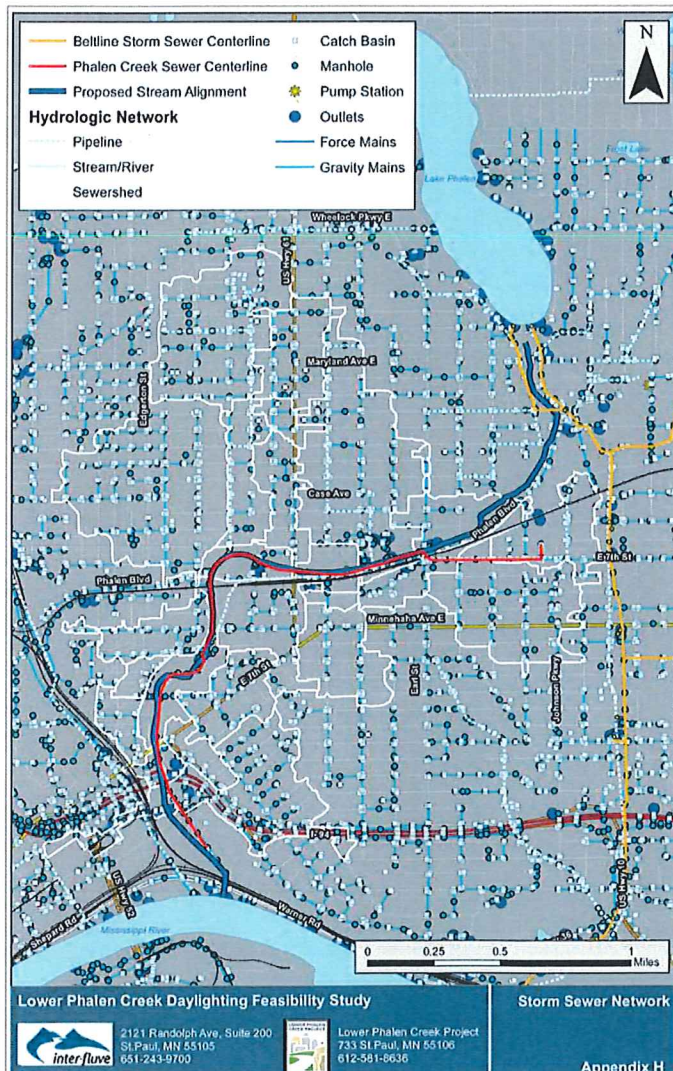
When the Lower Phalen Creek Project was established in 1997, it was created in order to plan a project to "daylight" Phalen Creek.

Now, 20 years later, the project to bring the waterway back above ground is finally seeing some major movement.



[\(/articles/2017/12/03/phalen-creek-may-soon-see-some-daylight\)](#)

courtesy of Inter-Fluve • A technical study conducted by Inter-Fluve on behalf of the Lower Phalen Creek Project looked at two areas where Phalen Creek could be brought back above ground, or "daylighted." The areas, which on the map are identified as "Reach 7" and "Reach 5," were determined based on geology, topography, soil quality and land usage, among other factors.



Melanie Kleiss, executive director of Lower Phalen Creek Project, said the organization recently received the results of a technical study conducted by Inter-Fluve that looked into where Phalen Creek could be brought to the surface, and how.

The project is following a trend across the country of bringing buried water sources back into urban areas to reconnect people with natural resources.

Unearthing the flow

"Daylighting" is the term used when a water source that runs underground is brought up to the surface.

Inter-Fluve, the engineering firm conducting the initial technical study for Phalen Creek, has successfully completed a number of projects like this across the U.S. It was the same engineering firm that planned and managed the daylighting of Trout Brook in the Trout Brook Nature Sanctuary in the North End neighborhood of St. Paul, which wrapped up in 2014.

Currently, Phalen Creek runs underground in two separate concrete sewer lines to the Mississippi River.

In a series of articles from the nonprofit Historic St. Paul, local historian Steve Trimble explains that Phalen Creek originally ran above ground from Lake Phalen down to the Mississippi River, emptying into a marshy area where the Bruce Vento Nature Sanctuary is now located.

Trout Brook and Phalen Creek have always been closely related — in their natural states years ago, both ended in that same marshland.

Trimble explains that over the years, both waterways were altered to either make way for trains or development. Phalen Creek was put underground into a storm sewer in phases, and by the 1930s none of it saw daylight.

How to do it

The daylighting project is still in the very early planning stages, Kleiss said.

The Lower Phalen Creek Project worked with Inter-Fluve this year to conduct the technical feasibility study to identify sections of the creek to daylight, she said. The technical study looked at geology, topography, land use, water table elevations and storm sewers in relation to the creek to ease the cost of bringing it out into the open.

[\(/articles/2017/12/03/phalen-creek-may-soon-see-some-daylight\)](#)

courtesy of Inter-Fluve • Phalen Creek was completely underground by the 1930s and now flows in two locations — in the Beltline Storm Sewer, seen in orange, and the Phalen Creek Sewer, seen in red on this storm sewer map.



[\(/articles/2017/12/03/phalen-creek-may-soon-see-some-daylight\)](#)

Marjorie Otto/Review • A similar "daylighting" project was completed in 2014 at Trout Brook Nature Sanctuary in the North End neighborhood of St. Paul. Inter-Fluve, the same engineering firm conducting initial studies for Phalen Creek, engineered and managed the construction on Trout Brook, seen above. The Phalen Creek project could look similar when finished.



[\(/articles/2017/12/03/phalen-creek-may-soon-see-some-daylight\)](#)

courtesy of the Minnesota Historical Society • This photo from July of 1936 shows a section of Phalen Creek being enclosed in sewer, between Third and East Sixth streets.

Many of the fine details, such as costs, have not yet been ironed out, as they depend on the results of an overall feasibility study, which won't be completed until the fall of 2018. The study is being paid for by the Capitol Region Watershed District and the Ramsey Washington Metro Watershed District.

The overall study will include community feedback, which Lower Phalen Creek Project is currently collecting with help from Friends of Swede Hollow and the district councils for Dayton's Bluff and Payne-Phalen.

Kleiss said the project won't bring the entire creek to the surface. Right now, two areas have been identified as being viable — an area just south of Lake Phalen between Wheelock Parkway and Magnolia Lane and an area along Phalen Boulevard, from the Earl Street underpass to the top of Swede Hollow Park.

According to the study, the areas were chosen because of a number of factors and because they'd be the least costly in terms of the volume of soil needed to be removed. These sections are also either park land or a part of the railroad right-of-way, avoiding the disruption and complications of doing the work on private land. Kleiss explained that homes and businesses are now located in what had been the original path for the creek.

She added the creek won't be daylighted in Bruce Vento Nature Sanctuary right away because of soil contamination and the depth needed for the creek to flow.

Part of the project may involve some work on the creek in Swede Hollow Park, but it was not included in the initial technical study, as the creek is already daylighted in the park. Work in the park would include creating a constant flow in the creek, which currently sees little to no flow for much of the year.

The daylighted parts of the creek will be engineered to maintain a constant flow, but will still be connected to the storm sewer system to prevent flooding during storms, Kleiss said.

A healthy community

As the initial technical study states, "The ultimate goal would be to daylight segments of the creek to restore ecological function, provide recreational and educational opportunities, and improve watershed health."



</articles/2017/12/03/phalen-creek-may-soon-see-some-daylight>

courtesy of the Minnesota Historical Society • Phalen Creek at an unspecified date as it flowed through Swede Hollow.

years," Kusa said, adding that when people are reconnected with natural resources, they "understand their impact on these resources."

He said when people here understand their impact, it helps "those downstream to have better water quality."

Kusa said another impact often forgotten is the economic impact — having an ecological amenity encourages visitors from outside the neighborhood to come visit and such amenities can encourage people to buy homes in the area, an effect Kusa's team studied with a daylighting project in Massachusetts.

There is also an ecological impact — creeks and streams, with plant life along their banks, are natural water filtrations, which helps to keep the water that flows into the Mississippi River cleaner in a more natural way, which Phalen Creek doesn't do in the sewers it currently runs in.

As the Lower Phalen Creek Project continues to study and plan for the project, it is also looking to connect with other local organizations that would like to get involved with it, whether for educational or ecological partnerships.

"It can take any form," Kleiss said, adding that the Lower Phalen Creek Project wants the neighborhood to take ownership of the project.

To give your feedback on the daylighting project, go to www.lowephalen creek.org (<http://www.lowephalen creek.org>). For those who would prefer to fill out a paper copy of the survey, the Lower Phalen Creek Project can be reached at 612-581-8636.

For those interested in partnering with the Lower Phalen Creek Project, email Melanie Kleiss at mkleiss@lowerphalencreek.org (<mailto:mkleiss@lowerphalencreek.org>).

Marjorie Otto can be reached at 651-748-7816 or at eastside@lillienews.com (<mailto:eastside@lillienews.com>). Follow her on Twitter at @EastSideM_Otto.

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Kleiss said her organization has seen a number of studies that find a connection between improved mental health and access to open water and uses those studies as reasoning for a project like this.

Inter-Fluve engineer Jonathon Kusa, who has been conducting the technical study, said Inter-Fluve also refers to similar studies as reasoning for its work.

Kleiss said the project is also about bringing equitable access to natural resources.

"There are neighborhoods [that] don't have quick access to natural resources," Kleiss said, adding that a project like this will be "bringing more access to more people."

Kusa and Kleiss both mentioned the educational aspect as being one of the most important reasons for doing the project. They said that when people can actually see where the water is going — from the street into the creek — it shows them the impact their actions have on water quality.

"The connectivity between people and the environment has been lost in many areas over the