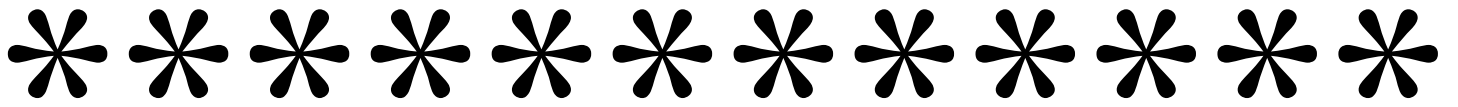


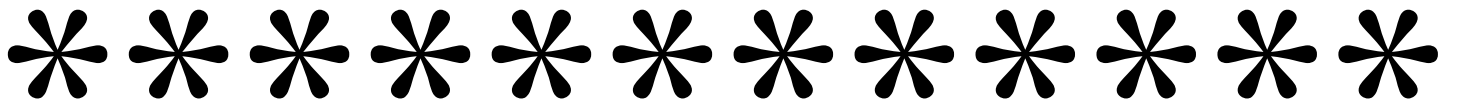


**RAMSEY-WASHINGTON**  
METRO WATERSHED DISTRICT

# **September 2020 Board Packet**



# Agenda





## Regular Board Meeting Agenda

Wednesday, September 2, 2020

6:30 P.M.

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

1. Call to Order – 6:30 PM
2. **Approval of Agenda (pg. 3)**
3. **Consent Agenda: To all be approved with one motion unless removed from consent agenda for discussion.**
  - A. Approval of Regular Meeting Minutes August 5, 2020 (pg. 7)
  - B. Treasurer's Report and Bill List (pg. 14)
  - C. Permit Program
    - i. 20-28 Anchor Block Storage Facility, North St. Paul (pg. 26)
    - ii. 20-30 Anchor View Apartments, North St. Paul (pg. 30)
    - iii. 20-31 Woodspring Hotel Maplewood, Maplewood (pg. 34)
  - D. Stewardship Grant Program
    - i. 20-41 CS Caprioni, porous pavers (pg. 38)
    - ii. 19-29 CS Windsperger Budget Adjustment (pg. 39)
    - iii. 20-14 CS Carver Lake Parking Lot Budget Adjustment (pg.40)
  - E. East St. Paul Target Store Stormwater Retrofit – Change Order No. 1 (pg. 41)
4. Visitor Comments (limited to 4 minutes each)
5. Permit Program
  - A. Applications
    - i. 20-29 Shoreview Snail Lake Trail Extension, Shoreview (pg. 49)**
  - B. Enforcement Action Report (pg. 56)
6. Stewardship Grant Program
  - A. Applications – see consent agenda
  - B. Budget Status Update (pg. 59)
7. *Items in **bold** signify that an action needs to be taken by the Board.*

7. Presentations and Action Items
  - A. **2021 Preliminary Budget and Levy Public Hearing (pg. 61)**
    - i. **Approval of 20201 Preliminary Budget and Levy Certification to Ramsey and Washington Counties – Resolution 20-01 (pg. 74)**
  - B. Current Project Walk Through Presentation (no item in board packet)
8. Administrator’s Report (pg. 76)
  - A. Meetings Attended
  - B. Upcoming Meetings and Dates
  - C. COVID-19 Update
  - D. Conference Virtual Events
9. Project and Program Status Reports (pg. 79)
  - A. Ongoing Project and Program Updates
    - i. Owasso Basin Flood Risk Reduction Feasibility Study
    - ii. West Vadnais to South I-694 Conveyance Feasibility Study
    - iii. Willow Creek Flood Risk Reduction Feasibility Study
    - iv. Ames Lake Area Flood Risk Reduction Feasibility Study
    - v. FEMA Flood Mapping Updates
    - vi. Hillcrest Golf Course
    - vii. Water Management Plan Updates
    - viii. Automated Lake Monitoring Systems
    - ix. Targeted Retrofit Projects
    - x. Target Store Stormwater Retrofits
    - xi. Kohlman Permeable Weir Test System
    - xii. Aldrich Arena Stormwater Project
    - xiii. Keller Channel Weir and Phalen Outlet Resiliency Modifications
    - xiv. Twin Lake Outlet Construction
    - xv. CIP Maintenance and Repair 2020 Project
    - xvi. Beltline/Battle Creek Tunnel Inspection
    - xvii. 2020 Tanners Lake Alum Facility Monitoring
    - xviii. Internal Load Management Discussions
    - xix. Wakefield Lake Internal Loading Study
    - xx. Natural Resources Program
    - xxi. Education Program
10. Report of Managers
- 11. Adjourn**

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



# RAMSEY-WASHINGTON

## METRO WATERSHED DISTRICT

### NOTICE OF BOARD MEETING AND PUBLIC HEARING

Wednesday, September 2, 2020

6:30 PM

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

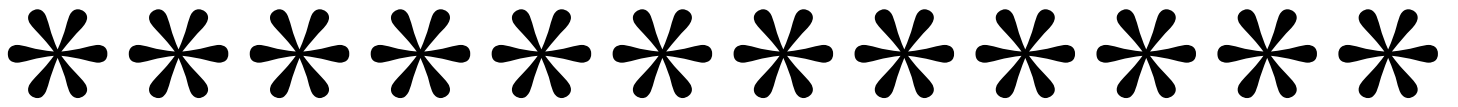
Per Minnesota Statute 13D.021, President Marj Ebensteiner has determined that an in-person meeting of the RWMWD Board of Managers is not practical or prudent given the COVID-19 pandemic. In compliance with Center for Disease Control and Minnesota Department of Health guidance on minimizing potential for spread of the virus, RWMWD will conduct its regular Wednesday, September 2, 2020, meeting at 6:30 p.m. CDT, by web conference and conference call. Members of the public wishing to participate in the meeting may do so by accessing the web-based conference, or by phone.

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

[JOIN MEETING](#)

(<https://us02web.zoom.us/j/83035550720?pwd=aFdWdmdEM0Z1ZEFFb05LZktVUVVQrdz09>)

The meeting room will open at 6:20 pm with the meeting starting at 6:30 pm. To connect to audio you may choose to use your computer audio options or you may use your mobile device to call. The phone access number is **(312) 626-6799**. The Meeting ID is **830 3555 0720**. The meeting password is **767756**. If you have any questions, please contact Tina Carstens at [tina.carstens@rwmwd.org](mailto:tina.carstens@rwmwd.org).



# Consent Agenda





# RAMSEY-WASHINGTON

## METRO WATERSHED DISTRICT

### Ramsey-Washington Metro Watershed District Minutes of Regular Board Meeting August 5, 2020

The Regular Meeting of August 5, 2020, 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 (arrived at 6:51 p.m.)  
Lawrence Swope, Treasurer  
Dianne Ward, Secretary  
Dr. Pam Skinner, Manager

#### ABSENT:

#### ALSO PRESENT:

Tina Carstens, District Administrator  
Tracey Galowitz, Attorney for District  
Nicole Soderholm, Permit Inspector  
Bill Bartodziej, Natural Resource Specialist  
Sam Redinger, Barr Engineering  
Erin Anderson Wenz, Barr Engineering

Paige Ahlborg, Project Manager  
Brad Lindaman, Barr Engineering  
Simba Blood, Natural Resources Specialist  
Dave Vlasin, Water Quality Technician  
Matt Metzger, Barr Engineering

#### 1. CALL TO ORDER

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

#### 2. APPROVAL OF AGENDA

Tina Carstens requested to remove Item 3A from the Consent Agenda.

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

A roll call vote was performed:

Manager Swope	aye	Manager Skinner	aye
Manager Ward	aye	President Ebensteiner	aye

Motion carried 4-0. (Manager Aichinger absent)

#### 3. CONSENT AGENDA

- A. ~~Approval of Minutes from July 1, 2020~~
- B. Treasurer's Report and Bill List
- C. Permit Program
  - i. 20-26, Owasso Gardens, Roseville
- D. Stewardship Grant Program
  - i. 20-35 CS, Union Cemetery, Rain Gardens
  - ii. 20-36 CS, Van Heel, Native Habitat Restoration

iii. 20-37 CS, Kohlman Chain LVMP Phase 2, Aquatic VMP

iv. 20-38, Shmidt, Rain Garden

E. CIP Maintenance and Repair Project – Change Order No. 3

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

A roll call vote was performed:

Manager Swope	aye	Manager Skinner	aye
Manager Ward	aye	President Ebensteiner	aye

Motion carried 4-0. (Manager Aichinger absent)

A. Approval of Minutes from July 1, 2020

Tina Carstens noted that the votes show a 4-1 count when they should show a 4-0 count.

A Manager asked why staff and consultants are not being identified. He stated that he understands the issue of not identifying the Managers but believed that the staff and consultants should be identified as it is important for the context. Tina Carstens confirmed that staff names could be included.

Motion: Manager Swope moved, Manager Ward seconded, to change the minute format to identify all speakers with the exception of the Managers.

A roll call vote was performed:

Manager Swope	aye	Manager Skinner	aye
Manager Ward	aye	President Ebensteiner	aye

Motion carried 4-0. (Manager Aichinger absent)

Motion: Manager Skinner moved, Manager Swope seconded, to approve the minutes from July 1, 2020, as amended.

A roll call vote was performed:

Manager Swope	aye	Manager Skinner	aye
Manager Ward	aye	President Ebensteiner	aye

Motion carried 4-0. (Manager Aichinger absent)

#### **4. VISITOR COMMENTS**

There were none.

#### **5. PERMIT PROGRAM**

A. Applications

Permit #20-27: Pigs Eye Lake Islands – St. Paul

Nicole Soderholm stated that this project is a joint effort between Ramsey County Parks and the Army Corps to create islands. She stated that this will involve fill in the floodplain but explained that given the location there is not an adverse impact to the floodplain and therefore the variance is included to exempt this project from the compensatory storage requirement.



Motion: Manager Skinner moved, Manager Ward seconded, to approve Permit #20-27.

Further discussion: A Manager asked if staff ran their own calculations to see if the army model/calculations agreed with the District’s numbers. Nicole Soderholm replied that the Army submitted a model which would be standard for this area of the watershed and Barr Engineering reviewed that to ensure the results were reported accurately. She explained that Barr does not run its own model, but simply checks the results to ensure they are accurate. Brad Lindaman stated that Barr has its own modeling that it can compare against. The Manager asked if there is a need for a variance as there would not be any impact. Nicole Soderholm stated that while there is not impacts on water storage, it is still a variation from the rule and therefore the variance would be needed.

A Manager asked if filling this area of the lake would negatively impact the ecosystem. Nicole Soderholm stated that the applicants had a team of biologists working on the project. She noted that the purpose of the project is to create and improve habitat. Bill Bartodziej commented that this project will create quality habitat and when staff toured the area there was no substantial plant growth. He commented that the upland habitat gained and the emergent plant shelves that will be created will provide benefit. He noted that those elements are fairly nonexistent in the Pigs Eye area. Nicole Soderholm stated that the DNR will also be reviewing the request as this is part of public waters. The Manager asked if this would set a precedent that would allow future floodplain fill projects to be approved. Nicole Soderholm stated that fill here does not cause adverse impacts and therefore the Board has approved similar variances in this area. She noted that the Board has also approved variance requests of this nature when adequate freeboard exists.

A roll call vote was performed:

Manager Swope	aye	Manager Skinner	aye
Manager Ward	aye	President Ebensteiner	aye

Motion carried 4-0. (Manager Aichinger absent)

**B. Single Lot Residential Permit Adjustments**

Nicole Soderholm stated that the requested defined outcomes were included in the Board packet.

Motion: Manager Ward moved, Manager Swope seconded, to approve the adjusted implementation plan, associated conditions, and defined outcomes triggering a District permit for the remainder of year 2020.

A roll call vote was performed:

Manager Swope	aye	Manager Skinner	aye
Manager Ward	aye	President Ebensteiner	aye

Motion carried 4-0. (Manager Aichinger absent)

**C. Monthly Enforcement Report**

During July, 12 notices were sent to address: install/maintain perimeter control (1), install/maintain construction entrance (1), sweep streets (1), contain liquid/solid wastes (1), remove discharged sediment (2), implement proper dewatering (3), install/maintain energy dissipation (1), and maintain temporary sediment basin (2).

**6. STEWARDSHIP GRANT PROGRAM**

**A. Applications – See Consent Agenda**

**B. Budget Status Update**

A Manager commented that they would like to see a line at the bottom showing the pending grants and asked if there is sufficient funding for this program. Tina Carstens noted that this year they will be close to the budgeted amount for the program. She noted that in the past there have been years when additional funds have been allocated to this item. She stated that there is additional funding in the fund balance that was carried over the previous year that could be allocated to this program if additional funds are needed. She stated that typically only smaller residential projects are proposed at this time of the year. Another Manager agreed that this is an odd year where people are at home with time on their hands and agreed that they would not want to see projects denied. Tina Carstens commented that staff will take that direction and if there is a situation where funds from the budget are depleted, staff will bring that forward to the Board.

Manager Aichinger arrived.

## 7. PRESENTATIONS AND ACTION ITEMS

### A. Keller Chain Weir and Phalen Outlet Resiliency Modifications

Brad Lindaman noted that these modifications came out of the Beltline Resiliency Study and explained that these modifications would allow additional resiliency in the system. Through development of an operating plan, gates could be opened in each of these structures to allow more water out as it is passing through. He explained that it would attempt to match the storm flows to pass the water more quickly. He provided details on how the gate and outlet structures could be modified. He stated that the plans are at about 90 percent completion and a good cost estimate has been developed, noting that staff is asking the Board to approve the preliminary design and estimated costs and project schedule and direct staff to finalize the design and bidding documents and solicit bid proposals. He reviewed the cost estimates.

Motion: Manager Aichinger moved, Manager Ward seconded, to approve the preliminary design, estimated costs, and proposed project schedule and direct staff to finalize the design and bidding documents and solicit bid proposals.

Further discussion: A Manager asked for more details on how the outlet and channel structure would operate. Brad Lindaman explained that they are vertical gates and provided details on how those would operate.

A Manager asked if the gates could be manually closed. Brad Lindaman confirmed that there is a manual operation plan that would act as the backup.

A Manager stated that the comment was made that a drawdown would not be done in advance of a storm and asked if there would be additional discussion on that. Brad Lindaman noted that the operations plan would be discussed further in the future. He reviewed the timeline on which the operations plan would be developed. He stated that the purpose is not to drawdown Phalen, but to allow the stormwater events to pass through more quickly.

A roll call vote was performed:

Manager Swope	aye	Manager Aichinger	aye
Manager Ward	aye	President Ebensteiner	aye
Manager Skinner	aye		

Motion carried unanimously. (5-0)

### B. Flood Risk Reduction and Conveyance Feasibility Studies

Brad Lindaman displayed the Storymap and identified the different feasibility study areas that were identified in the Beltline Resiliency Study.

Matt Metzger provided background information on similar flood risk reduction project experience and the different levels of detail between the Beltline Resiliency Study and the resulting feasibility studies.

Sam Redinger presented details on the scope of the Owasso Basin Feasibility Study, noting that it was divided into four different subprojects. He displayed a table that identifies the individual attributes of each subproject if it was constructed on its own. He reviewed the details of subproject 1A including features, benefits, risks, and cost estimates. The benefits and costs of subproject alternatives were presented in comparison to the property value of 103 flood-impacted properties.

Managers asked how feasible this type of project would be. Brad Lindaman noted that these are large scope, high level projects that would minimize flood risk but would also come with large price tags and would be longer term projects, not something that could be planned for the next year. Implementation of options that reduce flood risk to reduce flood risk at the most properties would require a number of years and funding cycles to accomplish, at a cost of roughly \$25 million or more. Sam Redinger stated that the magnitude of the projects presented tonight are above the level the District could fund on its own and would likely require a funding partner. He provided details on the process the District would follow in attempting to obtain a funding partner, such as the DNR.

Sam Redinger presented details on subproject 1B including features, benefits, risks, and cost estimates. He confirmed that the Gervais Creek improvements are included in all of the large subprojects and provided details on the scope of the creek improvements which would help convey flow through the system as efficiently as possible. He reviewed similar details for the subprojects 2A and 2B.

A Manager commented that it will also be important to review how these projects could impact habitat and ecosystem.

Sam Redinger reviewed a table to summarize the benefits, risks, permitting requirements, implementation timeline, and costs for the different subprojects. He noted that the table also includes alternatives such as land acquisition and a lift station for comparison to project costs of other flood risk reduction alternatives. The buyout/acquisition of impacted properties is a sensitive matter affecting homeowners and businesses in the District. These costs are shown for comparing benefits and costs of flood risk reduction alternatives

Tina Carstens noted that one of the next steps would be for staff to have a similar presentation with Little Canada and to also have discussions with the owners of the manufactured home park.

Matt Metzger stated that the intent was to provide the District with this information so that the District can determine its role. He stated that if the District decides that it would like to be active in this, the recommendation from Barr would be to move into detailed design, pursuing an optimized approach combining a bypass pipe down I-35 and looking at the best opportunities to enhance flood storage and berming around Owasso Basin while looking at potential buy-outs for the most at-risk properties. Detailed design would be aimed at building project definition for an optimal combination of features that maximize benefit to at-risk properties for the cost, and to define options for phasing the work into smaller projects to reduce implementation hurdles. He stated that they would also recommend that the initial feasibility information be brought to potential funding partners, beginning with the DNR and possibly federal agencies to determine their priorities. He noted that the scope could then be designed to include those priority project elements. He stated that they would also want to engage Little Canada and North Star Estates to understand the planning constraints and landowner constraints of any property that could be transferred in ownership or placed under easement.

A Manager commented that it would be helpful to have the low hanging fruit for each subproject, items which the District could complete on its own, have lesser implementation hurdles, and the identified benefits that each would provide. A Manager stated that it would also be helpful to have those conversations with Little Canada and the County to learn of their plans and how they would or would not fit with these. Tina Carstens stated that there

is a placeholder in the flood risk reduction fund for elements of these projects or the Willow Creek study. She noted that preliminary discussions can occur during the budget discussions. Brad Lindaman stated that staff wanted to introduce the magnitude of these larger projects tonight, as some of the low hanging fruit will be helpful if the desire is to move forward eventually with the larger project, but others would not be beneficial on their own. He stated that if there is a desire to take a role in this process, some of the smaller elements could be planned for in 2021 and additional funding opportunities could be explored. Tina Carstens stated that she would be interested in the level of detail that would be necessary in order to pursue additional funding opportunities.

Matt Metzger stated that he has spoken with a staff member from the DNR who has stated that the best opportunity would be to engage the DNR early in the process to gather input which could help to further guide the design process. He stated that if the Board wanted to move forward and gather additional information, the conversation with the DNR should be started sooner rather than later. A Manager commented that if the District cannot obtain a funding partner, full implementation of this would not move forward due to the \$25 million+ cost. A Manager commented that there are other subwatersheds in the District and the Board should review this information and the information from the other subwatersheds in order to determine its priorities and what it should bring forward to potential funding partners. A Manager commented that it would be helpful to know how the subwatershed projects interconnect and impact other areas of the watershed. Tina Carstens noted that information is available from the other subwatershed areas that were studied as a result of the Beltline Resiliency Study.

Erin Anderson Wenz presented similar details on the Willow Creek Feasibility Study. She recommended that continued emergency response plans be developed for the two at risk homes to determine what could be done to provide the city guidance.

Brad Lindaman identified the Ames Lake area, noting that the District has been in contact with the City of Saint Paul. He noted that many of the homes within the floodplain have more localized issues and therefore discussions need to occur with Saint Paul on how this could be further analyzed. He stated that any of those improvements would need to be planned into the city's implementation program. He stated that Saint Paul has stated that they would like to delay the meeting with the District until later in the summer or early fall. Erin Anderson Wenz stated that staff wants to meet with Saint Paul before reviewing the individual homes as it did with the Willow Creek study.

## **8. ADMINISTRATOR'S REPORT**

### **A. Meetings Attended**

No comments.

### **B. Upcoming Meetings and Dates**

No comments.

### **C. 2021 Budget Planning**

Tina Carstens stated that preliminary budget information was included in the packet to begin discussions. She explained how carry over funds projected from 2020 are shown and factored into the proposed 2021 budget. A Manager commented that they would not be concerned with a levy increase as there are critical projects that will be necessary in the future that the District would need to build funds to support. A Manager agreed. A Manager commented that the District should have concrete reasons to do so, as other organizations are cutting funds and staff during this time. A Manager commented that they agree that the District should be cautious and prioritize projects in order to have justification. A Manager commented that the District needs to stay true to its water quality goals and not just flood risk efforts. A Manager stated that they would like to see the justification for adding another staff person, specific to the Water Monitoring Technician position proposed in the budget. Tina Carstens provided details on the need for this position and the benefits of having a full-time staff member versus using an intern for this position. A Manager asked if this information would be shared with the cities to review

prior to the Board review and adoption in September. Tina Carstens confirmed that she sends that information to the member cities and counties in August.

**9. PROJECT AND PROGRAM STATUS REPORTS**

**A. Ongoing Project and Program Updates**

- i. FEMA Flood Mapping Updates
- ii. Hillcrest Golf Course
- iii. Water Management Plan Updates
- iv. Automated Lake Monitoring Systems
- v. Targeted Retrofit Projects
- vi. Target Store Stormwater Retrofits
- vii. Kohlman Permeable Weir Test System
- viii. Aldrich Arena Stormwater Project
- ix. Twin Lake Outlet
- x. CIP Maintenance and Repair 2020 Project
- xi. Beltline/Battle Creek Tunnel Inspection
- xii. 2020 Tanners Lake Alum Facility Monitoring
- xiii. Internal Load Management Discussions
- xiv. Wakefield Lake Internal Loading Study
- xv. Natural Resources Program
- xvi. Education Program

A Manager requested that time be provided at a future Board meeting to review the list of project and program updates. A Manager commented that it seems that Hillcrest Golf Course could be a real opportunity and would like to discuss that in the future. A Manager asked for details on the Boys and Girls Club project. Paige Ahlborg commented that there were some minor delays, but the project has started and is awaiting the asphalt as there is a delay from that company.

**10. REPORTS OF MANAGERS**

Tina Carstens noted that the link to the meeting within the Board packet worked but the link on the website was not working for residents to join the meeting. She noted that she would follow up with those residents to advise them of how the recording of the meeting could be viewed. A Manager commented that they would find it helpful to have the previous Zoom meetings posted online so that they, and others, could watch those meetings. Tina Carstens confirmed that staff could post those videos.

**11. ADJOURN**

Motion: Manager Skinner moved, Manager Aichinger seconded, to adjourn the meeting at 9:30 p.m.

A roll call vote was performed:

Manager Swope	aye	Manager Aichinger	aye
Manager Ward	aye	President Ebensteiner	aye
Manager Skinner	aye		

Motion carried unanimously. (5-0)

RWMWD BUDGET STATUS REPORT  
 Administrative & Program Budget  
 Fiscal Year 2020  
 8/31/2020

Budget Category	Budget Item	Account Number	Original Budget	Budget Transfers	Current Month Expenses	Year-to-Date Expenses	Current Budget Balance	Percent of Budget
Manager	Per diems	4355	\$8,500.00	-	700.00	2,500.00	\$6,000.00	29.41%
	Manager expenses	4360	3,500.00	-	-	-	3,500.00	0.00%
	Committee/Bd Mtg. Exp.	4365	3,500.00	-	290.00	2,098.54	1,401.46	59.96%
<b>Sub-Total: Managers/Committees:</b>			<b>\$15,500.00</b>	<b>\$0.00</b>	<b>\$990.00</b>	<b>\$4,598.54</b>	<b>\$10,901.46</b>	<b>29.67%</b>
Employees	Staff salary/taxes/benefits	4010	1,450,000.00	-	117,666.01	956,923.33	493,076.67	65.99%
	Employee expenses	4020	10,000.00	-	3,404.05	17,486.55	(7,486.55)	174.87%
	District training & education	4350	25,000.00	-	-	819.94	24,180.06	3.28%
	<b>Sub-Total: Employees:</b>			<b>\$1,485,000.00</b>	<b>\$0.00</b>	<b>\$121,070.06</b>	<b>\$975,229.82</b>	<b>\$509,770.18</b>
Administration/ Office	GIS system maint. & equip.	4170	15,000.00	-	-	1,694.02	13,305.98	11.29%
	Data Base/GIS Maintenance	4171	5,000.00	-	-	2,600.00	2,400.00	52.00%
	Equipment maintenance	4305	3,000.00	-	-	-	3,000.00	0.00%
	Telephone	4310	8,000.00	-	57.48	687.00	7,313.00	8.59%
	Office supplies	4320	5,000.00	-	839.63	4,133.89	866.11	82.68%
	IT/Internet/Web Site/Software Lic.	4325	55,000.00	-	4,299.06	38,026.99	16,973.01	69.14%
	Postage	4330	5,000.00	-	-	287.10	4,712.90	5.74%
	Printing/copying	4335	8,000.00	-	-	3,145.55	4,854.45	39.32%
	Dues & publications	4338	11,000.00	-	239.88	7,834.88	3,165.12	71.23%
	Janitorial/Trash Service	4341	15,000.00	-	-	-	15,000.00	0.00%
	Utilities/Bldg.Contracts	4342	20,000.00	-	2,140.51	19,195.47	804.53	95.98%
	Bldg/Site Maintenance	4343	200,000.00	-	4,137.75	9,799.58	190,200.42	4.90%
	Miscellaneous	4390	5,000.00	-	-	377.00	4,623.00	7.54%
	Insurance	4480	40,000.00	-	833.00	43,749.02	(3,749.02)	109.37%
	Office equipment	4703	150,000.00	-	-	7,576.96	142,423.04	5.05%
	Vehicle lease, maintenance	4810-40	43,000.00	-	909.59	32,083.64	10,916.36	74.61%
	<b>Sub-Total: Administration/Office:</b>			<b>\$588,000.00</b>	<b>\$0.00</b>	<b>\$13,456.90</b>	<b>\$171,191.10</b>	<b>\$416,808.90</b>
Consultants/ Outside Services	Auditor/Accounting	4110	60,000.00	-	2,364.00	44,916.53	15,083.47	74.86%
	Engineering-administration	4121	93,000.00	-	5,046.00	44,111.90	48,888.10	47.43%
	Engineering-permit I&E	4122	10,000.00	-	-	44.00	9,956.00	0.44%
	Engineering-eng. review	4123	55,000.00	-	2,056.50	26,038.00	28,962.00	47.34%
	Engineering-permit review	4124	55,000.00	-	2,235.00	30,090.50	24,909.50	54.71%
	Engineering-stormwater impact	4664	0.00	-	10,277.00	10,277.00	(10,277.00)	---
	Project Feasibility Studies	4129	570,000.00	-	85,272.72	254,226.68	315,773.32	44.60%
	Attorney-permits	4130	10,000.00	-	-	-	10,000.00	0.00%
	Attorney-general	4131	40,000.00	-	2,540.00	19,786.00	20,214.00	49.47%
	Outside Consulting Services	4160	40,000.00	-	-	-	40,000.00	0.00%
	<b>Sub-Total: Consultants/Outside Services:</b>			<b>\$933,000.00</b>	<b>\$0.00</b>	<b>\$109,791.22</b>	<b>\$429,490.61</b>	<b>\$503,509.39</b>
Programs	Educational programming	4370	60,000.00	-	671.59	7,371.25	52,628.75	12.29%
	Communications & Marketing	4371	25,000.00	-	452.44	4,379.07	20,620.93	17.52%
	Events	4372	50,000.00	-	-	23,592.03	26,407.97	47.18%
	Water QM-Engineering	4520-30	185,000.00	-	9,824.78	92,770.65	92,229.35	50.15%
	Project operations	4650	160,000.00	-	758.78	52,419.58	107,580.42	32.76%
	SLMP/TMDL Studies	4661	173,000.00	-	7,671.00	39,878.59	133,121.41	23.05%
	Natural Resources/Keller Creek	4670-72	140,000.00	-	6,057.81	40,498.58	99,501.42	28.93%
	Outside Prog.Support/Weed Mgmt.	4683-84	67,000.00	-	875.25	36,203.27	30,796.73	54.03%
	Research Projects	4695	95,000.00	-	1,787.00	43,117.50	51,882.50	45.39%
	Health and Safety Program	4697	3,000.00	-	-	1,311.73	1,688.27	43.72%
	NPDES Phase II	4698	10,000.00	-	-	-	10,000.00	0.00%
<b>Sub-Total: Programs:</b>			<b>\$968,000.00</b>	<b>\$0.00</b>	<b>\$28,098.65</b>	<b>\$341,542.25</b>	<b>\$626,457.75</b>	<b>35.28%</b>
<b>GENERAL FUND TOTAL</b>			<b>\$3,989,500.00</b>	<b>\$0.00</b>	<b>\$273,406.83</b>	<b>\$1,922,052.32</b>	<b>\$2,067,447.68</b>	<b>48.18%</b>
CIP's	CIP Project Repair & Maintenance	516	1,115,000.00	-	9,956.75	983,182.61	131,817.39	88.18%
	Targeted Retrofit Projects	518	1,012,000.00	-	53,894.27	280,348.18	731,651.82	27.70%
	Flood Risk Reduction Fund	520	4,000,000.00	-	48,124.64	304,129.73	3,695,870.27	7.60%
	Debt Services-96-97 Beltline/MM/Battle Creek	526	400,074.00	-	-	397,918.26	2,155.74	99.46%
	Stewardship Grant Program Fund	528-529	1,000,000.00	-	80,230.48	368,368.67	631,631.33	36.84%
	Impervious Surface Volume Reduction Opportunity	531	1,600,000.00	-	-	-	1,600,000.00	0.00%
	Wakefield Park Project	553	100,000.00	-	170.00	17,724.77	82,275.23	17.72%
	District Office Bond Payment	585	194,885.00	-	-	120,358.21	74,526.79	61.76%
<b>CIP BUDGET TOTAL</b>			<b>\$9,421,959.00</b>	<b>-</b>	<b>\$192,376.14</b>	<b>\$2,472,030.43</b>	<b>\$6,949,928.57</b>	<b>26.24%</b>
<b>TOTAL BUDGET</b>			<b>\$13,411,459.00</b>	<b>\$0.00</b>	<b>\$465,782.97</b>	<b>\$4,394,082.75</b>	<b>\$9,017,376.25</b>	<b>32.76%</b>

Current Fund Balances:

Fund:	Beginning Fund Balance @ 12/31/19	Fund Transfers	Year to date Revenue	Current Month Expenses	Year to Date Expense	Fund Balance @ 08/31/20
101 - General Fund	\$4,633,167.33	-	1,477,654.76	273,406.83	1,922,052.32	4,188,769.77
516 - CIP Project Repair & Maintenance	1,160,359.00	-	326,240.87	9,956.75	983,182.61	503,417.26
518 - Targeted Retrofit Projects	(52,309.00)	-	536,838.65	53,894.27	280,348.18	204,181.47
520 - Flood Damage Reduction Fund	2,565,820.00	-	808,626.64	48,124.64	304,129.73	3,070,316.91
526 - Debt Services-96-97 Beltline/MM/Beltline-Battle Creek Tunnel Repair	1,252,348.00	-	49,127.63	-	397,918.26	903,557.37
528/529 - Stewardship Grant Program Fund	711,696.00	-	424,378.36	80,230.48	368,368.67	767,705.69
531 - Impervious Surface Volume Reduction Opportunity	1,484,215.00	-	53,047.29	-	-	1,537,262.29
553 - Wakefield Park Project	268,349.00	-	-	170.00	17,724.77	250,624.23
580 - Contingency Fund	891,682.00	-	-	-	-	891,682.00
585 - Certificates of Participation	130,460.00	-	103,716.69	-	120,358.21	113,818.48
<b>Total District Fund Balance</b>	<b>\$13,045,787.33</b>	<b>\$0.00</b>	<b>\$ 3,779,630.89</b>	<b>\$ 465,782.97</b>	<b>\$4,394,082.75</b>	<b>\$12,431,335.47</b>

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

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
EFT	08/05/20	hea002	Sep 2020	HealthPartners	Employee Benefits	\$11,909.86
71549V	08/10/20	uni006	05/05/20	University of Minnesota	Research Projects - VOID	(25,000.00)
71679	08/17/20	aws001	S1335957-080120	AWS Service Center	Utilities/Bldg. Contracts	212.41
71680	08/17/20	cad001	17014235	Allstream	Water QM Staff	69.39
71681	08/17/20	gil001	195299	Gilbert Mechanical Contractors, Inc.	Bldg/Site Maintenance	3,977.00
71682	08/17/20	hej001	325577	Hejny Rental	Natural Resources Project	171.11
71683	08/17/20	sig001	INV-36843	Sign-A-Rama	Vehicle Expense	630.00
71684	08/17/20	uni006	05/05/20	University of Minnesota	Research Projects - Re-Issue	25,000.00
71685	08/17/20	van001	73907/74133	Vanguard Cleaning Systems of Minnesota	Utilities/Bldg. Contracts	1,050.00
71686	08/26/20	ada002	3159006/3170888	Adam's Pest Control, Inc.	Utilities/Bldg. Contracts	158.00
71687	08/26/20	and004	20-40 CS	Paul Anderson	Stewardship Grant Fund	2,000.00
71688	08/26/20	app001	002825/1524	Applied Ecological Services, Inc.	Stewardship Grant Fund	4,761.62
71689	08/26/20	at002	287256653401X08252020	AT & T Mobility - ROC	IT/Website/Software/WQ	81.76
71690	08/26/20	bar001	7/18/20-8/14/20	Barr Engineering	July/August Engineering	191,079.21
71691	08/26/20	bar004	08/17/20	Deborah Barnes	Employee Reimbursement	40.00
71692	08/26/20	cit011	229275	City of Roseville	IT/Website/Software	4,163.00
71693	08/26/20	com004	08/15/20	Comcast	Utilities/Bldg. Contracts	65.39
71694	08/26/20	don001	Aug 2020	Matthew Doneux	Employee Reimbursement	396.14
71695	08/26/20	fit002	Jul 2020	Mary Fitzgerald	Employee Reimbursement	539.89
71696	08/26/20	gal001	Aug 2020	Galowitz Olson, PLLC	August Legal Expense	3,082.00
71697	08/26/20	ham005	20-20 CS	Sarah Hammes	Stewardship Grant Fund	5,298.81
71698	08/26/20	int001	W20070519	Office of MN, IT Services	Telephone Expense	57.48
71699	08/26/20	isc001	S020413025	Teledyne Instruments, Inc.	Water QM Staff	599.28
71700	08/26/20	kel006	19-31 CS	Dan Kelsey	Stewardship Grant Fund	4,771.00
71701	08/26/20	kil001	W13830	Killmer Electric Co., Inc.	Natural Resources Project	4,340.92
71702	08/26/20	kub001	Aug 2020	Kyle W. Kubitza	Employee Reimbursement	793.50
71703	08/26/20	lea001	Worker's Comp	League of MN Cities Ins. Trust WC	Work. Comp. Insurance	833.00
71704	08/26/20	mau001	Aug 2020	Ashly Maus	Employee Reimbursement	220.23
71705V	08/26/20	---	VOID	VOID	VOID	0.00
71706	08/26/20	mel001	Jul/Aug/Misc 2020	Michelle L. Melser	Employee Reimbursement	142.13
71707	08/26/20	mel001	Jul/Aug 2020	Michelle L. Melser	Employee Reimbursement	401.90
71708	08/26/20	min008	25388	Minnesota Native Landscapes, Inc.	Natural Resources Project	144.00
71709	08/26/20	ncp001	Jul 2020	NCPERS Group Life Ins.	Employee Benefits	16.00
71710	08/26/20	nor013	38583	Northern Dewatering, Inc.	Project Operations	8,968.20
71711	08/26/20	nsp002	697684594	Xcel Energy	Project Operations/Utilities	329.20
71712	08/26/20	odl001	20-07 MTN	Kristy Odland	Stewardship Grant Fund	1,000.00
71713	08/26/20	out001	Progress Payment #3	Outdoor Lab Landscape Design, Inc.	Construction-School/Comm.	39,721.40
71714	08/26/20	pac001	2012019986	Pace Analytical Services, Inc.	Water QM Staff	938.00
71715	08/26/20	pas002	Jul/Aug 2020	Sage Passi	Employee Reimbursement	236.65
71716	08/26/20	pra001	2020305900	Prairie Moon Nursery, Inc.	Natural Resources Project	1,013.07
71717	08/26/20	pre003	31766738687	Premium Waters, Inc.	Utilities/Bldg. Contracts	24.00
71718	08/26/20	qwe001	Aug 2020	CenturyLink	Project Operations	237.39
71719	08/26/20	ram014	20-07 CS	Ramsey County Parks & Recreation	Stewardship Grant Fund	50,000.00
71720	08/26/20	red002	150455006	Redpath & Company, Ltd	Monthly Accounting & Payroll	2,364.00
71721	08/26/20	san003	Jul 2020	Sandstrom Land Management	Construction Imp.-Maint.	1,402.50
71722	08/26/20	sim001	Jul/Aug 2020	Emily Simmons	Employee Reimbursement	579.60
71723	08/26/20	sod001	Aug 2020	Nicole Soderholm	Employee Reimbursement	411.45
71724	08/26/20	tcj001	18-02	Twin City Hardware	Dev Escrow-General	11,225.00
71725	08/26/20	tim002	M25640	Timesaver Off-Site Secretarial, Inc.	Committee/Board Meeting Exp.	290.00
71726	08/26/20	tro002	20-08	Cathy Troendle	Educational Program	605.75
71727	08/26/20	usb002	Aug 2020	U.S. Bank	August Credit Card Expense	2,222.79
71728	08/26/20	vac001	2467	Vacker Sign	Stewardship Grant Fund	1,120.00
71729	08/26/20	van001	Aug 2020	Vanguard Cleaning Systems of Minnesota	Utilities/Bldg. Contracts	550.00
71730	08/26/20	van003	Aug 2020	Erika Van Krevelen	Employee Reimbursement	446.78
71731	08/26/20	vau001	20-26 CS	Wade Vaughn	Stewardship Grant Fund	3,478.70
71732	08/26/20	voy001	869293423035	US Bank Voyager Fleet Sys.	Vehicle Expense	279.59
71733	08/26/20	was002	4922	Washington Conservation District	Stewardship Grant Fund	770.00
71734	08/26/20	mc001	19-01	McDonald's USA, LLC	Dev Escrow-General	7,145.00
<b>Total</b>						<b><u>\$377,364.10</u></b>

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

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
EFT	07/10/20	myp001	07/10/20	July 10th Payroll Fees	4110-101-000	74.90
EFT	07/24/20	myp001	07/24/20	July 24th Payroll Fees	4110-101-000	74.90
Dir.Dep.	08/07/20	---	Payroll Expense-Net	August 7th Payroll	4010-101-000	30,082.49
EFT	08/07/20	int002	Internal Rev.Serv.	August 7th Federal Withholding	2001-101-000	10,267.80
EFT	08/07/20	mnd001	MN Revenue	August 7th State Withholding	2003-101-000	1,861.21
EFT	08/07/20	per001	PERA	August 7th PERA	2011-101-000	5,995.24
EFT	08/07/20	emp002	Empower Retirement	Employee Def.Comp. Contributions	2016-101-000	3,404.00
EFT	08/07/20	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	425.00
Dir.Dep.	08/21/20	---	Payroll Expense-Net	August 21st Payroll	4010-101-000	30,742.28
EFT	08/21/20	int002	Internal Rev.Serv.	August 231st Federal Withholding	2001-101-000	10,377.91
EFT	08/21/20	mnd001	MN Revenue	August 21st State Withholding	2003-101-000	1,862.06
EFT	08/21/20	per001	PERA	August 21st PERA	2011-101-000	5,997.64
EFT	08/21/20	emp002	Empower Retirement	Employee Def.Comp. Contributions	2016-101-000	3,404.00
EFT	08/21/20	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	425.00
<b>Payroll/Benefits</b>						<b><u>\$104,994.43</u></b>
<b>Total</b>						<b>Accounts Payable/Payroll/Benefits: <u>\$482,358.53</u></b>



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

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
08/05/20	EFT	hea002	HealthPartners	4040-101-000	Employee Benefits-General	\$11,909.86	
08/10/20	71549V	uni006	University of Minnesota	4695-101-000	Research Projects-General	(\$25,000.00)	
08/17/20	71679	aws001	AWS Service Center	4342-101-000	Utilities/Bldg. Contracts	212.41	
08/17/20	71680	cad001	Allstream	4530-101-000	Water QM Staff-General	69.39	
08/17/20	71681	gil001	Gilbert Mechanical Contractors, Inc.	4343-101-000	Bldg/Site Maintenance	3,977.00	
08/17/20	71682	hej001	Hejny Rental	4670-101-000	Natural Resources Project-General	171.11	
08/17/20	71683	sig001	Sign-A-Rama	4840-101-000	Vehicle Misc.-General	630.00	
08/17/20	71684	uni006	University of Minnesota	4695-101-000	Research Projects-General	25,000.00	
08/17/20	71685	van001	Vanguard Cleaning Systems of Minnesota	4342-101-000	Utilities/Bldg. Contracts	1,050.00	
08/26/20	71686	ada002	Adam's Pest Control, Inc.	4342-101-000	Utilities/Bldg. Contracts	158.00	
08/26/20	71687	and004	Paul Anderson	4682-529-000	Stewardship Grant Fund	2,000.00	
08/26/20	71688	app001	Applied Ecological Services, Inc.	4682-529-000	Stewardship Grant Fund	4,761.62	4,377.50
				4682-529-000	Stewardship Grant Fund		384.12
08/26/20	71689	att002	AT & T Mobility - ROC	4530-101-000	Water QM Staff-General	81.76	38.54
				4310-101-000	Telephone-General		43.22
08/26/20	71690	bar001	Barr Engineering	4121-101-000	Engineering Admin-General Fund	191,079.21	5,046.00
				4123-101-000	Engineering-Review		2,056.50
				4129-101-000	Project Feasability-General		3,832.50
				4129-101-000	Project Feasability-General		103.50
				4129-101-000	Project Feasability-General		27.00
				4129-101-000	Project Feasability-General		50,870.31
				4129-101-000	Project Feasability-General		19,277.96
				4129-101-000	Project Feasability-General		726.00
				4129-101-000	Project Feasability-General		3,478.00
				4129-101-000	Project Feasability-General		6,957.45
				4520-101-000	Water QM-Engineering		98.00
				4520-101-000	Water QM-Engineering		2,110.50
				4520-101-000	Water QM-Engineering		14.52
				4520-101-000	Water QM-Engineering		1,385.00
				4520-101-000	Water QM-Engineering		195.00
				4520-101-000	Water QM-Engineering		1,755.00
				4520-101-000	Water QM-Engineering		195.00
				4520-101-000	Water QM-Engineering		261.00
				4520-101-000	Water QM-Engineering		2,030.00
				4124-101-000	Engineering-Permit Review		2,235.00
				4661-101-000	SLMP/TMDL Studies		422.50
				4661-101-000	SLMP/TMDL Studies		6,313.00
				4661-101-000	SLMP/TMDL Studies		160.00
				4661-101-000	SLMP/TMDL Studies		775.50
				4695-101-000	Research Projects-General		52.00
				4695-101-000	Research Projects-General		1,735.00
				4650-101-000	Project Operations-General		219.50
				4128-518-000	Engineering-School/Commer Retrofit		1,922.37

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

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
				4664-101-000	Engineering-Stormwater Impact		10,277.00
				4128-518-000	Engineering-School/Commer Retrofit		3,897.00
				4128-518-000	Engineering-School/Commer Retrofit		1,869.50
				4128-553-000	Engineering-Wakefield		170.00
				4128-518-000	Engineering-School/Commer Retrofit		171.00
				4128-518-000	Engineering-School/Commer Retrofit		2,730.00
				4128-518-000	Engineering-School/Commer Retrofit		3,583.00
				4682-529-000	Stewardship Grant Fund		7,030.35
				4128-520-000	Engineering-Flood Damage		36,828.00
				4128-520-000	Engineering-Flood Damage		1,715.00
				4128-516-000	Engineering-Maint. & Repair		1,829.00
				4128-516-000	Engineering-Maint. & Repair		4,643.25
				4128-516-000	Engineering-Maint. & Repair		2,082.00
08/26/20	71691	bar004	Deborah Barnes	4040-101-000	Employee Benefits-General	40.00	
08/26/20	71692	cit011	City of Roseville	4325-101-000	IT/Website/Software	4,163.00	
08/26/20	71693	com004	Comcast	4342-101-000	Utilities/Bldg. Contracts	65.39	
08/26/20	71694	don001	Matthew Doneux			396.14	
				4040-101-000	Employee Benefits-General		111.08
				4670-101-000	Natural Resources Project-General		135.56
				4020-101-000	Employee Expenses-General		149.50
08/26/20	71695	fit002	Mary Fitzgerald			539.89	
				4040-101-000	Employee Benefits-General		55.45
08/26/20	71696	gal001	Galawitz Olson, PLLC	4020-101-000	Employee Expenses-General	3,082.00	484.44
				4131-101-000	Attorney General-General		2,540.00
				4131-520-000	Attorney-Flood Damage		542.00
08/26/20	71697	ham005	Sarah Hammes	4682-529-000	Stewardship Grant Fund	5,298.81	
08/26/20	71698	int001	Office of MN, IT Services	4310-101-000	Telephone-General	57.48	
08/26/20	71699	isc001	Teledyne Instruments, Inc.	4530-101-000	Water QM Staff-General	599.28	
08/26/20	71700	kel006	Dan Kelsey	4682-529-000	Stewardship Grant Fund	4,771.00	
08/26/20	71701	kil001	Killmer Electric Co., Inc.	4670-101-000	Natural Resources Project-General	4,340.92	
08/26/20	71702	kub001	Kyle W. Kubitza	4020-101-000	Employee Expenses-General	793.50	
08/26/20	71703	lea001	League of MN Cities Ins. Trust WC	4480-101-000	Insurance-General	833.00	
08/26/20	71704	mau001	Ashly Maus	4020-101-000	Employee Expenses-General	220.23	
08/26/20	71705V	---	VOID	---	VOID	-	
08/26/20	71706	mel001	Michelle L. Melser			142.13	
				4320-101-000	Office Supplies-General		4.99
				4320-101-000	Office Supplies-General		137.14
08/26/20	71707	mel001	Michelle L. Melser			401.90	
				4040-101-000	Employee Benefits-General		280.00
				4020-101-000	Employee Expenses-General		121.90
08/26/20	71708	min008	Minnesota Native Landscapes, Inc.	4670-101-000	Natural Resources Project-General	144.00	
08/26/20	71709	nep001	NCPERS Group Life Ins.	4040-101-000	Employee Benefits-General	16.00	
08/26/20	71710	nor013	Northern Dewatering, Inc.	4650-520-000	Project Operations-Flood Damage	8,968.20	
08/26/20	71711	nsp001	Xcel Energy			329.20	
				4650-520-000	Project Operations-Flood		71.44
				4650-101-000	Project Operations-General		177.05
				4342-101-000	Utilities/Bldg. Contracts		80.71

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

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
08/26/20	71712	odl001	Kristy Odland	4682-529-000	Stewardship Grant Fund	1,000.00	
08/26/20	71713	out001	Outdoor Lab Landscape Design, Inc.	4630-516-000	Construction-School/Comm.	39,721.40	
08/26/20	71714	pac001	Pace Analytical Services, Inc.	4530-101-000	Water QM Staff-General	938.00	
08/26/20	71715	pas002	Sage Passi			236.65	
				4020-101-000	Employee Expenses-General		196.65
				4040-101-000	Employee Benefits-General		40.00
08/26/20	71716	pra001	Prairie Moon Nursery, Inc.	4670-101-000	Natural Resources Project-General	1,013.07	
08/26/20	71717	pre003	Premium Waters, Inc.	4342-101-000	Utilities/Bldg. Contracts	24.00	
08/26/20	71718	qwe001	CenturyLink	4650-101-000	Project Operations-General	237.39	
08/26/20	71719	ram014	Ramsey County Parks & Recreation	4682-529-000	Stewardship Grant Fund	50,000.00	
08/26/20	71720	red002	Redpath & Company, Ltd.	4110-101-000	Auditor/Accounting	2,364.00	
08/26/20	71721	san003	Sandstrom Land Management	4630-516-000	Construction Imp.-Maint. & Repair	1,402.50	
08/26/20	71722	sim001	Emily Simmons	4020-101-000	Employee Expenses-General	579.60	
08/26/20	71723	sod001	Nicole Soderholm	4020-101-000	Employee Expenses-General	411.45	
08/26/20	71724	tc1001	Twin City Hardware	2024-101-000	Dev Escrow-General	11,225.00	
08/26/20	71725	tim002	Timesaver Off-Site Secretarial, Inc.	4365-101-000	Committee/Board Meeting Expense	290.00	
08/26/20	71726	tro002	Cathy Troendle	4370-101-000	Educational Program-General	605.75	
08/26/20	71727	usb002	U.S. Bancorp			2,222.79	
				4343-101-000	Bldg/Site Maintenance		35.05
				4343-101-000	Bldg/Site Maintenance		26.40
				4320-101-000	Office Supplies-General		44.77
				4320-101-000	Office Supplies-General		21.48
				4320-101-000	Office Supplies-General		40.47
				4670-101-000	Natural Resources Project-General		152.55
				4325-101-000	IT/Website/Software		92.84
				4320-101-000	Office Supplies-General		66.40
				4650-101-000	Project Operations-General		84.84
				4320-101-000	Office Supplies-General		52.48
				4650-101-000	Project Operations-General		40.00
				4343-101-000	Bldg/Site Maintenance		99.30
				4320-101-000	Office Supplies-General		58.98
				4370-101-000	Educational Program-General		65.84
				4320-101-000	Office Supplies-General		37.80
				4338-101-000	Dues & Publications		239.88
				4530-101-000	Water QM Staff-General		15.12
				4320-101-000	Office Supplies-General		35.36
				4530-101-000	Water QM Staff-General		72.45
				4530-101-000	Water QM Staff-General		47.98
				4320-101-000	Office Supplies-General		31.87
				4371-101-000	Communications & Marketing		25.00
				4371-101-000	Communications & Marketing		25.00
				4371-101-000	Communications & Marketing		135.00
				4371-101-000	Communications & Marketing		251.90
				4320-101-000	Office Supplies-General		48.99
				4320-101-000	Office Supplies-General		258.90
				4371-101-000	Communications & Marketing		15.54
				4670-101-000	Natural Resources Project-General		100.60
08/26/20	71728	vac001	Vacker Sign	4682-529-000	Stewardship Grant Fund	1,120.00	
08/26/20	71729	van001	Vanguard Cleaning Systems of Minnesota	4342-101-000	Utilities/Bldg. Contracts	550.00	
08/26/20	71730	van003	Erika Van Krevelen	4020-101-000	Employee Expenses-General	446.78	
08/26/20	71731	vau001	Wade Vaughn	4682-529-000	Stewardship Grant Fund	3,478.70	

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

<b>Date</b>	<b>Check #</b>	<b>Vendor ID</b>	<b>Name</b>	<b>Account ID</b>	<b>Account Description</b>	<b>Amount</b>	<b>Check Detail</b>
08/26/20	71732	voy001	US Bank Voyager Fleet Sys.	4830-101-000	Vehicle Fuel-General	279.59	
08/26/20	71733	was002	Washington Conservation District	4682-529-000	Stewardship Grant Fund	770.00	
08/26/20	71734	mcd001	McDonald's USA, LLC	2024-101-000	Dev Escrow-General	7,145.00	
<b>Accounts Payable Total:</b>						<b>\$377,364.10</b>	
EFT	07/10/20	myp001	Payroll Fees	4110-101-000	July 10th Payroll Fees	74.90	
EFT	07/24/20	myp001	Payroll Fees	4110-101-000	July 24th Payroll Fees	74.90	
Dir.Dep.	08/07/20	---	Payroll Expense-Net	4010-101-000	August 7th Payroll	30,082.49	
EFT	08/07/20	int002	Internal Revenue Service	2001-101-000	August 7th Federal Withholding	10,267.80	
EFT	08/07/20	mnd001	MN Revenue	2003-101-000	August 7th State Withholding	1,861.21	
EFT	08/07/20	per001	PERA	2011-101-000	August 7th PERA	5,995.24	
EFT	08/07/20	emp002	Empower Retirement	2016-101-000	Employee Def.Comp. Contributions	3,404.00	
EFT	08/07/20	emp002	Empower Retirement	2018-101-000	Employee IRA Contributions	425.00	
Dir.Dep.	08/21/20	---	Payroll Expense-Net	4010-101-000	August 21st Payroll	30,742.28	
EFT	08/21/20	int002	Internal Revenue Service	2001-101-000	August 231st Federal Withholding	10,377.91	
EFT	08/21/20	mnd001	MN Revenue	2003-101-000	August 21st State Withholding	1,862.06	
EFT	08/21/20	per001	PERA	2011-101-000	August 21st PERA	5,997.64	
EFT	08/21/20	emp002	Empower Retirement	2016-101-000	Employee Def.Comp. Contributions	3,404.00	
EFT	08/21/20	emp002	Empower Retirement	2018-101-000	Employee IRA Contributions	425.00	
<b>Payroll/Benefits</b>						<b>\$104,994.43</b>	
<b>TOTAL:</b>						<b>\$482,358.53</b>	



**Summary of Professional Engineering Services During the Period  
July 18, 2020 through August 14, 2020**

	Total Engineering Budget (2020)	Total Fees to Date (2020)	Budget Balance (2020)	Fees During Period	District Accounting Code	Plan Implementation Task Number
<b>Engineering Administration</b>						
General Engineering Administration	\$76,000.00	\$44,111.90	\$31,888.10	\$5,046.00	4121-101	DW-13
RWMWD Health and Safety/ERTK Program	\$2,000.00	\$850.00	\$1,150.00		4697-101	DW-13
Educational Program/Educational Forum Assistance	\$20,000.00	\$1,109.50	\$18,890.50		4129-101	DW-11
<b>Engineering Review</b>						
Engineering Review	\$55,000.00	\$26,038.00	\$28,962.00	\$2,056.50	4123-101	DW-13
<b>Project Feasibility Studies</b>						
Interim emergency response plan funds for top priority District flooding areas	\$45,000.00	\$154.00	\$44,846.00		4129-101	DW-19
Beltline Resiliency and Phalen Chain Water Level Management Study	\$217,000.00	\$169,654.00	\$47,346.00		4129-101	BELT-3
FEMA Flood Mapping Update	\$109,720.00	\$56,711.50	\$53,008.50	\$3,832.50	4129-101	DW-9
Modeling of 500-year event Atlas 14 District-wide (Climate Change Scenario) and Generation of Flood Maps for Future Outreach Efforts	\$70,000.00	\$47,285.50	\$22,714.50	\$103.50	4129-101	DW-9
Hillcrest Golf Course (multi-use)	\$25,000.00	\$6,425.00	\$18,575.00	\$27.00	4129-101	DW-6
Gold BRT planning	\$20,000.00	\$0.00	\$20,000.00		4129-101	DW-6
Owasso Basin by-pass pipeline feasibility study/prelim design (Atlas 14 #1 priority area)	\$125,000.00	\$130,206.04	-\$5,206.04	\$50,870.31	4129-101	GC-3, BELT-3
Willow Creek flood damage reduction feasibility study (Atlas 14 - #2 priority flooding area)	\$50,000.00	\$23,983.46	\$26,016.54	\$19,277.96	4129-101	DW-9, BELT-3
Ames Lake area flood damage reduction feasibility study (Atlas 14 #3 priority area)	\$50,000.00	\$2,823.00	\$47,177.00	\$726.00	4129-101	DW-9, BELT-3
West Vadnais Lake to South of I-694 Conveyance Feasibility Study	\$35,000.00	\$55,305.73	-\$20,305.73	\$3,478.00	4129-101	DW-9, BELT-3
Battle Creek PFAS (monitoring, source ID, meetings, communications)	\$25,000.00	\$1,150.00	\$23,850.00		4129-101	DW-10
694/494/94 WQ treatment feasibility study	\$30,000.00	\$0.00	\$30,000.00		4129-101	BCL-3
Subwatershed feasibility studies for At-Risk creeks (Fish Creek and Gervais Creek)	\$40,000.00	\$12,865.95	\$27,134.05	\$6,957.45	4129-101	DW-1, DW-2
Battle Creek Lower Ravine Restoration Feasibility Study	\$25,000.00	\$0.00	\$25,000.00		4129-101	BC-3
Wetland Restoration Site Search	\$25,000.00	\$29,059.60	-\$4,059.60		4129-101	DW-8
Contingency*	\$25,000.00	\$0.00	\$25,000.00		4129-101	
<b>GIS Maintenance</b>						
GIS Maintenance	\$5,000.00	\$0.00	\$5,000.00		4170-101	DW-13
<b>Monitoring Water Quality/Project Monitoring</b>						
Lake Water Quality Monitoring (Misc QA/QC)	\$10,000.00	\$98.00	\$9,902.00	\$98.00	4520-101	DW-2
Special Project BMP Monitoring and annual report development	\$25,000.00	\$18,450.50	\$6,549.50	\$2,110.50	4520-101	DW-12
Auto lake monitoring system for Grass Lake	\$20,000.00	\$20,620.11	-\$620.11		4520-101	DW-18
Auto lake monitoring system for Owasso Lake	\$20,000.00	\$23,598.75	-\$3,598.75	\$14.52	4520-101	DW-18
Auto lake monitoring system for Phalen Lake	\$20,000.00	\$18,891.28	\$1,108.72		4520-101	DW-18
Auto lake monitoring system for Snail Lake	\$20,000.00	\$23,585.99	-\$3,585.99	\$1,385.00	4520-101	DW-18
Auto lake monitoring system for Wabasso Lake	\$20,000.00	\$22,072.60	-\$2,072.60		4520-101	DW-18
Auto lake monitoring system for Spoon Lake	\$20,000.00	\$195.00	\$19,805.00	\$195.00	4520-101	DW-18
Auto lake monitoring system for Tanners Lake	\$20,000.00	\$1,885.00	\$18,115.00	\$1,755.00	4520-101	DW-18
Auto lake monitoring system for Battle Creek Lake	\$20,000.00	\$195.00	\$19,805.00	\$195.00	4520-101	DW-18
Auto lake monitoring system for Twin Lake	\$20,000.00	\$393.00	\$19,607.00	\$261.00	4520-101	DW-18
Auto lake monitoring system Data Webpage	\$20,000.00	\$2,485.00	\$17,515.00	\$2,030.00	4520-101	DW-18
<b>Permit Processing, Inspection and Enforcement</b>						
Permit Application Inspection and Enforcement	\$10,000.00	\$44.00	\$9,956.00		4122-101	DW-7
Permit Application Review	\$55,000.00	\$30,090.50	\$24,909.50	\$2,235.00	4124-101	DW-7
<b>Lake Studies/WRPPs/TMDL Reports</b>						
2020 Grant Applications	\$20,000.00	\$555.50	\$19,444.50	\$422.50	4661-101	DW-13
Tanners Flood Response Tool Model Update	\$3,000.00	\$1,609.00	\$1,391.00		4661-101	TaL-1
Internal load management - Sediment cores and macrophyte surveys for Wakefield, Bennett, Kohlman Lake, Round Lake (LC), Beaver Lake, Battle Creek Lake, Lake Owasso, Lake Emily, Twin Lake	\$50,000.00	\$26,116.74	\$23,883.26	\$6,313.00	4661-101	KL-2, GC-2, WL-3, BL-3, BCL-2, LE-4, BeL-3, LO-5, LE-4
Wakefield Lake internal load modeling (sediment and curlyleaf)	\$30,000.00	\$3,237.00	\$26,763.00	\$160.00	4661-101	WL-3, WL-4
WMP Updates - Including Implementation Plan Updates	\$10,000.00	\$1,335.00	\$8,665.00		4661-101	DW-13
Prioritization of water quality projects from subwatershed feasibility studies	\$15,000.00	\$7,025.35	\$7,974.65	\$775.50	4661-101	DW-13
Contingency for Lake Studies	\$25,000.00	\$0.00	\$25,000.00		4661-101	
<b>Research Projects</b>						
New Technology Mini Case Studies (average 6 per year)	\$12,000.00	\$314.50	\$11,685.50	\$52.00	4695-101	DW-12
Kohlman Permeable Weir Test System - Implement Monitoring Plan	\$15,000.00	\$4,295.00	\$10,705.00	\$1,735.00	4695-101	DW-12
Phalen Chain of Lakes Changes in Water Quality	\$5,000.00	\$4,080.00	\$920.00		4695-101	DW-12
<b>Project Operations</b>						
2020 Tanners Alum Facility Monitoring	\$15,000.00	\$12,675.15	\$2,324.85	\$219.50	4650-101	TaL-3
Beltline Outlet and Keller Channel Operations Plans	\$30,000.00	\$0.00	\$30,000.00		4650-101	DW-9, BELT-3
<b>Capital Improvements</b>						
Target and Motel 6 (Final Design, Plans and Specification Phase)	\$289,400.00	\$273,465.51	\$15,934.49	\$1,922.37	4128-518	DW-6
East St. Paul Target (Construction Phase)	\$124,000.00	\$10,277.00	\$113,723.00	\$10,277.00	3830-101	DW-6
Owasso County Park Stormwater Master Plan and Detailed Design: Phase 1 and Phase 2	\$20,000.00	\$5,025.00	\$14,975.00	\$3,897.00	4128-518	DW-6
Aldrich Arena (soils and plantings)	\$25,000.00	\$15,824.41	\$9,175.59	\$1,869.50	4128-518	DW-6, WL-1
Wakefield Park/Frost Avenue Stormwater Project	\$17,500.00	\$17,724.77	-\$224.77	\$170.00	4128-553	DW-6, WL-1
Commercial Sites Retrofit Projects 2020 (Targeted Retrofits) - Target/Motel 6/Boys club	\$45,000.00	\$9,105.50	\$35,894.50	\$171.00	4128-518	DW-6
School Sites Retrofit Projects 2020 (Targeted Retrofits)	\$45,000.00	\$8,925.86	\$36,074.14	\$2,730.00	4128-518	DW-6
Church Sites Retrofit Projects 2020 (Targeted Retrofit)	\$45,000.00	\$10,498.10	\$34,501.90	\$3,583.00	4128-518	DW-6
BMP Incentive Fund: Gen'l BMP Design Assistance and Review (cases where Dist is approached by landowner, or landowner is not commercial, school, church).	\$75,000.00	\$27,186.44	\$47,813.56	\$7,030.35	4682-529	DW-6
Lowering West Vadnais Lake Outlet	\$50,000.00	\$48,323.75	\$1,676.25		4128-520	DW-9
Wetland Restoration (Cottage Place or other)	\$100,000.00	\$0.00	\$100,000.00		4128-529	DW-1, DW-8
Keller Channel Weir & Phalen Outlet Resiliency Modifications	\$250,000.00	\$90,400.30	\$159,599.70	\$36,828.00	4128-520	DW-9, BELT-3
Twin Lake Outlet Easement Acquisition, Permitting, Construction Plans	\$90,000.00	\$68,203.98	\$21,796.02	\$1,715.00	4128-520	DW-9
<b>CIP Project Repair &amp; Maintenance</b>						
Routine CIP Inspection and Unplanned Maintenance Identification	\$75,000.00	\$14,807.11	\$60,192.89	\$1,829.00	4128-516	DW-5
Beltline 5-year Inspection	\$100,000.00	\$51,586.45	\$48,413.55	\$4,643.25	4128-516	BELT-2
2020 CIP Maintenance and Repairs	\$150,000.00	\$73,183.38	\$76,816.62	\$2,082.00	4128-516	DW-5
2021 CIP Maintenance and Repairs (planning, bidding, and project setup)	\$30,000.00	\$0.00	\$30,000.00		4128-516	DW-5

TOTAL PAYABLE FOR PERIOD 7/18/20 - 8/14/20

\$191,079.21

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

2019 SCHOOLS & FAITH-BASED SITES BMP RETROFITS  
RAMSEY-WASHINGTON METRO WATERSHED DISTRICT  
Progress Payment Application No. 3


1. Completed to Date:	<u>\$ 147,119.25</u>	
2. Less Previously Billed:		<u>\$ 105,307.25</u>
3. Amount Completed This Period:		<u>\$ 41,812.00</u>
4. Amount Previously Retained:	<u>\$ (7,008.51)</u>	
5. Amount Retained This Period (See Note 1):		<u>\$ (2,090.60)</u>
6. Total Amount Retained (See Note 2):	<u>\$ (9,099.11)</u>	
7. Retainage Released Through This Period:		<u>\$ -</u>
8. Less Total Retainage Remaining:	<u>\$ (9,099.11)</u>	
Less Amounts Previously Paid		
9. (Pay Application Nos. <u>1, 2</u> )	<u>\$ (105,307.25)</u>	
10. Amount Due This Period:		<u><u>\$ 39,721.40</u></u>

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 (Original Contract Price is \$117,334.25; adjusted Contract Price to date is \$160,170.25)


SUBMITTED BY:

Name: Chuck Hanna Date: 8/20/20  
Title: President  
Contractor: Outdoor Lab

Signature: 

RECOMMENDED BY:

Name: Andrea Wedul Date: 8/20/2020  
Title: Project Manager  
Engineer: Barr Engineering Company

Signature: 

APPROVED BY:

Name: Marj Ebensteiner Date: \_\_\_\_\_  
Title: President  
Owner: Ramsey-Washington Metro Watershed District

Signature:

**REDEEMER LUTHERAN CHURCH  
1611 AMES AVENUE, ST PAUL, MN 55106  
CONSTRUCTION CONTRACT AMOUNT FOR PROGRESS PAYMENT**

Bid Item	Description	Unit	Estimated Quantity	BID TOTAL		INVOICE #1			INVOICE #2			INVOICE #3		
				Unit Price	Extended Cost	TOTAL COMPLETED THROUGH THIS PERIOD		TOTAL COMPLETED THROUGH THIS PERIOD			TOTAL COMPLETED THROUGH THIS PERIOD			
						Unit Price	Actual Quantity*	Extended Cost	Unit Price	Actual Quantity*	Extended Cost	Unit Price	Actual Quantity*	Extended Cost
A	Mobilization/Demobilization/Traffic Control/Erosion Control	L.S.	1	\$4,000.00	\$4,000.00	\$4,000.00		\$0.00	\$4,000.00	1	\$ 4,000.00	\$4,000.00		\$ -
B	Sawcut Pavement	L.F.	23	\$10.00	\$230.00	\$10.00		\$0.00	\$10.00	23	\$ 230.00	\$10.00		\$ -
C	Remove and Dispose Asphalt Pavement	S.F.	20	\$15.00	\$300.00	\$15.00		\$0.00	\$15.00	20	\$ 300.00	\$15.00		\$ -
D	Remove and Dispose Concrete Curb and Gutter	L.F.	23	\$20.00	\$460.00	\$20.00		\$0.00	\$20.00	23	\$ 460.00	\$20.00		\$ -
E	Remove Sod	S.Y.	560	\$2.50	\$1,400.00	\$2.50		\$0.00	\$2.50	670	\$ 1,675.00	\$2.50		\$ -
F	Excavate, Haul, and Dispose	C.Y.	155	\$60.00	\$9,300.00	\$60.00		\$0.00	\$60.00	380	\$ 22,800.00	\$60.00	70	\$ 4,200.00
G	Grading	L.S.	1	\$1,200.00	\$1,200.00	\$1,200.00		\$0.00	\$1,200.00	1	\$ 1,200.00	\$600.00	1	\$ 600.00
H	Soil Loosening	S.Y.	225	\$0.75	\$168.75	\$0.75		\$0.00	\$0.75	225	\$ 168.75	\$0.75	100	\$ 75.00
J	Planting Soil (12' depth- 75% Sand, 25% Leaf compost- MnDOT Grade II)	C.Y.	168	\$55.00	\$9,240.00	\$55.00		\$0.00	\$55.00	168	\$ 9,240.00	\$55.00	44	\$ 2,420.00
L	Twice-Shredded Hardwood Mulch (3" depth)	C.Y.	42	\$55.00	\$2,310.00	\$55.00		\$0.00	\$55.00	60	\$ 3,300.00	\$55.00	15	\$ 825.00
M	Riprap, Trap Rock with Geotextile Filter	Ton	2	\$250.00	\$500.00	\$250.00		\$0.00	\$250.00	2	\$ 500.00	\$250.00	3	\$ 750.00
O	Bituminous Pavement Patch	S.Y.	1	\$150.00	\$150.00	\$150.00		\$0.00	\$150.00	1	\$ 150.00	\$150.00		\$ -
P	Concrete Curb & Gutter	L.F.	14	\$50.00	\$700.00	\$50.00		\$0.00	\$50.00	34	\$ 1,700.00	\$50.00		\$ -
R	Concrete Curb Cut & Small Splash Block Assembly	Each	2	\$1,000.00	\$2,000.00	\$1,000.00		\$0.00	\$1,000.00	1	\$ 1,000.00	\$1,000.00		\$ -
S	Furnish and Install Precast Concrete Catch Basin with Neenah Inlet Grate	Each	2	\$2,100.00	\$4,200.00	\$2,100.00		\$0.00	\$2,100.00	2	\$ 4,200.00	\$2,100.00		\$ -
T	6" DIP	L.F.	10	\$45.00	\$450.00	\$45.00		\$0.00	\$45.00	10	\$ 450.00	\$45.00		\$ -
U	6" PVC SCH 40 Pipe	L.F.	38	\$35.00	\$1,330.00	\$35.00		\$0.00	\$35.00	88	\$ 3,080.00	\$35.00		\$ -
V	4" Perforated (CPEP) Drantile w/o sock (Underdrain)	L.F.	0	\$11.00	\$0.00	\$11.00		\$0.00	\$11.00		\$ -	\$11.00	160	\$ 1,760.00
X	Drantile Clean Out	Each	0	\$110.00	\$0.00	\$110.00		\$0.00	\$110.00		\$ -	\$110.00	1	\$ 110.00
Z	4" Black Powder Coated Landscape Edging	L.F.	215	\$9.00	\$1,935.00	\$9.00		\$0.00	\$9.00	474	\$ 4,266.00	\$9.00	60	\$ 540.00
AA	Sod	S.Y.	30	\$5.50	\$165.00	\$5.50		\$0.00	\$5.50	110	\$ 605.00	\$5.50	60	\$ 330.00
BB	#1 Cont. Perennial or Shrub (Furnish & Install)	Each	746	\$18.00	\$13,428.00	\$18.00		\$0.00	\$18.00	746	\$ 13,428.00	\$18.00	275	\$ 4,950.00
CC	4" Cont. Perennial (Furnish & Install)	Each	0	\$8.00	\$0.00	\$8.00		\$0.00	\$8.00		\$ -	\$8.00	150	\$ 1,200.00
EE	1.5" B&B Deciduous Tree (Furnish & Install)	Each	6	\$450.00	\$2,700.00	\$450.00		\$0.00	\$450.00	6	\$ 2,700.00	\$450.00		\$ -
FF	Inlet Protection	Each	2	\$95.00	\$190.00	\$95.00		\$0.00	\$95.00	2	\$ 190.00	\$95.00		\$ -
GG	6" Sediment Control Log	L.F.	128	\$2.75	\$352.00	\$2.75		\$0.00	\$2.75	128	\$ 352.00	\$2.75	80	\$ 220.00
HH	ADD 2'x3'x2' Catch Basin w Inlet Grate (North Raingarden) F&I	Each							\$2,800.00	1	\$ 2,800.00	\$2,800.00		\$ -
II	ADD Erosion Control Blanket C125BN F&I	SF							\$0.75	600	\$ 450.00	\$0.75	500	\$ 375.00
JJ	ADD 6" PVC Threaded Caps and Plugs F&I	Each							\$75.00	4	\$ 300.00	\$75.00		\$ -
KK	ADD Rodent guard at outlet	Each										\$75.00	2	\$ 150.00
LL	ADD #2 Cont. Shrub (Furnish & Install)	Each										\$45.00	25	\$ 1,125.00
MM	C.O.2 Plan Changes at So. Basin	Each										\$2.50	148	\$ 370.00
	<b>TOTAL</b>			<b>BID TOTAL</b>	<b>\$56,708.75</b>	<b>TOTAL (PAY APPLICATION #1)</b>	<b>\$ -</b>	<b>TOTAL (PAY APPLICATION #2)</b>	<b>\$ 79,544.75</b>	<b>TOTAL (PAY APPLICATION #3)</b>	<b>\$ 20,000.00</b>			

\* NOTE: Items noted as **BOLD** indicate a change from original bid quantities.

**CORNERSTONE MONTESSORI ELEMENTARY SCHOOL  
1611 AMES AVENUE, ST PAUL, MN 55106  
CONSTRUCTION CONTRACT AMOUNT FOR PROGRESS PAYMENT**

Bid Item	Description	Unit	Estimated Quantity	BID TOTAL		INVOICE #1			INVOICE #2			INVOICE #3		
				Unit Price	Extended Cost	TOTAL COMPLETED THROUGH THIS PERIOD			TOTAL COMPLETED THROUGH THIS PERIOD			TOTAL COMPLETED THROUGH THIS PERIOD		
						Unit Price	Actual Quantity	Extended Cost	Unit Price	Actual Quantity	Extended Cost	Unit Price	Actual Quantity	Extended Cost
A	Mobilization/Demobilization/Traffic Control/Erosion Control	L.S.	1	\$4,000.00	\$4,000.00	\$4,000.00	1	\$ 4,000.00	\$4,000.00		\$ -	\$4,000.00		\$ -
B	Sawcut Pavement	L.F.	10	\$10.00	\$100.00	\$10.00		\$ -	\$10.00		\$ -	\$10.00		\$ -
C	Remove and Dispose Asphalt Pavement	S.F.	12	\$15.00	\$180.00	\$15.00		\$ -	\$15.00		\$ -	\$15.00		\$ -
D	Remove and Dispose Concrete Curb and Gutter	L.F.	5	\$20.00	\$100.00	\$20.00		\$ -	\$20.00		\$ -	\$20.00		\$ -
E	Remove Sod	S.Y.	1850	\$1.75	\$3,237.50	\$1.75	1,250	\$ 2,187.50	\$1.75		\$ -	\$20.00		\$ -
F	Excavate, Haul, and Dispose	C.Y.	137	\$60.00	\$8,220.00	\$60.00		\$ -	\$60.00		\$ -	\$1.75		\$ -
G	Grading	L.S.	1	\$2,000.00	\$2,000.00	\$2,000.00	1	\$ 2,000.00	\$2,000.00		\$ -	\$2,000.00		\$ -
H	Soil Loosening	S.Y.	2100	\$0.50	\$1,050.00	\$0.50	2,000	\$ 1,000.00	\$0.50		\$ -	\$0.50		\$ -
I	Clean Sand	C.Y.	6	\$65.00	\$390.00	\$65.00		\$ -	\$65.00		\$ -	\$65.00		\$ -
J	Planting Soil (Shoreline Restoration and Rain Garden)	C.Y.	50	\$55.00	\$2,750.00	\$55.00		\$ -	\$55.00		\$ -	\$55.00		\$ -
K	Filter Topsoil Borrow (MnDOT 3877 G)	C.Y.	120	\$60.00	\$7,200.00	\$60.00	120	\$ 7,200.00	\$60.00		\$ -	\$60.00		\$ -
L	Twice-Shredded Hardwood Mulch (3" depth)	C.Y.	88	\$55.00	\$4,840.00	\$55.00	12	\$ 660.00	\$55.00		\$ -	\$55.00	60	\$ 3,300.00
N	Salvage and Reinstall Pavers	L.S.	1	\$850.00	\$850.00	\$850.00		\$ -	\$850.00		\$ -	\$850.00		\$ -
O	Bituminous Pavement Patch	S.Y.	1	\$150.00	\$150.00	\$150.00		\$ -	\$150.00		\$ -	\$150.00		\$ -
P	Concrete Curb & Gutter	L.F.	5	\$100.00	\$500.00	\$100.00		\$ -	\$100.00		\$ -	\$100.00		\$ -
Q	Small Splash Block Assembly	Each	1	\$1,000.00	\$1,000.00	\$1,000.00		\$ -	\$1,000.00		\$ -	\$1,000.00		\$ -
S	Furnish and Install Precast Concrete Catch Basin	Each	1	\$2,100.00	\$2,100.00	\$2,100.00		\$ -	\$2,100.00		\$ -	\$2,100.00		\$ -
T	6" DIP	L.F.	5	\$50.00	\$250.00	\$50.00		\$ -	\$50.00		\$ -	\$50.00		\$ -
U	6" PVC SCH 40 Pipe	L.F.	22	\$35.00	\$770.00	\$35.00		\$ -	\$35.00		\$ -	\$35.00		\$ -
V	4" Perforated (CPEP) Drain tile w/o sock (Underdrain)	L.F.	18	\$11.00	\$198.00	\$11.00		\$ -	\$11.00		\$ -	\$11.00		\$ -
W	4" pvc sch 40 Drain tile	L.F.	34	\$10.00	\$340.00	\$10.00		\$ -	\$10.00		\$ -	\$10.00		\$ -
X	Drain tile Clean Out	Each	2	\$110.00	\$220.00	\$110.00		\$ -	\$110.00		\$ -	\$110.00		\$ -
Y	Connect Drain tile to Catch Basin	Each	1	\$600.00	\$600.00	\$600.00		\$ -	\$600.00		\$ -	\$600.00		\$ -
AA	Sod	S.Y.	1600	\$5.75	\$9,200.00	\$5.75	1,300	\$ 7,475.00	\$5.75		\$ -	\$5.75		\$ -
BB	#1 Cont. Perennial or Shrub (Furnish & Install)	Each	194	\$18.00	\$3,528.00	\$18.00		\$ -	\$18.00		\$ -	\$18.00	30	\$ 540.00
CC	4" Pot Perennial	Each	89	\$8.00	\$712.00	\$8.00		\$ -	\$8.00		\$ -	\$8.00	144	\$ 1,152.00
DD	4" Plug (Furnish and Install)	Each	1190	\$2.00	\$2,380.00	\$2.00		\$ -	\$2.00		\$ -	\$2.00		\$ -
FF	Inlet Protection	Each	4	\$95.00	\$380.00	\$95.00		\$ -	\$95.00		\$ -	\$95.00		\$ -
GG	6" Sediment Control Log	L.F.	160	\$2.75	\$440.00	\$2.75	160	\$ 440.00	\$2.75		\$ -	\$2.75		\$ -
HH	Small boardwalk Construction	L.S.	1	\$1,000.00	\$1,000.00	\$1,000.00		\$ -	\$1,000.00		\$ -	\$1,000.00		\$ -
II	Natural Play Construction	L.S.	1	\$800.00	\$800.00	\$800.00	1	\$ 800.00	\$800.00		\$ -	\$800.00		\$ -
JJ	Shoreline Protection Fencing	Each	12	\$95.00	\$1,140.00	\$95.00		\$ -	\$95.00		\$ -	\$95.00		\$ -
LL	ADD #2 Cont. Shrub (Furnish & Install)	Each										\$55.00	30	\$ 1,650.00
NN	ADD 16"Ø x 48"L colr biolog	Each										\$260.00	24	\$ 6,240.00
OO	ADD Black dirt/sand/compost soil mix	C.Y.										\$74.00	85	\$ 6,290.00
PP	ADD 2" Pot Native Perennial	Each										\$2.75	960	\$ 2,640.00
	<b>TOTAL</b>			<b>BID TOTAL</b>	<b>\$60,625.50</b>	<b>TOTAL (PAY APPLICATION #1)</b>	<b>\$ 25,762.50</b>	<b>TOTAL (PAY APPLICATION #2)</b>	<b>\$ -</b>	<b>TOTAL (PAY APPLICATION #3)</b>	<b>\$ 21,812.00</b>			



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

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

Page: 1  
August 20, 2020  
File No: 9M

	Balance
General Account	\$2,540.00
Twin Lakes BP Project	\$36.00
Target East St. Paul	\$506.00
	<u>\$3,082.00</u>

# Permit Application Coversheet

Date September 02, 2020

Project Name Anchor Block Storage Facility

Project Number 20-28

Applicant Name Jim Adams, IP4 AF St. Paul, LLC

Type of Development Commercial/Retail

## Property Description

This project is located southwest of Castle Avenue North and 3rd Street North in the City of North St. Paul. This project is located on the northeast parcel of Anchor Block Commons, a common plan of development currently underway by the City of North St. Paul. Stormwater management was accounted for in the previous permit (#19-38) in the form of filtration basins. Proposed impervious area for this parcel has been reviewed to ensure volume reduction and rate control requirements are met within the larger common plan of development. A temporary erosion and sediment control permit was issued on 8/5/2020, and construction is currently underway.

## Watershed District Policies or Standards Involved:

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

## Water Quantity Considerations

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

## Water Quality Considerations

### *Short Term*

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

### *Long Term*

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

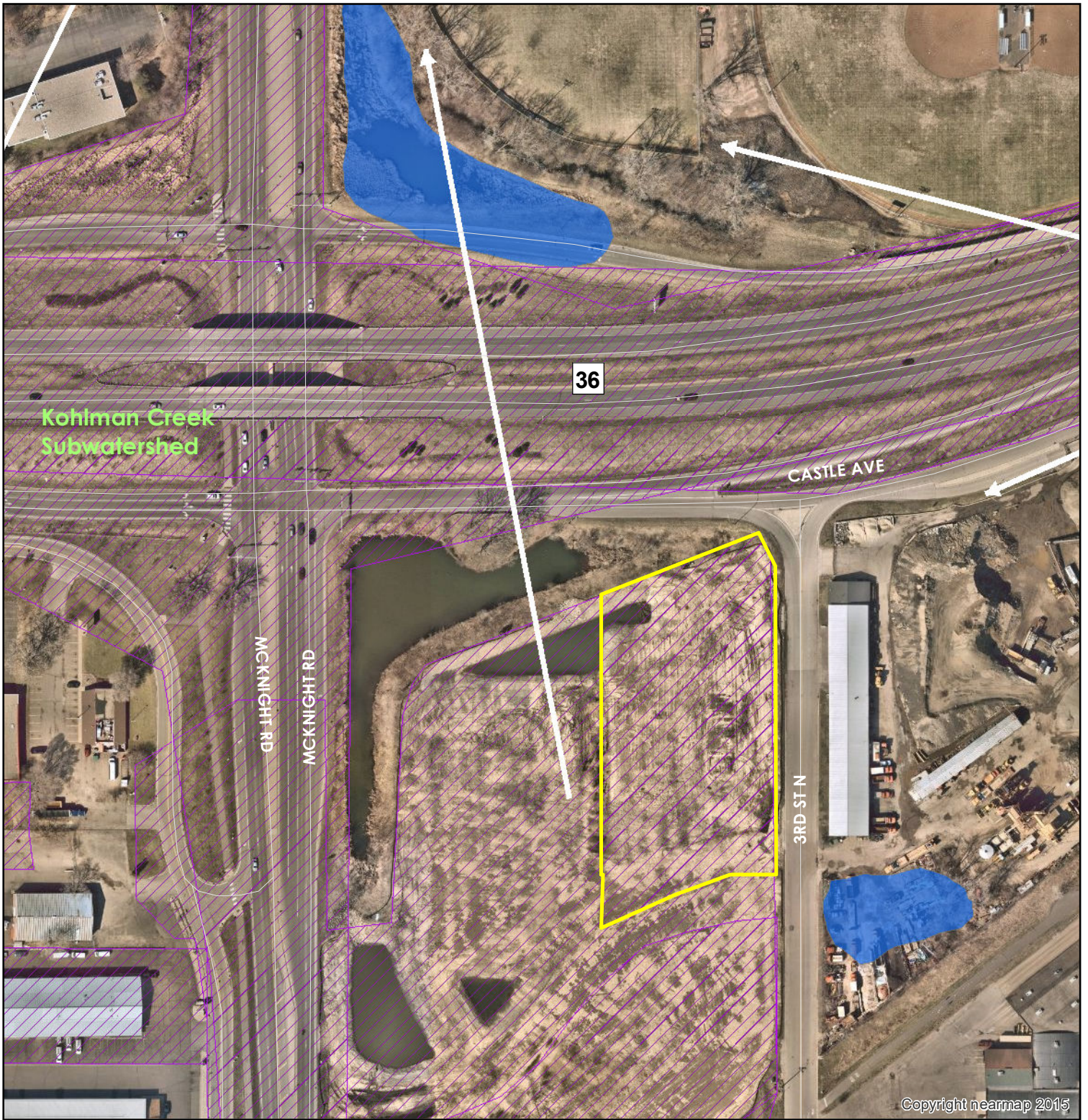
## Staff Recommendation

Staff recommends approval of this permit with the special provisions.

## Attachments:

- Project Location Map
- Project Grading Plan

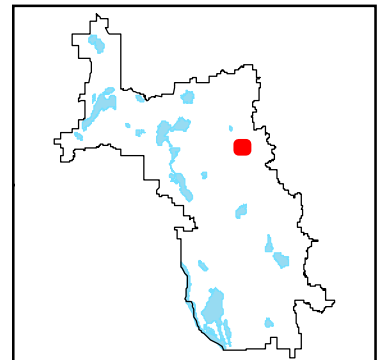
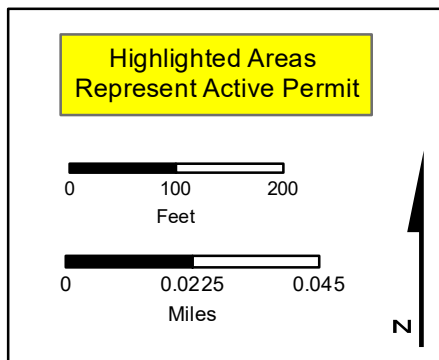
# #20-28 Anchor Block Storage Facility



**Wetlands**

<span style="color: red;">■</span>	Manage A
<span style="color: green;">■</span>	Manage B
<span style="color: blue;">■</span>	Manage C
<span style="color: lightblue;">■</span>	Lake
<span style="color: gray;">■</span>	Sediment Pond
<span style="color: purple;">■</span>	Not Assessed

	RWMWD Boundary
	Flow Arrows
	Major Flow Arrows
	Subwatersheds
	Creeks
	Permits



20-28

### Special Provisions

1. The applicant shall submit the escrow fee of \$4,000.
2. The applicant shall submit the final, signed plans.
3. The applicant shall submit a copy of the Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.



**ANCHOR BLOCK COMMONS**

2300 MCKNIGHT ROAD, NORTH ST. PAUL, MN 55109

IP4 AF ST. PAUL, LLC  
9000 KEYSTONE CROSSING, SUITE 2300, INDIANAPOLIS, IN 46240

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

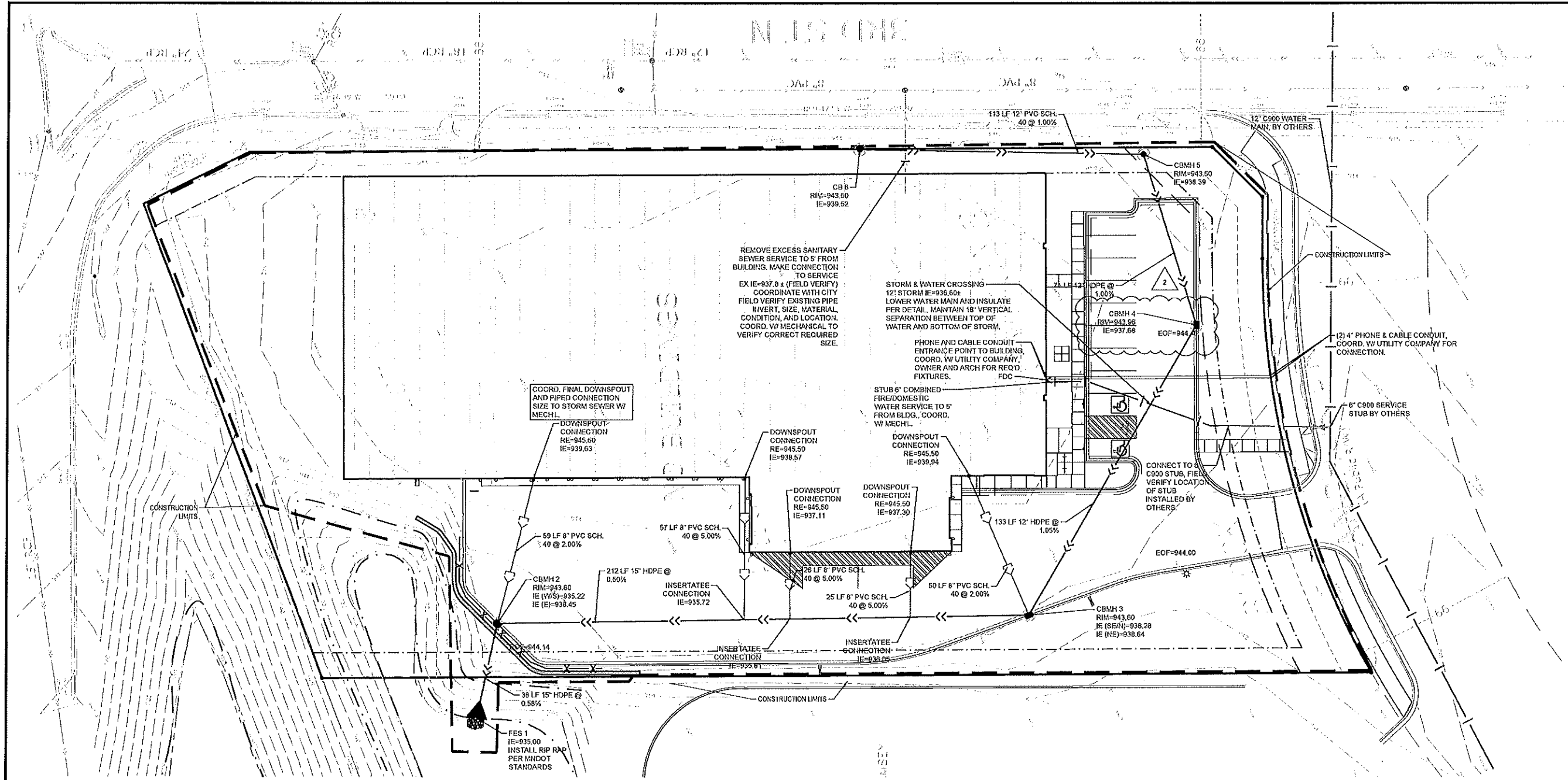
*Matthew R. Pavik*  
Matthew R. Pavik  
DATE 02/17/20 LICENSE NO. 54263

DATE	DESCRIPTION
02/17/20	CITY SUBMITTAL
03/10/20	REVISION SET
03/10/20	WATER MAIN SUBMITTAL

DATE	DESCRIPTION	REVIEWED BY
02/17/20	STORM REVISIONS	MP
03/10/20	STORM REVISIONS	

UTILITY PLAN

**C4.0**



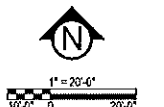
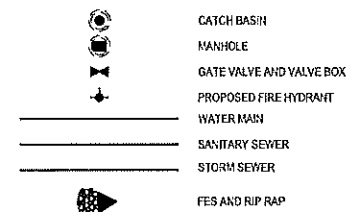
**GENERAL UTILITY NOTES:**

- SEE SITE PLAN FOR HORIZONTAL DIMENSIONS AND LAYOUT.
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES OR VARIATIONS FROM THE PLANS.
- ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTACT "GOPHER STATE ONE CALL" (855-454-0002 OR 800-252-1158) FOR UTILITY LOCATIONS, 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY UTILITIES THAT ARE DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.
- UTILITY INSTALLATION SHALL CONFORM TO THE CURRENT EDITION OF "STANDARD SPECIFICATIONS FOR WATER MAIN AND SERVICE LINE INSTALLATION" AND "SANITARY SEWER AND STORM SEWER INSTALLATION" AS PREPARED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM), AND SHALL CONFORM WITH THE REQUIREMENTS OF THE CITY AND THE PROJECT SPECIFICATIONS.
- CASTINGS SHALL BE SALVAGED FROM STRUCTURE REMOVALS AND RE-USED OR PLACED AT THE DIRECTION OF THE OWNER.
- ALL WATER PIPE SHALL BE CLASS S2 DUCTILE IRON PIPE (DIP) A151, A516, A537, A538, A539, A540, A541, A542, A543, A544, A545, A546, A547, A548, A549, A550 UNLESS OTHERWISE NOTED.
- ALL SANITARY SEWER SHALL BE SDR 25 POLYVINYL CHLORIDE (PVC) ASTM D3034 & F698, OR SCH 40 ASTM D1785, 2665, ASTM F794, 1866 UNLESS OTHERWISE NOTED.
- ALL STORM SEWER PIPE SHALL BE HDPE ASTM F714 & F2308 WITH ASTM D3212 SPEC FITTINGS UNLESS OTHERWISE NOTED.
- PIPE LENGTHS SHOWN ARE FROM CENTER TO CENTER OF STRUCTURE OR TO END OF FLARED END SECTION.
- UTILITIES ON THE PLAN ARE SHOWN TO WITHIN 5' OF THE BUILDING FOOTPRINT. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR THE FINAL CONNECTION TO BUILDING LINES. COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS.
- CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.15 FEET PER DETAILS. RIM ELEVATIONS SHOWN ON THIS PLAN DO NOT REFLECT SUMPED ELEVATIONS.
- ALL FIRE HYDRANTS SHALL BE LOCATED 5 FEET BEHIND BACK OF CURB UNLESS OTHERWISE NOTED.
- HYDRANT TYPE, VALVE, AND CONNECTION SHALL BE IN ACCORDANCE WITH CITY REQUIREMENTS. HYDRANT EXTENSIONS ARE INCIDENTAL.
- A MINIMUM OF 8 FEET OF COVER IS REQUIRED OVER ALL WATERMAIN, UNLESS OTHERWISE NOTED. EXTRA DEPTH MAY BE REQUIRED TO MAINTAIN A MINIMUM OF 18" VERTICAL SEPARATION TO SANITARY OR STORM SEWER LINES. EXTRA DEPTH WATERMAIN IS INCIDENTAL.
- A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION AND 10 FEET OF HORIZONTAL SEPARATION IS REQUIRED FOR ALL UTILITIES, UNLESS OTHERWISE NOTED.
- ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND COORDINATED WITH THE CITY PRIOR TO CONSTRUCTION.
- CONNECTIONS TO EXISTING STRUCTURES SHALL BE CORE-DRILLED.
- COORDINATE LOCATIONS AND SIZES OF SERVICE CONNECTIONS WITH THE MECHANICAL DRAWINGS.
- COORDINATE INSTALLATION AND SCHEDULING OF THE INSTALLATION OF UTILITIES WITH ADJACENT CONTRACTORS AND CITY STAFF.
- ALL STREET REPAIRS AND PATCHING SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CITY. ALL PAVEMENT CONNECTIONS SHALL BE SAWCUT. ALL TRAFFIC CONTROLS SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE ESTABLISHED PER THE REQUIREMENTS OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE CITY. THIS SHALL INCLUDE BUT NOT BE LIMITED TO SIGAGE, BARRICADES, FLASHERS, AND FLAGGERS AS NEEDED. ALL PUBLIC STREETS SHALL BE OPEN TO TRAFFIC AT ALL TIMES. NO ROAD CLOSURES SHALL BE PERMITTED WITHOUT APPROVAL BY THE CITY.
- ALL STRUCTURES, PUBLIC AND PRIVATE, SHALL BE ADJUSTED TO PROPOSED GRADES WHERE REQUIRED. THE REQUIREMENTS OF ALL OWNERS MUST BE COMPLIED WITH. STRUCTURES BEING RESET TO PAVED AREAS MUST MEET OWNERS REQUIREMENTS FOR TRAFFIC LOADING.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH PRIVATE UTILITY COMPANIES.
- CONTRACTOR SHALL COORDINATE CONNECTION OF IRRIGATION SERVICE TO UTILITIES. COORDINATE THE INSTALLATION OF IRRIGATION SLEEVES NECESSARY AS TO NOT IMPACT INSTALLATION OF UTILITIES.
- CONTRACTOR SHALL MAINTAIN AS-BUILT PLANS THROUGHOUT CONSTRUCTION AND SUBMIT THESE PLANS TO ENGINEER UPON COMPLETION OF WORK.
- ALL JOINTS AND CONNECTIONS IN STORM SEWER SYSTEM SHALL BE GASTIGHT OR WATERTIGHT, APPROVED RESILIENT RUBBER JOINTS MUST BE USED TO MAKE WATERTIGHT CONNECTIONS TO MANHOLES, CATCHBASINS, OR OTHER STRUCTURES.
- ALL PORTIONS OF THE STORM SEWER SYSTEM LOCATED WITHIN 10 FEET OF THE BUILDING OR WATER SERVICE LINE MUST BE TESTED IN ACCORDANCE WITH MN RULES, CHAPTER 4714, SECTION 1106.0.

**CITY OF NORTH ST. PAUL UTILITY NOTES:**

- RESERVED FOR CITY SPECIFIC UTILITY NOTES.

**UTILITY LEGEND:**



# Permit Application Coversheet

Date September 02, 2020

Project Name Anchor View Apartments

Project Number 20-30

Applicant Name Roger Fink, Trident Development, LLC

Type of Development Residential

## Property Description

This project is located north of the Gateway Trail between Castle Avenue and 3rd Street North in the City of North St. Paul. This project is located on the south parcel of Anchor Block Commons, a common plan of development currently underway by the City of North St. Paul. Stormwater management was partially accounted for in the previous permit (#19-38) in the form of filtration basins. Proposed impervious area for this parcel increased slightly from the previous approval, and an expanded filtration basin will be constructed by the apartment developer's contractor to ensure volume reduction and rate control requirements are met within the larger common plan of development. The city will own and maintain the proposed filtration basin along with the additional three basins within Anchor Block Commons.

## Watershed District Policies or Standards Involved:

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

## Water Quantity Considerations

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

## Water Quality Considerations

### *Short Term*

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

### *Long Term*

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

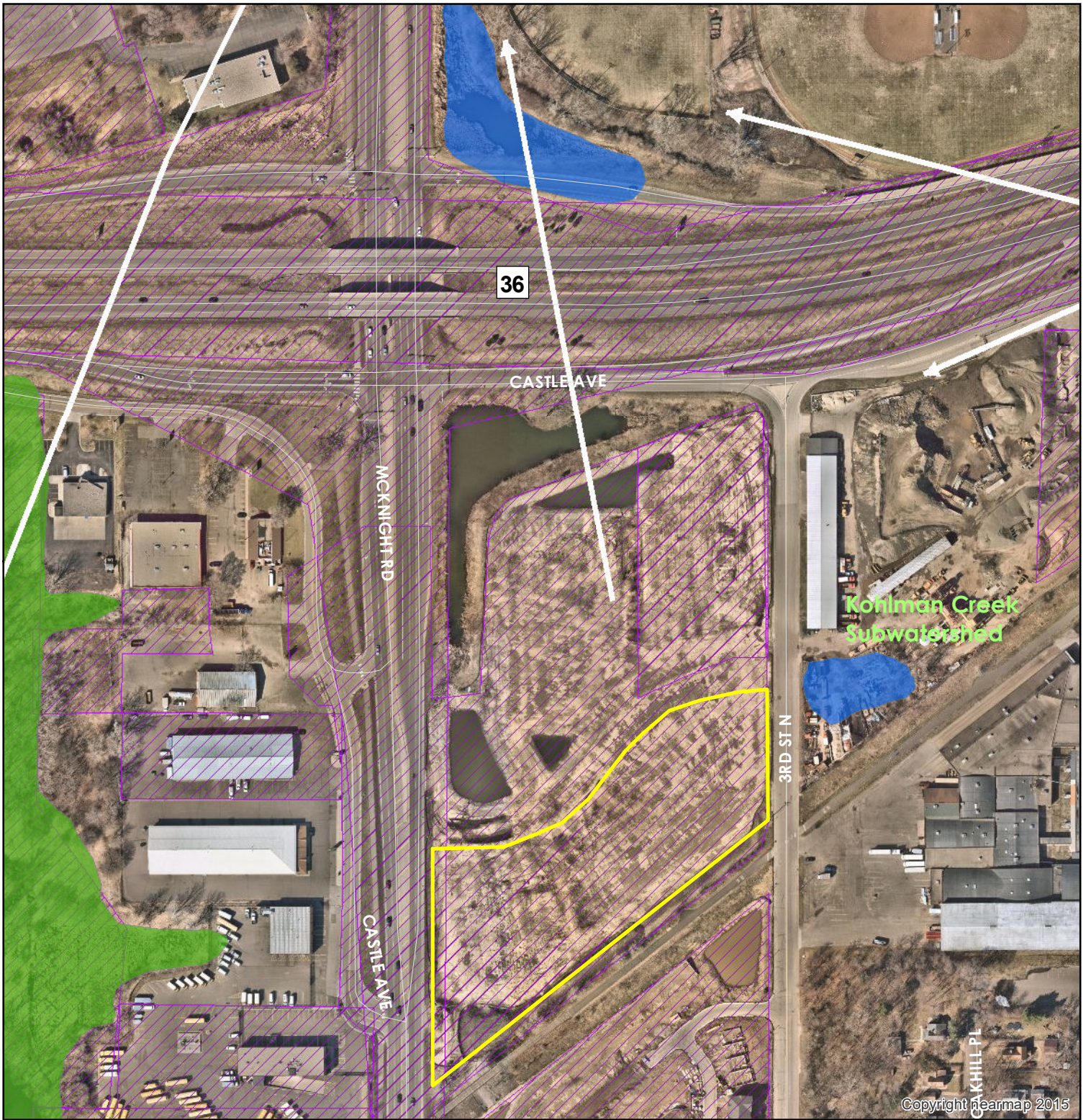
## Staff Recommendation

Staff recommends approval of this permit with the special provision.

## Attachments:

- Project Location Map
- Project Grading Plan

# #20-30 Anchor View Apartments



**Wetlands**

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

- RWMWD Boundary
- Flow Arrows
- ➔ Major Flow Arrows
- Subwatersheds
- ~ Creeks
- Permits

**Highlighted Areas Represent Active Permit**

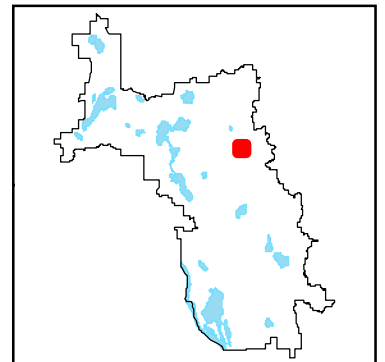
0      150      300

Feet

0      0.03      0.06

Miles

N



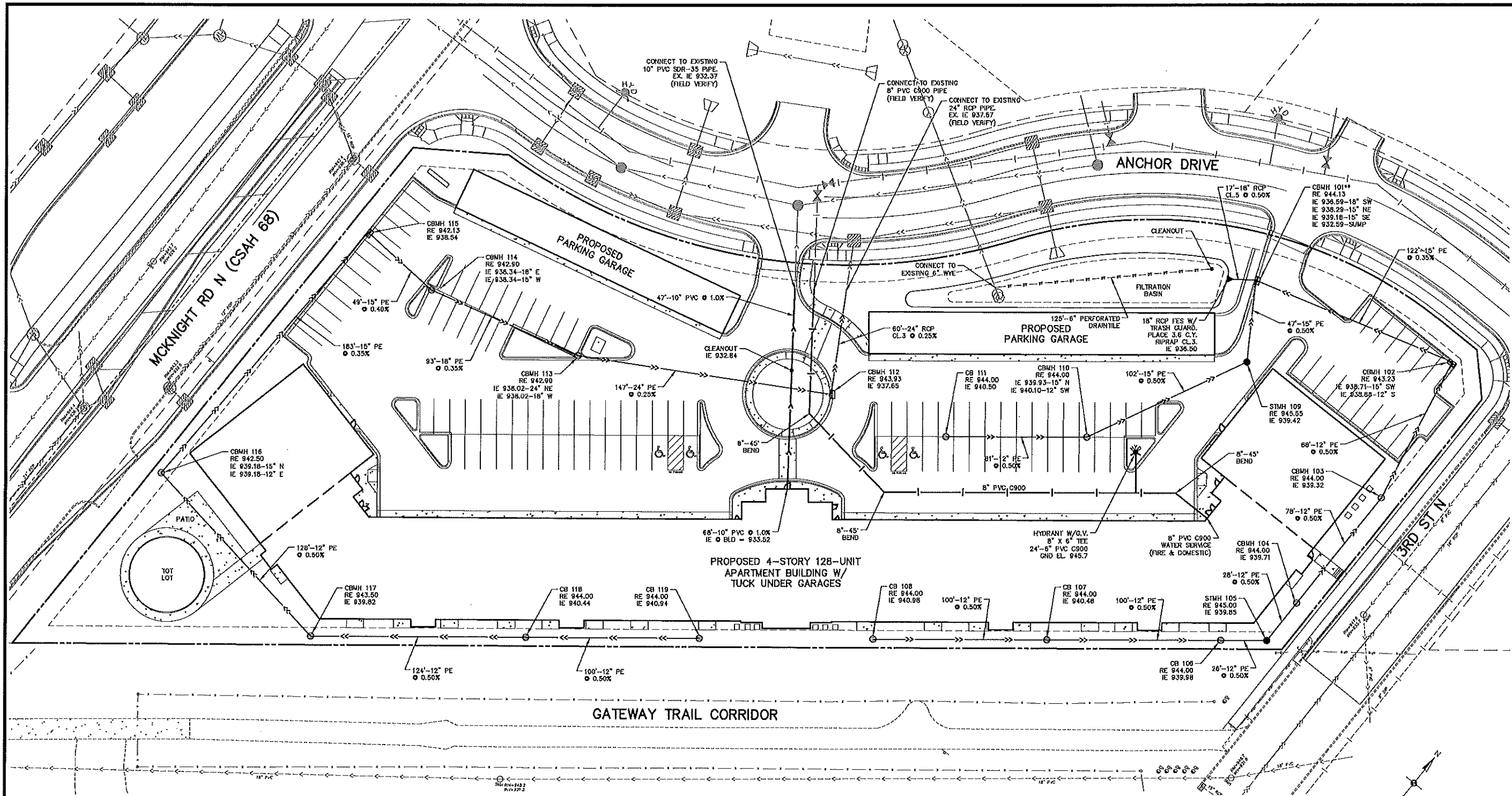
Copyright Nearmap 2015

20-30

### Special Provisions

1. The applicant shall submit the escrow fee of \$20,000.





**LEGEND**

	EXISTING	PROPOSED
PROPERTY LINE	---	---
EASEMENT LINE	---	---
CURB LINE	---	---
BITUMINOUS PAVEMENT	---	---
CONCRETE WALK	---	---
SANITARY SEWER	---	---
WATER MAIN	---	---
STORM SEWER	---	---
OVERHEAD ELECTRIC	---	---
MANHOLE	---	---
HYDRANT	---	---
GATE VALVE	---	---
UTILITY POLE	---	---
GUY WIRE	---	---
GUARD POST	---	---
SIGN	---	---
FENCE LINE	---	---

**SITE PLAN NOTES**

- SANITARY SEWER, WATER MAIN AND STORM SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE CITY OF NORTH ST. PAUL STANDARD DETAIL SPECIFICATIONS, CITY OF ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) STANDARD SPECIFICATIONS, & THE MINNESOTA PLUMBING CODE.
  - A MINIMUM OF 7.5 FEET OF COVER SHALL BE REQUIRED FOR ALL WATER MAIN.
  - A MINIMUM OF 2.0 FEET VERTICAL SEPARATION SHALL BE REQUIRED FOR ALL UTILITY CROSSINGS.
  - ALL WATER MAIN WORK & TESTING SHALL BE COORDINATED WITH CITY OF CARVER PUBLIC WORKS DEPARTMENT.
  - CATCH BASINS IN THE GUTTER LINE SHALL BE SUMPED 0.17' ELEVATIONS SHOWN ON THE PLANS REFLECT THE SUMPED ELEVATIONS.
  - ALL WATER MAIN MUST HAVE CONDUCTIVITY TEST, HYDROSTATIC TEST AND BACTERIA TEST BEFORE THE PROJECT IS COMPLETE AND TURNED ON.
- \* FINAL LOCATIONS OF BUILDING UTILITY SERVICES & DOWNSPOUT LOCATIONS TO BE VERIFIED WITH ARCHITECTURAL AND PLUMBING PLANS.

**STORM SEWER SCHEDULE**

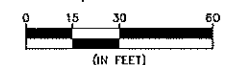
TYPE & No.	SIZE	NEENAH CASTING or EQUAL
**CBMH-101	48" DIA.	R-3067-V
CBMH-102	48" DIA.	R-3087-V
CBMH-103	48" DIA.	R-4342
CBMH-104	48" DIA.	R-4342
STMH-105	48" DIA.	R-1733
CB-106	27" DIA.	R-4342
CB-107	27" DIA.	R-4342
CB-108	27" DIA.	R-4342
STMH-109	48" DIA.	R-1733
CBMH-110	48" DIA.	R-2573*
CB-111	27" DIA.	R-2573*

\* TYPE C GRATE  
 \*\* INSTALL PRESERVER ENERGY DISSIPATOR ON OUTLET PIPE

**STORM SEWER SCHEDULE**

TYPE & No.	SIZE	NEENAH CASTING or EQUAL
CBMH-112	48" DIA.	R-3067-VB
CBMH-113	48" DIA.	R-2573*
CBMH-114	48" DIA.	R-2573*
CBMH-115	48" DIA.	R-3067-VB
CBMH-116	48" DIA.	R-4342
CBMH-117	48" DIA.	R-4342
CB-118	27" DIA.	R-4342
CB-119	27" DIA.	R-4342

\* TYPE C GRATE  
 \*\* INSTALL PRESERVER ENERGY DISSIPATOR ON OUTLET PIPE



**BENCHMARKS**

1. RAMSEY COUNTY BENCHMARK STATION #9240, LOCATED IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF MCKNIGHT ROAD AND 15TH AVENUE EAST  
 ELEVATION = 961.975 ft. (NAVD 88)



**Carlson McCain**  
 ENVIRONMENTAL - ENGINEERING - SURVEYING  
 3890 Phaesant Ridge Dr. NE #100, Blaine, MN  
 Phone: 763-489-7900 Fax: 763-489-7959

**UTILITY PLAN**

**ANCHOR VIEW APARTMENTS**  
 North St. Paul, Minnesota

**TRIDENT DEVELOPMENT, LLC**  
 3601 18th Street South, Suite 103  
 St. Cloud, MN 56301

**REVISIONS**

No.	Date	Description
1.	06/18/20	Per Owner Comments

DRAWN BY: JTR  
 DESIGNED BY: JTR  
 ISSUE DATE: 02/03/20

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Name: Joseph T. Radsch, P.E.  
 Signature: [Signature]  
 Date: 02/03/20 License #: 45889

# Permit Application Coversheet

Date September 02, 2020

Project Name Woodspring Hotel Maplewood

Project Number 20-31

Applicant Name Dave Link, SOTA Partners

Type of Development Commercial/Retail

## Property Description

This project is located on Flandreau Street and County Road D, northwest of the Maplewood Mall in the City of Maplewood. The applicant is proposing to construct a 4-story hotel with associated parking and utilities. The total site area is approximately 1.7 acres. Stormwater volume reduction requirements will be met through construction of an underground infiltration system. Pretreatment will include sumps and an isolator row. The applicant has submitted a model and calculations for review to demonstrate a portion of the site's rate control requirements are met with existing BMPs constructed as part of the Legacy Village common plan of development (#04-37).

## Watershed District Policies or Standards Involved:

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

## Water Quantity Considerations

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

## Water Quality Considerations

### *Short Term*

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

### *Long Term*

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

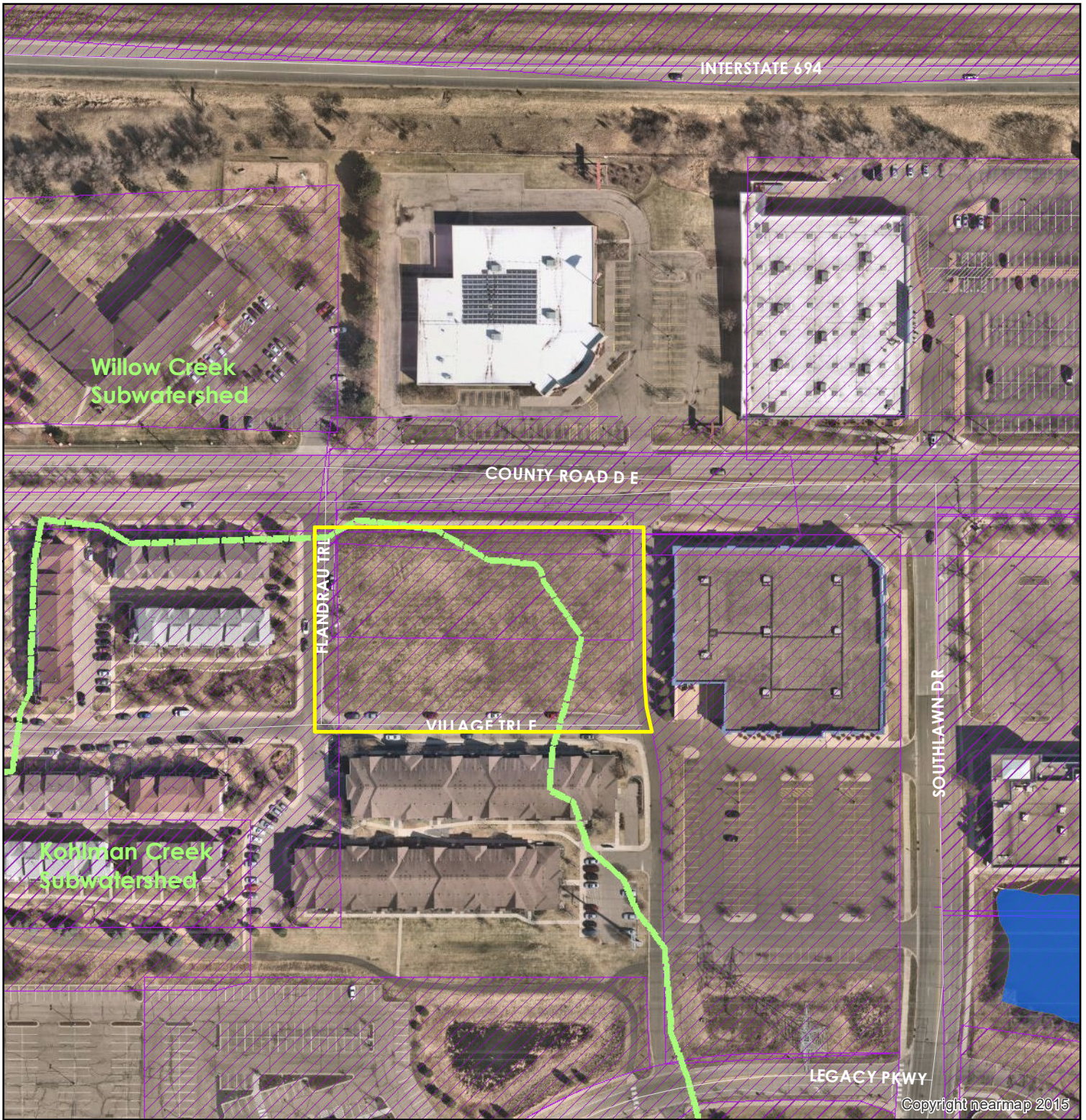
## Staff Recommendation

Staff recommends approval of this permit with the special provisions.

## Attachments:

- Project Location Map
- Project Grading Plan

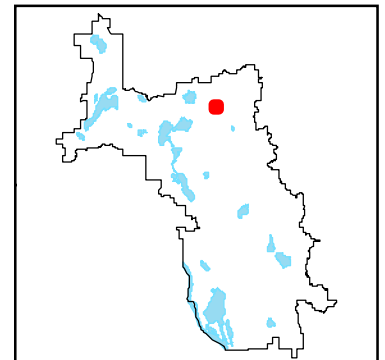
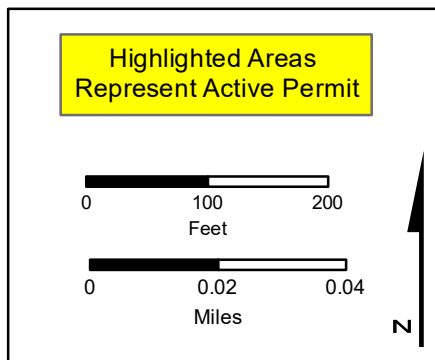
# #20-31 Woodspring Hotel Maplewood



**Wetlands**

<span style="color: red;">■</span>	Manage A
<span style="color: green;">■</span>	Manage B
<span style="color: blue;">■</span>	Manage C
<span style="color: lightblue;">■</span>	Lake
<span style="color: gray;">■</span>	Sediment Pond
<span style="color: purple;">■</span>	Not Assessed

	RWMWD Boundary
	Flow Arrows
	Major Flow Arrows
	Subwatersheds
	Creeks
	Permits



### Special Provisions

1. The applicant shall revise and add plan sheet notes:
  - A. Grading Note #18 references wetland mitigation areas, and Infiltration Basin Construction Notes reference an above-ground infiltration BMP. Ensure all notes are consistent with the proposed project.
  - B. Describe best practices and phasing for construction of underground infiltration system.
  - C. Add “Notify Nicole Soderholm, Ramsey-Washington Metro Watershed District, at 651-792-7976 prior to beginning construction activity in order to schedule an initial SWPPP inspection.”
  - D. Add “Notify Nicole Soderholm, Ramsey-Washington Metro Watershed District, at 651-792-7976 at least 48 hours prior to construction of the underground infiltration system.”
2. The applicant shall include a detail in the plans for the perimeter control specified.
3. The applicant shall submit the escrow fee of \$8,400.
4. The applicant shall submit a Stormwater Pollution Prevention Plan (SWPPP).
5. The applicant shall submit contact information for the trained erosion control coordinator responsible for implementing the SWPPP.
6. The applicant shall submit final, signed plans and stormwater report.
7. The applicant shall submit a signed joint maintenance agreement with the City of Maplewood.
8. The applicant shall submit a draft, site-specific BMP Operations & Maintenance Plan. A final, as-built O&M Plan will be required prior to permit closure.
9. The applicant shall submit a copy of the Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.



## Stewardship Grant Application Summary

**Project Name:** Caprioni

**Application Number:** 20-41 CS

**Board Meeting Date:** 9/2/2020

**Applicant Name:** Victoria Caprioni

**Residential**

**Commercial/Government**

### Project Overview:

This project is located off Rose Ave E and Edgewater Blvd in the City of St. Paul. The applicant has a driveway that is steeply sloped toward the garage. The proposed project is to install a permeable paver driveway with improved channel drain/dry-well to capture excess overflow. The project will not only help with drainage issues on this property but will help capture runoff before it enters Beaver Lake. This project is eligible for 75% coverage up to \$15,000.

### BMP type(s):

Porous Pavers(1)

### Grant Request:

\$9,000.00

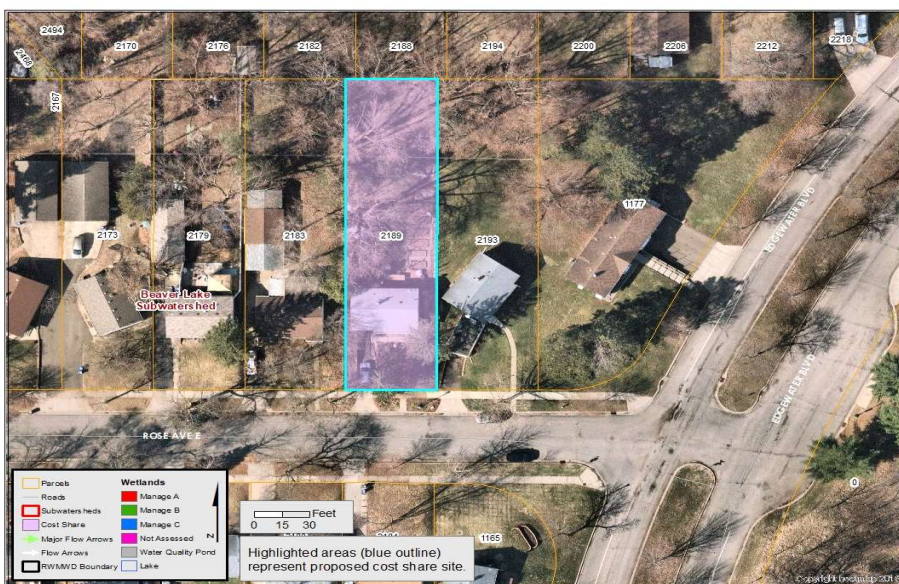
### Recommendation:

Staff recommends approval of this application.

### Subwatershed:

Beaver Lake

### Location Maps:





**RAMSEY-WASHINGTON**  
METRO WATERSHED DISTRICT

(651) 792-7950  
rwmwd.org

2665 Noel Drive  
Little Canada, MN 55117

September 2, 2020

**To:** Board of Managers

**From:** Paige Ahlborg

**Re:** Budget Adjustment - Windsperger 19-29 CS

Gregory Windsperger applied for the Best Management Practices Cost Share Program and was approved at a staff level on 10/25/2019 for \$5,000. The application funded 50% up to \$5,000 for a native planting around a wetland in the applicant's backyard. The applicant is proposing to install additional plantings that have increased the project costs. The applicant is requesting a budget increase of \$850 to the cost share application to cover the increased project costs. The total grant of \$5,850 is still within the eligible amount of \$15,000 for this project type however at this time the funding requires board of managers' approval.



(651) 792-7950  
rwmwd.org

2665 Noel Drive  
Little Canada, MN 55117

September 2, 2020

**To:** Board of Managers

**From:** Paige Ahlborg

**Re:** Budget Adjustment - Carver Lake Parking Lot 20-14 CS

Kristin Seaman, City of Woodbury, applied for the Best Management Practices Cost Share Program and was approved on 5/6/2020 for \$50,000. The application funded 100% of the costs for the installation of a rain garden in the parking lot along with 50% of the costs for some native plantings. Increased funds are being requested for additional native plantings in the medians and additional costs associated with the rain garden installation.

The City of Woodbury is requesting a budget increase of \$7,000 to account for these additional costs. The rain garden portion will be funded 100% up to \$50,000 and the native planting portion will be funded 50% up to \$7,000.

They still fall within the eligible amounts of \$100,000 for the rain garden portion and \$15,000 for the habitat restoration portion of this project.



# Consent Agenda Action Item

---

**Board Meeting Date:** September 2, 2020

**Agenda Item No:** 3E

**Preparer:** Tina Carstens, Administrator

---

---

**Item Description:** Change Order No. 1 for the East St. Paul Target Store Retrofit

---

---

## **Background:**

Attached is change order number 1 for the East St. Paul Target Store Stormwater Retrofit project.

During the shop drawing review from the precast supplier, it was decided to increase the size of several manhole structures to better accommodate the weirs and provide safer manhole access. The pipe type that connects the rain garden drain tile to the downstream structures were also changed to a different material to provide a better connection. Finally, the entire plan set was reissued to include the changes listed above as well as some of the notes requested by the City of St. Paul. The attached change order describes each individual change as well as the cost difference. In the end, this change order increases the contract price by just over \$6,000.

---

## **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 Item:** Implement retrofit water quality improvement projects.

---

## **Staff Recommendation:**

Approve Change Order No. 1.

---

## **Financial Implications:**

This change order increases the contract price by \$6,027.00. The project budget includes contingency that will cover this change order amount.

---

## **Board Action Requested:**

Approve Change Order No. 1.

**Change Order No. 1  
Ramsey-Washington Metro Watershed District  
East St. Paul Target Retail Store Stormwater Retrofits**

**DATE OF ISSUANCE:** August 26, 2020

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

**Contractor:** Sunram Construction, Inc.  
20010 75th Avenue North  
Corcoran, MN 55340  
Attn: Ryan Sunram

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

**C.O.1.A Issued for Construction Drawings**

Description of Change:

The entire set of construction drawings were re-issued as "Issued for Construction".

**C.O.1.B 72" Manhole Structures**

Description of Change:

Changing two manhole weir structures from 60" to 72" at the tree trench.

**Bid Form and Base Bid:**

Delete the following from Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
II	60"-Dia. Pre-cast Storm Sewer Manhole w/ Weir, Complete	EA	2	\$8,275.00	\$16,550.00

Add the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
II	72"-Dia. Pre-cast Storm Sewer Manhole w/ Weir, Complete	EA	2	\$11,437.50	\$22,875.00

**Measurement and Payment:**

Delete the following from Section 01 22 00:

- II. 60"-Dia. Pre-cast Storm Sewer Manhole w/ Weir, Complete
  1. Method of Measurement: 60"-Dia. Pre-cast Storm Sewer Manhole w/ Weir, Complete shall be measured per each (EA) structure furnished and installed and counted by the Engineer in the field at the locations shown on the Drawings.
  2. Basis for Payment: Contractor shall be paid a unit price per each (EA) for 60"-Dia. pre-cast structure with weir, furnished and installed. This unit price shall be payment in full for the costs of all supervision, materials, equipment, labor, supplies, profit and overhead, and performing all operations as are necessary to furnish, and install the precast concrete structure specified, including casting assembly, concrete adjusting rings, concrete weir, excavation, backfilling, bedding material, compaction, and other appurtenances, as shown on the Drawings, all complete as specified.

Add the following to Section 01 22 00:

- II. 72"-Dia. Pre-cast Storm Sewer Manhole w/ Weir, Complete
  1. Method of Measurement: 72"-Dia. Pre-cast Storm Sewer Manhole w/ Weir, Complete shall be measured per each (EA) structure furnished and installed and counted by the Engineer in the field at the locations shown on the Drawings.
  2. Basis for Payment: Contractor shall be paid a unit price per each (EA) for 72"-Dia. pre-cast structure with weir, furnished and installed. This unit price shall be payment in full for the costs of all supervision, materials, equipment, labor, supplies, profit and overhead, and performing all operations as are necessary to furnish, and install the precast concrete structure specified, including casting assembly, concrete adjusting rings, concrete weir, excavation, backfilling, bedding material, compaction, and other appurtenances, as shown on the Drawings, all complete as specified.

**C.O.1.C 3'x2' to 48" Manhole Structures**

Description of Change:

Changing four catchbasin structures from 3'x2 boxes to 48" in the tree trench.

**Bid Form and Base Bid:**

Delete the following from Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
HH	48"-Dia. Pre-cast Storm Sewer Manhole, Complete	EA	4	\$4,475.00	\$17,900

Add the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
HH	48"-Dia. Pre-cast Storm Sewer Manhole, Complete	EA	8	\$4,475.00	\$35,800

Delete the following from Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
JJ	3' x 2' Catch Basin with Sump, Complete	EA	9	\$3,375.00	\$30,375.00

Add the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
JJ	3' x 2' Catch Basin with Sump, Complete	EA	5	\$3,375.00	\$16,875.00

### C.O.1.D 6" PVC to CPEP

Description of Change:

290 feet of 6" PVC Storm Sewer Pipe and Fittings changed to 6" Solid Dual Wall HDPE Storm Sewer Pipe and Fittings.

**Bid Form and Base Bid:**

Delete the following from Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
RR	6" PVC Storm Sewer Pipe and Fittings (P)	LF	380	\$33.50	\$12,730.00

Add the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
RR	6" PVC Storm Sewer Pipe and Fittings (P)	LF	90	\$33.50	\$3,015.00

Add the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
C.O.1	6" Solid Dual Wall HDPE Storm Sewer Pipe and Fittings (P)	LF	290	\$17.30	\$5,017.00

**Measurement and Payment:**

Add the following to Section 01 22 00:

- C.O.1. 6" Solid Dual Wall HDPE Storm Sewer Pipe and Fittings (P)
1. Method of Measurement: 6" Solid Dual Wall HDPE Storm Sewer Pipe and Fittings shall be measured on the basis of plan quantities of unit length in lineal feet (L.F.) as measured on the Drawings between structures by the Engineer, as shown and rounded to the nearest whole foot.
  2. Basis of Payment: Contractor shall be paid a unit price per lineal foot (L.F.) for 6" Solid Dual Wall HDPE Storm Sewer Pipe and Fittings furnished and installed. This unit price shall be payment in full for the costs of all supervision, materials, equipment, labor, supplies, profit and overhead, and performing all operations as are necessary to furnish and install the HDPE pipe of the type and size specified including all fittings and appurtenances, trenching, bedding material, backfilling and compaction around the pipes as shown on the Drawings, all complete as specified.

**Stormsewer Utility Drainage Piping:**

Add the following to Section 33 44 00 PART 2: PRODUCTS:

- 2.12 SOLID DUAL WALL DUAL WALL HIGH-DENSITY POLYETHYLENE PIPE
- A. Solid dual wall high-density polyethylene (HDPE) pipe and appurtenances shall be ADS-N-12® WT Watertight Pipe with bell and spigot design, with gasketed joints, dual-wall with corrugated outer wall with smooth inner wall, or approved equal. Pipe shall be sizes and types indicated on the Drawings and consistent with ASTM F2648 type S. Bell and spigot connections shall utilize a welded or integral bell and valley or inline gaskets meeting the watertight joint performance requirements of ASTM D3212.
  - B. Fittings; elbows, tees, wyes, end caps, shall be compatible to the ADS-Hancor N-12® WT Water Tight Pipe and conform to ASTM F2306.
  - C. Polypropylene compound for pipe and fittings production shall be impact modified copolymer meeting the material requirements of ASTM F2881, Section 5 and AASHTO M330, Section 6.1.

**C.O.1.E Bituminous Pavement Mixes**

Description of Change:

Bituminous mixes designations updated to the Minnesota Department of Transportation Standard Specifications for Construction, 2018 Edition.

**Bituminous:**

Delete the following from Section 32 16 00 PART 2: PRODUCTS:

2.03 BITUMINOUS PAVEMENT BASE

- A. Bituminous pavement shall conform to the requirements of Mn/DOT Standard Specification 2360 for Plant Mixed Asphalt Pavement Type LVNW 35035C Base Course Bituminous Mixture.

Add the following to Section 32 16 00 PART 2: PRODUCTS:

2.03 BITUMINOUS PAVEMENT BASE

- A. Bituminous pavement shall conform to the requirements of Mn/DOT Standard Specification 2360 for Plant Mixed Asphalt Pavement Type LVNWB530B Base Course Bituminous Mixture.

Delete the following from Section 32 16 00 PART 2: PRODUCTS:

2.05 BITUMINOUS PAVEMENT WEARING COURSE

- A. Asphalt wearing course shall conform to the requirements of Mn/DOT Standard Specification 2360 for Plant Mixed Asphalt Pavement Type MVWE 35035C Wearing Course Mixture.

Add the following to Section 32 16 00 PART 2: PRODUCTS:

2.05 BITUMINOUS PAVEMENT WEARING COURSE

- A. Asphalt wearing course shall conform to the requirements of Mn/DOT Standard Specification 2360 for Plant Mixed Asphalt Pavement Type MVWEB540C Wearing Course Mixture.

**Change in Contract Time:**

None

**Total Impact on Contract Price:**

Additional cost of \$6,027.00 is anticipated.

This Change Order No. 1 is:

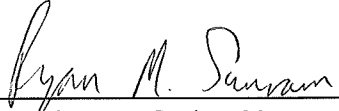


Submitted By: \_\_\_\_\_  
(ENGINEER) Leslie DellAngelo, Project Engineer  
Barr Engineering Company

Date: August 26, 2020

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

Date: \_\_\_\_\_

Approved By: \_\_\_\_\_  
(CONTRACTOR)   
Ryan Sunram, Project Manager  
Peterson Companies, Inc.

Date: 8/27/20

\* \* \* \* \*

# Permit Program

\* \* \* \* \*



# Permit Application Coversheet

Date September 02, 2020

Project Name Shoreview Snail Lake Trail Extension

Project Number 20-29

Applicant Name Tom Wesolowski, City of Shoreview

Type of Development Trail

## Property Description

This project is located north of Gramsie Road near 'Northwest Gramsie Pond.' The applicant is proposing to construct a permeable pavement trail extension that would bypass a flooded pedestrian tunnel nearby and connect to existing trail sections in Snail Lake-Grass Lake Regional Park. In order to raise and replace a low section of existing trail to 886', fill within the floodplain is proposed. Compensatory storage is being provided to ensure no net loss of floodplain storage. The applicant is requesting a variance to District Rule E for temporary wetland buffer impacts. All temporarily disturbed areas will be restored with vegetation. Due to high water, a wetland boundary was conservatively estimated for Northwest Gramsie Pond at 887'. The proposed project will result in an overall decrease in impervious area.

## Watershed District Policies or Standards Involved:

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

## Water Quantity Considerations

The proposed grading plan is sufficient to ensure no adverse floodplain impacts.

## Water Quality Considerations

### *Short Term*

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

### *Long Term*

There are no long term water quality concerns.

## Staff Recommendation

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



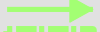

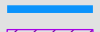

## Attachments:

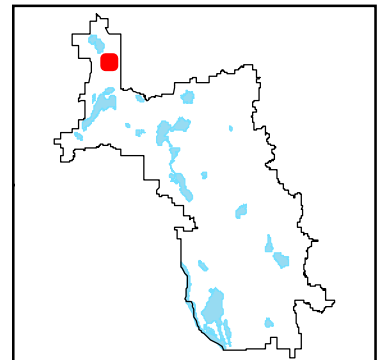
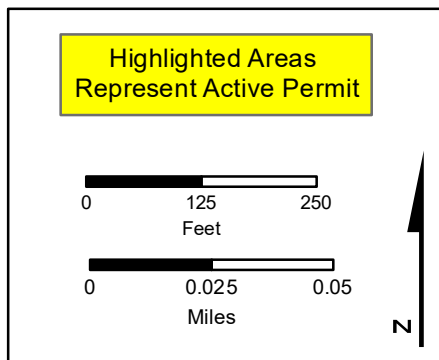
- Project Location Map
- Project Grading Plan

# #20-29 Shoreview Snail Lake Trails



Wetlands	
<span style="color: red;">■</span>	Manage A
<span style="color: green;">■</span>	Manage B
<span style="color: blue;">■</span>	Manage C
<span style="color: lightblue;">■</span>	Lake
<span style="color: gray;">■</span>	Sediment Pond
<span style="color: purple;">■</span>	Not Assessed

	RWMWD Boundary
	Flow Arrows
	Major Flow Arrows
	Subwatersheds
	Creeks
	Permits

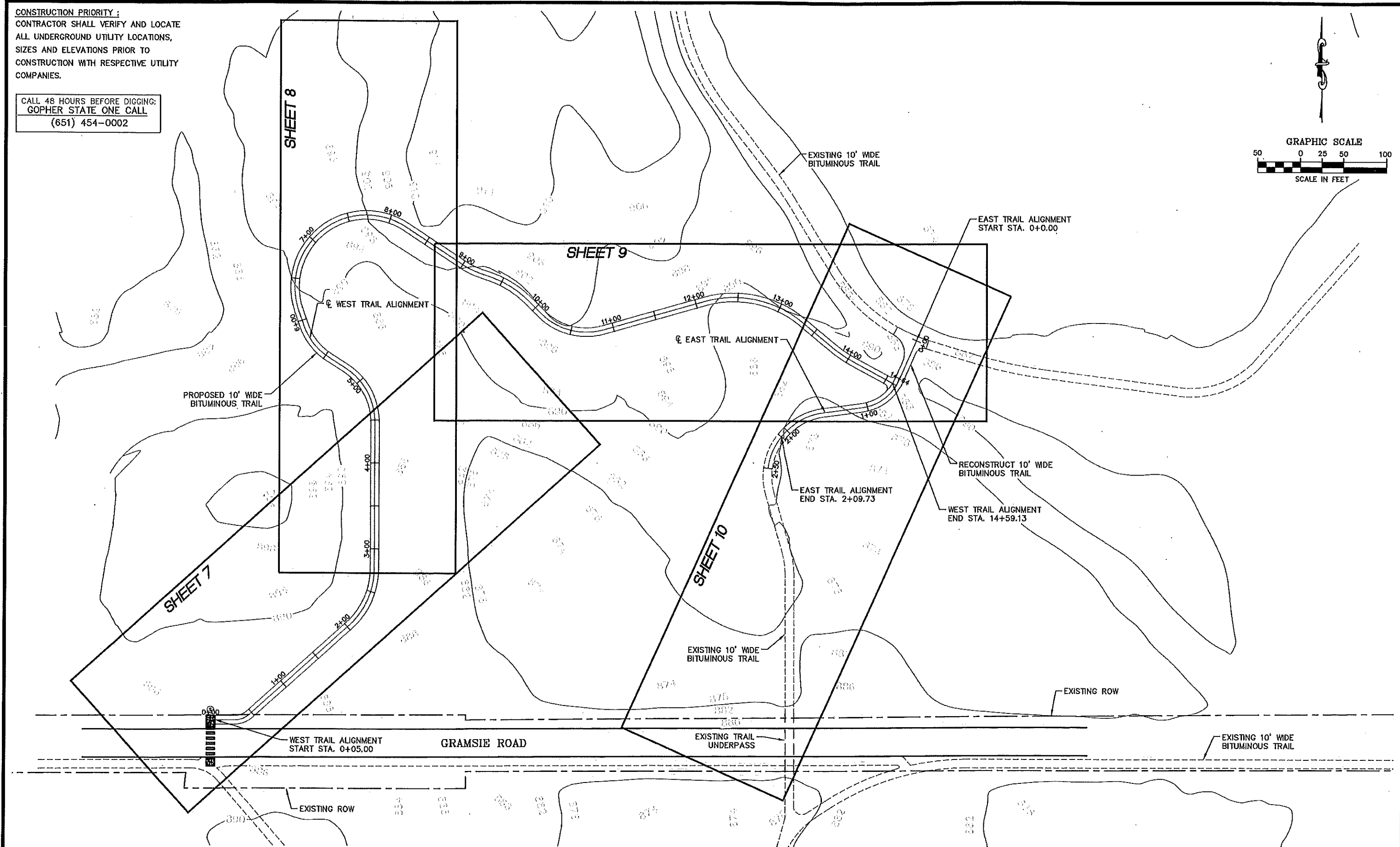
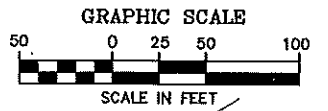


### Special Provisions

1. The applicant shall add a note to the plans to notify Nicole Soderholm, Ramsey-Washington Metro Watershed District, at 651-792-7976 prior to beginning construction activity for an initial SWPPP inspection.
2. The applicant shall add a note to the plans that the specified erosion and sediment control practices are the minimum. Additional practices may be required during the course of construction.
3. The applicant shall submit final, signed plans.
4. The applicant shall submit contact information for the trained erosion control coordinator responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP).
5. The applicant shall submit a copy of the Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.

CONSTRUCTION PRIORITY :  
 CONTRACTOR SHALL VERIFY AND LOCATE  
 ALL UNDERGROUND UTILITY LOCATIONS,  
 SIZES AND ELEVATIONS PRIOR TO  
 CONSTRUCTION WITH RESPECTIVE UTILITY  
 COMPANIES.

CALL 48 HOURS BEFORE DIGGING:  
 GOPHER STATE ONE CALL  
 (651) 454-0002



NO.	DATE	REVISIONS	BY	APP.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM DULY A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
 SIGNED: *Thomas E. Wesolowski*  
 THOMAS E. WESOLOWSKI  
 REG. NO. 40245 DATE: JULY 16, 2020

DESIGNED BY: DKY  
 DRAWN BY: DKY  
 CHECKED BY: TEW



GENERAL LAYOUT

SNAIL LAKE REGIONAL PARK TRAIL IMPROVEMENTS  
 CITY PROJECT NO. 20-05 SHEET NO. 2 OF 18 SHEETS

**Snail Lake Trail Extension Project – Stormwater Narrative**  
**Revised 08/21/2020**

**Project Background:**

Since 2014, the pedestrian tunnel located under Gramsie Road, that connects trails located in the Ramsey County Regional Park area, has been unusable for extended periods of time due to high water levels in the area.

The City, in cooperation with the Ramsey County Parks Department, is planning to install an at grade crossing on Gramsie Road and associated trail section, that would bypass the tunnel and connect the trail sections in the park. The trail extension will allow trail users to bypass the pedestrian tunnel and adjacent trails if they are flooded.

**Project Description:**

The trail extension would consist of a new 10-foot wide bituminous trail, approximately 1,450-lf in length, and the replacement of approximately 250-lf of existing bituminous trail.

Total disturbed area for the project is 1.57-ac, and includes the addition of 0.33-ac of new paved surface and the replacement of 0.06-ac of existing paved surface.

Approximately 600-lf of the trail is located in the City's Suzanne/Gramsie Stormwater Improvement Project area, that is being completed to address high water issues in the area and reduce the flood risk to homes in the Crestview addition and Gramsie Road. The Ramsey-Washington Metro Watershed District (RWMWD) issued permit 20-25 to the City for the stormwater improvement project and the project is currently under construction.

The trail will be installed at a minimum elevation of 886.0, to significantly reduce the chances of future flooding of the trail, and also provide protection to the Crestview addition, located to the west of the trail, from overland flooding from the Grass Lake basin. The minimum elevation for the trail was determined based on a recommendation from the RWMWD and Barr Engineering.

As part of the replacement of the existing trail, a portion will be raised to an elevation of 886.0. Raising the trail will provide separation between Wetland A and the Grass Lake basin area and is being completed based on meetings with the RWMWD and Barr Engineering.

## **Ramsey-Washington Metro Watershed District Rules**

### **Rule C – Stormwater Management:**

The new and replacement trails will be constructed using permeable asphalt pavement. Given the trail is permeable, no additional impervious will be added to the site, and a stormwater management plan for runoff rate and treatment volume is not required.

The permeable asphalt trail will meet the Ramsey County Parks design standards.

### **Rule D – Flood Control:**

Replacing and raising the existing trail results in 410-cy of fill below the 100-yr flood level (884.70) of the adjacent waterbody (NW Gramsie Pond). The compensatory storage will be provided by removing material above the 880.0 elevation and near the pipe inlet and outlet areas that will be installed into the NW Gramsie Pond, as part of the Suzanne/Gramsie Stormwater project. The areas have already been disturbed and restoration required as part of Suzanne/Gramsie project.

### **Rule E – Wetlands:**

The minimum elevation for the trail is 886.0 and the material removed to create the required compensatory storage will be above the 880.0 elevation. Based on the permit application for the Suzanne/Gramsie project, the wetland boundary for the NW Gramsie Pond was estimated to be near the 877.0 elevation. Based on the elevation of the estimated wetland boundary, the construction of the trail will not disturb the NW Gramsie Pond.

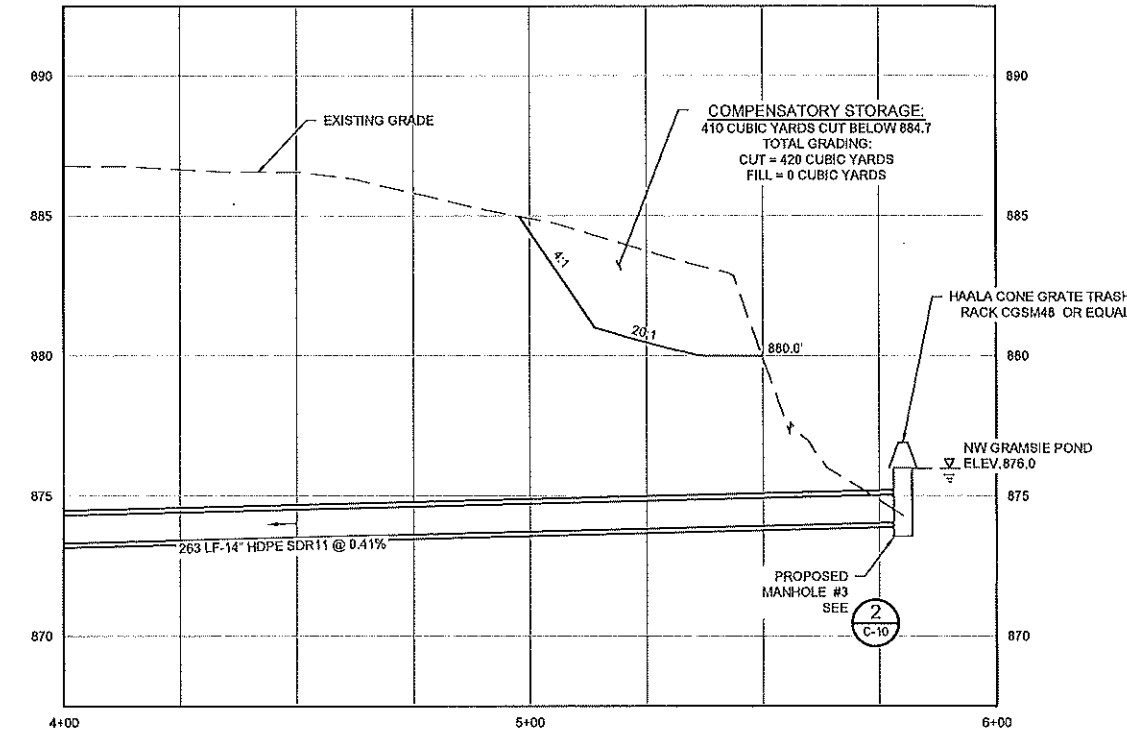
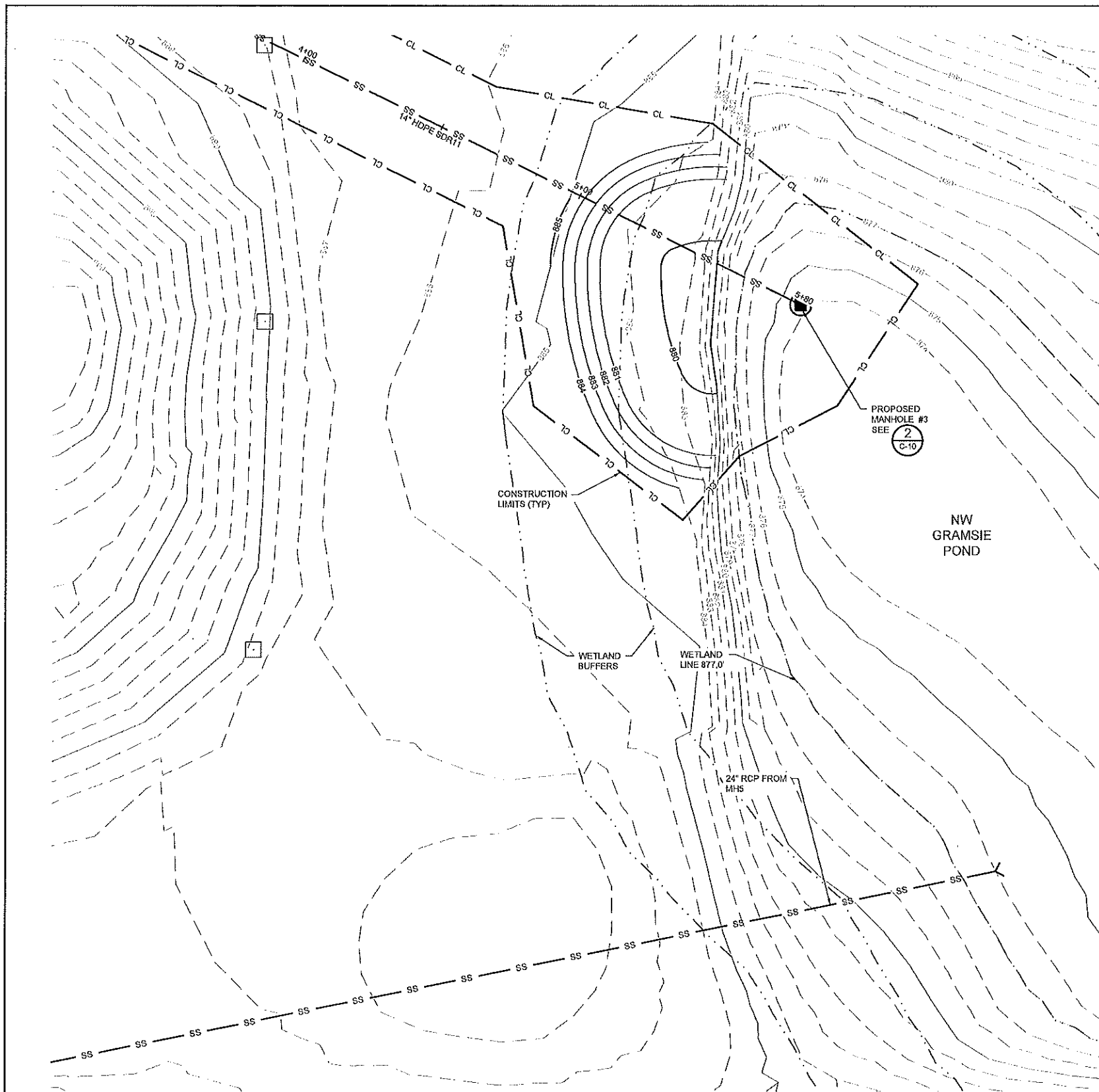
The creation of the compensatory storage will not disturb the NW Gramsie Pond, but there would be temporary impacts to the buffer area. Temporary impacts include clearing, grubbing, and excavation and grading as shown on the attached drawing. The disturbed buffer area will be restored as per the RWMWD requirements.

Ramsey County works with Cardno on restoration projects within their parks. Cardno has expertise in environmental restoration and the city will be contracting with Cardno to restore the areas disturbed by the project, including the compensatory storage area. The contract will also include a management period to establish the vegetation.

### **Rule F – Erosion & Sediment Control:**

A SWPPP along with plans and details for erosion and sediment control is included in the plan set for the project.

CADD USER: Garin N. Bader FILE: M:\DESIGN\2020\2020\17.20\2020\17.20\SSRM-C-14\_COMPENSATORY STORAGE.DWG PLOT SCALE: 1/2"=1'-0" PLOT DATE: 08/12/2020 1:11 PM



2 PROFILE: NW GRAMSIE POND COMPENSATORY STORAGE

- NOTES:
- UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. FIELD VERIFY BEFORE EXCAVATING.
  - COMMUNICATION LINES ARE ASSUMED CONDUIT RUNS. THERE MAY BE MORE THAN 1 LINE PARALLEL TO FEATURES ON DRAWINGS.
  - FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING SANITARY SEWER PRIOR TO INSTALLATION OF HDPE

1 PLAN: COMPENSATORY STORAGE

NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

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

PRINTED NAME: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_  
 DATE: \_\_\_\_\_ LICENSE # \_\_\_\_\_

CLIENT	BID	CONSTRUCTION	RELEASED TO/FOR	A	B	C	0	1	2	3

**BARR** Engineering Co.  
 Project Office:  
 BARR ENGINEERING CO.  
 4300 MARKE TPOINTE DRIVE  
 Suite 200  
 MINNEAPOLIS, MN 55435  
 Corporate Headquarters:  
 Minneapolis, Minnesota  
 Ph: 1-800-632-2277  
 Fax: (952) 832-2661  
 www.barr.com

Scale	AS SHOWN
Date	08/08/2020
Drawn	GWB
Checked	BARR
Designed	GWB
Approved	ELA

CITY OF SHOREVIEW  
 SHOREVIEW, MINNESOTA

SUZANNE GRAMSIE STORMWATER IMPROVEMENTS SHOREVIEW, MINNESOTA		BARR PROJECT No. 23621317.00
COMPENSATORY STORAGE (NW GRAMSIE POND) GRADING PLAN		CLIENT PROJECT No. 20-01
DWG. No. C-14	REV. No. 0	



# RAMSEY-WASHINGTON

## METRO WATERSHED DISTRICT

### MEMORANDUM

**Date:** October 8, 2020

**To:** Board of Managers and Staff

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

**Subject:** September Enforcement Action Report

During August 2020:

<b>Number of Violations:</b>	<b>3</b>
Install/Maintain Inlet Protection	1
Sweep Streets	1
Contain Liquid/Solid Wastes	1

#### Activities:

Permitting assistance to private developers and public entities, miscellaneous inquiries, ongoing ESC site inspections and reporting, WCA administration and procedures, final inspections, BMP maintenance and close-out inspections, new permit review with Barr Engineering, permit team check-in meeting

#### Project Updates:

#20-21 Tartan High School Redevelopment Phase 1 (Oakdale)

Staff conducted an initial erosion control walk-through on August 13<sup>th</sup> with contractors. All necessary erosion and sediment control practices were installed correctly. Staff did note one inlet within a parking lot adjacent to the construction entrance that still needed protection. Staff will continue to visit the site biweekly for routine SWPPP inspections.

#20-02 Conway Recreation Center Athletic Fields (St. Paul)

Staff met with contractors onsite on July 30<sup>th</sup> for an initial erosion control walk-through. Staff observed several items that needed improvement including inlet protection, sediment track-out control, and additional perimeter control at the two lowest points of the site. When



staff returned to the site on August 12<sup>th</sup> they observed that most of these items had been corrected. Staff did note that sediment tracking continued to be extensive and required that inlet protection be installed along hauling routes in addition to more frequent sweeping. Staff will continue to inspect the site regularly alongside onsite contractors.

#### #20-06 Johnson Parkway Trail (St. Paul)

Staff attended an onsite meeting on August 10<sup>th</sup> to observe the installation of one of the filtration basins being installed to treat stormwater onsite. During this meeting staff also conducted an initial erosion control walk-through along the entire length of the parkway project to ensure all necessary erosion and sediment control practices were installed. Staff noted that silt fence installation seemed to end abruptly at each pedestrian crossing which could allow sediment or turbid water to leave during rain events. Staff suggested adding “J Hooks” with silt fence or biolog at the end of runs of silt fence to capture sediment and filter turbid water during rain events. Staff will continue to inspect the site biweekly.

#### #20-22 Maplewood Elementary (Maplewood)

Staff met with contractors on August 7<sup>th</sup> for a site walk-through. During the walk-through staff noted that anti-tracking devices still needed to be installed before grading activity begins, and protection needed on an exposed inlet located in the grass field. During the walk-through staff emphasized the importance of protecting the two large rain gardens that were previously installed onsite through the District’s cost share program. Site contractors were aware of the importance of these rain gardens and ensured staff that they would provide extensive protection before working in this area. Staff will continue to inspect the site regularly and monitor the existing rain gardens.

#### #19-43 CDI Medical Office (Maplewood)

Staff conducted an initial erosion control walk-through on July 30<sup>th</sup> with onsite contractors. Staff made two notes during the walkthrough: 1) to pull sediment away from inlets and add redundant protection 2) regularly rough up the rock entrance due to the heavy flow of traffic entering and leaving the site. Staff returned to the site on August 13<sup>th</sup> for a routine inspection and found several items that needed attention, including rock entrance maintenance, sweeping, inlet protection, perimeter control repair, and stabilization of inactive exposed soil. Staff met with onsite contractors to discuss these items and communicated the urgency to get them done quickly to ensure they stay in compliance with their permits. Onsite contractors detailed how they would make repairs. Staff continue to visit the site regularly.

### **Permits Closed in August 2020:**

- 18-02 Twin City Hardware Expansion (Oakdale)
- 18-28 RWMWD 2019 CIP
- 18-21 Margaret Street Pedestrian & Bike Improvements (St. Paul)
- 19-01 McDonald’s Suburban Ave (St. Paul)
- 19-09 Gladstone Phase 3 (Maplewood)

\* \* \* \* \*

# Stewardship Grant Program

\* \* \* \* \*

**Stewardship Grant Program Budget Status Update**  
**September 2, 2020**

<b>Homeowner</b>	<b>Coverage</b>	<b>Number of Projects: 31</b>	<b>Funds Allocated</b>
Habitat Restoration and rain garden w/o hard surface drainage	50% Cost Share \$15,000 Max	17	\$54,385
Rain garden w/hard surface drainage, pervious pavement, green roof	75% Cost Share \$15,000 Max	9	\$52,150
Master Water Steward Project	100% Cost Share \$15,000 Max	3	\$34,915
Shoreland Restoration	100% Cost Share \$15,000 Max	2	\$35,000

<b>Commercial, School, Government, Church, Associations, etc.</b>	<b>Coverage</b>	<b>Number of Projects: 11</b>	<b>Funds Allocated</b>
Habitat Restoration	50% Cost Share \$15,000 Max	1	\$1,200
Shoreland Restoration (below 100-year flood elevation w/actively eroding banks)	100% Cost Share \$100,000 Max	1	\$200,000
Priority Area Projects	100% Cost Share \$100,000 Max	6	\$425,000
Non-Priority Area Projects	75% Cost Share \$50,000 Max	1	\$50,000
Public Art	50% Cost Share	0	\$0
Aquatic Veg Harvest/LVMP Development	50% Cost Share \$15,000 Max	2	\$17,900
Maintenance	50% Cost Share \$5,000 Max for 5 Years	38	\$30,000
Consultant Fees			\$48,400
<b>Total Allocated</b>			<b>\$948,950</b>

<b>2020 Stewardship Grant Program Budget</b>	
Budget	\$1,000,000
Total Funds Allocated	\$948,950
<b>Total Available Funds</b>	<b>\$51,050</b>

*These numbers include \$16,850 in project funds pending approval at the September 2, 2020 board meeting.*

\* \* \* \* \*

# Action Items

\* \* \* \* \*

# Request for Board Action

---

**Board Meeting Date:** September 2, 2020

**Agenda Item No:** 7A

**Preparer:** Tina Carstens, Administrator

---

---

**Item Description:** Approval of District budget and preliminary levy for fiscal year 2021.

---

---

**Background:**

The board discussed the preliminary budget table at the August Board meeting. That draft budget has been noticed in the legal newspapers and posted on the District web site. No comments have been received to date. The required public hearing will be held at the September board meeting prior to this action item to receive comments. At the public hearing I will give a short presentation on the proposed 2021 budget and preliminary levy and highlight any changes I have made since the August meeting. They are also discussed below.

**Line 5 – Project Feasibility Studies**

\$25,000 was added to this line item to account for further feasibility work that is needed to work with cities and other partners on flood risk reduction projects.

**Line 55 – Targeted Retrofit Projects**

On this line item, I removed the need to levy funds due to the transfer of funds from the Volume Reduction Opportunity Fund. This is shown in carry over along with the planned carry over from this line in previous years. If the board finds this acceptable, I will bring a fund transfer request to the board at a future meeting.

**Line 56 – Stewardship Grant Fund**

After the discussion at the August meeting regarding the potential increased interest in the grant program over the next year, I brought this line item back to the same level as 2020.

**Line 60 – Volume Reduction Opportunity Fun**

This line item is shown as eliminated in 2021 and moved to the Targeted Retrofit Projects budget item. The intent of the fund was to be able to pursue volume reduction/water quality projects in a timely manner. Since this fund was created, we have developed our Targeted Retrofit project process of prioritizing and funding the projects that could also come from this fund. If the board finds this acceptable, I will bring a fund transfer request to the board at a future meeting.

**Line 61 – Flood Risk Reduction Fund**

Following the direction at the August meeting, Barr has continued to pursue the near term projects that would benefit the properties near Owasso Basin to reduce the flood risk in that area. As outlined in the project status report, the following projects are being

proposed to be constructed starting in 2021. These projects are broken out as a single line item in the program budget line item breakout spreadsheet but more details can be found in the project and program status report in this packet. A healthy contingency is also planned to address other flood risk reduction project that may come up over the next year to pursue.

Project Phase Elements	Capital Cost (OPC)
Gervais Creek Cleanout, Weir Removal, Ryan Dr., Localized Berm Grading	\$1,153,000
Keller Parkway Road Conveyance Capacity Increase	\$695,000

With the changes shown on the attached budget table (in purple), the proposed levy increase for 2021 is 0.64%. The preliminary levy amount of \$6,806,623 will be used to file the necessary preliminary levy notification forms with Ramsey and Washington County. Changes to the budget and levy can still be made until the final budget and levy certification at the December board meeting.

**Applicable District Goal and Action Item:**

**Goal: Manage effectively** – The District will operate in a manner that achieves its mission while adhering to its core principles.

**Action Item:** Follow all legal requirements applicable to watershed districts.

**Staff Recommendation:**

Approve the draft budget for purposes of the preliminary levy and approve resolution 20-01.

**Financial Implications:**

The counties require preliminary levy certification by September 30<sup>th</sup> of each year. This step is required for final levy authority in December.

**Board Action Requested:**

Approve the draft budget for purposes of the preliminary levy and approve resolution 20-01.

Fiscal Year 2021 Budget V3  
Preliminary Budget and Levy Approval

Budget ID Number	Budget Item	FY 2020 Budget	FY 2021 Budget Funding Source				Total Proposed 2021 Budget	Increase (decrease) from 2020 Budget	
			General Fund	Capital Improvements	Carry-over Funds	Other Funds			
1	Engineering	Administration	93,000	93,000			93,000	0	
2		Engineering Review	55,000	55,000			55,000	0	
3		Permit Application Review	55,000	55,000			55,000	0	
4		Permit Inspection and Enforcement	10,000	10,000			10,000	0	
5		Project Feasibility Studies	570,000	310,000	130,000		440,000	(130,000)	
6		GIS Maintenance	5,000	5,000			5,000	0	
7									
8	Attorney	General	40,000	40,000			40,000	0	
9		Permit Enforcement	10,000	10,000			10,000	0	
10									
11	Managers	Meeting Per diems	8,500	8,500			8,500	0	
12		Managers Expenses	3,500	3,500			3,500	0	
13									
14	Auditor/Accounting	Auditor/Accounting	60,000	65,000			65,000	5,000	
15									
16	Miscellaneous	Dues & Publications	11,000	11,000			11,000	0	
17		Insurance	40,000	45,000			45,000	5,000	
18		Committee & Board Meeting Expenses	3,500	3,500			3,500	0	
19		Miscellaneous	5,000	5,000			5,000	0	
20									
21	Administrative	Salary & Benefits	1,450,000	1,520,000			1,520,000	70,000	
22		Employee Expenses	10,000	15,000			15,000	5,000	
23		Janitorial/Trash Services/Snow Plowing	15,000	15,000			15,000	0	
24		Building Maintenance	200,000	150,000			150,000	(50,000)	
25		Utilities (gas,electric, water, sewer, maintenance)	20,000	25,000			25,000	5,000	
26		Office Supplies	5,000	7,000			7,000	2,000	
27		Copying/Printing	8,000	8,000			8,000	0	
28		Postage/Delivery	5,000	3,000			3,000	(2,000)	
29		Office Furniture & Computer Equipment	150,000	150,000			150,000	0	
30		Office Equipment Maintenance	3,000	3,000			3,000	0	
31		Training/Education	25,000	25,000			25,000	0	
32		Telephone	8,000	8,000			8,000	0	
33		District Vehicles/Maintenance	43,000	43,000			43,000	0	
34		GIS System Maintenance & Equip.	10,000	5,000			5,000	(5,000)	
35		Data Base Improvements	5,000	40,000			40,000	35,000	
36		IT Services/Internet/Website/Software Licenses	55,000	70,000			70,000	15,000	
37		Outside Program Support	57,000	57,000			57,000	0	
38		Outside Consulting Services	40,000	20,000			20,000	(20,000)	
39									
40	Program	Lake Studies/WRPPs/TMDL Reports	173,000	103,000			103,000	(70,000)	
41	Activities	Natural Resources Program	140,000	140,000			140,000	0	
42		Water Monitoring-Lab Costs & Equip.	185,000	180,000			180,000	(5,000)	
43		Lake Macrophyte Monitoring and Internal Load Management	10,000	70,000			70,000	60,000	
44		Research Projects	95,000	95,000			95,000	0	
45		Project Operations	160,000	200,000			200,000	40,000	
46		Education Program	60,000	60,000			60,000	0	
47		Communications and Marketing	25,000	25,000			25,000	0	
48		Events	50,000	50,000			50,000	0	
49		NPDES Phase II	10,000	0			0	(10,000)	
50		Health & Safety Program/Staff In-House Training	3,000	3,000			3,000	0	
51									
52	Capital Improvements	Maplewood Mall SRF Loan Debt Service	92,611		92,238	0	92,238	(373)	
53	Summary	Beltline and Battle Creek Tunnel Repair Debt Service	307,463		0	302,663	302,663	(4,800)	
54		District Office Building Bond Payment	194,885		194,885	0	194,885	0	
55		Targeted Retrofit Projects	1,012,000		0	2,100,000	2,810,000	1,798,000	
56		Stewardship Grant Fund	1,000,000		700,000	300,000	1,000,000	0	
57		Project Repair & Maintenance	1,115,000		825,000	500,000	1,325,000	210,000	
58		Wetland Restoration Projects	0		500,000	0	500,000	500,000	
59		Wakefield Park Project	100,000		0	0	0	(100,000)	
60		Volume Reduction Opportunity Fund	1,600,000		0	0	0	(1,600,000)	
61		Flood Risk Reduction Fund	4,000,000		2,000,000	2,200,000	4,200,000	200,000	
		<b>Totals</b>	<b>13,411,459</b>	<b>3,809,500</b>	<b>4,312,123</b>	<b>5,532,663</b>	<b>710,000</b>	<b>14,364,286</b>	<b>952,827</b>

	Budget Total	Budget Total By Fund		Proposed Levy
		General Fund	CIB	
2021 Budget Total and totals by fund	14,364,286	3,939,500	10,424,786	6,806,623
2020 Budget Total and totals by fund	13,532,258	4,124,500	9,407,758	6,763,498
2021 Budget Increase or (Decrease) from 2020 Budget	832,028	(185,000)	1,017,028	43,125
2021 Budget % change from 2020 Budget	6.15%	-4.49%	10.81%	0.64%

## 2021 Budget Program Line Item Breakouts

<b>Project Feasibility Studies (Line 5)</b>	
Emergency Response Plans	\$60,000
Groundwater Next Steps Planning	\$50,000
Hillcrest Golf Course & Gold Line BRT Planning	\$40,000
Flood Risk Reduction Feasibility Continued Work	\$125,000
Battle Creek PFAS	\$25,000
694/494/94 Water Quality Feasibility Study	\$30,000
Subwatershed Assessment for At-Risk Creeks (Fish and Gervais)	\$35,000
Wetland Restoration Workshop, Education, Planning	\$25,000
Contingency	\$50,000
Total =	\$440,000

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

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

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

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



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

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

<b>Targeted Retrofits (Line 55)</b>	
North St. Paul Target	\$1,400,000
St. Rose of Lima	\$260,000
Cemstone Stormwater Reuse	\$300,000
Contingency and Other Prioritized Projects	\$850,000
Total =	\$2,810,000

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

<b>Flood Risk Reduction Fund (Line 61)</b>	
Keller Channel Weir and Phalen Outlet Modifications (2021)	\$150,000
West Vadnais Lake Emergency Overflow - Twin Lake By-Pass	\$50,000
Owasso Basin Flood Risk Reduction Projects	\$2,000,000
Other Flood Risk Reduction and Coveynace Feasibility Study Implementation Projects + Contingency	\$2,000,000
Total =	\$4,200,000

Items shown on these budget line item breakouts are subject to change. Projects are identified but may need adjustments or additional project opportunities with similar goals may be determined during the year.

## 2021 BUDGET NARRATIVE

Budget Line No.	Item & Description	Budget Amount	Change from '20 increase (decrease)
<b>General Fund Budget Summary:</b>			
1	<p><b>Engineering - Administration</b> Oversight of all District Engineering activities, supervising staff assigned to projects, responding to general inquiries of the public and the Board, and preparing correspondence and billings. Engineering attendance at meetings of the District-covers Board and related project meetings, mini case studies, data collection, analysis, preparation of reports as requested by the managers and assisting in District water management planning activities.</p>	93,000	0
2	<p><b>Engineering - Review</b> Review and comment on plans and proposals submitted to the District for review relative to District regulations, policies and concerns. Assist communities and counties with data and information needs related to projects and plans.</p>	55,000	0
3	<p><b>Engineering - Permit Application Review and Processing</b> Provides for Engineering assistance in review of all permit applications, clarifying problems with the developer, meet developer on-site, coordinate permit issues with communities, counties, and other regulatory bodies.</p>	55,000	0
4	<p><b>Engineering - Permit Inspection &amp; Enforcement</b> Inspect projects when a designed improvement is involved and requested by District staff.</p>	10,000	0
5	<p><b>Engineering - Project Feasibility Studies</b> This item provides a budget item for annual feasibility studies in preparation of future capital improvement projects. See Program Budget Line Item Breakout table. Some of these studies are carryover from 2020 that will not be completed in time while some are new.</p>	440,000	(130,000)
6	<p><b>Engineering - GIS Maintenance</b> Provides funds for maintenance and assistance of the District GIS system.</p>	5,000	0

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

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

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

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

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

<b>Budget Line No.</b>	<b>Item &amp; Description</b>	<b>Budget Amount</b>	<b>Change from '20 increase (decrease)</b>
55	<p><b>Targeted Retrofit Projects</b></p> <p>This budget is to fund projects that have been targeted by the District as a priority project for water quality and natural habitat. Projects are vetted in the current year and potential project implementations are planned for 2021. Projects with the most potential at this time for 2021 are shown on the attached list. Other projects identified to meet the goals for targeted retrofits may also present themselves over the next year. Staff will manage projects within the proposed Targeted Retrofit Projects budget and present them to the board as they develop. This budget includes levy funds, carryover, stormwater impact funds, and potential grant funds. This line can also be amended to shift Volume Reduction Opportunity Funds as the same parameters for projects apply.</p>	2,810,000	1,798,000
56	<p><b>Stewardship Grant Fund</b></p> <p>Provide funds for cost-share assistance to local road authorities, churches, public and private developers and homeowners for funding of volume reduction, habitat restoration, and other practices above the requirements of District rules.</p>	1,000,000	0
57	<p><b>Project Repair and Maintenance</b></p> <p>Provides funds for the maintenance of District projects and trunk conveyor system. Also includes funds for continuation of a BMP maintenance program and a contingency fund. See attached list.</p>	1,325,000	210,000
58	<p><b>Wetland Restoration Projects</b></p> <p>This is a placeholder for the board to consider for projects that would include wetland restoration work. This item can be fine-tuned for the rest of this year and the board can consider hearing about the restoration site search and potential project prioritization and whether or not to direct staff to implement a project.</p>	500,000	500,000
59	<p><b>Wakefield Park Project</b></p> <p>This project is complete and will be removed from in 2021.</p>	0	(100,000)



<b>Budget Line No.</b>	<b>Item &amp; Description</b>	<b>Budget Amount</b>	<b>Change from '20 increase (decrease)</b>
60	<p><b>Volume Reduction Opportunity Fund</b></p> <p>This fund is proposed to be closed and transferred to the Targeted Retrofits Fund to be used in 2021.</p>	0	(1,600,000)
61	<p><b>Flood Risk Reduction Fund</b></p> <p>Provides funds for flood control projects including acquisition or flood proofing of existing flood prone structures. Assistance to cities to reduce flood risks in areas identified by District modeling of Atlas 14 storm events could also be included. Approximately \$2,000,000 would be carryover from 2020 and \$2,200,000 would be levied in 2021. These proportions will be fine-tuned as the year goes on ahead of the final levy approval in December. This fund pools money for projects that meet the board's flood risk reduction goals. Some of the carryover will be needed to finish up the 2020 Keller Channel Weir and Phalen Outlet Modifications project as well as to be prepared for the potential need to activate the West Vadnais Lake Emergency overflow Twin Lake Bypass. Projects identified out of the Owasso Basin Flood Risk Reduction Feasibility Study are included and listed in the line items breakout attachment.</p>	4,200,000	200,000



## RESOLUTION 20-01

### RESOLUTION APPROVING THE PRELIMINARY PAYABLE 2021 TAX LEVY

WHEREAS, the Ramsey-Washington Metro Watershed District (District) prepared a budget for fiscal year 2021 to implement the District's programs and projects as defined in the District's Watershed Management Plan; and

WHEREAS, the District distributed the proposed budget and levy for review and comment and conducted a requisite public hearing on September 2, 2020;

NOW, THEREFORE, BE IT RESOLVED by the Board of Managers of the Ramsey-Washington Metro Watershed District that the following preliminary levy be certified to Ramsey and Washington Counties.

General Revenue Levy	\$6,411,722
<u>Debt Service Levy</u>	<u>\$394,901</u>
Total Levy	\$6,806,623

Adopted by the Board of Managers of the Ramsey-Washington Metro Watershed District this 2<sup>th</sup> day of September, 2020.

\_\_\_\_\_  
Marj Ebensteiner, President

Attest:

\_\_\_\_\_  
Dianne Ward, Secretary

\* \* \* \* \*

# Administrator's Report

\* \* \* \* \*

## MEMO

**TO:** Board of Managers and Staff  
**FROM:** Tina Carstens, Administrator  
**SUBJECT:** September Administrator's Report  
**DATE:** August 27, 2020

### A. Meetings Attended

Wednesday, August 5	6:30 PM	Board Meeting
Thursday, August 13	9:30 AM	Twin Lake Resident Discussions
	10:30 AM	Project Update Meeting with Barr
Tuesday, August 18	1:00 PM	Ramsey Co Finance Meeting
Monday, August 24	9:00 AM	Meet with City of Little Canada

### B. Upcoming Meetings and Dates

October Board Meeting	October 7, 2020
Water Resources Virtual Conference	October 20-21, 2020
November Board Meeting	November 4, 2020
MAWD Virtual Annual Meeting	December 1-4, 2020
December Board Meeting	December 2, 2020

### C. COVID-19 Update

Just a quick update to say that we are continuing the course as we have for the spring and summer. The office remains closed to the public with access to staff from residents available through email and phone. That process has worked well over the last several months and we have not run into any issues with having the office closed. Staff continue to both work from home and work in the field. We require masks to be worn in the office and in the field when the 6 foot social distance cannot be maintained. Many staff continue to work mostly from home. Again this has been going well and while we all miss having everyone in the office together, work projects have continued to move forward and collaborations among staff still is happening virtually. I continue to monitor the guidance from the Minnesota Department of Health and will amend our office plans as need be.

**D. Conference Virtual Events**

Due to COVID-19 concerns, most of the fall conferences are planning virtual events. Two events coming in the next several months may be of interest to you to attend virtually.

The Minnesota Water Resources Conference is being held October 20-21 and will be using Zoom for presentations. The sessions will be organized similar to the in person conference and will be moderated by volunteers. Discussion will also be encouraged as part of the sessions. This conference offers a variety of subjects that relate to water resources. You can find information on the conference and the draft program here:

<https://conference.umn.edu/minnesota-water-resources-conference>. If you are interested in attending this conference, please let me know and Debbie will register you. The early bird registration ends on September 25<sup>th</sup>.

The Minnesota Association of Watershed Districts (MAWD) Annual Meeting event will also be held virtually this year. You may have received email notifications on that. I will be sure to forward on information on this virtual event as it becomes available.

\* \* \* \* \*

# Project and Program Status Reports

\* \* \* \* \*

## Memorandum

**To:** Board of Managers and Staff  
**From:** Tina Carstens and Brad Lindaman  
**Subject:** Project and Program Status Report – September 2020  
**Date:** August 27, 2020

### Project feasibility studies

---

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

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

Barr presented the initial findings of this feasibility study to the District Board of Managers at the August board meeting, utilizing the story map platform to deliver the update. A link to this story map is available on the District's website.

During the presentation, District Managers requested Barr coordinate with the City of Little Canada to understand how the subprojects evaluated correlate with the City's long-term, comprehensive plan for the Owasso Basin area. Understanding the magnitude of the commitment required by the District to undertake one of the potential subprojects discussed, the Board of Managers also requested Barr to continue the discussion with potential funding partners. Finally, the Board of Managers requested an analysis and summary of the likely capital cost and benefit of implementing select elements of the larger-scale project (i.e., near-term projects) that can more readily be implemented by the District. During this period, Barr has worked to address these requests, with an update on each provided below.

On August 24, RWMWD and Barr staff met with Bill Dircks and Chris Heineman from the City of Little Canada to discuss the city's plans for North Star Estates and the industrial areas along Ryan Drive and Spruce Street. According to the city's 2040 comprehensive plan, the North Star Estates-manufactured home park will be an important part of meeting Little Canada's affordable housing goals for the foreseeable future. In addition, the city will rezone some of the other properties in the area to reflect different levels of industrial land use (other than "industrial park"). Going forward, many work elements in and around Owasso basin may be able to be coordinated with the city.

Barr also discussed funding options with the Minnesota Department of Natural Resources (DNR). Although opportunities exist, the application process for DNR funding can take several funding cycles and can depend on how the project compares to others on the list each year. As the board continues to

consider options in this area, RWMWD and Barr will keep tracking the most competitive opportunities for DNR funding and will submit an application if the board desires.

Barr performed individual model simulations of select smaller elements of the larger-scale subprojects to understand the flood-risk reduction benefit of implementation and developed a corresponding opinion of probable cost (OPC) for each. These “near-term projects” and corresponding costs are provided for District consideration and to inform the 2021 budgeting process.

The near term project elements that include the Gervais Creek cleanout between Owasso Basin and Country Drive and the localized berm grading on the west side of Owasso Basin represent maintenance items and staff recommends including those in the CIP maintenance and repair 2021 project. In addition, the small weir removal should be included in the annual maintenance project as well. The raising of Ryan Drive and the corresponding conveyance culvert enlargement will reduce risk to businesses west of Owasso Basin are also recommended for 2021. In addition, The Keller Parkway road conveyance capacity increase is another recommendation for consideration in 2021, as it would remove 4 homes from the floodplain. These are near term projects listed in Table 1 listed as Phase 1 and Phase 2. Both phases are recommended for implementation in 2021.

**Table 1: Summary of Possible Phased Approach for Implementation of Near-Term Projects**

Phase : (Implementation Year)	Project Phase Elements	Primary Benefit (Structures removed) <sup>4</sup>	Capital Cost (OPC) <sup>3</sup>	OPC Accuracy Range (-30%/+50%) <sup>3</sup>	Cost/ Structure
Phase 1: 2021 <sup>2</sup>	Gervais Creek Cleanout, Weir Removal, Ryan Dr., Localized Berm Grading	10	\$1,153,000	\$807,000 to \$1,729,000	\$115,300
Phase 2: 2021	Keller Parkway Road Conveyance Capacity Increase	4	\$695,000	\$487,000 to \$1,043,000	\$173,750
Phase 3: 2022 <sup>1</sup>	West Industrial Park Berm and Pipe with Pond Development	8	\$2,160,000	\$1,615,000 to \$3,460,000	\$288,375
<b>Total</b>		<b>22</b>	<b>\$4,155,000</b>	<b>\$2,909,000 to \$6,232,000</b>	<b>\$188,864</b>

<sup>1</sup>Pond development scenario presented does not consider recent feedback from the meeting with the City of Little Canada noted below. From that conversation, the proposed pond location is potentially subject to change, which could alter model results.

<sup>2</sup>The impact of Keller parkway road reconstruct is dependent on upstream modifications. Preliminary model results require further validation.

<sup>3</sup>This feasibility-level (Class 5, 0-10% design completion per AACE International Recommended Practice No. 17R-97, 2011) opinion of probable cost (OPC) capital cost estimate is based on feasibility-level designs, alignments, quantities and unit prices, and includes preliminary engineering design (PED), construction management (CM),



**To:** Board of Managers and Staff  
**From:** Tina Carstens and Brad Lindaman  
**Subject:** Project and Program Status Report September 2020  
**Date:** August 27, 2020

Page 3

and a 25-percent contingency. Costs will change with further design. Time value-of-money escalation costs are not included. A construction schedule is not available at this time. Contingency is an allowance for the net sum of costs that will be in the Final Total Project Cost at the time of the completion of design, but are not included at this level of project definition. The estimated accuracy range for the Total Project Cost as the project is defined is -30% to +50%. The accuracy range is based on professional judgement considering the level of design completed, the complexity of the project and the uncertainties in the project as scoped. The contingency and the accuracy range are not intended to include costs for future scope changes that are not part of the project as currently scoped or costs for risk contingency. Operation and Maintenance costs are not included.

<sup>4</sup>The quantity of structures removed from the 100-year inundation footprint presented are estimated based on available information and are intended to communicate the likely benefit of implementing the project(s). Quantities are subject to change based on detailed site survey information.

One of the near-term projects Barr evaluated was the effect of constructing a pond on a vacant land parcel that is currently available for sale near Owasso Basin in the northwest corner of the intersection between Spruce St. and S. Owasso Blvd. E. A pond in this location would provide both flood risk reduction to some surrounding structures, as well as a reduction of phosphorus loadings to Gervais Creek (which is currently at risk of nutrient impairment). This project is identified as Phase 3 in the table above.

A variation of the Phase 3 elements was also discussed in our meeting with the City of Little Canada. Concepts offered by the City included the coordination with Q3 Contracting to relocate across Spruce Street and using their existing space for possible expansion of Owasso Basin and/or a construction of a separate pond. In addition, the city suggested coordination with the Fra-Dor property owners for a partial, smaller-scale property acquisition to expand Owasso Basin to offset floodplain fill in the event a levee/berm option is constructed around the north and west portions of North Star Estates. On-going discussions in 2021 for Phase 3 elements will be needed to prepare for future implementation. Only coordination meetings and option development of this phase (no implementation) is recommended next year.

During the next period, Barr will continue to address feedback from the board to advance the feasibility study, with the objective to ultimately compile the findings into a comprehensive report and technical memorandum. The information in this study will be used to inform budget decisions for 2021 and a path forward for the area in the future.

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

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

This period, Barr responded to board comments on the study findings and is currently working on incorporating any changes into the final technical memorandum. Responses to board comments were shared with the managers at the August board meeting. No further comments were received.

---

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

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

This period, Barr continued to evaluate the effectiveness of increasing storage in the golf course areas upstream of the low-lying homes in lowering the flood level of the wetland complex east of Highway 61. We will also evaluate the effectiveness of increasing storage near Willow Lake itself, in order to increase flood capacity downstream during large storm events passing through the Phalen Chain of Lakes. A complete technical memorandum for the project is planned for completion this fall.

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

*The purpose of this study is to evaluate the benefit-cost relationships of infrastructure changes that would remove habitable structures from the floodplain in this area. This study will be phased. The first phase will involve communications with the City of Saint Paul about how to approach flood management in this area, which involves both regional and localized flooding issues. The second phase (if pursued) will encompass reviewing potential pipe alignments, land acquisition costs, utility conflicts, permitting issues, and related design as well as construction and long-term maintenance costs associated with each alternative that achieves the project objective, as defined in partnership with the city.*

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

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

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

Barr addressed DNR comments on the preliminary hydraulic models. Updated models, supporting documentation, and comment responses have been provided to the DNR.

In September, we will begin developing floodplain inundation files following the methodology provided by the DNR. We estimate that draft GIS files will be submitted for DNR review in mid-September. Due to the DNR's extended review of the first draft of the stormwater model, the project schedule was extended and will now continue into 2021.

---

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

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

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

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

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

A workshop with board managers to discuss potential changes is being planned for later this fall.

---

**Water quality monitoring and other district project monitoring**

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

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

The Lake Owasso station is now fully functional and is reading and recording lake elevations. Barr has added the Lake Owasso station to the VDV (voice/data/visual) website, so both Barr and RWMWD staff have access to real-time and historical data, graphs, etc.

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

Peterson Co. has provided a quote for construction and electrical work to install new monitoring stations at Spoon, Tanners, Battle Creek, and Twin lakes (new). The RWMWD is working with land-owning entities to complete written agreements for each of these sites. Equipment for the stations has been ordered, and delivery is expected in the coming weeks.

---

## Capital improvements

---

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

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

Construction of permeable pavements is underway at the East Side Boys and Girls Club. The contractor has begun excavation and installation of the drainage subbase rock with drain tile that will support the permeable paver system and detain runoff. Barr worked with the contractor (Outdoor Lab) and the City of Saint Paul on permitting issues regarding the connection to local storm sewer structures. Work is on hold awaiting a City inspection that is set to happen in early September. The permeable parking area will not only reduce water volume runoff, but will also solve localized flooding issues that made a large portion of the parking lot unusable for weeks at a time.

Construction at Redeemer Lutheran is almost complete. Barr worked with the contractor and church representatives to expand the 2019-constructed basin to add additional capacity to the infiltration basin. The basin was shaped, soil placed, underdrains and piping installed, and planted all within the week of August 10<sup>th</sup>. We anticipate the few outstanding items – some sodding and mulching, riprap, and other minor items – to be addressed by the contractor (Outdoor Lab) in the next few weeks for final acceptance in early September.

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

*The purpose of this project is to design, provide bid assistance for, and oversee construction of BMP retrofits at two Target retail stores and a Motel 6.*

Notice to proceed was presented to Sunram on August 11, and the preconstruction meeting was held on August 12. Construction is expected to begin the week of August 24. We have resumed design development for the North Saint Paul site and will complete draft construction plans for RWMWD and Target review this fall.

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

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

The current design includes use of an upstream flow treatment cell approach. This design will be tested first as two 12-foot cells. A conceptual design drawing has been submitted for inclusion in the 2021 CIP.

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

*The purpose of this project is to incorporate green-infrastructure stormwater management into the Aldrich Arena campus renovations. The parking lot will be full-depth reclaimed by Ramsey County, which*

**To:** Board of Managers and Staff  
**From:** Tina Carstens and Brad Lindaman  
**Subject:** Project and Program Status Report September 2020  
**Date:** August 27, 2020

Page 7

*itself will not trigger the need for a RWMWD permit. The partnership between the RWMWD and Ramsey County will achieve treatment of runoff from the parking lots where none currently exists. A formalized joint-powers agreement outlining the partnership cost sharing, roles, and responsibilities was crafted between the RWMWD and Ramsey County.*

The majority of rain-garden grading, repair, and reconstruction was completed in 2019. Plantings were installed this year. Final record documentation, punch-list development, and vegetation establishment are ongoing. The RWMWD's portion of the project is expected to be complete this summer. The RWMWD has committed to providing two years of rain-garden and tree-vegetation-establishment maintenance after the project is accepted.

An onsite punch-list walkthrough was completed August 13 with the contractors, county, and RWMWD. The contractor will resolve remaining punch-list items with input from Barr on reseeding, plant replacements, and other minor modifications.

**Keller channel weir and Phalen outlet resiliency modifications (Barr project manager: Greg Nelson; RWMWD project manager: Tina Carstens)**

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

This period, Barr began preparing the bid package. In addition, information is being collected on system requirements for and configuration of the gate operation. Necessary permitting applications are in progress and will be submitted soon. Bids will be received in September and will be offered to the managers at a future board meeting for consideration of an award.

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

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

Construction started on August 17 after a slight delay due to COVID-19. During the first week of construction, Rachel dewatered the Minnesota Department of Transportation (MnDOT) pond, excavated around the high-pressure petroleum pipeline, and installed the piped outlet. The photos below show construction activity during the project.



***August 19, 2020, facing southeast: The contractor is shown installing the flared end section in the MnDOT stormwater pond, which has been dewatered to allow for outlet installation. Following construction, the flared end section will be below the normal water level of the pond.***



***August 21, 2020, facing northwest: The MnDOT pond is to the left (not shown). The concrete box is the manhole where the dropdown weir and backflow preventer will be located. The contractor is shown backfilling and compacting the pipe.***



The photo above was taken on August 24. The outlet pipe and gate manhole are fully installed. Key remaining items include installation of the water control gate and backflow preventer as well as final restoration and are expected to be completed in late August or early September.

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

---

## CIP project repair and maintenance

---

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

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

Fitzgerald Excavating & Trucking, Inc. has finished work on all sites associated with the original project. In addition, under a change order to this contract, Fitzgerald has completed the lowering of the West Vadnais Lake outlet and installation of the Twin Lake bypass manhole and the West Vadnais Lake overflow swale. The West Vadnais Lake outlet is operational at its new elevation, as are the overflow swale and bypass manhole.

This month, we continue to wait for the contractor to install the weir gate at the West Vadnais Lake outlet. Gate delivery has been delayed by the manufacturer. Once installed, the project will be complete and the contract closed out.

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

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

As mentioned last month, based on our preliminary findings, a few specific defects warrant consideration for near-term rehabilitation. The repairs are localized and specific and outside of the previous project repair extents. These repairs will be completed and a comprehensive report provided this winter, when flows subside and the tunnel can be accessed safely.

---

## Project operations

---

### **2020 Tanners Lake alum facility monitoring (Barr project manager: Meg Rattei; RWMWD project manager: Eric Korte)**

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

The alum treatment facility was shut down around August 10 due to problems with the alum pump, which has been sent out for repair. From April through facility shutdown, samples have been collected weekly from the facility inflow and outflow, in compliance with the general NPDES/SDS permit for MS4s.

---

## Lake studies

---

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

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

**To:** Board of Managers and Staff  
**From:** Tina Carstens and Brad Lindaman  
**Subject:** Project and Program Status Report September 2020  
**Date:** August 27, 2020

---

Page 10

Sediment coring of several lakes (Emily, Owasso, Battle Creek Lake, Beaver, Round, Kohlman, Bennet, and Wakefield) was completed in late May, and core testing produced data to help advance the study. Barr and the RWMWD are organizing and analyzing the data to develop an approach for improving the water quality of shallow and deep lakes by better controlling their internal nutrient loads. Efforts during this period include preliminary development of a simplified approach to model internal phosphorus load contribution to surface waters of deep and shallow lakes. Progress was made on Lake Owasso to determine if internal loads reach the lake surface during a typical year.

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

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

A shallow lake model developed for Kohlman Lake is being used to better understand the dynamics between aquatic plants and internal loading and will guide plant management efforts in Wakefield Lake going forward. This summer, the RWMWD gathered aquatic plant data from the lake's second field survey and determined the dry weight content for Barr's use in the lake model.



## Natural Resources Update – Bill Bartodziej and Simba Blood

### Wetland- A – Ecological Restoration

July was a huge month for us, as we addressed the southern half of the Phase II restoration area. This amounts to over 1,000' of buffer on the west side of Wetland A. We controlled invasive herbaceous weed species, cleared brush with the help of a CCM crew (supported by Ramsey County), mowed down weedy thatch (using a RCC tractor), seeded with a custom short grass prairie seed mix (our seeder and gator), installed hundreds of prairie plants with volunteers, installed over 1,000 wetland shore plants (30 species), and planted over 1,200 1-gallon containers of emergent plant species at a range of water depths. We plan to finish this restoration section over the next few weeks. This will give plants some time to establish before we are visited by freezing temperatures.

We are very pleased with the progress made so far this season. Our overall work protocol is less efficient this year due to the Covid-19 precautions. However, we are adapting and getting the work completed.



CCM crew dragging buckthorn that was cut by NR staff.

The positive comments from the park users continue to become more numerous out in the field, mainly due to the Phase I area maturing and becoming the centerpiece of the wetland. This now seems to be a local destination for area residents. The foot traffic is up substantially. In addition, the magnitude of the work being completed over the summer in the Phase II area makes it apparent that the watershed is really committed to improving the quality of the buffer and contributing to the preservation of the regional park. Sage and Lauren will be discussing education and outreach options. We would like to highlight the restoration work being done, the ecological qualities of the wetland, and the importance of the plant and animal species present on site. We will likely use a combination of signage on site, an education program in the field, and easily accessible web-based materials. There will be more to come on this effort over the next few weeks.



**Numerous piles of cut buckthorn was stacked off the pathway.**



**Weedy ground cover material was mowed in the buffer.**



**After site preparation, our gator and prairie seeder worked overtime.**



**NR staff watered right after the seeding was completed.**



**Prairie straw was spread after seeding to retain soil moisture.**



**Volunteers did an excellent job installing prairie plant plugs.**

## Public Involvement and Education Program – Sage Passi

### What Have Volunteers Been Doing In Our Watershed This Summer?

#### Master Water Stewards/ Volunteers Rock in Tending and Refurbishing Church Rain Gardens!



**Above Left:** A group of church volunteers at Cross Lutheran Church, led by Sherry Batterman (left) have been tending this mammoth rain garden weekly on Frost Avenue across from Wakefield Lake in Maplewood since it was installed in 2010. When construction on Frost Avenue interfered with getting the work down this past year, we offered to team up with them to help them catch up this summer with tree seedling removal. In return, they gave us an opportunity to give away plants at their weekly food shelf. It was a win-win!



**Above Right:** This late summer, seven Master Water Stewards, organized by Michelle Natarajan, provided maintenance assistance and a supplemental planting in a rain garden originally designed and planted by Master Gardeners, an Eagle Scout and other Maplewood church volunteers at Our Redeemer Lutheran Church in 2013. It is amazing how teamwork can transform a garden in a matter of a couple hours. Thanks to Dennis for connecting with Michelle at the Lawns to Legumes workshop that the church hosted in late February and to Michelle for her leadership in organizing the volunteers who refurbished this rain garden!

#### Retired Teacher/Master Naturalist and Water Steward Help Sustain School Pollinator Garden



Michele Anderson, Master Naturalist and retired 4<sup>th</sup> grade teacher from St. Peter Catholic School who started this large pollinator garden in 2010, comes back weekly to put her love of nature, garden wisdom and muscle into this teaching garden. A huge thank you!



Stephanie Wang, Woodbury Master Water Steward, helped replant the island area at St. Peter School and had the opportunity to meet Michelle who has recently moved to Woodbury. An auspicious meeting of the minds! We hope more good things will come from their teamwork.

### Volunteers “Knock It Out Of the Park” during the Restoration at Snail Lake Regional Park



Mike Laughton (Master Naturalist) and Bette Danielson (Master Water Steward) and on the left and Bobbie Scott (Master Water Steward) on the right plant native seedlings on the west side of “Peanut Pond”.

Six volunteers including three Master Water Stewards and 2 Master Naturalists, one CAC member and education and Natural Resources staff and interns worked together on August 13 to plant over 1500 native plants in Snail Lake Regional Park. Volunteers were excited to see the progress of this year’s planting and observe the areas that have been planted on the other side of the pond last year. An additional volunteer planting will be scheduled for later in September/early October once the Ramsey County has cleared more of the brush at the south end of the side of the wetland being restored this year. Walking back from the planting area, there was a lot of interest in using I-Naturalist and SEEK to identify species along the trail. What a natural self-guided learning opportunity!



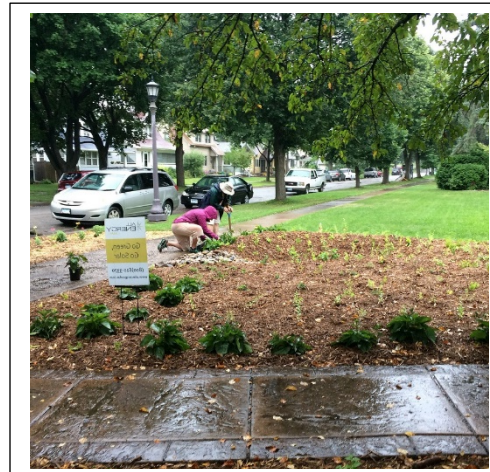
**Boardwalk in progress**

### Self-Guided Tour in Tamarack Nature Preserve Planned to Celebrate the Completion of the New Boardwalk This Fall

Woodbury Master Water Steward, Stephanie Wang has been working with Carrie Magnuson and Sage Passi on a new online guide/map and a virtual tour that she initiated and plans to jump start new interest and awareness for this park in Woodbury known for its unusual and diverse flora, unique ecosystems, flow of water, environmental challenges and historical legacies. She is working with RWMWD and the city of Woodbury to organize a kick-off celebration that integrates a self-guided tour of the area illustrating its many trail entrances in conjunction with the completion of the new boardwalk that is replacing the east and west segments of the old boardwalk.

Work on replacing the old boardwalk began on August 17 and is expected to continue for at least four weeks. An introduction to this self-guided tour experience will be scheduled sometime this fall with the use of temporary signs with QR codes placed in strategic places in the preserve to help interpret the site and guide people from entry points to explore different routes through the preserve. The date in the fall for a “weekend” of introducing the self-guided tour will be announced when the boardwalk is completed. Stay tuned!

### Master Water Steward, Stuart Knappmiller Completes His Yard “Make-Over” Capstone



Stuart and Mary Ellen’s yard in east St. Paul near Lake Phalen is not new to sustainable practices. Their entire backyard contains no turf and is filled with an organic vegetable garden, fruit gardens and rain barrels. In August, for his capstone project, after a year of project planning and preparation, Stuart converted his front yard and boulevard to native plantings with fourteen different types of flowering plants favorable to native bees and other pollinators (particularly the rusty patched bumblebee ) that provide pollen and nectar sources throughout the seasons, four cultivars, a rain garden with native plants and replaced turf with several native grass species including Pennsylvania sedge and side oats grama.

More woodland species will be added to his yard next spring when they are more readily available. He relied heavily upon the wide selection of native plants grown at Ramsey County Corrections Nursery and native seedlings started indoors by classes in RWMWD. Stuart’s project is a great showcase for what people can do in their modest size yards to reduce run-off, protect and conserve water and provide habitat for pollinators as well as model best practices in their neighborhood. Congratulations for completing this conversion, Stuart and Mary Ellen!