



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Please note the Carver County Government is closed therefore the meeting will be held online.
PLEASE CONTACT DISTRICT ADMINISTRATOR, LINDA LOOMIS FOR DIRECTIONS ON HOW TO PARTICIPATE.

Lower Minnesota River Watershed District
7:00 PM
Wednesday, July 15, 2020
Carver County Government Center
602 East Fourth Street, Chaska, MN 55318

Agenda Item	Discussion
1. Call to order	A. Oath of office Jesse Hartmann, Term expires 2/28/2023 B. Roll Call
2. Approval of agenda	
3. Citizen Forum	<i>Citizens may address the Board of Managers about any item not contained on the regular agenda. A maximum of 15 minutes is allowed for the Forum. If the full 15 minutes are not needed for the Forum, the Board will continue with the agenda. The Board will take no official action on items discussed at the Forum, with the exception of referral to staff or a Board Committee for a recommendation to be brought back to the Board for discussion or action at a future meeting.</i>
4. Consent Agenda	<p><i>All items listed under the consent agenda are considered to be routine by the Board of Managers and will be enacted by one motion and an affirmative vote of a majority of the members present. There will be no separate discussion of these items unless a Board Member or citizen request, in which event, the items will be removed from the consent agenda and considered as a separate item in its normal sequence on the agenda.</i></p> <p>A. Approve Minutes June 17, 2020 Regular Meeting B. Receive and file June 2020 Financial reports C. Approval of Invoices for payment</p> <ul style="list-style-type: none"> i. DRB Consulting - first invoice for document management services ii. Braun Intertec Corp. - for inclinometer readings iii. Frenette Legislative Advisors - for May 2020 lobbying services iv. Freshwater Society - payment for 2019 Master Water Steward Program (D. Braun) v. Metro Sales, Inc. - payment on copier maintenance contract vi. MAWD - payment of 2020 Dues vii. Rinke Noonan, Attorneys at Law - April 2020 legal services viii. State of Minnesota Dept. of Administration - for advertisement for professional service providers in State Register ix. US Bank Equipment Finance - July 2020 payment on copier lease x. DRB Consulting - second invoice for document management services xi. Fortin Consulting - sponsorship of 2020 Salt Symposium

	<ul style="list-style-type: none"> xii. The Horton Group - payment of premium for Director's & Officers Insurance xiii. Rinke Noonan, Attorneys at Law - for May 2020 legal services xiv. Young Environmental Consulting Group - For May 2020 technical services <ul style="list-style-type: none"> D. Chimney Pines HOA Cost Share Project E. Oak Savannah Cost Share Project F. Larson 2020 Cost Share Application - 1033 Sunny Ridge Drive, Carver
5. New Business/ Presentations	<ul style="list-style-type: none"> A. 2021 Budget B. 2020 Metro Children's Water Festival
6. Old Business	<ul style="list-style-type: none"> A. City of Carver Levee - no new information to report B. Remote meeting participation - no new information to report C. Dredge Management <ul style="list-style-type: none"> i. Vernon Avenue Dredge Material Management site ii. Private Dredge Material Placement D. Watershed Management Plan - no new information to report E. 2020 Legislative Action F. Education & Outreach G. LMRWD Projects - See Administrator Report for project updates <i>(only projects that require Board action will appear on the agenda. Informational updates will appear on the Administrator Report)</i> H. Project Reviews - See Administrator Report for project updates <i>(only projects that require Board action will appear on the agenda. Informational updates will appear on the Administrator Report)</i> <ul style="list-style-type: none"> i. Vierling Industrial Project I. MPCA Soil Reference Values - No new information since last update
7. Communications	<ul style="list-style-type: none"> A. Administrator Report B. President C. Managers D. Committees E. Legal Counsel F. Engineer
8. Adjourn	Next meeting of the LMRWD Board of Managers is 7:00pm Wednesday, August 19, 2020

Upcoming meetings/Events

- UMWA - Thursday, July 16, 12:30pm to 1:30pm, check with District Administrator to join
- Metro MAWD - Tuesday, July 21, 2020, 7:00pm Capitol Region Watershed District (no word yet on whether or not it will be virtual or cancelled)
- [2020 Salt Symposium](#) - August 4, 2020 8:30am & August 5, 2020, 7:30am streamed live on-line
- USACE River Resource Forum #117 - August 25-26, Savage City Hall
- USACE River Resource Forum #118 - December 1-2, MN Valley US Fish & Wildlife Service Visitor's Center, Bloomington, MN

For Information Only

- **WCA Notices**
 -
- **DNR Public Waters Work permits**
 -

- **DNR Water Appropriation permits**

- City of Burnsville - Temporary water appropriation permit 2019-3352, Centerpoint Energy; to allow for replacement of gas pipelines.
-

Item 4.B.
LMRWD 7-15-20

BEGINNING BALANCE	31-May-20	\$ 2,290,618.07
ADD:		
General Fund Revenue:		
Scott County 1st half 2020 tax settlement		\$ 38,453.22
Metropolitan Council Environmental Services - WOMP grant		\$ 4,500.00
Permit fees		\$ 1,000.00
		\$ 43,953.22
Total Revenue and Transfers In		\$ 43,953.22
DEDUCT:		
Warrants:		
424076 DRB Consulting document management services		\$ 2,816.00
424278 Braun Intertec Corp. inclinometer reading		\$ 2,786.00
424291 Frenette Legislative Advisors May 2020 lobbying services		\$ 1,666.67
424292 Freshwater Society 2019 Master Water Steward		\$ 2,500.00
424305 Metro Sale, Inc pmt. on copier maintenance contract		\$ 88.58
424306 MAWD 2020 annual dues		\$ 7,500.00
424317 Rinke Noonan, Attorneys at Law April 2020 legal services		\$ 585.00
424318 State of Minnesota pub. Of advertisement for prof service		\$ 624.00
424326 US Bank Equipment Finance July 2020 copier lease payment		\$ 168.10
424425 DRB Consulting document management services		\$ 2,458.00
424432 Fortin Consulting sponsorship of 2020 Salt Symposium		\$ 500.00
424436 The Horton Group 2020/21 D & O insurance premium		\$ 1,008.00
424451 Rinke Noonan, Attorneys at Law May 2020 legal services		\$ 487.50
100013113 Young Environmental Consutling May 2020 technical service		\$ 45,777.74
JE Carver County Q2 2020 accounting services		\$ 1,297.80
		\$ -
Total Warrants/Reductions		\$ 70,263.39
ENDING BALANCE	30-Jun-20	\$ 2,264,307.90

EXPENDITURES	2020 Budget	June Actual	YTD 2020	Over (Under) Budget
Administrative expenses	\$ 250,000.00	\$ 24,078.80	\$ 82,941.42	\$ (167,058.58)
Cooperative Projects				
Eden Prairie Bank Stabilization Area #3	\$ 35,000.00	\$ 2,786.00	\$ 5,138.21	\$ (29,861.79)
Gully Erosion Contingency Fund		\$ -	\$ -	\$ -
USGS Sediment & Flow Monitoring	\$ 19,700.00	\$ -	\$ 5,045.75	\$ (14,654.25)
Ravine Stabilization at Seminary Fen in Chaska	\$ 55,200.00	\$ -	\$ -	\$ (55,200.00)
Riley Creek Cooperative Project with RPBCWD	\$ 74,565.67	\$ -	\$ -	\$ (74,565.67)
Seminary Fen Ravine C-2	\$ -	\$ -	\$ 97.50	\$ -
509 Plan Budget				
<i>Resource Plan Implementation</i>				
Gully Inventory	\$ -	\$ 16,671.64	\$ 28,320.79	\$ 28,320.79
TH 101 Shakopee Ravine	\$ 35,000.00	\$ -	\$ -	\$ (35,000.00)
Assumption Creek Hydrology Restoration		\$ -	\$ -	\$ -
Carver Creek Restoration	\$ 15,000.00	\$ -	\$ -	\$ (15,000.00)
Groundwater Screening Tool Model	\$ 50,000.00	\$ -	\$ -	\$ (50,000.00)
MN River Floodplain Model Feasibility Study	\$ -	\$ -	\$ -	\$ -
Schroeder Acres Park SW Mgmt Project	\$ 181,055.00	\$ -	\$ -	\$ (181,055.00)
PLOC Realignment/Wetland Restoration	\$ -	\$ -	\$ -	\$ -
Spring Creek Project	\$ -	\$ -	\$ -	\$ -
West Chaska Creek	\$ -	\$ 162.50	\$ 162.50	\$ 162.50
Sustainable Lakes Mgmt. Plan (Trout Lakes)	\$ 50,000.00	\$ -	\$ 1,223.62	\$ (48,776.38)
Geomorphic Assessments (Trout Streams)	\$ 50,000.00	\$ -	\$ -	\$ (50,000.00)
Fen Stewardship Program	\$ -	\$ -	\$ 68,669.90	\$ 68,669.90
District Boundary Modification	\$ -	\$ -	\$ -	\$ -
E. Chaska Creek Bank Stabilization Project	\$ -	\$ 3,013.15	\$ 36,012.40	\$ 36,012.40
E. Chaska Creek Treatment Wetland Project	\$ -	\$ -	\$ -	\$ -
MN River Sediment Reduction Strategy	\$ -	\$ -	\$ -	\$ -
MN River Fens - gap analysis	\$ -	\$ 762.20	\$ 762.20	\$ 762.20
Dakota County Fen Management Study	\$ 25,000.00	\$ -	\$ -	\$ (25,000.00)
Local Water Management Plan reviews	\$ 8,000.00	\$ 1,747.50	\$ 5,024.75	\$ (2,975.25)
Project Reviews	\$ 20,000.00	\$ 15,002.35	\$ 32,867.40	\$ 12,867.40
<i>Monitoring</i>	\$ 65,000.00	\$ 1,662.00	\$ 4,262.00	\$ (60,738.00)
<i>Watershed Management Plan</i>	\$ 56,000.00	\$ 260.00	\$ 22,647.60	\$ (33,352.40)
<i>Public Education/CAC/Outreach Program</i>	\$ 30,000.00	\$ 3,000.00	\$ 8,222.05	\$ (21,777.95)
<i>Cost Share Program</i>	\$ 20,000.00	\$ -	\$ -	\$ (20,000.00)
Nine Foot Channel				
Transfer from General Fund	\$ 80,000.00	\$ -	\$ -	\$ (80,000.00)
Dredge Site Improvements	\$ 315,000.00	\$ 1,117.25	\$ 4,624.05	\$ (310,375.95)
Total:	\$ 1,184,520.67	\$ 70,263.39	\$ 306,022.14	\$ (961,537.45)



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, July 15, 2020

Agenda Item

Item 4. D. - Chimney Pines 2019 Cost Share Project

Prepared By

Linda Loomis, Administrator

Summary

Chimney Pines Homeowner's Association, in Eden Prairie, has made an application to the LMRWD Cost Share Program every year for four years. 2019 was the final phase of its project to improve a buffer around a stormwater pond in the center of the townhome development. The homeowners have methodically removed invasive species and replanted the area with native species. The final phase of the project removed grass and invasive species on a steep slope on the south end of the pond. The last phase was the largest area of all the projects. The Homeowner's Association asked for an extension of the deadline to complete the project because the amount weather conditions in 2019 did not allow for completion of the project. The Board extended the deadline to July 30, 2020.

The Board approved this application at the April 2019 Board meeting for an amount not to exceed \$2,100.00. The amount requested for reimbursement is \$2,129.17. The increase in the cost is due to the increase in plant material between 2019 and 2020. The Applicant did contact me about the increase and it was approved.

The project is now complete and the Association is requesting reimbursement for the costs. I visited the project June 30th and it turned out very well. A final report is attached along with receipts and documentation of the volunteer hours spent.

The Homeowners are very pleased with the results of the project. It attracts lots of pollinators and other wildlife that they have not seen in the area before.

Attachments

Final report and receipts from Chimney Pines HOA

Final Report with pictures

Final Cost Share Worksheet

Recommended Action

Motion to authorize payment of \$2,129.17 to reimburse applicant for expenses to complete the Cost Share project as proposed.

Chimney Pines Homeowner's Association

Pond Area Improvement Project Completion Narrative

Chimney Pines Homeowner's Association of Eden Prairie with the help of the Lower Minnesota River Valley Watershed District completed the fourth and final area around our rain run off retention pond on June 24, 2020.

In May of 2019 our committee started work on the fourth and final phase of our retention pond project. This phase was the largest, over 40,000 square feet, and the area with the most invasive vegetation. The area is a very steep hillside and with all of the heavy rains in the summer of 2019 we had to be very careful in how we staged removing invasive weeds to prevent soil erosion. Some of the invasive vegetation we removed included garlic mustard, Tatarian honeysuckle, buckthorn, grapevine, Reed canary grass, crown vetch, nightshade, Hoary allysum, field bindweed, white campion, common mullein and leafy spurge. As we removed invasive vegetation we covered the area with sheets of cardboard and held it in place with the dried vegetation we were removing. This method helped limit erosion but was very time consuming.

During this process we discovered many wonderful native plants including Joepye weed, Jewelweed, blueflag iris, sensitive fern, blue vervain, ironweed, yarrow, prairie onion, Common milkweed, rattlesnake master, wild bergamot, Golden Alexander and Soloman's seal. We tried to save as many of our great native finds as possible.

Our committee of workers is made up mostly of retirees and last summer several had health challenges which also slowed our progress on completing this phase of our project. We are most grateful to the Watershed for allowing us to extend our project completion date to the end of July 2020.

The City of Eden Prairie was giving residents a bare root sapling tree for Arbor Day 2019. Several committee members selected Redbud saplings which were planted around the pond area. Many of the saplings have survived which will help stop soil erosion and provide us with a beautiful spring blooming season for years to come.

In late April 2020 we bagged all of the dried invasive vegetation to prevent any chance of them reseeding the areas we wanted to plant. The sheets of cardboard had decomposed enough that it was easy to plant our new small native plants through them. We then covered the area between plants with ground up leaf mulch picked up last fall from our front yards and stored on premises over the winter. We hope this will slow down growth of the bindweed and other invasive weeds and help hold moisture until our new plants are established.

The committee worked weekdays and weekends tirelessly to complete this final phase of our rain run off retention pond project as well as maintaining our past projects.

The actual cost of the project is as follows:

Glacial Ridge Growers - plants	\$569.10
Glacial Ridge Growers - plants	638.95
Glacial Ridge Growers - plants	509.15
Out Back Nursery - shrubs	68.94
Out Back Nursery - tree	\$160.70
Home Depot - lawn bags	9.76
Home Depot - lawn bags	9.79
Home Depot - lawn bags & weed killer	33.67
Home Depot - red rosin paper (weed barrier)	75.11
Menards - lawn bags	7.87
Menards - bamboo canes	46.13
Subtotal	\$2,129.14
Total Labor - 514 hours @ \$18 per hour	\$9,252.00
Total Project Cost	\$11,381.14

Pictures of our work in process and the finished project will be sent by email.

We thank the Lower Minnesota River Valley Watershed District for all of your help over the past five years in order to help us complete this many phase project to improve water quality and stop erosion in our community. We also enjoy watching all the new varieties of pollinators, birds, and animals that come to enjoy the result of our hard work.



Order Date: 3/10/2020

Order # 5065

Ship Date: 5/16/2020

Customer # 1963

25132 250th Ave, Glenwood, MN 56334-236
 Phone: (320) 634-0136

Bill To:

Chimney Pines Homeowners Assoc.
 Judy Berglund
 10542 Spyglass Drive
 Eden Prairie, MN 55347
 Phone: (952) 975-1960
 Cell:
 Fax:

Ship To:

Chimney Pines Homeowners Assoc.
 Judy Berglund
 10542 Spyglass Drive
 Eden Prairie, MN 55347
 P.O. #:
 Comments: pickup at Richfield Garden Club

Item	Quantity	Price	Item Total
NATIVE WILDFLOWERS - SHADE (18-Count)			
Aquilegia canadensis, Columbine (18-Count)	1	\$29.95	\$29.95
Dicentra cucullaria, Dutchman's Breeches (18-Count)	0	\$29.95	\$0.00
Geranium maculatum, Wild Geranium (18-Count)	1	\$29.95	\$29.95
Mertensia virginica, Virginia Bluebells (18-Count)	0	\$29.95	\$0.00
Phlox divaricata, Wild Blue Phlox (18-Count)	1	\$29.95	\$29.95
Polemonium reptans, Jacob's Ladder (18-Count)	4	\$29.95	\$119.80
Stylophorum diphyllum, Celadine Poppy (18-Count)	2	\$29.95	\$59.90
NATIVE HARDY FERNS (18-Count)			
Adiantum pedatum, Maidenhair Fern (18-Count)	2	\$39.95	\$79.90
Athyrium filix femina, Lady Fern (18-Count)	1	\$39.95	\$39.95
NATIVE GRASSES, SEDGES and RUSHES - SHADE (18-Count)			
Carex pensylvanica, Common Oak Sedge (18-Count)	2	\$29.95	\$59.90
NATIVE GRASSES, SEDGES and RUSHES - SUN (18-Count)			
Andropogon scoparius, Little Bluestem (18-Count)	2	\$29.95	\$59.90
Koeleria cristata, June Grass (18-Count)	2	\$29.95	\$59.90

Please Pay from this Invoice - No Statement Following

Payments Received

5/14/2020 Credit Card	\$569.10
Payment Total	\$569.10

Order Subtotal	\$569.10
Early Order Discount	\$0.00
Other Discount	\$0.00
MN Sales Tax	\$0.00
Local Sales Tax	\$0.00
Delivery Charge	\$0.00
Fuel Surcharge	\$0.00
Other Charge	\$0.00
Order Total	\$569.10
Balance Due	\$0.00

MN Dept of Ag Approved Plant Production/Bee and Butterfly Friendly



Order Date: 3/10/2020
 Ship Date: 5/23/2020

Order # 5066
 Customer # 1963

25132 250th Ave, Glenwood, MN 56334-236
 Phone: (320) 634-0136

Bill To:

Chimney Pines Homeowners Assoc.
 Judy Berglund
 10542 Spyglass Drive
 Eden Prairie, MN 55347
 Phone: (952) 975-1960
 Cell:
 Fax:

Ship To:

Chimney Pines Homeowners Assoc.
 Judy Berglund
 10542 Spyglass Drive
 Eden Prairie, MN 55347
 P.O. #:
 Comments:

Item	Quantity	Price	Item Total
NATIVE HARDY FERNS (18-Count)			
Onoclea sensibilis, Sensitive Fern (18-Count)	1	\$39.95	\$39.95
NATIVE WILDFLOWERS - SUNNY (18-Count)			
Allium stellatum, Prairie Onion (18-Count)	1	\$29.95	\$29.95
Anaphalis margaritacea, Pearly Everlasting (18-Count)	1	\$29.95	\$29.95
Anemone patens wolfgangiana, Pasque Flower (18-Count)	2	\$29.95	\$59.90
Asclepias incarnata, Swamp Milkweed (18-Count)	2	\$29.95	\$59.90
Asclepias tuberosa, Butterfly Weed (18-Count)	3	\$29.95	\$89.85
Aster novae-angliae, New England Aster (18-Count)	1	\$29.95	\$29.95
Rudbeckia fulgida, Orange Coneflower (18-Count)	1	\$29.95	\$29.95
Rudbeckia hirta, Black-eyed Susan (18-Count)	1	\$29.95	\$29.95
Rudbeckia triloba, Brown-eyed Susan (18-Count)	0	\$29.95	\$0.00
Ruellia humilis, Wild Petunia (18-Count)	2	\$29.95	\$59.90
Silene regia, Royal Catchfly (18-Count)	1	\$29.95	\$29.95
Verbena stricta, Hoary Vervain (18-Count)	1	\$29.95	\$29.95
NATIVE GRASSES, SEDGES and RUSHES - SUN (18-Count)			
Sporobolus heterolepis, Northern Dropseed (18-Count)	4	\$29.95	\$119.80

Payments Received

Order Subtotal	\$638.95
Early Order Discount	\$0.00
Other Discount	\$0.00
MN Sales Tax	\$0.00
Local Sales Tax	\$0.00
Delivery Charge	\$0.00
Fuel Surcharge	\$0.00
Other Charge	\$0.00
Order Total	\$638.95
Balance Due	\$638.95

MN Dept of Ag Approved Plant Production/Bee and Butterfly Friendly



Order Date: 3/10/2020
 Ship Date: 6/16/2020

Order # 5067
 Customer # 1963

25132 250th Ave, Glenwood, MN 56334-236
 Phone: (320) 634-0136

Bill To:

Chimney Pines Homeowners Assoc.
 Judy Berglund
 10542 Spyglass Drive
 Eden Prairie, MN 55347
 Phone: (952) 975-1960
 Cell:
 Fax:

Ship To:

Chimney Pines Homeowners Assoc.
 Mississippi Market Parking Lot
 1500 W. 7th St.
 St. Paul, MN 55102
 P.O. #:
 Comments:

Item	Quantity	Price	Item Total
NATIVE WILDFLOWERS - SUNNY (18-Count)			
Chelone glabra, Turtlehead (18-Count)	1	\$29.95	\$29.95
Coreopsis lanceolata, Sand Coreopsis (18-Count)	2	\$29.95	\$59.90
Dalea purpurea, Purple Prairie Clover (18-Count)	1	\$29.95	\$29.95
Dodecatheon meadia, Midland Shooting Star (18-Count)	1	\$29.95	\$29.95
Gaillardia aristata, Blanket Flower (18-Count)	2	\$29.95	\$59.90
Geum triflorum, Prairie Smoke (18-Count)	0	\$29.95	\$0.00
Hibiscus laevis, Rose Mallow (18-Count)	1	\$29.95	\$29.95
Hypericum pyramidatum, Great St. John's Wort (18-Count)	1	\$29.95	\$29.95
Liatris pycnostachya, Prairie Blazing Star (18-Count)	1	\$29.95	\$29.95
Liatris spicata, Marsh Blazing Star (18-Count)	1	\$29.95	\$29.95
Lobelia cardinalis, Cardinal Flower-native (18-Count)	1	\$29.95	\$29.95
Lobelia siphilitica, Great Blue Lobelia (18-Count)	2	\$29.95	\$59.90
Lupinus perennis, Wild Lupine (18-Count)	1	\$29.95	\$29.95
Phlox pilosa, Prairie Phlox (18-Count)	2	\$29.95	\$59.90

Payments Received

Order Subtotal	\$509.15
Early Order Discount	\$0.00
Other Discount	\$0.00
MN Sales Tax	\$0.00
Local Sales Tax	\$0.00
Delivery Charge	\$0.00
Fuel Surcharge	\$0.00
Other Charge	\$0.00
Order Total	\$509.15
Balance Due	\$509.15

MN Dept of Ag Approved Plant Production/Bee and Butterfly Friendly

Customer Copy



Out Back Nursery, Inc.

15280 110th Street So. Hastings MN 55033

Ph: (651) 438-2771 Fax: (651) 438-3816

www.outbacknursery.com

Bill To: Judy Berglund
Judy Chimney Pines Homeowner A

Description 1	Attribute	Size	Orig Price	Disc %Type	Qty	Price	Ext Price Tax
Red-Twigged Dogwood	15-18"	02	\$21.45		3	\$21.45	\$64.35 T
						Subtotal:	\$64.35
						Tax	7.13 % Tax: + \$4.59
						RECEIPT TOTAL:	\$68.94

Credit Card: \$68.94 XXXX5784 Visa
Reference # 2000002220

Expiry Date: XX/XX Auth=05942D
Entry: Swiped Merchant #****29618

Signature _____

I agree to pay above amount according to card issuer agreement (merchant agreement if credit voucher).

PLEASE RETAIN FOR YOUR RECORDS

It is an honor and a privilege to serve you.



11061

Customer Copy



Out Back Nursery, Inc.

15280 110th Street So. Hastings MN 55033

Ph: (651) 438-2771 Fax: (651) 438-3816

www.outbacknursery.com

Bill To: Judy Berglund
Judy Chimney Pines Homeowner A

Description 1	Attribute	Size	Orig Price	Disc %	Type	Qty	Price	Ext Price	Tax
Autumn Brilliance #10			\$150.00			1	\$150.00	\$150.00	T
							Subtotal:	\$150.00	
							Tax	7.13 % Tax:	+ \$10.70
							RECEIPT TOTAL:	\$160.70	

Credit Card: \$160.70 XXXX5784 Visa
Reference # 2000002272

Expiry Date: XX/XXAuth=07503D
Entry: Manual Merchant #****29618

Signature _____

I agree to pay above amount according to card issuer agreement (merchant agreement if credit voucher).

PLEASE RETAIN FOR YOUR RECORDS

It is an honor and a privilege to serve you.



11130



More saving.
More doing.SM

13100 VALLEY VIEW ROAD
EDEN PRAIRIE, MN 55344, (952)949-0982

2812 00009 52226 04/18/19 09:36 AM
CASHIER FADUMO

851414002711 78#REDPAPER <A>
78# RED ROSIN PAPER
5@13.97 69.85

SUBTOTAL 69.85
SALES TAX 5.26
TOTAL \$75.11

XXXXXXXXXXXX5784 VISA USD\$ 75.11
AID A0000000031010 TA
AID A0000000031010 Visa Credit



2812 09 52226 04/18/2019 2601

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 1 90 07/17/2019

DID WE NAIL IT?

Take a short survey for a chance TO WIN
A \$5,000 HOME DEPOT GIFT CARD

Opine en español

www.homedepot.com/survey

User ID: H89 107553 104750
PASSWORD: 19218 104741

Entries must be completed within 14 days
of purchase. Entrants must be 18 or
older to enter. See complete rules on
website. No purchase necessary.



More saving.
More doing.SM

13100 VALLEY VIEW ROAD
EDEN PRAIRIE, MN 55344, (952)949-0982

2812 00061 63653 08/12/19 03:47 PM
SELF CHECK OUT

729928000496 RECYCLE BAG <A>
30 GAL LAWN BAGS
4@2.27 9.08

SUBTOTAL 9.08
SALES TAX 0.68
TOTAL \$9.76

XXXXXXXXXXXX5784 VISA USD\$ 9.76
AID A0000000031010 TA
AID A0000000031010 Visa Credit



2812 61 63653 08/12/2019 6513

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 1 90 11/10/2019

DID WE NAIL IT?

Take a short survey for a chance TO WIN
A \$5,000 HOME DEPOT GIFT CARD

Opine en español

www.homedepot.com/survey

User ID: H89 130407 127656
PASSWORD: 19412 127595

Entries must be completed within 14 days
of purchase. Entrants must be 18 or
older to enter. See complete rules on
website. No purchase necessary.



More saving.
More doing.™

13100 VALLEY VIEW ROAD
EDEN PRAIRIE, MN 55344, (952)949-0982

2812 00062 70102 09/16/19 11:16 AM
SELF CHECKOUT

729923000496 RECYCLE BAG <A>
30 GAL LAWN BAGS
4@2.27 9.08

SUBTOTAL 9.08
SALES TAX 0.68
TOTAL \$9.76

XXXXXXXXXXXX5784 VISA USD\$ 9.76
AUTH CODE 079700/4622951 TA
AID A0000000031010 Visa Credit



2812 62 70102 09/16/2019 4972

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 1 90 12/15/2019

DID WE NAIL IT?

Take a short survey for a chance TO WIN
A \$5,000 HOME DEPOT GIFT CARD

Opine en español

www.homedepot.com/survey

User ID: H89 143305 140555
PASSWORD: 19466 140493

Entries must be completed within 14 days
of purchase. Entrants must be 18 or
older to enter. See complete rules on
website. No purchase necessary.



More saving.
More doing.™

13100 VALLEY VIEW ROAD
EDEN PRAIRIE, MN 55344, (952)949-0982

2812 00009 68750 09/26/19 01:29 PM
CASHIER ROGER

729928000496 RECYCLE BAG <A>
30 GAL LAWN BAGS
5@2.27 11.35
070183500949 RDUP QT 25% <A>
ROUNDUP WEED&GRASS KLR QT CONC 19.97

SUBTOTAL 31.32
SALES TAX 2.35
TOTAL \$33.67

XXXXXXXXXXXX5784 VISA USD\$ 33.67
AUTH CODE 02055D/4093163 TA
AID A0000000031010 Visa Credit



2812 09 68750 09/26/2019 8508

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 1 90 12/25/2019

DID WE NAIL IT?

Take a short survey for a chance TO WIN
A \$5,000 HOME DEPOT GIFT CARD

Opine en español

www.homedepot.com/survey

User ID: H89 140601 137798
PASSWORD: 19476 137789

Entries must be completed within 14 days
of purchase. Entrants must be 18 or
older to enter. See complete rules on
website. No purchase necessary.

Returned

Use Your  2%
BIG CARD REBATE
MENARDS®

MENARDS-EDEN PRAIRIE
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Eden Prairie, MN 55344

KEEP YOUR RECEIPT
RETURN POLICY VARIES BY PRODUCT TYPE

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If you have questions regarding the charges on your receipt, please email us at:
EDNPfrontend@menards.com



Sale Transaction

PAPER LAWN & LEAF BAGS		
6484947	4 @1.83	7.32
TOTAL		7.32
TAX HENNEPIN-MN 7.525%		0.55
TOTAL SALE		7.87
Visa Credit 5784		7.87
Auth Code:087780		
Chip Inserted		
a000000031010		
TC - 99c770b9f014f8b1		

TOTAL NUMBER OF ITEMS = 4

GUEST COPY

The Cardholder acknowledges receipt of goods/services in the total amount shown hereon and agrees to pay the card issuer according to its current terms.

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9811 07 1771

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MENARDS - RICHFIELD
7701 Nicollet Ave.
Richfield, MN 55423

KEEP YOUR RECEIPT
RETURN POLICY VARIES BY PRODUCT TYPE

Unless noted below allowable returns for items on this receipt will be in the form of an in store credit voucher if the return is done after 09/01/20

If you have questions regarding the charges on your receipt, please email us at:
RFLDfrontend@menards.com



Sale Transaction

5 FT HEAVY DUTY BAMBOO		
2681271	10 @4.29	42.90
TOTAL		42.90
TAX HENNEPIN-MN 7.525%		3.23
TOTAL SALE		46.13
VISA CREDIT 5784		46.13
Auth Code:05222D		
Chip Inserted		
a000000031010		
TC - 3529acb6ed8a7c46		

TOTAL NUMBER OF ITEMS = 10

THE FOLLOWING REBATE RECEIPTS WERE
PRINTED FOR THIS TRANSACTION:
554

GUEST COPY

The Cardholder acknowledges receipt of goods/services in the total amount shown hereon and agrees to pay the card issuer according to its current terms.

THIS IS YOUR CREDIT CARD SALES SLIP

93424 10 0761

Spyglass Drive Pond Restoration
Volunteer Work Hours

Name	House #	Date	Start Time	End Time	Total Hours
Judy Berglund	10542	4/17/19	2:00	4:30	2½
Lori Wamnelo	10528	4/18/19	3:30	4:30	1
Judy Berglund	10542	4/18/19	3:30	5:00	1½
Judy Berglund	10542	4/25/19	11:00	4:00	5hr
Judy Cowdery	10410	4/25/19	1:00	4:00	3
Judy Berglund	10542	4/26/19	1:00	4:00	3
Dean Cowdery	10410	4/26/19	3:00	4:00	1
Frank Berglund	10542	4/28/19	12:30	4:00	4½
Judy Berglund	10542	4/28/19	12:30	4:00	4½
DEAN COWDERY	10410	4/28/19	12:30	4:00	3½
BRIAN TAMMINEN	10533	4/28/19	1:00	4 -	3
MARY ANN TAMMINEN	10533	4/28/19	1:00	4 -	3
Judy Cowdery	10410	4/28	1:00	4:00	3
Mari Kaderma	10510	4/28	1:00	4:00	3
FRANK "	10560	4/28	1:00	4:00	3
Lori Wamnelo	10528	4/28	1:00	3:30	2½
M					
Jim Oliver	10548	4/28/19	2:00	4:00	2.0
Jim Oliver	10548	5/1/19	8:00	1:00	5.0
Jim Oliver	10548	5/15/19	9:00	2:00	5.0
Jim Oliver	10548	5/26/19	3:30	5:00	1.5
Judy Berglund	10542	5/26/19	3:30	6:30	3
Judy Cowdery	10410	5/26/19	3:30	6:30	3
Judy Berglund	10542	5/28/19	9:00	11:30	2½
Thebna Buss	10554	5/28/19	9:30	11:30	2
Sharon R Rubin	10566	5/30/19	3:00	4:15	1¼

Sub Total - 72¼ hours

Spyglass Drive Pond Restoration
Volunteer Work Hours

Name	House #	Date	Start Time	End Time	Total Hours
Judy Berglund	10542	5/30/19	3:00	4:15	1 1/4 hrs
Judy Berglund	10542	5/31/19	1:00	5:00	4 hrs
Judy Berglund	10542	6/1/19	10:30	3:30	5 hr
Judy Cowdery	10910	6/1/19	12:50	3:00	2 1/2
Dean Cowdery	10410	6/1/19	12:30	2:30	2
Mari Radermacker	10560	6/1/19	1:00	2:00	1 hr
Frank Radermacker	"	"	"	2:00	1 h
Mary Ann Tammin	10533	6/1/19	1:00	2:15	1 1/4
Brian Tammin	10533	6/1/19	1:00	2:00	1
Sori Wannebo	10528	6/1/19	1:00	2:30	1 1/2
Jim Clark	10548	6/1/19	1:00	2:30	1 1/2
Ann Bayliff	10542	6-1-19	12:30	3:30	4.0
Judy Berglund	10542	6/2/19	1:30	3:30	2 hrs
Judy Berglund	10542	6/3/19	8:30	12:30	4 hrs
Judy Berglund	10542	6/4/19	8:00	12:00	4 hr
Judy Berglund	10542	6/18/19	1:00	2:30	1 1/2 hrs
Judy Berglund	10542	6/25/19	9:00	2:30	5 1/2 hrs
Thelma Buss	10554	6/25/19	9:30	11:30	2 hr
Mari Radermacker	10560	6/25	1:00	2:20	1 hr 20 min
Frank Radermacker	"	"	12:45	2:20	1 hr 1/2
STEVE ISELIN	10566	6/25	1:30	2:45	1 1/4 hr
Thelma Buss	10554	7/8	9:30	12:30	3 hrs
Judy Berglund	10542	7/9	8:30	12:30	4 hrs
Judy Berglund	10542	7/11	8:30	5:30	9 hrs
Thelma Buss	10554	7/11	9:00	3:00	5 hrs
Sori Wannebo	10528	7/13	4:00	6:00	2 hrs

Sub-Total - 72 hours

Spyglass Drive Pond Restoration
Volunteer Work Hours

Name	House #	Date	Start Time	End Time	Total Hours
Judy Berglund	10542	7/13	8:30	2:30	6 hrs
Jim Oliver	10548	7/17	3:30	5:00	2.5
Judy Berglund	10542	7/17	4:00	5:00	1 hr
Jim Oliver	10548	7/18	1:00	6:00	5 hr
Judy Berglund	10542	7/22	9:00	11:30	2 1/2 hr
STEVE ISSELIN	10566	7/22	9:00	11:30	2 1/2 hr
Judy Cowdell	10410	7/22	4:00	7:00	3
Dean Cowdell	10410	7/22	4:00	5:00	1
Judy Berglund	10542	7/23	9:00	11:30	2 1/2 hrs
Jim Oliver	10548	7/23	8:00	3:00	2 hr
Mari Radermack	10560	7/24	1:00	3:00	2 hr
Frank Radermack	10560	7/24	1:00	3:00	2 hr
Judy Berglund	10542	7/24	1:00	3:00	2 hr
STEVE ISSELIN	10566	7/24	1:30	3:00	1.5
Helma Buss	10554	7/24	2:00	3:00	1 hr.
Judy Berglund	10542	7/29	1:15	4:30	3 1/4
Dean Cowdell	10410	7/29	1:15	4:30	3 1/4
Judy Berglund	10542	7/31	3:00	5:00	2 hr
Judy Berglund	10542	8/14	1:00	4:30	3 1/2 hr
Jim Oliver	10548	8/2	11:00	4:00	5
Jim Oliver	10548	8/14	1:00	3:15	2.25
Helma Buss	10554	8/14	12:30	4:30	4 hrs
Judy Berglund	10542	8/21	12:30	2:30	2 hr
Helma Buss	10554	8/21	12:30	2:30	2 hr
Judy Berglund	10542	8/24	9:00	12:00	3 hrs
DRAN COWDREY	10410	8/24	9:00	10:45	1 hr 45

2:00 5

Sub-Total - 71 3/4 hours

Spyglass Drive Pond Restoration
Volunteer Work Hours

Name	House #	Date	Start Time	End Time	Total Hours
Judy Cowdery	10410	8/24	9:00	2:00	5
Lori Wannelo	10528	8/24	9:00	12:00	3
Delma Buss	10554	8/24	9:00	12:00	3
Judy Berglund	10542	8/31	9:00	12:00	3
DEAN COWDERY	10410	8/31	9:00	12:00	3
JUDY COWDERY	10410	8/31	9:00	12:00	3
Delma Buss	10554	8/31	9:00	12:00	3
JIM OLIVER	10548	" "	"	"	"
Delma Buss	10554	9/3	1:45	4:30	2 ³ / ₄
Delma Buss	10554	9/4	1:00	2:30	1 ¹ / ₂
Judy Berglund	10542	9/4	1:00	2:30	1 ¹ / ₂
Judy Berglund	10542	9/7	9:00	12:00	3 hrs
STEVE ISSELIN	10566	9/7	9:00	11:45	2 ³ / ₄
DEAN COWDERY	10410	9/7	9:00	12:00	3 h
Delma Buss	10554	9/7	9:00	12:00	3hr
Lori Wannelo	10528	9/7	12:30	2:30	2hr
Judy Berglund	10542	9/17	11:00	1:00	2 hrs
Judy Cowdery	10410	9/18	4:00	5:00	1
Delma Buss	10554	9/18	4:00	5:00	1
Judy Berglund	10542	9/18	4:00	5:00	1
Judy Berglund	10542	10/8	9:00	3:00	4
STEVE ISSELIN	10566	10/8	9:00	11:30	2 ¹ / ₂
Judy Cowdery	10410	10/8	10:00	11:00	1
Delma Buss	10554	10/9	11:00	3:00	4
Judy Berglund	10542	10/9	10:00	1:30	3 ¹ / ₂ hrs
Judy Cowdery	10410	10/8	2:30	4:00	1 ¹ / ₂

Sub-Total = 70 hours

Spyglass Drive Pond Restoration
Volunteer Work Hours

Name	House #	Date	Start Time	End Time	Total Hours
Judy Berglund	10542	10/18/19	2:30	4:00	1 1/2
STEVE ISELIN	10566	10/18/19	9:30	10:30	1
Judy Berglund	10542	10/19/19	11:00	4:00	5
Jim Cooper	10542	10/19	12:00	1:30	1 1/2
Thomas Buss	10554	10/24	1:00	2:00	1
Judy Berglund	10542	10/24	1:00	2:00	1
STEVE ISELIN	10566	10/29	1:00	3:00	2
Judy Berglund	10542	10/29	1:00	3:00	2
Judy Berglund	10542	4/5	2:00	5:00	3
STEVE ISELIN	10566	4/5	2:00	5:00	3
Judy Berglund	10542	4/6	3:00	5:30	2 1/2
STEVE BERGLUND	10542	4-6	3:00	5:30	2 1/2
Judy Berglund	10542	4/7	1:00	3:30	2 1/2
STEVE ISELIN	10566	4/7	1:00	2:00	1
STEVE BERGLUND	10542	4-7	2:00	3:00	1
Judy Berglund	10542	4/11	2:00	5:00	3
Judy Berglund	10542	4/17	1:00	4:00	3
STEVE ISELIN	10566	4/17	1:30	2:30	1
Judy Berglund	10542	4-18	11:00	3:00	4
Judy Berglund	10542	4/18	11:00	3:00	4
Judy Berglund	10542	5/4	11:00	4:00	5
Thomas Buss	10554	5/4	9:30	4:00	5 1/2
Judy Berglund	10542	5/8	10:30	12:00	1 1/2
Judy Berglund	10542	5/11	1:30	3:00	1 1/2
Judy Berglund	10542	5-11	1:30	3:00	1 1/2

Sub-Total = 60.5 hours
11.5

Spyglass Drive Pond Restoration
Volunteer Work Hours

Name	House #	Date	Start Time	End Time	Total Hours
Judy Cowley	10910	5/16	2:00	3:00	1 hr
Judy Berglund	10542	5/16	11:00	4:00	5 hr
Steve Berglund	10542	5/15	2:00	4:00	2
Judy Berglund	10542	5/16	8:00	3:30	7 1/2 hr
Steve Berglund	10542	5/16	9:00	11:00	2
Donna Scott	10434	5/16	9:00	11:30	2 1/2
Mari Radermacher	10566	5/16	9:00	11:30	2 1/2
Frank Radermacher	10566	5/16	9:00	11:30	2 1/2
Siri Wannabo	10528	5/16	1:00	4:00	3 hr
Saadvik Kundoor	10416	5/16	2:00	2:30	1/2
Rajitha Kundoor	10416	5/16	2:00	3:00	1
STEVE ISELIN	10566	5/18	1:00	3:00	2
Judy Cowley	10910	5/24	12:45	2:45	2
Judy Berglund	10542	5/24	12:45	3:45	3
Siri Wannabo	10528	5/24	1:00	4:00	3
Frank Radermacher	10566	"	1:30	3:30	2
Mari Radermacher	"	"	"	3:30	2
Judy Berglund	10542	5/25	1:00	5:00	4 hrs
Juliana Ward	10578	5/25	1:00	2:00	1 hr
STEVE ISELIN	10566	5/25	1:00	3:00	2
Steve Berglund	10542	5/25	2:00	4:00	2
Judy Berglund	10542	5/27	12:30	3:00	2 1/2
Debra Buss	10554	5/27	12:50	3:00	2:00
Barb Reilly	10503	5/27	1:00	3:00	2:00
Judy Berglund	10542	5/28	9:00	12:00	3 hr
Judy Berglund	10542	5/29	11:00	12:30	1 1/2

Sub Total = 63 hours

Spyglass Drive Pond Restoration
Volunteer Work Hours

Name	House #	Date	Start Time	End Time	Total Hours
Judy Berglund	10542	5/30	10:30	2:00	3 1/2 hr
Thelma Buss	10554	5/30	1:00	3:00	2 hr
Thelma Buss	10554	5/28	9:30	3:30	6 hr
Judy Berglund	10542	5/31	1:00	3:00	2 hr
Judy Berglund	10410	6/3	1:00	3:00	2
STEVE ISELIN	10566	6/3	2:00	4:00	2
Thelma Buss	10554	6/3	12:00	3:00	3
Judy Berglund	10542	6/3	2:00	4:00	2
Judy Berglund	10542	6/4	9:00	2:00	5 hrs
Rajitha Kundoor	10416	6/4	9:00	10:00	1 hrs
Rajitha Kundoor	10416	6/5	10:00	11:00	1
Jim Oliver	10548	6/6	6:00	4:00	10 hrs
Judy Berglund	10542	6/10	10:00	4:00	6 hrs
Judy Berglund	10542	6/12	12:00	4:00	4 hrs
STEVE ISELIN	10566	6/12	1:00	2:30	1.5 hr
Judy Berglund	10542	6/13	1:00	4:30	3 1/2 hr
Lori Wannabo	10528	6/13	1:30	4:30	3 hrs
Judy Berglund	10542	6/14	10:00	3:00	5 hr
Judy Berglund	10542	6/15	9:00	12:00	3 hrs
Judy Berglund	10542	6/16	9:00	12:30	3 1/2 hrs
Maie Radermacher	10560	6/16	10:00	12:00	2 hrs
Jilbrana Ward	10578	6/16	10:30	12:00	1 1/2 hrs
Thelma Buss	10554	6/16	9:15	12:30	3 1/4 hrs
Barb Bieley	10503	6/18	9:00	10:00	1
Judy Bowdley	10410	6/18	9:00	12:00	3
Judy Berglund	10542	6/18	9:00	10:00	1

Sub. Total - 81 hours

Spyglass Drive Pond Restoration
Volunteer Work Hours

Name	House #	Date	Start Time	End Time	Total Hours
Judy Benglund	10542	6/20	9:30	11:00	1 1/2 hr
STEVE ISSEVIN	10566	6/20	10:00	11:00	1 hour
Judy Benglund	10542	6/20	1:00	4:00	3 hrs
Lori Wannabe	10528	6/20	1:00	3:30	3 1/2 hr
Delma Byss	10554	6/20	1:00	3:30	3 1/2 hr
Judy Cowdery	10410	6/22	1:00	2:30	1 1/2
Delma Byss	10554	6/20	1:00	4:00	3 hr
Lori Wannabe	10528	6/22	1:00	2:30	1 1/2
Judy Benglund	10542	6/22	1:00	4:00	3 hrs
Judy Benglund	10542	6/23	3:30	4:30	1 hr
Judy Benglund	10542	6/24	1:00	2:30	1 1/2 hr

15
98
4

Sub Total - 24 hours

Total Hours of Labor 514 hours

Chimney Pines Homeowners Association

2018 Cost Share

Eden Prairie

Cost Share number 2018-CS-1



Project Status | Complete

The Board of Managers approved this project at the April 2019 meeting. This is the final phase of a project to add a perennial buffer around a storm water pond that received storm water from a townhome development of 50 homes. This area had become overgrown with invasive and other undesirable plant species. The project area included a steep slope.

The project completion date was extended to July 31, 2020, because weather conditions in 2019 did not allow for work to be completed by the original project deadline

Project Description

The first project was funded by the LMRWD in 2016 and the second in 2017. A third phase was completed in 2018. 2019 is the final phase of the project. The homeowners removed invasive and other undesirable species and with the completion of this project have replanted the entire shore-land around a regional storm water pond. This final phase was the most ambitious phase of the project. Residents have been able to address erosion caused by roof drains and sump pumps that drain to the pond by locating deep rooted plants in areas that have been subject to erosion.

This phase of the project covered a steep slope located on the south end of the pond that was planted with grass and crown vetch; a species that was used for erosion control and has become invasive. The homeowners replaced the grass and crown vetch with native prairie that will improve water quality in the pond and reduce maintenance needs.

Hennepin County has used this project on tours for new students in the Master Water Steward program. They use it as example of what can be done by volunteers. I visited the site June 30th and the project has turned out extremely well. The homeowners say the water quality in the pond continues to improve in clarity and has noticeably less algae growth.

The Homeowners have been maintaining the previous plantings, which are doing very well. The residents have reported seeing lots of wildlife that they have not seen before, turtles (including a snapping turtle) wood ducks, snakes, salamanders, many different varieties of birds and of course, deer and raccoons.

The Board has been invited to visit the project



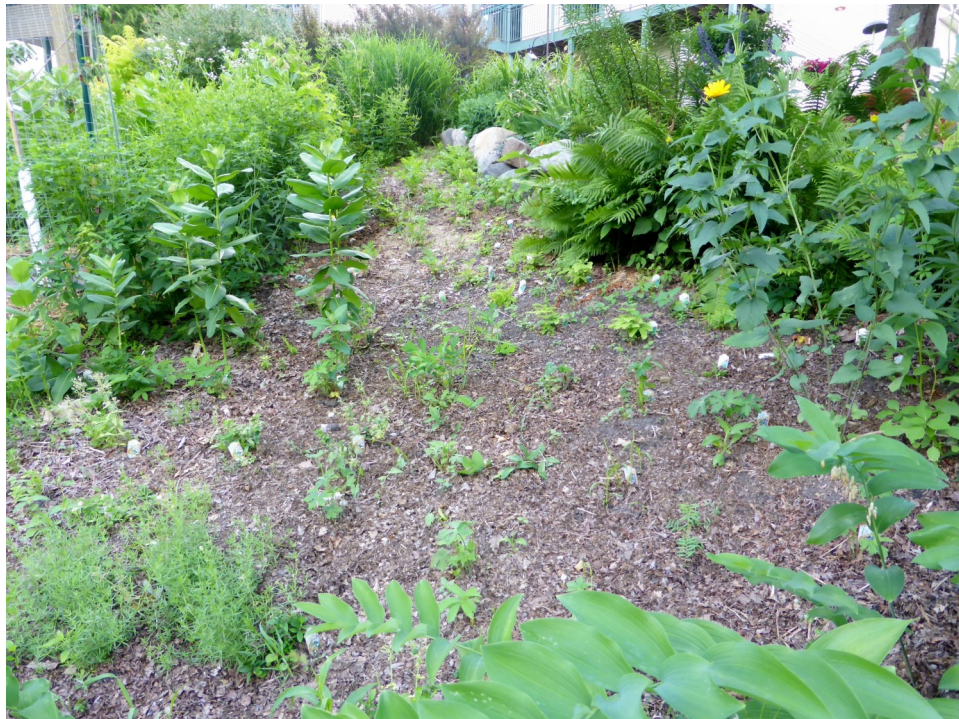
Volunteers planting after vegetation was killed. Vegetation was killed by placing red rosin paper down and covering it with yard waste. Residents collected yard waste from the lawn service hired to maintain the lawns.



Volunteers planting



Some native species were planted along the shore-line years ago. Those plants that still existed are now thriving, with the invasive species removed



The residents identified plants that were desirable. Those plants were left in place and new diverse native species were inter-planted.



Residents created a trail around the pond so they would have access to maintain the area and also so they could enjoy the area. They have said it is a favorite spot for grandchildren.

Here they used trees to create a terrace for the trail.



More inter-planting



Close up of plantings of a native sedge



Chicken wire is used to protect a Redbud tree from deer

2019 Cost Share Worksheet - Chimney Pines Homeowners Association

Labor Costs (Contractors, Consultants, In-Kind Labor)

Service Provider	Task	# Hours	Rate/Hour	Requested Funds from LMRWD	Matching/In-Kind Funds	Total
Volunteer	Clearing, gubbing and planting	514	\$12.00		\$ 6,168.00	\$ 6,168.00
Total:				\$ -	\$ 6,168.00	\$ 6,168.00

Project Materials

Material description	Unit Cost	Total # of Units	Requested funds from LMRWD	Matching/In-Kind Funds	Total
Glacial Ridge Growers			\$ 569.10	\$ -	\$ 569.10
Glacial Ridge Growers			\$ 638.95	\$ -	\$ 638.95
Glacial Ridge Growers			\$ 509.15		\$ 509.15
Out Back Nursery			\$ 68.94		\$ 68.94
Out Back Nursery			\$ 160.70		\$ 160.70
Lawn Bag, weed killer and red rosin paper			\$ 128.33		\$ 128.33
Lawn Bags and bamboo canes			\$ 54.00		\$ 54.00
Total:			\$ 2,129.17	\$ -	\$ 2,129.17

Total Requested Funds from LMRWD*:	<u>\$ 2,129.17 (A)</u>
Total Match/In-Kind Funds:	<u>\$ 6,168.00 (B)</u>
Project Total:	<u>\$ 8,297.17 (C)</u>

*Please note: total requested funds (A) cannot be more than 50% of the Project Total (C)



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, July 15, 2020

Agenda Item

Item 4. E. - Oak Savannah Cost Share Project

Prepared By

Linda Loomis, Administrator

Summary

This project was a 2019 Cost Share Application. Lori Rathjen completed the 2018 Master Water Steward program and this project was her Capstone Project. The Board extended the deadline for completion of the project to July 31, 2020, because of weather conditions in 2019.

Ms. Rathjen worked with the MN Department of Natural Resources and the City of Savage to restore a 1.2 acre area of state land, near Boiling Spring in Savage, by removing invasive species and replanting the area with native prairie. The DNR mechanically cleared buckthorn and honeysuckle and Ms. Rathjen treated the remaining stumps with a DNR recommended herbicide. Once the invasive buckthorn and honeysuckle were removed, existing native species began to grow. Ms. Rathjen enlisted volunteers from the neighborhood to rake the area and plant plugs and seeds of native prairie plants. Residents that neighbored the area participated by keeping the area watered until the plants are fully established.

Ms. Rathjen has submitted a final report; all receipts for cost incurred and is requesting reimbursement of \$1,327.08 for expenses. The amount requested by Ms. Rathjen in her application was \$1,657.00. Even though the cost of plant material increased in 2020, the project was completed under budget. A final Cost Share Worksheet is attached.

Attachments

Report and Summary provided by Lori Rathjen

Final report

Final Cost Share Worksheet

Recommended Action

Motion to authorize payment of \$1,327.08 to reimburse applicant for expenses to complete prairie restoration project in City of Savage

To The MN River Watershed District Board,

Thank you so very much for your support of the Master Water Steward Program. Because of your generosity, 1.2 acres of land is being transformed to protect Eagle Creek, home of the naturally occurring Brown Trout. Your funding provided 288 Native plants, grasses, and seed which will filter the storm water runoff and provide shelter and food for many imperiled pollinators. Many neighbors are now also aware of these benefits and will enjoy how lovely the prairie will look. I was also delighted to see how the DNR and City of Savage were so willing to work together to see this area restored. As you can see, this restoration has been very important in many ways!

Enclosed, please find the receipts for the expenses. We did incur a significant increase in the plants but because of the Covid virus we weren't able to congregate so the overall costs were less.

1. Amazon-Safety vest, gloves	\$64.01
2. Home Depot-Marking Flags	\$8.56
3. Menards trowels, bug sprays, powerade	\$88.53
4. MN Native Landscape	\$1,205.24
	Total:\$1,366.24
Return of unused trowels	+29.52
Menard's 11% rebate, (expected)	
(please mail original receipt when finished)	+9.74
	Grand Total: \$1,326.98

Thank you SO much for all of your hard work at our watershed district.

Warmly,

Lori Rathjen
Master Water Steward

Final Details for Order #114-9180851-3100210

[Print this page for your records.](#)

Order Placed: June 21, 2019
Amazon.com order number: 114-9180851-3100210
Order Total: \$64.01

Shipped on June 22, 2019

Items Ordered

Price

1 of: *Vgo 10Pairs Nitrile Coating Gardening and Work Gloves (Size M,Blue,NT2110)* \$14.98
Sold by: Vgo Glove ([seller profile](#)) | Product question? [Ask Seller](#)

Condition: New

1 of: *G & F 15196L Seamless Nylon Knit Nitrile Coated Work Gloves, Garden Gloves, Black, Large, 6 Pair Pack* \$7.12
Sold by: Amazon.com Services, Inc

Condition: New

1 of: *ZOJO High Visibility Safety Vests,Adjustable Size,Lightweight Mesh Fabric, Wholesale Reflective Vest for Outdoor Works, Cycling, Jogging, Walking, Sports - Fits for Men and Women (10 Pack, Neon Yellow)* \$26.99
Sold by: Zojo Safety ([seller profile](#))

Condition: New

Item(s) Subtotal: \$49.09

Shipping & Handling: \$14.90

Your Coupon Savings: -\$1.00

Your Coupon Savings: -\$1.35

Total before tax: \$61.64

Sales Tax: \$2.37

Total for This Shipment: \$64.01

Shipping Address:

Tim C Rathjen
7326 132ND CIR
SAVAGE, MN 55378-1295
United States

Shipping Speed:

Two-Day Shipping

Payment information

Payment Method:

Amazon.com Visa Signature | Last digits: 3456

Item(s) Subtotal: \$49.09

Shipping & Handling: \$14.90

Your Coupon Savings: -\$1.00

Your Coupon Savings: -\$1.35

Total before tax: \$61.64

Estimated tax to be collected: \$2.37

Grand Total: \$64.01

Billing address

Tim C Rathjen
7326 132ND CIR
SAVAGE, MN 55378-1295
United States

Credit Card transactions

Visa ending in 3456: June 22, 2019: \$64.01

To view the status of your order, return to [Order Summary](#).



Minnesota 8740 77th St NE
 Native Otsego, MN 55362
 Landscapes

INVOICE

BILLING DATE	INVOICE #
6/22/2020	24542

TERMS	DUE DATE
Due on receipt	6/22/2020

VENDOR #	P.O. NO.

CUSTOMER NAME
Lori Rathjen

PROJECT NAME

QTY	UNITS	ITEM	DESCRIPTION	UNIT PRICE	EXTENTION
1	Acre	Seed	MNL Mesic Mix (MNLMES2003)	660.00	660.00T
288	Each	Delivery/Shipping ...	Assorted plugs	1.60	460.80T
			Colonial Church Pick up 6200 Colonial Way, Edina, MN 55436		
			MN/Hpn/Hpn Cty Transit	7.525%	84.34

Thank you for your business. Please place the invoice number on your check.	Total	\$1,205.14
Any amount unpaid beyond 30 days, will incur a 1.5% per month finance charge.	Payments/Credits	\$0.00
763-295-0010 • www.mnnativelandscapes.com • Mandy@MNLcorp.com	Balance Due	\$1,205.14

Using ecological services to enhance your environment...



Last Edited
6/24/2020

#1	0
4in Trays	0
Plug Trays	8
Total Plants	288

Species Name	Common Name	Size	
<i>Misc Spp</i>	<i>Misc Spp</i>		
<i>Seed/Hardgood</i>	<i>Seed/Hardgood</i>		seed
<i>Agastache foeniculum</i>	Anise Hyssop	plug	36
<i>Andropogon gerardii</i>	Big Bluestem	plug	18
<i>Asclepias tuberosa</i>	Butterfly Weed	plug	36
<i>Dalea candida</i>	White Prairie Clover	plug	18
<i>Dalea purpurea</i>	Purple Prairie Clover	plug	18
<i>Liatris aspera</i>	Rough Blazing Star	plug	36
<i>Liatris ligulistylis</i>	Meadow Blazing Star	plug	36
<i>Pycnanthemum virginianum</i>	Mountain Mint	plug	36
<i>Ratibida pinnata</i>	Yellow Coneflower	plug	36
<i>Sorghastrum nutans</i>	Indian Grass	plug	18

Lori Rathgen Colonial Church Pick up

Use Your  2%
BIG CARD REBATE

MENARDS®

MENARDS - BURNSVILLE
2700 Hwy 13 West
Burnsville, MN 55337

KEEP YOUR RECEIPT
RETURN POLICY VARIES BY PRODUCT TYPE

Unless noted below allowable returns for
items on this receipt will be in the form
of an in store credit voucher if the
return is done after 09/21/20

If you have questions regarding the
charges on your receipt, please
email us at:
BURNfrontend@menards.com



Sale Transaction

ALUM TROWEL W BAG RIPPER		
2655981	7 @6.89	48.23
ALUM TRNSPLNTR W RIPPER		
2655983	3 @6.89	20.67
CUTTER BCKWDS 40% 7.50Z		
2637887		4.79
REPEL LEMON EUC PUMP 40Z		NR
2631080		4.97
POWERADE GRAPE		
5737990		3.98
TOTAL		82.64
TAX DAKOTA-MN 7.125%		5.89
TOTAL SALE		88.53
CAPITAL ONE VISA 7379		88.53
Auth Code:059140		
Chip Inserted		
a000000031010		
TC - 55485d1echa22b9b		

TOTAL NUMBER OF ITEMS = 13

THE FOLLOWING REBATE RECEIPTS WERE
PRINTED FOR THIS TRANSACTION:

565



More saving.
More doing.SM

1701 COUNTY ROAD 18
SHAKOPEE, MN 55379 (952)496-3076

2841 00062 86512 06/23/20 02:46 PM
SALE SELF CHECKOUT

015812780064 EMWHITEFLAGS <A> 7.97
EMPIRE WHITE STAKE FLAGS (100 PK)

SUBTOTAL 7.97
SALES TAX 0.59
TOTAL \$8.56

XXXXXXXXXXXX7379 VISA USD\$ 8.56
AUTH CODE 09169D/3626729 TA
Chip Read
AID A0000000031010 CAPITAL ONE VISA



2841 62 86512 06/23/2020 1795

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 1 180 12/20/2020

Due to COVID-19, we have extended our
returns policy for most items.
Please see homedepot.com for details.

DID WE NAIL IT?

Use Your  2%
BIG CARD REBATE
MENARDS[®]

MENARDS - BURNSVILLE
2700 Hwy 13 West
Burnsville, MN 55337

If you have questions regarding the
charges on your receipt, please
email us at:

BURNfrontend@menards.com



Merchandise Return

ALUM TRNSPLNTR W RIPPER
2655983 6.89-
ORIG STORE: 3021 12 9904 06/23/2020
ALUM TROWEL W BAG RIPPER
2655981 6.89-
ORIG STORE: 3021 12 9904 06/23/2020
ALUM TROWEL W BAG RIPPER
2655981 6.89-
ORIG STORE: 3021 12 9904 06/23/2020
ALUM TRNSPLNTR W RIPPER
2655983 6.89-
ORIG STORE: 3021 12 9904 06/23/2020

TOTAL 27.56-
TAX DAKOTA-MN 7.125% 1.96-
TOTAL SALE 29.52-
VISA 7379 29.52-
385670
Keyed

TOTAL NUMBER OF ITEMS = 4

Lori Rathjen - Master Water Steward Capstone Project

2019/2020 Cost Share

Savage

Cost Share number 2019-CS-2



Project Status | Complete

The Board of Managers approved this project at the June 2019 meeting. Ms. Rathjen completed the Master Water Steward Program. As part of the MWS Program Stewards are expected to complete a Capstone Project. Ms. Rathjen chose to restore a 1.2 acre area of land in Savage owned by the DNR. The site is adjacent to Eagle Creek, downstream from Boiling Spring.

The project was completed in June 2020.

Project Description

Hennepin County provided technical assistance to Ms. Rathjen for this project. Hennepin County agreed to take Mr. Rathjen into the Master Water Steward Program even though she lived in Scott County.

Ms. Rathjen approached the DNR and the City of Savage to complete this project. The DNR mechanically removed invasive species which consisted mostly of buckthorn and honeysuckle. The DNR also worked with Ms. Rathjen to apply herbicide to the stumps. The debris from the invasive species removal is still onsite and will be burned once there is snow on the ground. The City of Savage provided help with disposal of other debris.

Ms. Rathjen recruited volunteers to help prepare the site for planting this summer. She contacted the Mdewankaton Sioux Community in case they wanted to send volunteers.

The DNR mowed the site in June 2020. The DNR advised that raking was not necessary; the debris from the mowing did not need to be removed as originally planned and On June 25th volunteers planted 288 plugs of native forbs and grasses. COVID-19 was taken into consideration when volunteers met to plant. Social distancing recommendation were observed. The site will be seeded in the Fall.

Several resident adjacent to the site have agreed to water the plantings until they become established. Visitors to the site can walk the trail north from 12800 Independence Avenue in Savage to the site.



Pictures of the site after mechanical removal of invasive species. The Picture at left show the treated stumps.



Picture of native plant spring re-growth after removal of invasive species



Plugs ready for planting



Volunteers on planting day



Upper left: Volunteer planting

Upper Right: Volunteers ready to plant

Lower Left: project site after planting

2019 Cost Share Worksheet

Labor Costs (Contractors, Consultants, In-Kind Labor)

Service Provider	Task	# Hours	Rate/Hour	Requested Funds from LMRWD	Matching/In-Kind Funds	Total
DNR	Mowing, Stump Treatment, Site preparation (2x spray with Rodeo), Seeding, Tree removal (12 scotch pines), Burning wood pile	40	\$30		\$ 1,200.00	\$ 1,200.00
City of Savage	Grass/debris pile disposal, participation in volunteer event	8	\$67		\$ 536.00	\$ 536.00
Volunteers (neighborhood, MN Rovers)	Raking/lopping - sumac and buckthorn, planting plugs	100	\$12		\$ 1,200.00	\$ 1,200.00
Total:				\$ -	\$ 2,936.00	\$ 2,936.00

Project Materials

Material description	Unit Cost	Total # of Units	Requested funds from LMRWD	Matching/In-Kind Funds	Total
Safety Vests & Gloves			\$ 64.01		\$ 64.01
Stake flags			\$ 8.56		\$ 8.56
Bug spray trowels and beverages for volunteers			\$ 88.53		\$ 88.53
Plant materials from MN Native Landscapes			\$ 1,205.24		\$ 1,205.24
Return of unused trowels			\$ (29.52)		\$ (29.52)
11% rebate from Menards			\$ (9.74)		\$ (9.74)
Total:			\$ 1,327.08	\$ -	\$ 1,327.08

Total Requested Funds from LMRWD*:	\$ 1,327.08 (A)
Total Matchin/In-Kind Funds:	\$ 2,936.00 (B)
Project Total:	\$ 4,263.08 (C)

*Please note: total requested funds (A) cannot be more than 50% of the Project Total (C)



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, July 15, 2020

Agenda Item

Item 4. F. - 1033 Sunny Ridge Drive Cost Share

Prepared By

Linda Loomis, Administrator

Summary

This project is a 2020 Cost Share application. The homeowner has had the rain garden installed by a contractor, so the project is complete and the homeowner is requesting reimbursement of \$2,500.

Attachments

Receipts for project

Final Report

Cost Share Worksheet

Recommended Action

Motion to authorize payment of \$2,500 to Renae Larson for 2020 Cost Share application to install a raingarden at 1033 Sunny Ridge Drive, Carver.

Pierson Garden and Landscape

PO BOX 114
Victoria, MN 55368
612-251-9910



INVOICE

BILL TO

Renaee Larson
1033 Sunny Ridge Drive
Carver, MN 55315-9355

INVOICE # 1381

DATE 05/17/2020

DUE DATE 05/25/2020

TERMS Due upon
completion

Page 2: Materials delivered

Page 3: Locations of planted materials

Page 4: Plants that will be planted once received (late June)

Page 5: Detailed pricing break-down

Page 6: Pricing Invoice (Summary)



5500 Blaine Ave | Inver Grove Heights, MN 55076
651.450.1501 | gertens.com

#2 REVISED

PAGE NO 1



CUST NO: 106616	JOB NO: 000	PURCHASE ORDER: 1033 SUNNY RIDGE	REFERENCE: AM FRI 5/22	TERMS: NET 15TH	CLERK: 1580	DATE / TIME: 5/20/20 8:06
--------------------	----------------	-------------------------------------	---------------------------	--------------------	----------------	------------------------------

SOLD TO:
PIERSON GARDEN & LANDSCAPES
9810 CO RD 43

CHASKA MN 55318
612-251-9910

SHIP TO:
DAVID - 612.251.9910
1033 SUNNY RIDGE DRIVE

CARVER MN 55315

DEL DATE: 5/22/20

TERMINAL: 419

SALESPERSON: AC ANGELA CESAR
TAX: CRV CARVER COUNTY

ORDER: 379185/6

LINE	SHIPPED	ORDERED	UM	SKU	DESCRIPTION	LOCATION	UNITS	PI
1					SHADE			
2		4	EA	NR0240	AQUIL CANADENSIS 3.5"/18T		4	
3		1	EA	NR3310	CAREX PEN COMMONOAKSEEDGE3.5"/18T	E20	1	
4		3	EA	NR2555	SOLID SPE SHOWYGOLDENROD3.5"/18T	E26	3	
5		4	EA	NR0305	ASCLE INC SWAMPMILKWEED 3.5"/18T	E20	4	
6		4	EA	NR0355	ASCLE TUB BUTTERFLYWEED 3.5"/18T		4	
7		3	EA	NR0705	BAPTI AUS BLUEFALSEINDIG3.5"/18T		3	
8		2	EA	NR0555	ASTER NOV ANG NEWENGLAND3.5"/18T	E20	2	
9		6	EA	NR1175	ECHIN PURPUREA 3.5"/18 TRAY	E25	6	
11		2	EA	NR1655	LIATR LIG MEADOWBLAZINGS3.5"/18T		2	
12					N/A TILL LATE MAY '20			
13		1	EA	NR1605	LIATR ASP ROUGHBLAZINGST3.5"/18T	E25	1	
14		6	EA	NR2135	RUDBE FULGIDA 3.5"/18T	E20	6	
15		2	EA	NR2605	TRADE OHI OHIOSPIDER3.5"/18T		2	
16		2	EA	NR2800	ZIZIA AUR GOLDEN ALEX 3.5"/18T		2	
17		2	EA	NR1555	IRIS VER BLUE FLAG IRIS 3.5"/18T	E20	2	
18		2	EA	NR2005	PENST DIG SMOOTH 3.5"/18T		2	
19		1	EA	NR4055	SPORO HET PRAIRIEDROPS3.5"/18T	E25	1	
20						E54		
21					HOUSE	E54		
22		2	EA	NR4055	SPORO HET PRAIRIEDROPS3.5"/18T	E25	2	
23		1	EA	NR0705	BAPTI AUS BLUEFALSEINDIG3.5"/18T		1	
24		1	EA	E2141	PINUS MUGO COLUMNARIS #15/3'		1	
25		1	EA	S2290	RHUS TYP TIGER EYE SUMAC #2 FE1.	S13	1	
26		30	EA	G0080	CALAM ACU KARL FOERSTER #1	E44	30	
27					PLANT 12 @ SUNNY RIDGE	S9		
28					HOWIE	S9		
29		2	EA	T1187.7	BETULA POP WHITESPIRE #25 TF	S9	2	
30					LOW INVENTORY	S9		
31					MAY SUB #15TF	S9		
32						S9		
33						S9		
34		1	EA	55315W	55315 ZIPCODE DELIVERY		1	

SUNNY RIDGE

LEAVE ROOM

YELLOW HIGHLIGHTS ARE FOR LARSON, SUNNY RIDGE

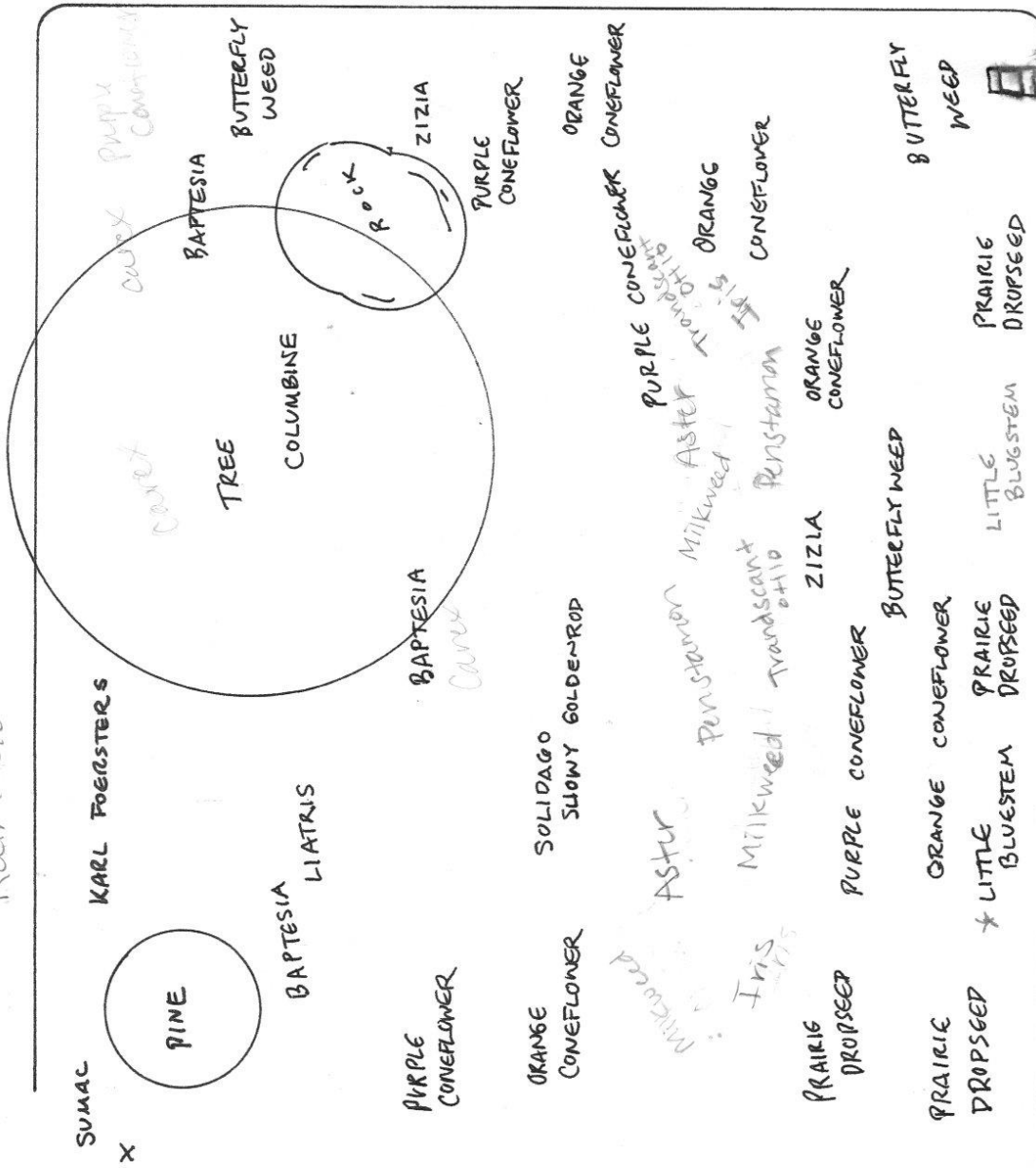
ALL OTHERS GO TO DAVES

Continued...

o 1 Columbine too many
o missing 1 _____?



Rain Garden



Remaining plant materials on page 4 are not yet included in the sketch above.

- Missing
- 18 Liatris 'Meadow'
 - 10 Virginia Bluebell
 - 10 Trillium
 - 1 Lady In Red
 - 18 Marsh Marigold
 - 36 Little Bluestem

Grower expects
product to be
available 6/30/20.
Install will be done
when available

1 flat
went
to Dale

1 flat
was
a
mishap

Pricing for above plant material and labor already included in totals on Invoice.

Total plant materials including state and local tax:	\$2,300.60*
Total non-taxable labor:	<u>\$1,829.52**</u>
Total new landscape improvement (First line on Invoice, pg 6)	\$4,130.12

*Price of all plants = \$2,300.60 / 850 plants = approximately \$2.71 per plant

**Price of installation labor = \$1,829.52 / 850 plants = approximately \$2.15 per plant

Total price of mulch (8 cubic yards) including tax:	\$413.01
Delivery of mulch:	\$100.00
Installation of mulch:	<u>\$400.00</u>
Total New Hardwood mulch as part of initial landscape construction:	\$913.01

Pierson Garden and Landscape
PO BOX 114
Victoria, MN 55368
612-251-9910



INVOICE

BILL TO

Renaee Larson
1033 Sunny Rldge Drive
Carver, MN 55315-9355

INVOICE # 1381

DATE 05/17/2020

DUE DATE 05/25/2020

TERMS Due upon
completion

ACTIVITY	QTY	RATE	AMOUNT
Non-taxable Services:Landscape Improvement Installation Initial landscape construction to improve real property. Native plant materials including installation and bulk delivery	1	4,130.12	4,130.12
Non-taxable Services:Offsite haul away and disposal Offsite haul-away and disposal per trailer, NO ADDITIONAL CHARGE	0	98.00	0.00
Non-taxable Services:Landscape Improvement Installation Initial landscape construction to improve real property. New hardwood mulch including installation and bulk delivery	1	913.01	913.01
Non-taxable Services:Landscape Improvement Installation Initial landscape construction to improve real property. Grading.	1	835.00	835.00
		PAYMENT	587.00
		BALANCE DUE	\$5,291.13

Paid in full.

1033 Sunny Ridge Drive, Carver - Rain Garden

2020 Cost Share

Carver

Cost Share number 2020-CS-2



Project Status | Complete

The Board of Managers approved this project at the June 2020 meeting. This applicant first applied to the Carver County WMO for its Cost Share Program. When it was discovered that the property is in the LMRWD, an application was made to the LMRWD. The application was on the May Board agenda, however, the Board requested additional information. More information was provided to the Board at the June 2020 meeting.

The project was completed in June 2020.

Project Description

This project proposed to install a rain garden in the front yard of 1033 Sunny Ridge Drive. The home sits lower than Sunny Ridge Drive and the angle of the driveway slopes downward to the house from the street. Rainwater runs from the street into the driveway and pools at the northeast side. In 2009, the City installed curb and gutter on Sunny Ridge Drive. The resident had a driveway constructed at that time, but since the house sits lower the road, rainwater still collected at the northeast corner of the drive. To mitigate this a small trench was formed in the turf as a collection point. This project proposes to install a rain garden to collect and intercept this water.

The goals for this project are to provide a 1,500 sq. ft. area for rainwater to drain from the driveway into an infiltration basin. The project proposes to create pollinator habitat by using flowering perennial plants.

Lawn turf was mechanically removed, soil was amended and native plants were introduced. Because this project is in the front yard, it is very visible to the neighbors.



Before



Before



After

Labor Costs (Contractors, Consultants, In-Kind Labor)

Service Provider	Task	# Hours	Rate/Hour	Requested Funds from LMRWD	Matching/In-Kind Funds	Total
Pierson Garden & Landscape (see proposal attached to application)	install raingarden at 1033 Sunny Ridge Drive, Carver, MN			\$ 2,500.00	\$ 3,378.13	\$ 5,878.13
Total:				\$ 2,500.00	\$ 3,378.13	\$ 5,878.13

Project Materials

Material description	Unit Cost	Total # of Units	Requested funds from LMRWD	Matching/In-Kind Funds	Total
Included in total estimate provided by contractor					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
Total:			\$ -	\$ -	\$ -

Total Requested Funds from LMRWD*:	\$ 2,500.00	(A)
Total Matchin/In-Kind Funds:	\$ 3,378.13	(B)
Project Total:	\$ 5,878.13	(C)

*Please note: total requested funds (A) cannot be more than 50% of the Project Total (C) or maximum allowed grant amount.



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, July 15, 2020

Agenda Item

Item 5. A. - 2021 Budget

Prepared By

Linda Loomis, Administrator

Summary

The Board met prior to the meeting to discuss the 2021 budget. Any action the Board wished to take regarding the 2021 Budget should be made by a motion during the Board meeting.

Attachments

2021 Budget as presented to the Board at the work session

Recommended Action

Provide direction to Staff

Proposed Levy 2021

General Fund	250,000.00
Planning and Implementation Fund	475,000.00
One time levy to balance channel fund	<u>-</u>
Apportioned Payable 2020 Levy	725,000.00

<u>County</u>	<u>Net Tax Capacity % Distribution</u>	<u>Apportioned Payable 2021 Levy</u>
Carver	5.9133%	42,871.43
Dakota	10.0634%	72,959.65
Hennepin	43.9025%	318,293.13
Scott	40.1208%	290,875.80
Watershed Total	100.0000%	725,000.00

2021 Budget Explanation of line items

Project funding proposed in the 2021 Budget is taken from Table 4-1 of the LMRWD Watershed Management Plan. Additional projects have been added and will fall under the Water Resources Restoration Fund	
Line #	Cooperative Projects
	<i>Cooperative Projects are those projects that are intended to be completed by the LMRWD with other partners</i>
14	<p>Eden Prairie Bank Stabilization - Area #3</p> <p>The LMRWD applied for an Opportunity Grant from Hennepin to conduct the work necessary to stabilize this area. Money will be used to update the report prepared by Wenck in 2010, conduct site investigations, prepare design of chosen stabilization option and construct the project.</p>
16	<p>Gully Erosion Contingency</p> <p>This line item was established in the LMRWD Budget to address restoration and stabilization of Gullies, inventoried by the LMRWD in 2007. Money was set aside for cities to use for projects. No cities have applied to use these funds since 2013. The LMRWD has built up \$150,000 in this fund. The current re-assessment of the Gully Inventory is being charged to the line.</p>
17	<p>USGS</p> <p>No money is identified for this item. In 2019 floods destroyed the pier that was being used to house equipment that measured the river flow and sediment loads. The Metropolitan Council which owned the pier determined that replacement of the pier was too expensive. Therefore the project with the LMRWD, US Geological Survey and the Corps of Engineers to measure sediment loads has been terminated.</p>
18	<p>Ravine Stabilization at Seminary Fen in Chaska</p> <p>BWSR then denied payment of the second half of the grant that was meant to be used for this project. The LMRWD reimbursed the City of Chaska \$110,400 for the cost of construction of this project. LMRWD has been working with the MN Legislature to allow the LMRWD to use a portion of the money the District receives for dredge management to reimburse the District for the grant that was lost.</p>
19	<p>Riley Creek Cooperative Project with RPBCWD</p> <p>This project is outside the boundaries of the LMRWD. It is a partnership with Riley/Purgatory/Bluff Creek Watershed District and the City of Eden Prairie. The goals of this project are to reduce the amount of sediment contributed to the Minnesota River by Riley Creek. The project will reconnect a reach of Riley Creek with its floodplain in order to reduce the amount of erosion coming from near channel sources of Lower Riley Creek. It is expected that the project will be complete in 2020. The LMRWD committed to contribution \$150,000 toward the cost of the project. The LMRWD has levied for this project in several increments since 2016. \$74565.67 was the final amount needed to fund this project.</p>
20	<p>Seminary Fen Ravine C2</p> <p>The LMRWD Board agreed to participate with the City of Chaska in a feasibility study of this ravine. The project was contained in Table 4.1 but was scheduled for budget year 2024. The City was ready to move ahead with the project now. LMRWD staff is recommending a mid-year budget adjustment to add this item to the 2020 budget year. Funds for this project would come from the Water Resources Restoration Fund (WRRF). Table 4.1 identifies \$100,000 in the 2020 budget year for this fund. The 2020 budget added 2 projects not identified in Table 4.1 (which was the purpose of adding the WRRF): 1) \$35,000 for Study Area #3 and 2) \$35,000 for the TH 101 Ravine Stabilization (to address erosion from the Amazon Fulfillment Center). This leaves \$30,000 from the WRRF that was unused. This additional amount would come from LMRWD fund balance, since the total \$100,000 for the WRRF was not identified in the adopted 2020 budget</p>

2021 Budget Explanation of line items

509 Plan Budget	
21	<p>Gully Inventory</p> <p>In the reassessment of the 2007 Gully Inventory, LMRWD staff noticed that the original study did not inventory gullies in Dakota and Scott Counties on the south side of the Minnesota River. Staff is recommending that the LMRWD adjust the 2020 to re-allocate the \$80,000 identified as a transfer from the General Fund to the 9 foot Channel Fund to this project. Staff is preparing a work plan for the Board to consider for this project. This recommendation is budget neutral.</p>
24	<p>Assumption Creek Hydrology Restoration Project</p> <p>Staff is currently preparing a work plan for this project for the Board to consider, which was included in the 2019 budget.</p>
26	<p>Groundwater Screening Tool Model</p> <p>Staff is currently preparing a work plan for this project for the Board to consider. \$50,000 was included in the 2019 budget and \$50,000 was included in the 2020 budget for this project.</p>
28	<p>Minnesota River Floodplain Model Feasibility Study</p> <p>Staff will prepare a work plan for this project for the Board to consider. This project will review the current Minnesota River Floodplain Model to determine if updates are needed. The original model was developed in 2004. This project was included in the 2019 budget.</p>
38	<p>East Chaska Creek Water Quality Treatment Project</p> <p>\$50,000 was included in the 2019 Budget for this project. Table 4.1 also shows the project in the 2020 Budget for \$25,000. The project was not included in the 2020 budget because the project was to be constructed on vacant land owned by the City of Chaska. The City has sold the land, which was then developed.</p>
41	<p>Local Water Management Plan Reviews</p> <p>The LMRWD has not yet approved the Local Water Management Plans for Savage and Mendota. Several Cities are in the process of updating plans such as Carver. Plans may also need to be updated due to LMRWD rules, which required cities to amend their official controls to conform to the rules.</p>
42	<p>Project Reviews</p> <p>This item includes costs incurred by the LMRWD to review non-LMRWD projects. Many of the cities waited until the LMRWD rules were adopted to begin changes to their official controls. The LMRWD has not issued any Municipal Permits under the rules, so staff has been reviewing all projects. This is the reason that the YTD expenses for this line item are so high.</p> <p>Once the general permits are approved for the cities, the LMRWD will only review projects proposed in unincorporated areas of the LMRWD and by MNDoT. Since the LMRWD cannot charge permit fees to the State, it is unlikely the LMRWD will be able to cover the cost of project reviews through fees for permit review.</p>
47	<p>Watershed Management Plan Amendment</p> <p>\$10,000 has been included in the budget for amending the Plan. Any amendment to the Plan in 2021 would likely be caused by updates to the CIP.</p>
49	<p>Public Education/CAC/Outreach Program</p> <p>The 2020 projected costs the LMRWD will spend on public education include:</p> <ul style="list-style-type: none"> • Master Water Steward Program.....\$2,500.00 • LMRWD website update/maintenance.....\$8,000.00 • 2021 Metro Children's Water Festival.....\$1,650.00 • Rain Garden Workshops.....\$2,250.00 • Freshwater Society "Ice Out/Loon In".....\$800.00 • Support for Minnesota River Congress.....\$300.00

2021 Budget Explanation of line items

	<ul style="list-style-type: none"> • MN River Boat Tour.....\$8,000.00 • Sponsorship of Salt Symposium and Water Summit.....\$1,500.00 • Project with MN River Congress.....\$5,000.00 TOTAL:.....\$30,000.00
Line #	Nine Foot Channel
51	<p>Transfer from General Fund</p> <p>A transfer of \$80,000 from the General Fund to the 9 foot Channel Fund to reduce the amount of deficit in the Channel Fund. The 2019 Audit reported that the Channel Fund no longer has a deficit. Staff is therefore recommending the Board adopt a mid-year budget adjustment to re-allocate this \$80,000 to the Gully Inventory.</p>
Line #	Administrative Budget
67	<p>Manager Per Diem</p> <p>This figure is calculated for 5 Managers, using a per diem of \$125/meeting and 1.5 meetings per month per manager.</p>
73	<p>Dues</p> <p>MAWD dues were included at \$7,500. There has not been any indication that the dues will be increased for 2021.</p>
77	<p>Postage</p> <p>The amount budgeted for postage has been reduced based on actual expenses.</p>
78	<p>Photocopying</p> <p>The amount budgeted for photocopies has been reduced based on actual expenses. The new copier has substantially reduced the need for using outside photocopying services.</p>
80	<p>Subscription and License Fees</p> <p>This line has been added to the budget to reflect the way that Microsoft, Adobe and WebEx offer software. It is now all subscription based.</p>
84	<p>Accounting /Payroll Fees</p> <p>The change to this line item is based on the actual cost identified in the agreement between the LMRWD and Carver County.</p>

2021 Proposed Total Budget
2019 Adopted Budget/Actuals - 2020 Adopted Budget/YTD/Projected - 2021 proposed

	Account	2019 Adopted	2019 Actual	2020 Adopted	2020 YTD	Projected 2020	Proposed 2021
	Revenues:						
	General Property Tax						
1	Carver County	\$ 48,442.33	\$ 49,664.89	\$ 42,833.00	\$ -	\$ 42,833.00	\$ 42,871.43
2	Dakota County	\$ 76,001.75	\$ 74,820.97	\$ 70,735.35	\$ 32,638.72	\$ 70,735.35	\$ 72,959.65
3	Hennepin County	\$ 276,570.10	\$ 274,817.86	\$ 321,491.83	\$ -	\$ 321,491.83	\$ 318,293.13
4	Scott County	\$ 323,985.83	\$ 620,708.63	\$ 289,939.83	\$ 38,454.22	\$ 289,939.83	\$ 290,875.80
	Total Levy:	\$ 725,000.01	\$ 1,020,012.35	\$ 725,000.01	\$ 71,092.94	\$ 725,000.01	\$ 725,000.00
5	Interest Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	MCES WOMP Grant	\$ 5,500.00	\$ 4,500.00	\$ 5,500.00	\$ 5,500.00	\$ 5,500.00	\$ 5,000.00
7	State of MN Grant for Dredge Material Management	\$ 240,000.00	\$ -	\$ 240,000.00	\$ 240,000.00	\$ 240,000.00	\$ 240,000.00
8	Metro-Area Watershed Based funding grants	\$ 182,042.00	\$ 91,021.00	\$ 91,021.00	\$ -	\$ 91,021.00	\$ -
9	License Revenue from placement of dredge	\$ 25,000.00	\$ -	\$ 25,000.00	\$ -	\$ 25,000.00	\$ 25,000.00
10	Revenues from sale of dredge material	\$ 5,000.00	\$ -	\$ 5,000.00	\$ -	\$ 5,000.00	\$ 5,000.00
11	Permit Fees	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00	\$ -
12	Miscellaneous Income	\$ -	\$ 4,585.49	\$ -	\$ -	\$ -	\$ -
	Total Revenues:	\$ 1,182,542.01	\$1,120,118.84	\$1,091,521.01	\$317,592.94	\$ 1,092,521.01	\$ 1,000,000.00
	Expenses:						
13	Administration (from Administrative Budget Page)	\$ 250,000.00	\$ 243,541.53	\$ 250,000.00	\$ 77,667.42	\$ 250,000.00	\$ 250,000.00
	Cooperative Projects						
14	Eden Prairie Bank Stabilization -Area #3	\$ -	\$ 4,026.80	\$ 35,000.00	\$ 5,138.21	\$ 35,000.00	\$ 100,000.00
15	Eagle Creek	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	Gully Erosion Contingency	\$ -	\$ -	\$ -	\$ 28,320.79	\$ 120,000.00	\$ -
17	USGS	\$ 19,700.00	\$ 19,788.00	\$ 19,700.00	\$ 5,045.75	\$ 19,700.00	\$ -
18	Ravine Stabilization at Seminary Fen in Chaska	\$ -	\$ 110,400.00	\$ 55,200.00	\$ -	\$ -	\$ -
19	Riley Creek Cooperative Project with RPBCWD	\$ -	\$ -	\$ 74,565.67	\$ -	\$ 150,000.00	\$ -
20	Seminary Fen Ravine C-2	\$ -	\$ 313.50	\$ 20,000.00	\$ 97.50	\$ 20,000.00	\$ -
	509 Plan Budget						
	Resource Plan Implementation						
21	Gully Inventory	\$ -	\$ -	\$ 80,000.00	\$ -	\$ 80,000.00	\$ -
22	Minnesota River Corridor Management Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000.00
23	TH 101 Ravine/Shakopee	\$ -	\$ 402.97	\$ 35,000.00	\$ -	\$ 350.00	\$ -
24	Assumption Creek Hydrology Restoration Project	\$ 30,000.00	\$ -	\$ -	\$ -	\$ 30,000.00	\$ -
25	Carver Creek restoration Project	\$ 80,000.00	\$ -	\$ 15,000.00	\$ -	\$ -	\$ -
26	Groundwater Screening Tool Model	\$ 50,000.00	\$ -	\$ 50,000.00	\$ -	\$ 50,000.00	\$ -
27	Eagle Creek (East Branch) Project	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
28	Minnesota River Floodplain Model Feasibility Study	\$ 30,000.00	\$ -	\$ -	\$ -	\$ 30,000.00	\$ -
29	Schroeder's Acres Park/Savage Fen Stormwater Management P	\$ 39,555.00	\$ -	\$ 181,055.00	\$ -	\$ 181,055.00	\$ -
30	PLOC Realignment/Wetland Restoration	\$ 71,727.00	\$ -	\$ -	\$ -	\$ -	\$ 70,000.00
31	Spring Creek Project	\$ 45,000.00	\$ 4,543.78	\$ -	\$ -	\$ 45,000.00	\$ 75,000.00
32	West Chaska Creek Project	\$ 50,000.00	\$ -	\$ -	\$ 162.50	\$ 50,000.00	\$ -
33	Sustainable Lakes Management Plan (Trout Lakes)	\$ -	\$ 33,599.90	\$ 50,000.00	\$ 1,223.62	\$ 50,000.00	\$ -
34	Geomorphc Assessments (Trout Streams)	\$ -	\$ 88,771.08	\$ 50,000.00	\$ -	\$ 50,000.00	\$ -
35	Fen Stewardship Program	\$ 25,000.00	\$ 68,183.20	\$ 25,000.00	\$ 68,659.90	\$ -	\$ 25,000.00
36	District Boundary Modification Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37	East Chaska Creek Bank Stabilization Project	\$ 50,000.00	\$ 34,809.45	\$ -	\$ 36,012.40	\$ 50,000.00	\$ -
38	East Chaska Creek Water Quality Treatment Project	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
39	Minnesota River Sediment Reduction Strategy	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
40	Riley Creek Bank Stabilization below CSAH 61	\$ -	\$ 74,724.49	\$ -	\$ -	\$ -	\$ -
41	Local Water Management Plan reviews	\$ 12,000.00	\$ 2,410.70	\$ 8,000.00	\$ 5,024.75	\$ 8,000.00	\$ 15,000.00
42	Project Reviews	\$ 20,000.00	\$ 55,889.43	\$ 20,000.00	\$ 32,867.40	\$ 60,000.00	\$ 50,000.00
43	Monitoring	\$ 65,000.00	\$ 50,030.70	\$ 65,000.00	\$ 4,262.00	\$ 65,000.00	\$ 75,000.00
44	Watershed Management Plan						
45	Next Generation Watershed Management Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46	Plan Clarification and proposed rules/Rule implementation	\$ 25,000.00	\$ 23,622.62	\$ 56,000.00	\$ 22,647.60	\$ 25,000.00	\$ -
47	Plan Amendment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00
48	Vegetation Management Standard/Plan	\$ 50,000.00	\$ 6,456.10	\$ -	\$ -	\$ 50,000.00	\$ -
49	Public Education/Citizen Advisory Committee/Outreach Program	\$ 30,000.00	\$ 4,533.55	\$ 30,000.00	\$ 8,222.05	\$ 30,000.00	\$ 30,000.00
50	Cost Share Program	\$ 20,000.00	\$ -	\$ 20,000.00	\$ -	\$ 20,000.00	\$ 50,000.00
	Nine Foot Channel						
51	Transfer from General Fund	\$ 80,000.00	\$ 80,000.00	\$ -	\$ -	\$ -	\$ -
52	Dredge Site Restoration	\$ 240,000.00	\$ 60,794.39	\$ 315,000.00	\$ 4,624.05	\$ 315,000.00	\$ 240,000.00
53	Total Non-administrative Expenses:	\$ 1,117,982.00	\$ 723,300.66	\$ 1,204,520.67	\$ 222,308.52	\$ 1,534,105.00	\$ 815,000.00
54	Total Administrative Expenses (from line 13)	\$ 250,000.00	\$ 243,541.53	\$ 250,000.00	\$ 77,667.42	\$ 250,000.00	\$ 250,000.00
55	Total Expenses	\$ 1,367,982.00	\$ 966,842.19	\$ 1,454,520.67	\$ 299,975.94	\$ 1,784,105.00	\$ 1,065,000.00
56	Revenue less Expenses	\$ (185,439.99)	\$ 153,276.65	\$ (362,999.66)	\$ 17,617.00	\$ (691,583.99)	\$ (65,000.00)
57	Beginning Fund Balance - January 1		\$ 1,968,596.14	\$ 2,121,872.79	\$ 2,121,872.79		\$ 1,758,873.13
58	Total Revenue		\$ 1,120,118.84	\$ 1,091,521.01	\$ 317,592.94		\$ 1,000,000.00
59	Total Expenses		\$ (966,842.19)	\$ (1,454,520.67)	\$ (299,975.94)		\$ (1,065,000.00)
60	Ending Fund Balance - December 31 (bold figures are projected)		\$ 2,121,872.79	\$ 1,758,873.13	\$ 2,139,489.79		\$ 1,693,873.13

2021 proposed LMRWD Budget for Administration Operations
2019 Adopted Budget/Actuals - 2020 Adopted Budget/YTD/Projected - 2021 Proposed

Account	Adopted 2019	2019 Actual	Adopted 2020	YTD 2020 (Through 5/31/20)	Projected 2020	Proposed 2021
Expenses:						
61 Wages-General	\$ -		\$ -	\$ -	\$ -	\$ -
62 Severance Allowance	\$ -					
63 Benefits	\$ -		\$ -	\$ -	\$ -	\$ -
64 PERA Expense	\$ -		\$ -			
65 Payroll Tax (FICA/Medicare)	\$ -		\$ -	\$ -	\$ -	\$ -
66 Unemployment compensation	\$ -		\$ -			
67 Manager Per Diem	\$ 9,000.00	\$ 3,075.00	\$ 11,250.00	\$ -	\$ 11,250.00	\$ 11,250.00
68 Manager Expense (mileage/food/registrations)	\$ 4,000.00	\$ 1,089.78	\$ 3,000.00	\$ -	\$ 3,000.00	\$ 3,000.00
69 Telecommunications-Cell-Internet/Phone	\$ -	\$ -	\$ 1,000.00	\$ -	\$ 1,000.00	\$ 1,000.00
70 Office Supplies	\$ 300.00	\$ 150.42	\$ 300.00	\$ -	\$ 300.00	\$ 300.00
71 Meeting Supplies/Expense	\$ 100.00	\$ 136.57	\$ 100.00	\$ -	\$ 100.00	\$ 100.00
72 Rent	\$ 8,000.00	\$ 7,800.00	\$ 7,800.00	\$ 3,900.00	\$ 7,800.00	\$ 7,800.00
73 Dues	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00
74 Miscellaneous-General	\$ 3,000.00	\$ 1,585.00	\$ 3,000.00	\$ 627.50	\$ 3,000.00	\$ 3,000.00
75 Training & Education	\$ 1,500.00	\$ 455.56	\$ 1,500.00	\$ -	\$ 1,500.00	\$ 1,500.00
76 Insurance & Bonds	\$ 10,000.00	\$ 9,293.00	\$ 10,000.00	\$ 1,188.00	\$ 10,000.00	\$ 11,000.00
77 Postage	\$ 500.00	\$ -	\$ 500.00	\$ 25.80	\$ 500.00	\$ 375.00
78 Photocopying	\$ 2,000.00	\$ 29.26	\$ 1,000.00	\$ 9.25	\$ 1,000.00	\$ 875.00
79 Legal Notices-General	\$ 1,500.00	\$ 660.80	\$ 1,500.00	\$ 1,867.20	\$ 1,500.00	\$ 1,500.00
80 Subscriptions & License Fees	\$ -	\$ -	\$ -	\$ 222.00	\$ 222.00	\$ 250.00
81 Mileage	\$ 6,000.00	\$ 4,017.57	\$ 5,000.00	\$ 808.01	\$ 4,778.00	\$ 5,000.00
82 Taxable meal reimbursement	\$ 500.00	\$ 233.43	\$ 500.00	\$ 52.86	\$ 500.00	\$ 500.00
83 Lodging/ Staff Travel	\$ 1,500.00	\$ 344.67	\$ 1,500.00	\$ -	\$ 1,500.00	\$ 1,500.00
84 Accounting/Payroll Fees	\$ 5,000.00	\$ 5,034.32	\$ 5,500.00	\$ 2,620.10	\$ 5,500.00	\$ 5,382.00
85 Audit Fees	\$ 14,000.00	\$ 14,110.00	\$ 15,000.00	\$ 190.00	\$ 15,000.00	\$ 15,000.00
86 Professional Services-General	\$ 121,100.00	\$ 131,118.75	\$ 121,050.00	\$ 30,843.75	\$ 121,050.00	\$ 120,168.00
87 Legal Fees-General	\$ 11,000.00	\$ 5,771.50	\$ 10,000.00	\$ 2,535.00	\$ 10,000.00	\$ 10,000.00
88 Engineering-General	\$ 20,000.00	\$ 27,227.73	\$ 20,000.00	\$ 15,580.81	\$ 20,000.00	\$ 20,000.00
89 Equipment-General	\$ -	\$ 1,610.63	\$ -	\$ -	\$ -	
90 Equipment-Maintenance	\$ 500.00	\$ 414.79	\$ 500.00	\$ 187.09	\$ 500.00	\$ 500.00
91 Equipment-Lease	\$ 3,000.00	\$ 1,882.72	\$ 2,500.00	\$ 1,176.70	\$ 2,500.00	\$ 2,500.00
92 Newsletter Expense(Web Articles)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93 Lobbying	\$ 20,000.00	\$ 20,000.03	\$ 20,000.00	\$ 8,333.35	\$ 20,000.00	\$ 20,000.00
94 Total Expense for Administration:	\$ 250,000.00	\$ 243,541.53	\$ 250,000.00	\$ 77,667.42	\$ 250,000.00	\$ 250,000.00



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, July 15, 2020

Agenda Item

Item 5. B. - 2020 Metro Children's Water Festival

Prepared By

Linda Loomis, Administrator

Summary

The LMRWD has supported the Metro Children's Water Festival for many years. The Festival has always been held the last Wednesday in September at the State Fairgrounds. It has been a very popular event and every year there is a waiting list for classes that want to attend. Last year they doubled the number of classrooms that could be accommodated at the Festival by setting up duplicate stations. Stations are set up and manned by the MPCA, DNR, Met Council, NRCS, and more. It targets fourth grade students.

This year because of COVID-19 the in-person Festival has been cancelled. The Metro Conservation Districts, who organize the event have decided to make the Festival virtual this year. In the past, the LMRWD has paid for transportation to the event for schools from the LMRWD. This year the Festival organizers have asked if the LMRWD would consider contributing to the event to help offset costs incurred in developing the virtual event. They plan to have professionally produced events which. A letter requesting sponsorship is attached. The 2020 LMRWD budget include \$1,650 for the Festival.

Attachments

2020 Metro Children's Water Festival Sponsorship Letter

2020 Metro Children's Water Festival Sponsor form

Recommended Action

Motion to authorize sponsorship of Virtual 2020 Metro Children's Water Festival

June 2020

Dear Metro Area Children's Water Festival Partner,

The **Metro Area Children's Water Festival (CWF)** planning committee decided to cancel the 2020 in-person festival due to the COVID-19 pandemic and deliver the 23rd festival via online platforms – providing the ability the opportunity to educate even more 4th graders about our water resources!

We hope that you will join us by being a sponsor for this unusual year. Since 1998, this festival has educated and inspired nearly 30,000 students and over 1,000 teachers. We are proud to continue this education collaboration to celebrate and protect our most precious resource—water.

What is the Children's Water Festival?

Traditionally, the CWF takes place each September at the Minnesota State Fair Grounds and provides engaging, hands-on water education to about 1,800 fourth grade students free of charge. With scores of stations, students learn about many aspects of water: measuring water quality, where the water goes when the toilet gets flushed, how tiny bugs serve as indicators of water quality, the importance of wetlands, and basic water science and much more. The Children's Water Festival strives to not only increase knowledge about our essential water resources, but also to connect youth to water, and inspire them to take action in conserving and protecting water. In 2020, we hope to offer the same engaging presentations in September, but the delivery will be online. Many presenters are interested in delivering their learning station in one or more format: live on the festival day (September 30), video, lesson plan, or other creative delivery method.

Why sponsor the Children's Water Festival

- Help educate metro-area (and beyond) 4th graders on water resources
- Inspire students (and teachers) to increase their water literacy and protect water for the future
- Assist schools in meeting state science standards with fun and engaging content
- Be part of the largest and longest-running water education program in Minnesota
- Be recognized as an entity that supports water and environmental learning. Sponsors will be recognized at the online festival, in the festival booklet, on www.metrocwf.org, and through press releases and promotion. Sponsors will also receive a certificate of sponsorship and can use the CWF logo on their website.

How will funds be used?

Funds are needed to create virtual content and general program expenses, such as the CWF website. We hope to keep the cost to a minimum, but we want to offer a high-quality virtual festival to engage students. Any unused funds will be carried over to the 2021 event.

How to sponsor

Please fill out and return the enclosed sponsor form. Thank you for supporting this event that gives so much to the children of Minnesota and identifies the metro area as a national leader in environmental stewardship.

Thank you for your consideration,

Ann White Eagle

Metro Children's Water Festival

651-266-7271 or ann.whiteeagle@ramseycounty.us

Metropolitan Conservation Districts



2020 METRO CHILDREN'S WATER FESTIVAL SPONSOR FORM

Sponsors will be recognized on the website, in promotional materials and will receive a certificate of sponsorship.

_____ We would like to be a Festival sponsor by funding educational materials, presenters and facility rental: *(Please circle one.)*

\$250

\$500

\$1000

\$2000

Other \$_____

If you have any questions about the Children's Water Festival, or where your contribution may best fit, please call: Ann White Eagle (651-266-7271)

Please make check payable to: Metro Conservation Districts

CONTACT NAME _____ DATE _____

COMPANY _____
(Please print this exactly as you wish it to appear in the program.)

ADDRESS _____
(Street, City or Town, Zip)

PHONE _____

FAX _____

E-MAIL _____

PLEASE RETURN TO:

Ann White Eagle
Ramsey County Parks & Recreation
2015 Van Dyke Street
Maplewood, MN 55109

*"Water Connects Everyone
and Everything on Earth!"*



www.metrocwf.org



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, July 15, 2020

Agenda Item

Item 6. C. - Dredge Management

Prepared By

Linda Loomis, Administrator

Summary

The Corps of Engineers has reported that dredging of the Minnesota River Navigation Channel is scheduled to occur in July. Shoals affecting navigation have been report and if the River stays at normal levels the shoals will need to be removed.

There have been some personnel changes at the Corp and staff is working to notify the appropriate person at the Corp to coordinate the timeline for the project.

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, July 15, 2020

Agenda Item

Item 6. E. - 2020 Legislative Action

Prepared By

Linda Loomis, Administrator

Summary

The Governor is planning to call a special session. We will be lobbying to have the legislation for the re-allocation of the dredge money included in whatever bill may pass.

Attachments

No attachments

Recommended Action

No recommended action



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, July 15, 2020

Agenda Item

Item 6. F. - Education & Outreach

Prepared By

Linda Loomis, Administrator

Summary

At the June Board meeting the Board accepted a proposal from Young Environmental Consulting Group to provide Education and Outreach services for the District. Staff is working to pull together a work plan for Education & Outreach for the District.

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, July 15, 2020

Agenda Item

Item 6. H. - Project Reviews

Prepared By

Linda Loomis, Administrator

Summary

i. Vierling Industrial Project

This is a project in the City of Shakopee located at the intersection of TH 169 and Scott County Highway 69. The City purchased excess right of way from MNDOT in 2015. This project proposes to construct a 130,000 sq. foot building. There is a Master Plan for this area and regional storm water facilities have been constructed to accommodate storm water from the site. Because the City does not have a municipal permit, the LMRWD will issue a permit for this project.

The City did not understand that although the LMRWD granted an extension of time to the cities to amend their official controls to conform to the LMRWD standards that the District would review projects and issue permits in the interim. The City indicated that time was an issue for permitting this project, so staff worked to accommodate the City.

LMRWD staff has reviewed the project and recommends approval subject to conditions listed in the attached Technical Memorandum.

Attachments

Technical Memorandum dated June 30, 2020

Recommended Action

Motion to approve permit for Vierling Industrial Project subject to conditions listed in Technical Memorandum dated June 30, 2020

Technical Memorandum

To: Linda Loomis, Administrator
Lower Minnesota River Watershed District

From: Katy Thompson, PE, CFM
Della Schall Young, CPESC, PMP

Date: June 30, 2020

Re: City of Shakopee/The Opus Group Vierling Industrial Project—Project Review (LMRWD No. 2020-112)

The Vierling Industrial Project (Project) was brought to the attention of the Lower Minnesota River Watershed District (LMRWD or District) on June 25, 2020 by the City of Shakopee (City). The City purchased the right-of-way from the Minnesota Department of Transportation (MnDOT) in 2015 and is in the final contracting stage to sell a portion of this property, now called Shakopee Gateway, to the Opus Group (Opus) for industrial development ([Figure 1](#)). According to City Council and Economic Development Authority meeting minutes available online, Cherne Industries, Inc. has signed a lease with Opus with the intention of moving its headquarters from the city of Edina to the City in early 2021. The Vierling Industrial project that Opus is constructing for Cherne Industries will consist of a 130,000 square foot building to house Cherne Industries and adjacent parking lots, all of which will be treated by existing regional stormwater ponds.

In 2016, the City completed the *West End Master Land Use Study* to provide a regional developmental framework for approximately 30 acres of vacant property at the intersection of Scott County Highway 69 and US Highway 169, called the Shakopee Gateway Development. In 2018, the City hired WSB & Associates (WSB) to design the Vierling Drive Corridor Improvements project (also known as Vierling Dr/Lincoln Street or SAP 166-104-011), which included the reconstruction of Vierling Drive and Lincoln Street and the construction of regional stormwater best management practices (BMPs) for the full future build-out of the Shakopee Gateway Development ([Figure 2](#)).

The City has not received its municipal permit from the District to administer the District’s rules within its jurisdiction. Therefore, an individual project permit from the District is required for this project. The City requested an individual project permit from the District on Friday, June 26, 2020. Below is a summary of Young Environmental Consulting Group’s review, outlining applicable rules and recommendations.

Summary

<u>Project Name:</u>	Vierling Industrial (Shakopee Gateway)
<u>Purpose:</u>	Proposed industrial development consisting of a 130,000 square foot building and parking lots
<u>Project Size:</u>	15.5 acres (including 8.46 acres of disturbance and the construction of 6.12 acres of new impervious surfaces)
<u>Location:</u>	South quadrant of the intersection of Scott County Road 69 and Vierling Drive West, Shakopee, MN (Parcel ID 274730040)
<u>Applicable LMRWD Rules:</u>	Rule B—Erosion and Sediment Control Rule D—Stormwater Management
<u>Recommended Board Action:</u>	Conditional approval, pending signed maintenance agreement

Discussion

The Opus Group is proposing to construct Vierling Industrial, a new corporate headquarters for Cherne Industries, on a parcel currently owned by the City of Shakopee. To date the District has received the documents summarized in **Table 1** below for review.

Table 1. Project Review Documents

Document Title	Date Received	Document Author	Document Date	Revision Date
Preliminary Site Development Plans for OPUS Vierling Industrial	June 26, 2020	Sambatek	March 13, 2020	May 27, 2020

Document Title	Date Received	Document Author	Document Date	Revision Date
Stormwater Management Plan for Vierling & Cherne Industrial	June 26, 2020	Sambatek	May 27, 2020	-
Stormwater Delineation Map for Vierling Drive Connection (S.A.P. 166-104-010)	June 26, 2020	WSB	October 2, 2019	-
Pond 1 Drainage Plan for Vierling Drive Connection (S.A.P. 166-104-011)	June 26, 2020	WSB	April 3, 2018	-
Pond 2 Drainage Plan for Vierling Drive Connection (S.A.P. 166-104-011)	June 26, 2020	WSB	April 3, 2018	-
S-1 and S-2 Design Assumptions from Vierling Drive Stormwater Management Plan (S.A.P. 166-104-011)	June 26, 2020	WSB	No Date	-
Subcatchment Summary Table from Vierling Drive Stormwater Management Plan (S.A.P. 166-104-011)	June 26, 2020	WSB	October 2, 2019	-
LMRWD Individual Project Permit Application	June 26, 2020	City of Shakopee	June 26, 2020	-
Doggie Doo's Spa and Retreat Project Drawings	June 26, 2020	AE2S	October 12, 2018	April 4, 2019
Doggie Doo's Regional Pond Design Assumptions (excerpt from Vierling Drive/Lincoln Street SWMP)	June 26, 2020	WSB	No Date	-
Shak RTC, LLC Northstar	June 26, 2020	Carlson McCain	December 18, 2017	August 24, 2018
DOC102218-10222018103158 (excerpt from Vierling Drive/Lincoln Street SWMP)	June 26, 2020	WSB	No Date	-

Document Title	Date Received	Document Author	Document Date	Revision Date
Vierling Drive/Lincoln Street Hydraulic Report	June 26, 2020	WSB	October 2, 2019	-
Vierling Drive Construction Plans (S.A.P. 166-104-011)	June 26, 2020	WSB	April 3, 2018	-

The regional stormwater infrastructure for the Project was previously constructed in 2018 as part of the Vierling Drive Corridor Improvements project. To determine whether the proposed Vierling Industrial Project complies with the District's rules and conforms to the original stormwater BMP design assumptions, previous projects are also being reviewed. The following are abstracted summaries of the three completed developments ([Figure 2](#)) and the stormwater BMP design accounting ([Figure 3](#)).

2018 Vierling Drive Corridor Improvements

This project is also known as the Vierling Drive/Lincoln Street Corridor Improvements, or Vierling Drive Connection Project, or SAP 166-104-011. It involved improvements to Vierling Drive from CSAH 69 to Boulder Point, including stormwater management for the full build-out of the Shakopee Gateway development, outlined in the *West End Master Land Use Study*. This project constructed three regional BMPs: Infiltration Area 1, Pond 1, and Pond 2. These three BMPs provide water quality treatment, volume control, and rate control for the entire and fully developed Shakopee Gateway Development ([Figure 3](#)).

- Infiltration Area 1 is a dry infiltration basin that provides water quality treatment and volume reduction.
- Pond 1 is a wet stormwater pond with an infiltration bench that provides rate control, water quality treatment, and volume reduction. It is connected to Pond 2 via storm sewer and provides the only discharge point for the site into the existing City storm sewer running along Vierling Drive.
- Pond 2 is a wet stormwater pond with an infiltration bench within the basin that provides rate control, water quality treatment, and volume reduction. Pond 2 is connected to Pond 1 via stormwater connections, and water may flow in either direction, depending on the existing elevations in the two ponds.

The *Vierling Drive/Lincoln Street Hydraulic Report*, developed by WSB for the Vierling Corridor Improvement project, includes the original design drainage areas ([Figure 4](#)) and summary stormwater management plan (SWMP) for the entire Shakopee Gateway

development, as well as HydroCAD modeling output. A review of the provided documents indicates that the original design was based on the maximum impervious area assumed for each subcatchment and each individual BMP. A future project is believed to conform to the original design if the proposed impervious area does not exceed the assumed impervious areas of the subcatchment and the BMP provided in the summary SWMP table (attached).

2018 Northstar Phase 1

This project consisted of the first phase of a multiphase development for Northstar Regional located north of Vierling Drive. The first phase was the mass grading of the entire site and the construction of a commercial building and parking lot with storm sewer connections to Vierling Drive. Stormwater treatment for this development is provided by Pond 1, per the original design developed in the 2018 Vierling Drive Corridor Improvements project.

2019 Doggie Doo's Spa and Retreat

Another commercial building and parking lot was constructed on the north side of Vierling Drive in 2019. This parcel was intended to be treated by Infiltration Area 1; however, the proposed design included more impervious areas than the infiltration basin could treat. According to the City's Water Resource Engineer, the developers were required to install additional private BMPs to treat the excess impervious area, but this could not be validated with the information provided.

Previous Development Summary

A succinct accounting of the regional BMPs' design capacity was not provided; however, from the HydroCAD modeling provided with the 2018 *Vierling Drive/Lincoln Street Hydraulic Report* by WSB, we were able to determine the design capacity of each of the regional BMPs, in terms of acres of impervious area treated. **Table 2** shows the maximum impervious area that each BMP was designed to treat, along with the constructed developments' impervious area and the remaining capacity for additional impervious area treatment.

Table 2. Shakopee Gateway Regional BMP Design Capacity and Accounting Summary

	Infiltration Area 1	Pond 1	Pond 2
Original Design Maximum Impervious Area (ac)	1.579	15.369	4.000
Constructed Impervious Areas:	1.629	3.907	0
<i>Vierling Drive/Lincoln Street Project Constructed Impervious Area (ac)</i>	<i>0.879</i>	<i>3.179</i>	<i>-</i>
<i>Northstar Phase 1 Constructed Impervious Area (ac)</i>	<i>-</i>	<i>0.728</i>	<i>-</i>
<i>Doggie Doo's Spa and Retreat Constructed Impervious Area (ac)</i>	<i>0.750</i>	<i>-</i>	<i>-</i>
Remaining Capacity for Additional Impervious Area (ac)	-0.050	11.462	4.000

Based on our assessment of the information provided, the Infiltration Area 1 BMP has exceeded its impervious area capacity; however, as previously discussed, according to the City, the developer constructed additional water quality BMPs to account for this shortfall, though we were unable to confirm this. The remaining BMPs, Pond 1 and Pond 2, both have capacity to provide treatment for future development.

The proposed Vierling Industrial project is located within the original design subcatchments S-2A and S-2B from the 2018 *Vierling Drive/Lincoln Street Hydraulic Report* and will be treated by Ponds 1 and 2 (**Figures 3 and 4**). A summary of the design, including impervious and proposed impervious areas, is provided below in **Table 3**.

Table 3. Vierling Industrial Proposed Impervious Area and BMP Accounting Summary

	Pond 1	Pond 2
Original Design Subcatchment	S-2A	S-2B
Original Design Impervious Area	2.99 ac	3.50 ac
Available Impervious Area Capacity (from Table 2)	11.462 ac	4.000 ac
Proposed Vierling Industrial Impervious Area	5.56 ac	0.956 ac
Remaining Impervious Area Capacity	5.902 ac	3.044 ac

Though Vierling Industrial will cause Subcatchment S-2A to exceed the original design's impervious area assumption for Pond 1 because of changes in the final site grading for the Vierling Industrial project, Pond 1 has the capacity to treat this additional impervious area. It should be noted, however, that this may limit future development in the Shakopee Gateway area and cause subsequent developments to be required to construct private BMPs onsite because the excess impervious area proposed by Vierling Industrial in Subcatchment S-2A will reduce the remaining capacity for future projects beyond the original design assumption.

LMRWD Rules

Rule B—Erosion and Sediment Control

The District regulates land-disturbing activities that affect one acre or more outside the High Value Resource Area Overlay District under Rule B. The proposed project disturbs a total of 8.46 acres, which includes 6.12 acres of new impervious surfaces within the District boundary. The City has provided the construction documents that include an erosion and sediment control plan and the Stormwater Pollution Prevention Plan for review. The applicant will need to enter into a stormwater maintenance agreement with the District to ensure proper long-term maintenance of the regional stormwater facilities, Ponds 1 and 2.

Rule D—Stormwater Management

The District requires stormwater management for projects that propose to create an acre or more of new impervious surface. The project's proposed 6.12 acres of impervious area will be treated by stormwater basins (Pond 1 and Pond 2) previously

constructed under the Vierling Drive Connection Project in 2018. The ponds were constructed assuming the maximum impervious areas in **Table 2** and with the following design criteria, taken from the 2018 *Vierling Drive/Lincoln Street Hydraulic Report*:

- Retain 1 inch of runoff from the new impervious area for volume control,
- Limit discharge from the overall development to 1/3 cfs per acre, and
- Treat the runoff from a 2.5-inch rainfall event for the overall area to NURP (Nationwide Urban Runoff Program) standards.

Limited information was provided in the 2018 *Vierling Drive/Lincoln Street Hydraulic Report* justifying these assumptions; however, we have proceeded in our review with the assumption that the above is correct as evidenced by the City’s previous acceptance and subsequent permitting of the three development projects. While the City Water Resources Engineer stated that the previous developments have all met the District requirements, the District accepts no ownership or responsibility for any errors or omissions in the original design.

Rate Control

Section 4.4.1 of Rule D requires that applicants demonstrate that there will be no increase in proposed runoff rates when compared to existing conditions. The Vierling Industrial project meets the rate control requirement by limiting runoff to the MnDOT right-of-way and redirecting stormwater to Ponds 1 and 2. The 2018 *Vierling Drive/Lincoln Street Hydraulic Report* provides the rate control calculations for Ponds 1 and 2, while the 2020 *Stormwater Management Plan for Vierling & Cherne Industrial* only provides the rate control for the areas flowing to the MnDOT ditch along County Highway 69. A summary of the provided results appears in **Tables 4** and **5** below.

Table 4. Vierling Industrial Rate Control Summary – To City of Shakopee Vierling Drive Storm Sewer (from 2018 Vierling Drive/Lincoln Street Hydraulic Report)

Design Event	Existing (cfs)	Proposed (cfs)	Difference (cfs)
2-YR 24-HR	9.52	2.77	-6.75
10-YR 24-HR	18.70	4.91	-13.79
100-YR 24-HR	58.13	7.84	-50.29
100-YR 10-DAY (SNOW)	12.93	5.46	-7.47

Table 5. Vierling Industrial Rate Control Summary - To MnDOT Right-of-Way (from 2020 Stormwater Management Plan for Vierling & Cherne Industrial)

Design Event	Existing (cfs)	Proposed (cfs)	Difference (cfs)
2-YR 24-HR	0.28	0.14	-0.14
10-YR 24-HR	1.22	0.64	-0.58
100-YR 24-HR	4.33	2.26	-2.07
100-YR 10-DAY (SNOW)	Not provided	Not provided	n/a

Volume Control

Section 4.4.2 of Rule D requires 1 inch of stormwater runoff volume from the new impervious surface to be retained on site for projects that create an acre or more of impervious surface. The 2018 *Vierling Drive/Lincoln Street Hydraulic Report* is unclear about how the required and provided infiltration volumes were calculated. The SWMP summary table indicates that the original design considered the Minimum Impact Design Standards approach of using 1.1 inches from new impervious surfaces and 0.55 inches from linear surfaces, but the narrative states that the ponds were sized to retain only 1 inch of runoff from the new impervious areas. Although this would be in compliance with the District's rules, in order to have an accurate accounting of the provided stormwater treatment benefits, it should be clarified. This is particularly important because the narrative states that there may be an excess of 0.07 acre-feet of volume reduction following full build-out if the maximum impervious areas in **Table 2** are enforced. The summary of infiltration volume calculations from the 2018 *Vierling Drive/Lincoln Street Hydraulic Report* and HydroCAD modeling and 2020 *Stormwater Management Plan for Vierling & Cherne Industrial* is provided below in **Table 6**.

Table 6. Vierling Industrial Infiltration Volume Accounting Summary

Required Infiltration for Vierling Industrial (1 inch from new impervious surfaces)	Not provided, assumed to be 0.510 acre-feet
Pond 1 Provided Infiltration Volume (HydroCAD)	0.509 ac-ft
Pond 2 Provided Infiltration Volume (HydroCAD)	1.413 ac-ft
Total Provided Infiltration Volume	1.922 ac-ft
Previous Development Infiltration Volume Used	Not provided, assumed to be 0.205 ac-ft
Remaining Infiltration Volume	1.210 ac-ft

Water Quality

Section 4.4.3 of Rule D requires projects that create an acre or more of impervious surface to provide evidence that no net increase in total phosphorus (TP) or total suspended solids (TSS) in the receiving waters will result from the project.

The applicant has not provided information on the water quality standards, except to state that the “City of Shakopee recognizes water quality standards are met when volume control standards have been met. Please see the volume control section for demonstration of that compliance.” From the *2018 Vierling Drive/Lincoln Street Hydraulic Report*, water quality treatment for the overall Shakopee Gateway development is provided by Ponds 1 and 2. The water quality calculations from the *Vierling Drive/Lincoln Street Hydraulic Report* and HydroCAD modeling and the *2020 Stormwater Management Plan for Vierling & Cherne Industrial* are summarized below in **Table 7**.

Table 7. Vierling Industrial Water Quality Accounting Summary

Required Water Quality Volume for Vierling Industrial (2.5-in runoff volume)	Not provided, assumed to be 1.471 ac-ft
Pond 1 Provided NURP Runoff Volume (HydroCAD)	0.786 ac-ft
Pond 2 Provided NURP Runoff Volume (HydroCAD)	1.279 ac-ft
Total Provided Treatment Volume	2.065 ac-feet
Previous Development NURP Volume Used	Not provided, assumed to be 0.733 ac-ft
Remaining NURP Volume	-0.646 ac-ft

Because the basis of the regional Shakopee Gateway BMP design was limited to the amount of impervious surface in aggregate to each pond, it is unclear whether individual projects have been evaluated for their consumption of the provided water quality volumes in Ponds 1 and 2. It is recommended that the City review permit records to confirm that Ponds 1 and 2 continue to have adequate water quality volume for Vierling Industrial and future developments.

Recommendations

The City has stressed that time is of the essence because the property sale was scheduled to close on Monday June 29, 2020, and construction was planned to commence immediately upon the successful close of the property. While we recognize the City’s need to move forward quickly with approvals, the information provided raises questions about the current accounting practices used for the stormwater BMPs for the Shakopee Gateway development. It appears that the proposed Vierling Industrial project conforms to the original design

In an effort to work cooperatively with the City, we recommend conditional approval of the project pending the following:

- An executed maintenance agreement
- Confirmation of the above stormwater accounting or City’s own stormwater accounting documentation for the previous developments that have already occurred in the Shakopee Gateway Development
- Copy of the NPDES permit

Attachments:

Figure 1. Proposed Vierling Industrial Project Location Map

Figure 2. Previous Shakopee Gateway Developments

Figure 3. Shakopee Gateway Regional Stormwater BMPs

Figure 4. Vierling Drive Connection Stormwater Delineation Map, WSB & Associates

Vierling Drive/Lincoln Street Summary Stormwater Master Plan Table, WSB & Associates

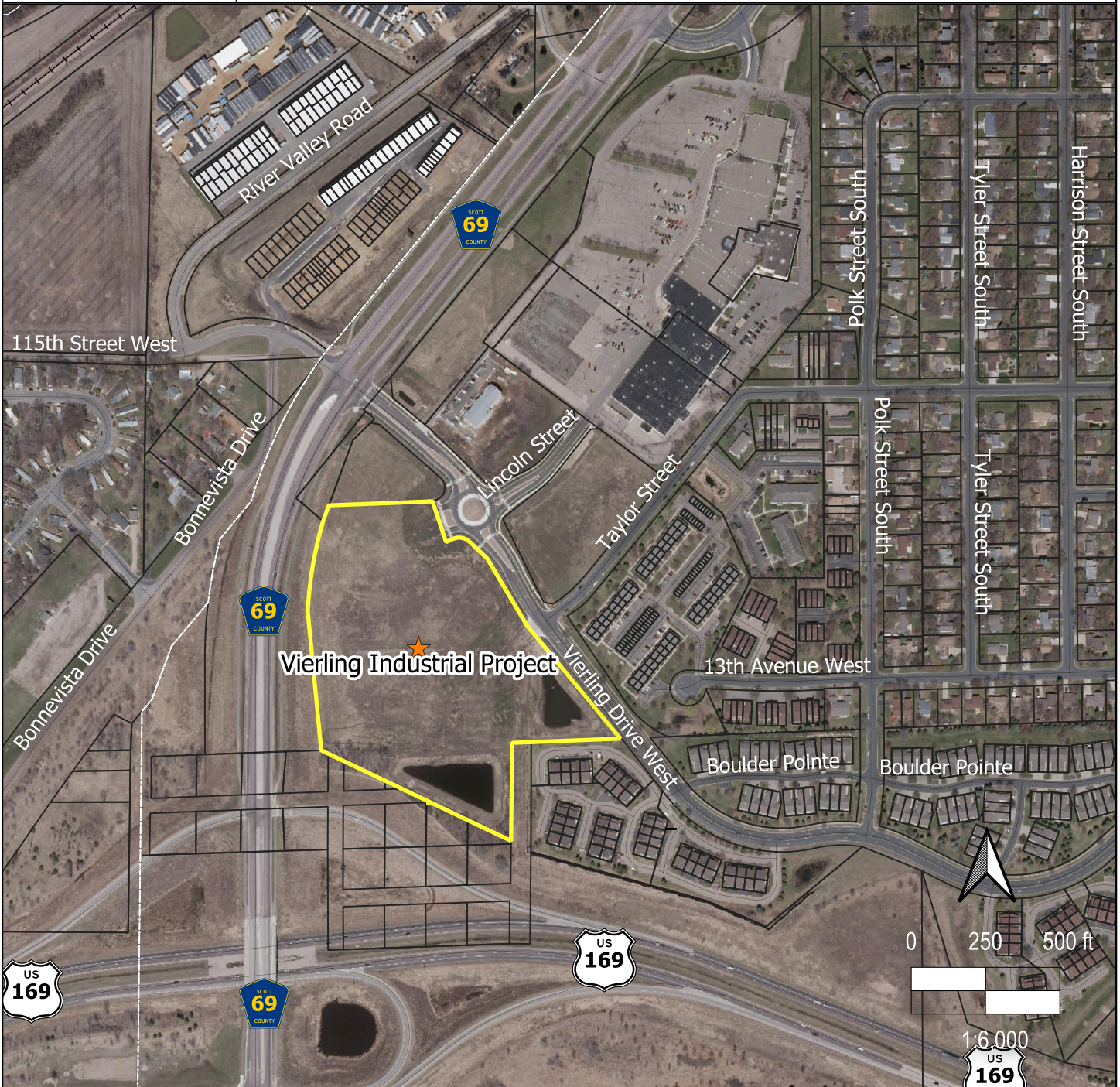
LMRWD Individual Permit Application Summary



LOWER MINNESOTA RIVER
WATERSHED DISTRICT

Figure 1: Vierling Industrial Project Location

28-June-2020



LEGEND

- Project Area
- Site Photo Locations
- Scott County Parcels
- LMRWD Boundary
- Steep Slopes Overlay District
- Scott Co. Floodplain
- 100-year Floodplain
- Floodway
- 500-year Floodplain
- Protected by Levee
- ◆ Calcareous Fens
- HVRA Overlay District
- Streams and Waterbodies





LOWER MINNESOTA RIVER
WATERSHED DISTRICT

Figure 2: Shakopee Gateway Development to Date 28-June-2020



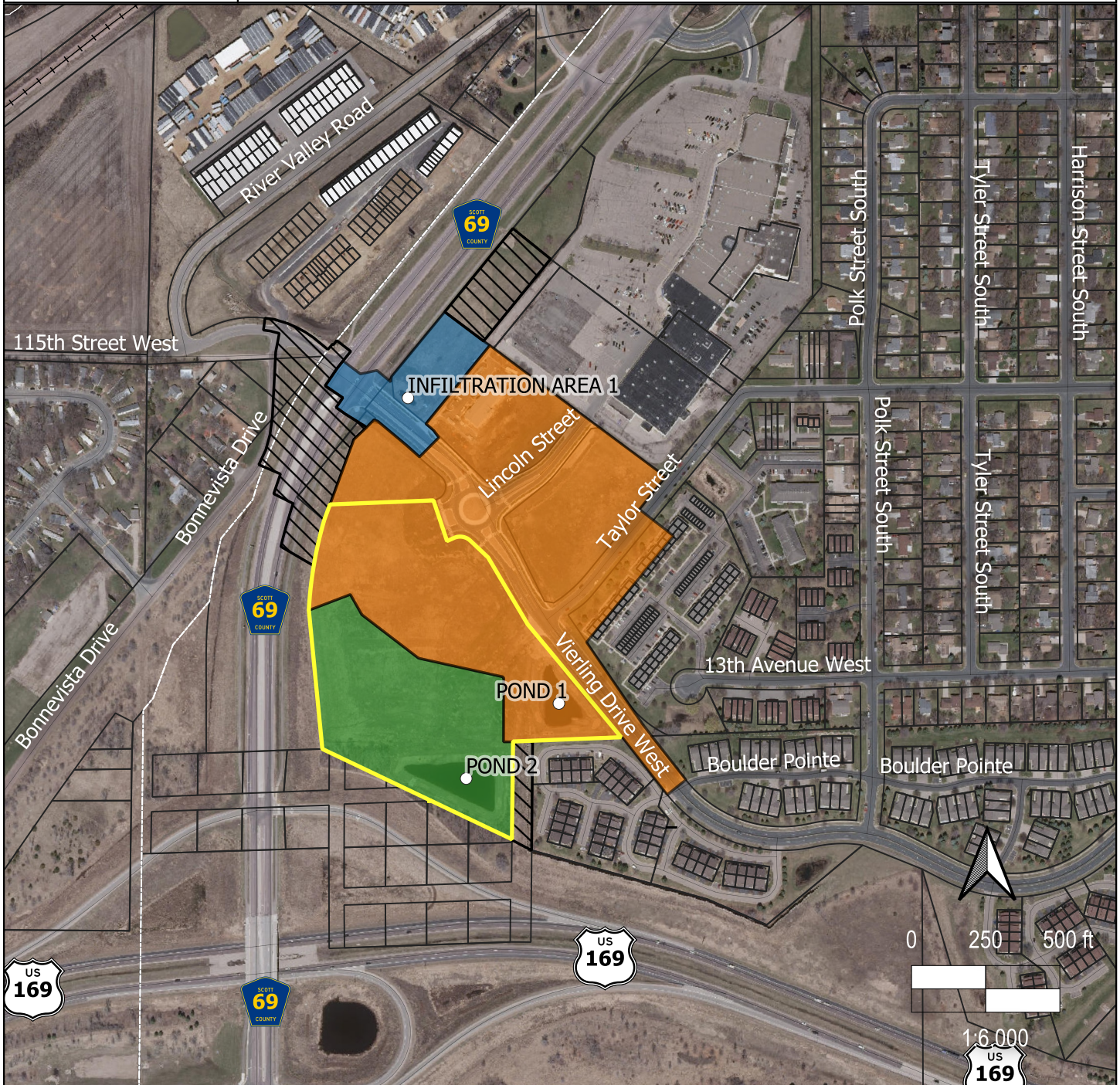
LEGEND

- Vierling Industrial Project
- Regional BMP Locations
- Previous Shakopee Gateway Developments
- Scott County Parcel Data



LOWER MINNESOTA RIVER
WATERSHED DISTRICT

Figure 3: Shakopee Gateway Regional BMPs 28-June-2020

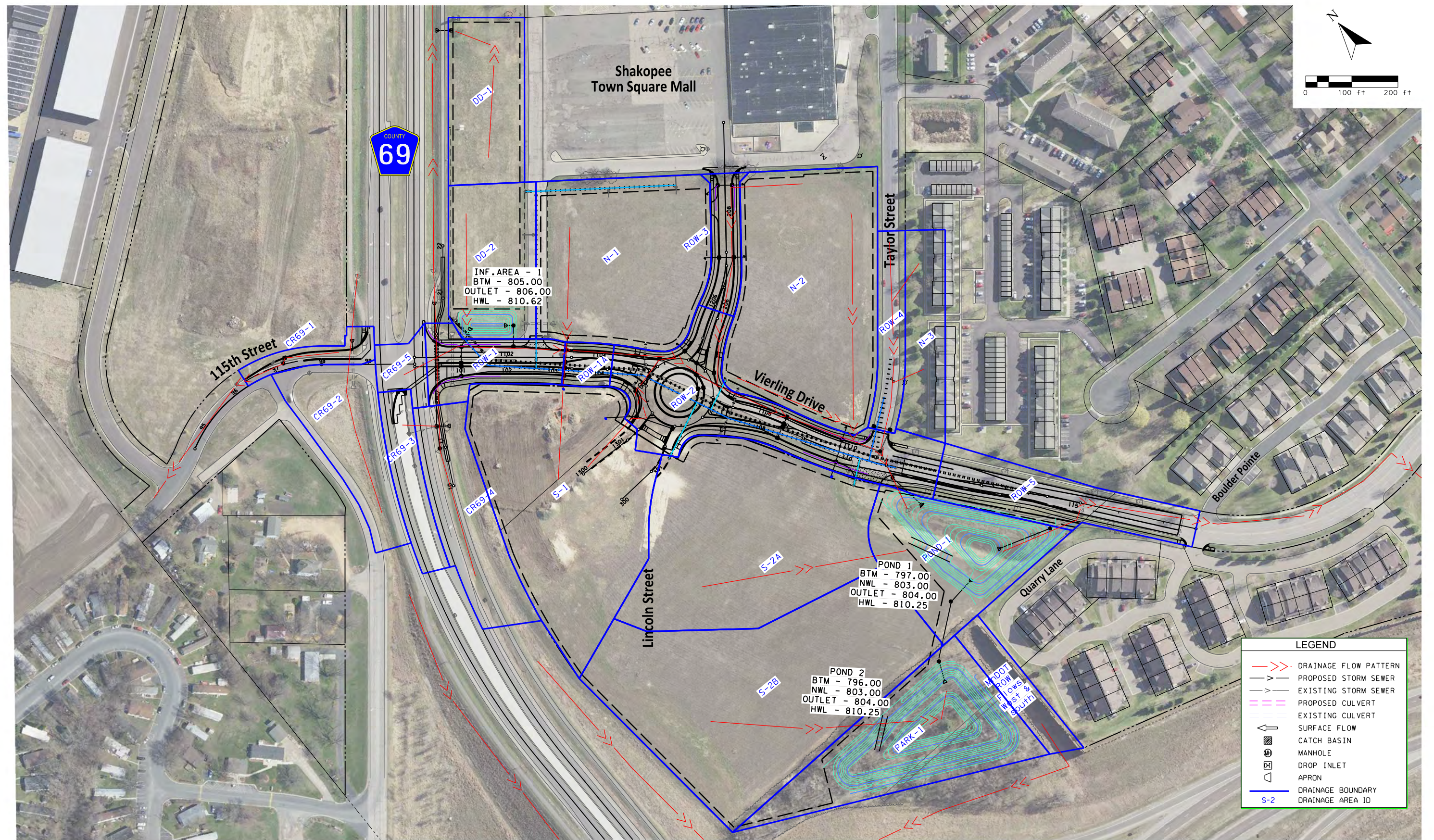


LEGEND

- Vierling Industrial Project
- Regional BMP Locations
- Scott County Parcel Data
- Infiltration Area 1
- Pond 1
- Pond 2
- No Treatment/MnDOT ROW



FIGURE 4 - STORMWATER DELINEATION MAP FROM 2018 VIERLING DR/LINCOLN ST HYDRAULIC REPORT (WSB & ASSOCIATES)



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EXCERPT FROM 2018 VIERLING DR/LINCOLN ST HYDRAULIC REPORT (WSB & ASSOCIATES)

VIERLING DRIVE STORMWATER MANAGEMENT PLAN
CITY OF SHAKOPEE, MINNESOTA
C.P. 2017-10, SAP 166-104-011

WSB # 10413-000

Subcatchment ID	Road-Lane Direction	Road Station Proposed Alignment From To	Impervious Area			Pervious Area		Total Area Acre	Vierling Right of Way & Developable Area Runoff Rate Control- cfs									NPDES Runoff Volume 1.1" Runoff Volume-Imp. Increase Acre-Feet	NPDES Runoff Volume 1.1"-Dev_0.55"Linear Runoff Volume- Total Imp. Area Acre-Feet	NPDES SHAKOPEE Infiltration Volume Acre-Feet	Treatment Pond Volumes below NWL/EOF Acre-Feet	NURP Water Quality Volume 2.5" Rainfall Pro. Cond. Acre-Feet			
			Existing	Proposed	Difference	Proposed	Existing		2-Year Event Discharge Rates			10-Year Event Discharge Rates			100-Year Event Discharge Rates										
			Acre	Acre	Acre	Acre	Acre		Existing	Proposed	Difference	Existing	Proposed	Difference	Existing	Proposed	Difference								
CR69-1 EX S - CR69-1 PRO S	CR 69 & 115th St. Intersection-NW Discharge NE to CR 69 SB Ditch	High Point West CR 69	0.15	0.21	0.07	0.18	0.25	0.40	0.31	0.00	-0.31	0.74	0.00	-0.74	2.04	0.00	-2.04	0.006	0.020			0.013			
CR69-2 EX S - CR69-2 PRO S	CR 69 & 115th Intersection-SW Quad to existing culvert Discharge NE to CR 69 SB Ditch	Ditch High Point South West 115th St	0.47	0.47	0.00	0.81	0.81	1.28	0.17	0.17	0.00	0.86	0.86	0.00	3.72	3.72	0.00	0.000	0.043			0.014			
CR69-3 EX S - CR69-3 PRO S	CR 69 SB-NB-Median to existing storm sewer Discharge to CR 69 NB Ditch	CR 69 Inlets to SW CR 69 inlets at 115th Int.	0.98	0.98	0.00	0.00	0.00	0.98	1.87	1.87	0.00	2.73	2.73	0.00	4.84	4.84	0.00	0.000	0.090			0.114			
CR69-4 EX S - CR69-4 PRO S	CR 69 NB & Ditch RT to storm sewer Inlet Discharge to CR 69 NB Ditch	CR 69 NB at Ditch High Point CR 69 Ditch culvert inlet.	0.466	0.465	-0.001	0.930	0.929	1.395	0.110	0.120	0.010	0.680	0.770	0.090	3.290	3.720	0.430	0.000	0.043			0.011			
CR69-5 EX S - CR69-5 PRO S	CR 69 SB-NB Int. Pavement to storm sewer Inlet Discharge to Vierling Storm & Pond 1	CR 69 NB Int SW Pavement CR 69 NB Int NW Pavement	0.307	0.307	0.000	0.000	0.000	0.307	1.120	1.120	0.000	1.640	1.640	0.000	2.900	2.900	0.000	0.000	0.028			0.058			
CR 69 Area Total			2.37	2.44	0.07	1.92	1.99	4.36	3.58	3.28	-0.30	6.65	6.00	-0.65	16.79	15.18	-1.61	0.006	0.223	0.000	0.000	0.210			
CR 69 Project Area Summary			Project Area Totals			2.37	2.44	0.07	1.92	1.99	4.36	3.58	3.28	-0.30	6.65	6.00	-0.65	16.79	15.18	-1.61	0.006	0.223	0.000	0.000	0.210
DD-1 EX S _ DD-1 PRO S	Northern Area of Doggie Doos Site Discharge to north - Proposed CR 69 Ditch	North of Building North Property Boundary	0.000	0.000	0.000	1.366	1.366	1.366	0.020	0.020	0.000	0.230	0.230	0.000	1.950	1.950	0.000	0.000	0.000			0.02			
DD-2 EX S _ DD-2 PRO S	Southern Area of Doggie Doos Site-Building-Parking Discharge to East to Pond 1	South Property Boundary North of Building	0.144	0.700	0.556	0.750	1.306	1.450	0.070	2.070	2.000	0.510	4.020	3.510	2.780	9.240	6.460	0.051	0.064	INF 1 0.101			0.84		
DD-1 & 2 Doggie Doos Area Total			0.14	0.70	0.56	2.12	2.67	2.82	0.09	2.09	2.00	0.74	4.25	3.51	4.73	11.19	6.46	0.051	0.064	0.101	0.000	0.000	0.860		
N-1 EX S _ N-1 PRO S	North Parcel - Rehab Center Discharge to East to Pond 1	Parcel Boundaries Parcel Boundaries	0.180	2.124	1.944	0.910	2.854	3.034	0.080	5.630	5.550	0.830	9.520	8.690	5.220	19.210	13.990	0.178	0.195			0.331			
N-1 Area Rehab Parcel Area Total			0.18	2.12	1.94	0.91	2.85	3.03	0.08	5.63	5.55	0.83	9.52	8.69	5.22	19.21	13.99	0.178	0.195	0.000	0.000	0.331			
N-2 EX S _ N-2 PRO S	North Parcel - NW Quad of Taylor & Vierling Business Park Discharge to East to Pond 1	Parcel Boundaries Parcel Boundaries	0.000	3.000	3.000	0.743	3.743	3.743	0.050	7.260	7.210	0.640	12.090	11.450	5.340	24.030	18.690	0.275	0.275			0.431			
N-2 Developable Parcel Business Park Area Total			0.00	3.00	3.00	0.74	3.74	3.74	0.05	7.26	7.21	0.64	12.09	11.45	5.34	24.03	18.69	0.275	0.275	0.000	0.000	0.431			
N-3 EX S _ N-3 PRO S	North Parcel - NE Quad of Vierling Dr. & Talyor Exist. Townhome Parcels Discharge to East to Pond 1	Parcel Boundaries Parcel Boundaries	0.424	0.424	0.000	0.493	0.493	0.917	1.240	1.240	0.000	2.440	2.440	0.000	5.730	5.730	0.000	0.000	0.039			0.06			
N-3 Existing Townhomes Parcel East of Taylor Area Total			0.42	0.42	0.00	0.49	0.49	0.92	1.24	1.24	0.00	2.44	2.44	0.00	5.73	5.73	0.00	0.000	0.039	0.000	0.000	0.060			
S-1 EX S _ S-1 PRO S	South Parcel - SE Quad of CR 69 & Vierling Business Park Discharge to East to Pond 1	Parcel Boundaries Parcel Boundaries	0.000	2.789	2.789	1.195	3.984	3.984	0.050	7.390	7.340	0.680	12.500	11.820	5.680	25.220	19.540	0.256	0.256			0.435			
S-1 Developable Parcel Business Park Area Total			0.00	2.79	2.79	1.20	3.98	3.98	0.05	7.39	7.34	0.68	12.50	11.82	5.68	25.22	19.54	0.256	0.256	0.000	0.000	0.435			
S-2 EX S _ S-2 PRO S	South Parcel - SE Quad of Vierling Drive RAB Multi Family Parcel Discharge to East to Pond 1	Parcel Boundaries Parcel Boundaries	0.000	6.359	6.359	2.725	9.084	9.084	0.110	13.860	13.750	1.560	25.070	23.510	12.950	53.950	41.000	0.583	0.583			0.799			
S-2 Developable Parcel Multi Family Area Total			0.00	6.36	6.36	2.73	9.08	9.08	0.11	13.86	13.75	1.56	25.07	23.51	12.95	53.95	41.00	0.583	0.583	0.000	0.000	0.799			
Private Property Parcels Project Area Summary			Project Area Totals			0.75	15.40	14.65	8.18	22.83	23.58	1.62	0.00	-1.62	6.89	0.00	-6.89	39.65	0.00	-39.65	1.343	1.41	0.101	0.00	2.92
ROW-1 EX S _ ROW-1 PRO S	Vierling Drive Right of Way Discharge to East to Pond 1	100+20 103+20	0.568	0.572	0.004	0.234	0.238	0.806	2.070	2.070	0.000	3.470	3.470	0.000	6.950	6.950	0.000	0.000	0.026			0.088			
ROW-1A EX S _ ROW-1A PRO S	Mall Entrance Right of Way Discharge to Southeast to Pond 1	103+20 104+35	0.093	0.127	0.034	0.100	0.134	0.227	0.330	0.460	0.130	0.670	0.840	0.170	1.610	1.810	0.200	0.003	0.006			0.019			

VIERLING DRIVE STORMWATER MANAGEMENT PLAN
 CITY OF SHAKOPEE, MINNESOTA
 C.P. 2017-10, SAP 166-104-011

WSB # 10413-000

Subcatchment ID	Road-Lane Direction	Road Station		Impervious Area			Pervious Area		Total Area	Vierling Right of Way & Developable Area Runoff Rate Control- cfs									NPDES Runoff Volume	NPDES Runoff Volume	NPDES SHAKOPEE	Treatment Pond Volumes	NURP Water Quality Volume						
				Proposed Alignment	Existing	Proposed	Difference	Proposed		Existing	2-Year Event Discharge Rates			10-Year Event Discharge Rates			100-Year Event Discharge Rates							1.1" Runoff Volume-Imp. Increase	1.1"-Dev_0.55"Linear Runoff Volume- Total Imp. Area	Infiltration Volume	below NWL/EOF	2.5" Rainfall Pro. Cond.	
											From	To	Acre	Acre	Acre	Acre	Acre	Acre											Existing
ROW-2 EX S _ ROW-2 PRO S	Vierling Drive Right of Way - RAB Discharge to East to Pond 1	104+35	111+95	0.765	1.532	0.767	0.796	1.563	2.328	1.910	4.560	2.650	4.280	7.950	3.670	11.190	16.520	5.330	0.070	0.070					0.229				
ROW-3 EX S _ ROW-3 PRO S	Mall Entrance Right of Way Discharge to Southeast to Pond 1	205+80	209+00	0.000	0.346	0.346	0.132	0.478	0.478	0.010	1.070	1.060	0.110	1.780	1.670	1.010	3.540	2.530	0.032	0.016					0.055				
ROW-4 EX S _ ROW-4 PRO S	Existing Taylor St. Right of Way Discharge to Southeast to Pond 1	Vierling Int.	Road High Point	0.366	0.366	0.000	0.233	0.233	0.599	1.120	1.120	0.000	1.980	1.980	0.000	4.180	4.180	0.000	0.000	0.017					0.056				
ROW-5 EX S _ ROW-5 PRO S	Vierling Drive Right of Way Discharge to east to Existing Pond	111+95	117+71	0.846	0.808	-0.038	0.489	0.451	1.297	2.540	2.420	-0.120	4.430	4.290	-0.140	9.200	9.060	-0.140	-0.003	0.037					0.121				
ROW Area Total	City of Shakopee Right of Way	Subtotal		2.64	3.75	1.11	1.98	3.10	5.74	7.98	0.00	-7.98	14.94	0.00	-14.94	34.14	0.00	-34.14	0.102	0.172	0.000	0.000	0.000	0.000	0.568				
POND 1 - EX S _ POND 1 - PRO S	Pond 1 west of Vierling Drive Discharge to east to Existing Pond	Future Park Ent.	So & East Property Boundary	0.329	0.862	0.533	0.969	1.502	1.831	0.240	3.530	Pond 1 Discharge	3.290	1.240	5.850	Pond 1 Discharge	4.610	5.340	9.010	Pond 1 Discharge	3.670	0.049	0.079	POND 1	1.647	3.729	0.081		
PARK 1 - EX S _ PARK 1 - PRO S	Park Runoff to Pond 2 if feasible Discharge to east to Pond 2	South Prop Bdny	SouthProperty	0.000	0.244	0.244	2.191	2.435	2.435	0.000	0.030	0.030	0.110	0.450	0.340	2.350	3.860	1.510	0.022	0.022					0.003				
Pond 1 - Park Area Total	Pond 1 - Park Property	Subtotal		0.33	1.11	0.78	3.16	3.94	4.27	0.24	3.56	3.32	1.35	6.30	4.95	7.69	12.87	5.18	0.071	0.101	1.647	3.729	0.084						
City of Shakopee ROW-Pond-Park Project Area Summary				Project Area Totals			2.97	4.86	1.89	5.14	7.03	10.00	8.22	3.56	-4.66	16.29	6.30	-9.99	41.83	12.87	-28.96	0.173	0.27	1.647	3.73	0.65			
Project Totals				6.09	22.69	16.60	15.25	31.85	37.93	13.42	6.84	-6.58	29.83	12.30	-17.53	98.27	28.05	-70.22	1.52	1.68	1.75	3.73	3.57						

Pond 1 Discharge rate meets the 1/3cfs per acre standard in the City SWMP.

MPCA Infiltration Volume Requirements are being met by Pond 1 and Inf. Area 1, and the NURP treatment volume is provided by Pond 1.



LOWER MINNESOTA RIVER WATERSHED DISTRICT PROJECT REVIEW

Project ID	2020_0112	Authorization Agent	Kirby Templin
Project Name	Vierling Industrial Project	Email Address	ktemplin@shakopeemn.gov
Organization	City of Shakopee	Phone Number	(952) 233-9372
Notes	6/25/20 - Notified of project by City 6/26/20 - Received project documents		

Project Summary

Anticipated start date	6/30/2020	Date received	6/26/2020
Project location	2300 Vierling Drive, Shakopee	Project map included?	<input checked="" type="checkbox"/>
Project acres	15.85	Is the project in an unincorporated area?	<input type="checkbox"/>
Total disturbed acres	8.46	Is it located in a High Value Resource Area	<input type="checkbox"/>
New impervious acres	6.12	Is it located in a Steep Slope Overlay District	<input type="checkbox"/>
Local Partners	City of Shakopee	Other Sensitive Area	n/a

Project Description

Proposed 130,000 sq ft industrial development for the future Cherne Industries headquarters, built by Opus. Site is currently undeveloped and part of the City's West End Master Plan. The proposed development will include the Cherne building and stormwater ponds that will provide treatment for the Cherne building, as well as future development from the West End Master Plan. The ponds will treat 6.12 acres of new impervious from this project, but have been sized to treat a maximum of 9.1 acres of impervious area.

Additional Notes

City of Shakopee discussed this project with LMRWD on 6/26/20 - sale of property scheduled for 6/29/20, City was unaware it needed an individual project permit from District. In discussion with City on 6/26/20, WR engineer said that the project met the original design conditions & previous projects had been approved that conformed to WSB SWMP table. See review memo for more detail.

Review Status

Is this a preliminary review?	<input type="checkbox"/>
Is this a permit review?	<input checked="" type="checkbox"/>
Does this project require a technical review?	<input checked="" type="checkbox"/>

Project Status

Project is pending	<input type="checkbox"/>
Project is active	<input checked="" type="checkbox"/>
Project has been archived	<input type="checkbox"/>

Erosion and Sediment Control

This project triggers one or more thresholds for this rule.

<u>Triggers</u>		<u>Criteria</u>	
Disturbs one acre plus	<input checked="" type="checkbox"/>	Erosion and Sediment Control Plan	<input checked="" type="checkbox"/>
Located within the HVRA Overlay District	<input type="checkbox"/>	Inspection and maintenance addressed	<input checked="" type="checkbox"/>
Meets the HVRA threshold	<input type="checkbox"/>	NPDES/SDS General Construction Permit documentation	<input type="checkbox"/>

The documentation requirements for this rule have not been met. A review cannot be completed until all required documentation has been submitted.

Additional Notes

6/26/20 - Rcvd project SWMP, construction plans, SWPPP, and erosion control plan - need copy of NPDES permit and maintenance agreement

Floodplain Drainage Alteration

This rule does not apply.

<u>Triggers</u>			
Changes in water surface elevation of floodplain	<input type="checkbox"/>	Calculations by a professional engineer demonstrating no decrease to conveyance	<input type="checkbox"/>
<i>If yes,</i> Compensatory storage equal or greater than volume of fill	<input type="checkbox"/>	Conveyance capacity decrease below 100yr high water elevation	<input type="checkbox"/>
<i>If no,</i> No-rise certification by a professional engineer	<input type="checkbox"/>	Temporary placement of fill	<input type="checkbox"/>
<u>Criteria</u>		Adverse impacts to water quality, habitat, or fisheries	<input type="checkbox"/>
Net decrease of storage capacity OR increase in 100yr elevation	<input type="checkbox"/>	New structures have 2ft+ between lowest enclosed area's floor and 100yr high water elevation	<input type="checkbox"/>
Will floodplain storage be created	<input type="checkbox"/>		

Additional Notes

Stormwater Management

This project triggers one or more thresholds for this rule.

Type of project Development

Triggers

One acre or more of impervious surface

HVRA Overlay District

Located within the HVRA Overlay District

If yes, Meets the HVRA threshold

Criteria

Post-construction runoff rates exceed existing rates for 1, 2, 10, and 100yr 24-hour events?

New Development: the post-construction runoff volume retained onsite equal 1.1 inches of runoff from impervious surfaces

Redevelopment: the project will capture and retain onsite 1.1 inches from new/fully reconstructed impervious surface

Linear: the site will capture and retain (a) 0.55 inches of runoff from new/fully reconstructed impervious, or (b) 1.1 inches of runoff from the net increase in impervious area

Are trout streams protected

Rate control exceeded for 1, 2, 10, and 100yr 24-hour event

Projects with 1+ acres of new impervious: are MPCA's Construction General Permit

Net increase of TP

Net increase of TSS

Is maintenance adequately addressed

Project will result in a net decrease of TP and TSS

Volume control requirements sufficiently addressed

The documentation requirements for this rule have not been met. A review cannot be completed until all required documentation has been submitted.

Alternative Infiltration Measures

6/26/20 - Proposed project is utilizing existing regional stormwater infrastructure to meet the individual stormwater requirements for rate control, water quality, and volume control.

Additional Notes

6/29/20 - Project will require an executed maintenance agreement with the District and verification of the BMP accounting summary provided in the 6/30/20 project review memo

Steep Slopes

This rule does not apply.

Triggers

Is the project in the Steep Slopes Overlay District

Excavation of 50 cubic yards+ of earth

Displacement of 5,000 sq. ft+ of earth

Vegetation removal or displacement

Activities that require LGU permits

Criteria

Has the project been certified by a professional engineer

Adverse impact to waterbodies

Unstable slope conditions

Degradation of water quality

Preservation of existing hydrology

New discharge points along slope

Additional Notes



LOWER MINNESOTA RIVER
WATERSHED DISTRICT

LMRWD Individual Permit Application

City of Shakopee

Organization Contact Info

NA (Kirby - Per LMRWD) Templin

485 Gorman Street, Shakopee, MN, 55379

ktemplin@shakopeemn.gov

+19522339372

Authorization Agent Contact Info

NA (Kirby - Per LMRWD) Templin

485 Gorman Street, Shakopee, MN, 55379

ktemplin@shakopeemn.gov

+19522339372

General Project Info

Name of Proposed Project

Vierling Industrial

Project Area Details

Proposed Project Location

2300 Vierling Drive, Shakopee, MN, 55379

Type of development

Commercial

Total Project Area (acres)

15.85

Anticipated Start Date

29-Jun-2020

Total Disturbed Area (acres)

8.46

Existing Land Use

Agriculture

Existing Impervious Area (acres)

0.00

Proposed Land Use

Commercial

Proposed New Impervious Area (acres)

6.12

Is the project in an unincorporated area?

No

Is this project in the MnDOT right-of-way?

No

Is the project located in a High Value Resource Area?

No

Is the project located in a Steep Slope Overlay District?

No

Is the project located in a floodplain

No

Project Description

Commercial Development

Rules

Fees

Rule Applicability (check all that apply)

Permit Fee Amount

Erosion and Sediment Control
Stormwater Management

\$ 0.00

Exhibits

Exhibit title

Signature

Full name of property owner or designated agent

NA

Lower Minnesota River Watershed District

INDIVIDUAL PERMIT APPLICATION RECEIVED

Date: 2020-06-26 Time: 14:31

Permit #: 2020-112